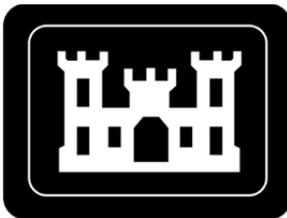

FINAL

**FUSRAP FIVE-YEAR REVIEW
REPORT FOR OPERABLE UNIT 1
(OU-1) AND OPERABLE UNIT 8 (OU-8)
IOWA ARMY AMMUNITION PLANT**

MIDDLETOWN, IOWA

MARCH 25, 2019



**U.S. Army Corps of Engineers
St. Louis District Office
Formerly Utilized Sites Remedial Action Program**

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prepared by

U.S. Army Corps of Engineers, St. Louis District Office
Formerly Utilized Sites Remedial Action Program

with assistance from

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- Appendix H Iowa Army Ammunition Plant Operable Units

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- *CD-ROM Appendices A, B, C, D, E, and G

ACRONYMS AND ABBREVIATIONS

2003 OU-1 ROD ESD	<i>Explanation of Significant Differences for the Final Record of Decision (ROD) for the Soils Operable Unit (OU-1), Iowa Army Ammunition Plant (IAAP), Middletown, Iowa</i>
2006 OU-1 IROD ESD	<i>Explanation of Significant Differences Deletion of Radiological Contaminants from the Interim Record of Decision (IROD) Soils Operable Unit (OU-1) for Iowa Army Ammunition Plant, Middletown, IA</i>
2008 OU-1 IROD ESD	<i>Explanation of Significant Differences for the Interim Action Record of Decision (IROD) Soils Operable Unit (OU-1) Addition of Environmental Protectiveness to the Remedy and Transfer of Sites from OU-4 to OU-1 for Iowa Army Ammunition Plant, Middletown, IA</i>
2009 OU-1 ROD ESD	<i>Explanation of Significant Differences for the Final Record of Decision (ROD) Soils Operable Unit 1 (OU-1) Change of Primary Treatment Technology From Biological to Alkaline Hydrolysis Chemical Treatment for Iowa Army Ammunition Plant, Middletown, Iowa</i>
2011 Exposure Factors Handbook	<i>Exposure Factors Handbook: 2011 Edition</i>
2011 OU-1 ROD ESD	<i>Explanation of Significant Differences for the Final Record of Decision (ROD) Soils Operable Unit (OU-1) Addition of Soil Volume, Site-Specific Remedial Goal for Barium, and Offsite Disposal of Contaminated Soil for Iowa Army Ammunition Plant, Middletown, Iowa</i>
2018 OU-1 ROD ESD	<i>Explanation of Significant Differences for the Records of Decision Soils Operable Unit (OU-1) Addition of Land Use Controls, Off-site Disposal of Contaminated Soil, and the Fire Training Pit for Iowa Army Ammunition Plant, Middletown, Iowa</i>
Ac	actinium
ACM	Asbestos Containing Material
AEC	U.S. Atomic Energy Commission
ALM	Adult Lead Methodology
AMEC	AMEC Environment & Infrastructure
amsl	above mean sea level
ANL	Argonne National Laboratory
AO	American Ordnance, LLC
ARAR	applicable or relevant and appropriate requirement
At	astatine
ATSDR	Agency for Toxic Substances and Disease Registry
AUF	area use factor
BAF	bioaccumulation factor
BERA	<i>Baseline Ecological Risk Assessment (BERA), Iowa Army Ammunition Plant, Middletown, Iowa</i>
bgs	below ground surface
Bi	Bismuth
BRA	baseline risk assessment
CalEPA	California Environmental Protection Agency
CAMU	Corrective Action Management Unit
CAS	Chemical Abstracts Service

ACRONYMS AND ABBREVIATIONS (Continued)

CC	critical concentration
CEA	Cap Extension Area
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
<i>CFR</i>	<i>Code of Federal Regulations</i>
COC	contaminant of concern
COPC	contaminant of potential concern
CSF	cancer slope factor
CSFo	oral cancer slope factor
CY	calendar year
DCF	dose conversion factor
DCGL	derived concentration guideline level
DEF	excavation areas D, E, and F
DL	detection limit
DNB	Dinitrobenzene
DNT	dinitrotoluene
DOD	U.S. Department of Defense
DOE	U.S. Department of Energy
DSR	dose-to-source ratio
DU	depleted uranium
Eco CC	ecological critical concentration
ECR	excess cancer risk
EDA	Explosive Disposal Area
EDE	effective dose equivalent
EMDAR	Environmental Monitoring and Data Analysis Report
EPC	exposure point concentration
EQ	Environmental Quality Company
ESD	explanation of significant differences
EU	exposure unit
FFA	Federal Facility Agreement
FGR-11	<i>Federal Guidance Report Number 11</i>
FGR-12	<i>Federal Guidance Report Number 12</i>
FGR-13	<i>Federal Guidance Report Number 13</i>
Fr	francium
FS	firing site
FSA	Firing Sites Area
FSS	final status survey
FUSRAP	Formerly Utilized Sites Remedial Action Program
FUSRAP FS	<i>FUSRAP Feasibility Study Report for the Iowa Army Ammunition Plant</i>
FUSRAP	<i>Remedial Design/Remedial Action Work Plan, Iowa Army Ammunition Plant,</i>
OU-8	<i>Operable Unit 8, Depleted Uranium Contaminated Soil and Structure</i>
RD/RAWP	<i>Remediation</i>
FUSRAP	<i>Iowa Army Ammunition Plant Line 1 and West Burn Pads Area South of the Road</i>
RD/RAWD	<i>FUSRAP Remedial Design/Remedial Action Work Description</i>
FUSRAP	<i>Iowa Army Ammunition Plant Line 1 And West Burn Pads Area South of the Road,</i>
RD/RAWD	<i>FUSRAP Remedial Design/Remedial Action Work Description Line 1 Waste Line</i>
Addendum	<i>Addendum</i>

ACRONYMS AND ABBREVIATIONS (Continued)

FUSRAP RI	<i>Iowa Army Ammunition Plant FUSRAP Remedial Investigation Report for Firing Sites Area, Yards C, E, F, G, and L, Warehouse 3-01 and Area West of Line 5B</i>
FUSRAP RI WP	<i>Remedial Investigation Work Plan for Line 1, Firing Sites Area, Yards C, G, and L, Warehouse 3-01, and the West Burn Pads Area South of the Road</i>
FUSRAP ROD	<i>FUSRAP Record of Decision for the Iowa Army Ammunition Plant</i>
GRRWA	Great River Regional Waste Authority
GWS	gamma walkover survey
HAL	health advisory limit
HEAST	<i>Health Effects Assessment Summary Tables</i>
Hg	mercury
HI	hazard index
HMX	high melting explosive
HQ	hazard quotient
HVAC	heating, ventilation, and air conditioning
IAAAP	Iowa Army Ammunition Plant
IAAAP FFA	<i>Iowa Army Ammunition Plant Federal Facility Agreement Under CERCLA Section 120</i>
IAC	<i>Iowa Administrative Code</i>
IC	institutional control
ICRP	International Commission on Radiation Protection
IDA	Inert Disposal Area
IDNR	Iowa Department of Natural Resources
IEQA	Iowa Environmental Quality Act
IRIS	Integrated Risk Information System
IRP	Installation Restoration Program
K	potassium
Kd	soil-to-water distribution coefficient
LAP	load, assemble, and pack
LDR	land disposal restriction
Leidos	Leidos, Inc.
LTTD	low temperature thermal desorption
LUC	land use control
MARSSIM	<i>Multi-Agency Radiation Survey and Site Investigation Manual</i>
MCL	maximum contaminant level
MDC	minimum detectable concentration
MEC	munitions and explosives of concern
MED	Manhattan Engineer District
MELT	mechanically enhanced lime treatment
MOU	Memorandum of Understanding
MRS	Munitions Response Site
NCP	National Oil and Hazardous Substances Pollution Contingency Plan
NHANES	National Health and Nutrition Examination Survey
NJDEP	New Jersey Department of Environmental Protection
NPDES	National Pollutant Discharge Elimination System
NPL	National Priorities List
NRC	U.S. Nuclear Regulatory Commission

ACRONYMS AND ABBREVIATIONS (Continued)

NTP	National Toxicology Program
O&M	operation and maintenance
ORNL	Oak Ridge National Laboratory
OSWER	Office of Solid Waste and Emergency Response
OU	operable unit
OU-1 IROD	<i>Interim Action Record of Decision, Soils Operable Unit, Iowa Army Ammunition Plant, Middletown, Iowa</i>
OU-1 Final ROD	<i>Record of Decision, Soils Operable Unit #1, Iowa Army Ammunition Plant, Middletown, Iowa</i>
OU-3 ROD	<i>Off-site Groundwater Record of Decision, Iowa Army Ammunition Plant, Middletown, Iowa</i>
OU-5 ROD	<i>Record of Decision Operable Unit 5, Military Munitions Response Program, Iowa Army Ammunition Plant, Middletown, Iowa</i>
OU-6 FS	<i>Feasibility Study for Operable Unit 6 (OU-6) Sitewide Groundwater for Iowa Army Ammunition Plant, Middletown, Iowa</i>
OU-7 FS	<i>Feasibility Study, Operable Unit 7 for Iowa Army Ammunition Plant, Middletown, IA</i>
OU-7 SRI	<i>Supplemental Remedial Investigation, Operable Unit 7 for Iowa Army Ammunition Plant, Middletown, IA</i>
OU-9 FS	<i>Focused Feasibility Study Report for Construction Debris Sites CC-IAAP-001 and CC-IAAP-002, Iowa Army Ammunition Plant, Middletown, Iowa</i>
OU-9 ROD	<i>Record of Decision Construction Debris Sites CC-IAAP-001 and CCIAAP-002 Operable Unit Nine Iowa Army Ammunition Plant Middleton, IA</i>
Pa	protactinium
PA	preliminary assessment
PAH	polycyclic aromatic hydrocarbon
Pb	lead
PbB	blood lead
PCB	polychlorinated biphenyl
PDI	pre-design investigation
Po	polonium
PPE	personal protective equipment
PPRTV	provisional peer-reviewed toxicity value
PRG	preliminary remediation goal
QC	quality control
Ra	radium
RAB	Restoration Advisory Board
RACR	remedial action closeout report
RAGS Part E	<i>Risk Assessment Guidance for Superfund, Volume I: Human Health Evaluation Manual (Part E, Supplemental Guidance for Dermal Risk Assessment)</i>
RAGS Part F	<i>Risk Assessment Guidance for Superfund, Volume I: Human Health Evaluation Manual (Part F, Supplemental Guidance for Inhalation Risk Assessment)</i>
RAO	remedial action objective
RAWD	remedial action work description
RCRA	Resource Conservation and Recovery Act
RD	remedial design

ACRONYMS AND ABBREVIATIONS (Continued)

RDX	cyclotrimethylenetrinitramine, also known as royal demolition explosive
RESRAD	RESidual RADioactivity (computer model)
RfD	reference dose
RfDo	oral reference dose
RG	remediation goal
RI	remedial investigation
RI/RA Report	<i>Remedial Investigation/Risk Assessment, Iowa Army Ammunition Plant</i>
Rn	radon
ROD	record of decision
RPF	relative potency factor
RSL	regional screening level
RSR	risk-to-source ratio
S/S	solidification/stabilization
SARA	Superfund Amendments and Reauthorization Act
SEC	Safety and Ecology Corporation (a subsidiary of PermaFix)
SI	site investigation
SL	screening level
SRI	supplemental remedial investigation
SSL	soil screening level
SVOC	semi-volatile organic compound
TCE	trichloroethylene
TCLP	Toxicity Characteristic Leaching Procedure
TECR	target excess cancer risk
TEDE	total effective dose equivalent
Th	thorium
THQ	target hazard quotient
Tl	thallium
TN&A	TN & Associates, Inc.
TNB	trinitrobenzene
TNT	trinitrotoluene
TRW	Technical Review Workgroup
U	uranium
USC	<i>U.S. Code</i>
UCL ₉₅	95 percent upper confidence limit
URICL	Upper Rock Island County Landfill
USACE	U.S. Army Corps of Engineers
USEPA	U.S. Environmental Protection Agency
UUUE	unlimited use and unrestricted exposure
UXO	unexploded ordnance
VQ	validation qualifier
WBPA	West Burn Pads Area
WBPS	West Burn Pads Area South of the Road
WDI	Wayne Disposal Inc.
WP	work plan

UNIT ABBREVIATIONS

Both English and metric units are used in this report. The units used in a specific situation are based on common unit usage or regulatory language (e.g., depths are given in feet, and areas are given in square meters). Units included in the following list are not defined at first use in this report.

°F	degrees Fahrenheit
μCi/mL	microcurie(s) per milliliter
μg/dL	microgram(s) per deciliter
μg/kg	microgram(s) per kilogram
μg/L	microgram(s) per liter
Ci	curie(s)
cm ²	square centimeter(s)
dpm	disintegration(s) per minute
ft	foot/feet
g	gram(s)
kg	kilogram(s)
L/kg	liter(s) per kilogram
m	meter(s)
m ²	square meter(s)
m ³	cubic meter(s)
mg	milligram(s)
mg/kg	milligram(s) per kilogram
mg/kg/day	milligram(s) per kilogram body weight per day
mrem	millirem
mSv	millisievert(s)
pCi	picocurie(s)
pCi/g	picocurie(s) per gram
pCi/L	picocurie(s) per liter
pCi/m ²	picocurie(s) per square meter(s)
ppb	part(s) per billion
yd ³	cubic yard(s)

EXECUTIVE SUMMARY

This five-year review was performed by the U.S. Army Corps of Engineers (USACE), St. Louis District to evaluate the implementation, performance, and protectiveness of the response actions conducted at the following areas of the Iowa Army Ammunition Plant (IAAAP) that are within the scope of the Formerly Utilized Sites Remedial Action Program (FUSRAP):

- Operable unit (OU)-1: Soil at Line 1 and the West Burn Pads Area South of the Road (WBPS), and
- OU-8: Line 1 (structures only), Warehouse 3-01 (building interiors), the Firing Sites Area (FSA) (soil and structures), Yard C (soil and structures), Yard G (soil and structures), and Yard L (soil in areas surrounding Warehouses L-37-1, L-37-2, and L-37-3). The FSA contains five subareas named for the buildings located within them: Firing Site (FS)-1 and FS-2 Area; FS-3, FS-4, and FS-5 Area; FS-6 Area (FS-6, FS-7, FS-8, and FS-15); FS-12 Area (FS-9, FS-10, FS-11, and FS-12); and FS-14 Area.

The IAAAP is an active, government-owned, contractor-operated installation located approximately 10 miles west of Burlington, Iowa, and the Mississippi River (Figure 1). From 1947 to 1975, portions of the IAAAP were under the control of the U.S. Atomic Energy Commission (AEC) for nuclear weapon and non-nuclear weapon-assembly operations. The FUSRAP OU-1 and OU-8 areas addressed by this five-year review are within the IAAAP installation boundaries as shown on Figure 2. Remedial activities at the IAAAP are being conducted under eight OUs: OU-1 (soils), OU-3 (off-site ground water), OU-4 (Inert Disposal Area [IDA]), OU-5 (Military Munitions Response Program), OU-6 (on-post ground water), OU-7 (miscellaneous sites), OU-8 (FUSRAP), and OU-9 (construction debris).

In July 2002, the U.S. Congress designated seven areas at the IAAAP to be investigated under the FUSRAP. A Federal Facility Agreement (FFA) between the USACE St. Louis District, the U.S. Environmental Protection Agency (USEPA) Region 7, the U.S. Department of Energy (DOE), and the State of Iowa to address the FUSRAP investigatory and cleanup work at the IAAAP was finalized on August 16, 2006 (USEPA et al. 2006). Because the 2006 IAAAP FFA and the lead agency (i.e., USACE) for responding to FUSRAP areas are separate from the FFA and lead agency (i.e., U.S. Army Joint Munitions Command) for Installation Restoration Program (IRP) sites, the five-year reviews addressing the FUSRAP areas are conducted separately from the IRP five-year reviews.

OPERABLE UNIT 1: LINE 1 AND WBPS

The portions of OU-1 designated as FUSRAP areas include the surface and subsurface soil at Line 1 and the WBPS. Line 1 is located on a 971,246 m² (240 acres) area in the northeastern portion of the IAAAP (Figure 3). The WBPS is located across the road south of the West Burn Pads Area (WBPA) in the northeast corner of the IAAAP.

The primary chemical contaminants at Line 1 and the WBPS include explosives 2,4,6-(trinitrotoluene [TNT] and cyclotrimethylenetrinitramine, also known as royal demolition explosive [RDX]), polycyclic aromatic hydrocarbons (PAHs), and metals. Based on the results of a remedial investigation (RI), it was concluded that no radiological contamination is present in soil at Line 1 or the WBPS (USACE 2008a).

The chemically contaminated soil from Line 1 and the WBPS is being addressed by the USACE consistent with the remedies described in two IAAAP records of decision (RODs): the *Interim*

Action Record of Decision, Soils Operable Unit, Iowa Army Ammunition Plant, Middletown, Iowa (OU-1 IROD) (U.S. Army Environmental Center 1998) and the *Record of Decision, Soils Operable Unit #1, Iowa Army Ammunition Plant, Middletown, Iowa* (OU-1 Final ROD) (USACE 1998a). These decision documents, as well as several associated Explanation of Significant Differences (ESD) documents for OU-1, identify the following components of the remedy for OU-1:

- Excavation of soil with contaminant of concern (COC) concentrations exceeding remediation goals (RGs)
- Evaluation of excavated soil areas to ecological critical concentrations (Eco CCs) to ensure protectiveness for ecological receptors
- Segregation of contaminated soil according to contaminant type and excess cancer risk (ECR) level
- Temporary storage of highly contaminated soil with ECR levels above 1E-05, or that fail land disposal restriction (LDR) criteria in the designated Corrective Action Management Unit (CAMU) (i.e., Trench 7), plus treatment of explosives-only contaminated soil by alkaline hydrolysis, and treatment of contaminated soil containing metals exceeding LDR criteria by solidification/stabilization (S/S)
- Permanent disposal of explosives-contaminated and/or metals-contaminated soil excavated and treated (if required) prior to August of 2010 in the on-site Soil Repository (Trench 6) and after August of 2010 at an off-site disposal facility
- Permanent treatment and disposal of polychlorinated biphenyl (PCB)-contaminated soil and semi-volatile organic compound (SVOC)-contaminated soil at an off-site disposal facility
- Site restoration
- Implementation and maintenance of institutional controls (ICs)

Excavation activities at the two FUSRAP areas included in OU-1, followed by site restoration activities, were conducted between October 2008 and October 2013 (SEC 2014). The contaminated soil was transported to both on-site and off-site disposal facilities for disposal and/or treatment, and the treatment has been completed. USACE has disposed of more than 25,445 tons of contaminated soil from Line 1 and approximately 25,336 tons of contaminated soil from the WBPS. FUSRAP remedial action for OU-1 is ongoing. At Line 1, 20 locations remain that exceed the ROD RGs as a result of continuing sources of PAH contamination and/or soil that was defined as inaccessible due to the presence of structures (Table 2-4). At the time when the continuing source is removed or soil becomes accessible (due to the renovation or demolition of the structure), soil samples will be collected, as necessary, to determine the horizontal and vertical extent of soil with COC concentrations exceeding the RGs. After the extent is determined, contaminated soil will be excavated and disposed of at an approved off-site disposal facility.

Since the issuance of the OU-1 Final ROD and ESD documents, the USEPA has implemented updates to exposure assumptions, toxicity criteria, and USEPA's risk assessment guidance/methodologies. Based on the updates, some RGs no longer meet the remedial action objective (RAO) to "prevent ingestion and direct contact to contaminated soils at levels exceeding a 10⁻⁶ carcinogenic risk or a non-carcinogenic hazard index of one based on the reasonable maximum exposure determined in the BLRA" (USACE 1998b). However, the

findings of the health protectiveness evaluation performed for the technical assessment demonstrate that the remedy at OU-1 is still protective of human health and protective of ground water. Additionally, the Eco CCs established for both Line 1 and the WBPS ensure health protection of the Indiana bat (a federally endangered species that roosts at the IAAAP).

Based on the technical evaluation, no natural or manmade changes to the physical or biological characteristics of the OU-1 areas that would impact protectiveness of the remedy have occurred. The IAAAP is currently an industrialized military installation with installation security measures and perimeter fencing in place to limit public access to the facility and to individual plant production areas. No information is known that could call into question the human health or environmental protectiveness of the remedies applied to Line 1 and the WBPS.

The remedy at OU-1 currently protects human health and the environment because a majority of the soil contamination has been addressed. In order for the remedy to be protective in the long-term, ICs need to be implemented and a strategy for addressing areas of soil contamination resulting from continuing sources needs to be developed, documented, and implemented.

OPERABLE UNIT 8

OU-8 includes the following areas: Line 1 structures; the FSA (consisting of five subareas); Yard C; Yard G; Yard L; and Warehouse 3-01.

The Line 1 production facility is located in the northeast portion of the IAAAP as shown on Figure 3. Portions of Line 1 are currently used for munitions production. From 1941 until August 1945, production at Line 1 included many types of ammunition, including fixed artillery rounds and bombs. The AEC took over operations at Line 1 for weapons assembly from 1947 to 1975. AEC operations at Line 1 included machining of depleted uranium (DU) (USEPA et al. 2006).

The FSA is an operational range currently being used by the U.S. Army to test military munitions. The FSA is located in the western portion of the IAAAP and encompasses 1,821,085 m² (450 acres). The FSA was used by the AEC between 1948 and 1974 to support test firing of munitions. The AEC no longer tests munitions at the FSA, and munitions containing DU are no longer tested at the FSA. The five subareas that comprise the FSA are named for the buildings located within them and include the following individual FSs, grouped by proximity (as shown on Figure 7):

- FS-1 and FS-2 are located at the entrance of the FSA;
- FS-3, FS-4, and FS-5 are located on the east side of the FSA;
- FS-6, FS-7, FS-8, and FS-15 are clustered in the central portion of the FSA and identified as the FS-6 Area;
- FS-9, FS-10, FS-11, and FS-12 are clustered in the northern portion of the FSA and identified as the FS-12 Area; and
- FS-14 is located directly north of the entrance area.

Storage Yards C, G, and L were historically used by the AEC for storage of various materials and components. Their locations are shown on Figure 2.

- Yard C is located in the eastern portion of the IAAAP and is approximately 1,218,290 m² (301 acres) in size. It consists primarily of an open field with 43 storage igloos and several other support buildings.

- Yard G is located in the southern portion of the IAAAP in a heavily forested valley of Long Creek. It is approximately 1,048,000 m² (259 acres) in size.
- Yard L is located approximately 1,000 ft south of the northern boundary of the IAAAP. The area of Yard L identified as being used by the AEC is approximately 48,270 m² (12 acres) in size. Yard L consists of long buildings oriented east-to-west with railroad tracks that service the buildings.

Warehouse 3-01 is located in the central portion of the IAAAP in the north-central area of Line 3 (Figure 2). Warehouse 3-01 consists of a large, brick building and a surrounding land area of approximately 2,610 m².

Based on the results of investigations conducted at OU-8, the only identified radiological COC was DU (including the isotopes uranium [U]-234, U-235, and U-238). The DU was found as fragments and particles in soil at the FSA and as particles embedded in and/or adhered to structural surfaces at Line 1 (i.e., the steel floor grate at Building 1-11 and air filters at Building 1-63-6). The only chemical COCs identified in soil were 2,4,6-TNT, RDX, and chromium. No DU or chemical contamination was found at Yards C, G, or L, or at Warehouse 3-01 in concentrations exceeding the RI screening levels (SLs).

In accordance with the 2006 Dispute Resolution Agreement, the FUSRAP response at the FSA was limited to the removal of DU fragments and DU-contaminated soil. As defined by the *FUSRAP Record of Decision for the Iowa Army Ammunition Plant* (FUSRAP ROD) (USACE 2011a), the main components of the remedy for soil includes the following:

- Excavation of DU-contaminated soil to meet the industrial RG at the FS-1 and FS-2 Area; FS-3, FS-4, and FS-5 Area; FS-6 Area; and FS-12 Area;
- Physical treatment of DU-contaminated soil excavated from the FS-1 and FS-2 Area; FS-3, FS-4, and FS-5 Area; FS-6 Area; and FS-12 Area via soil sorting;
- Materials exceeding the DU RG would be disposed at a properly permitted off-site facility. Materials meeting the DU RG may be used as backfill, as appropriate;
- Site restoration, including backfilling, grading and re-vegetation;
- No excavation would be conducted at Yards C, G, or L, or FS-14; and
- Continued industrial land use supported by use restrictions and outgrants administered by the U.S. Army as part of its land management responsibilities.

The main components of the remedy for structures include:

- Decontamination of structural surfaces and/or replacement of structural components (e.g., Building 1-11 floor grate and Building 1-63-6 air filters) to achieve the industrial RG for structures;
- Disposal of DU-contaminated materials at a properly permitted off-site facility; and
- Continued industrial land use supported by use restrictions and outgrants administered by the U.S. Army as part of its land management responsibilities.

A pilot test for physical treatment (soil sorting using *ScanSort*SM system) was conducted between May 13 and July 19, 2013. After completion of the pilot test, remediation activities for OU-8 (excavation and soil sorting) were initiated at the FS-12 Area. Excavation activities at the FS-1 and FS-2 Area; FS-3, FS-4, and FS-5 Area; and the FS-6 Area were conducted prior to 2016. No remediation was required at FS-14. Remediation of structures at Line 1 (involving

replacement of one section of the Building 1-11 floor grate, decontamination of the remaining contaminated portions of the grate, and replacement of the Building 1-63-6 air filters) was initiated in April 2014 and completed in July 2015. Construction is complete and the remedy is operational at all OU-8 areas with the exception of the FS-6 Area and the FS-12 Area. Construction is ongoing at the FS-12 Area. Excavation has been conducted at the FS-6 Area, but verification sampling has not yet been completed.

The results of the technical assessment indicate that since the signing of the FUSRAP ROD (USACE 2011a) in 2011, there have been no significant changes or updates in exposure assumptions or in the USEPA's risk assessment guidance/methodologies that would impact the risk and dose assessment methods used to calculate the RGs for the remedial action at OU-8. In addition, no natural or manmade changes to the physical or biological characteristics of the OU-8 areas that would impact the protectiveness of the remedy have occurred. The OU-8 RGs are protective under industrial/commercial use. Industrial land use restrictions are already effectively in place through the current property function as an Army ammunition plant with its associated security and property access restrictions.

The remedy at OU-8 is expected to be protective of human health and the environment upon completion. In the interim, remedial activities completed to date have adequately addressed all exposure pathways that could result in unacceptable risks in these areas.

FIVE-YEAR REVIEW SUMMARY FORM

SITE IDENTIFICATION		
Site Name: Formerly Utilized Sites Remedial Action Program (FUSRAP) – Iowa Army Ammunition Plant (IAAAP) Operable Unit (OU)-1 areas (Line 1 and the West Burn Pads Area South of the Road [WBPS]) and Operable Unit (OU)-8 areas		
EPA ID: IA7213820445		
Region: 7	State: IA	City/County: Middletown/Des Moines Co
SITE STATUS		
NPL Status: Final		
Multiple OUs? Yes	Has the site achieved construction completion? No	
REVIEW STATUS		
Lead agency: Other Federal Agency If “Other Federal Agency” was selected above, enter Agency name: U.S. Army Corps of Engineers (USACE)		
Author name (Federal or State Project Manager): Michael L. Kessler		
Author affiliation: FUSRAP IAAAP PM, USACE St. Louis District		
Review period: November 2017 - December 2018		
Date of site inspection: April 2018		
Type of review: Statutory		
Review number: 1 (FUSRAP OUs)		
Triggering action date: 04/14/2014		
Due date (five years after triggering action date): 04/14/2019		

FIVE-YEAR REVIEW SUMMARY FORM (Continued)

Issues/Recommendations	
OU(s) without Issues/Recommendations Identified in the Five-Year Review:	
None	

Issues and Recommendations Identified in the Five-Year Review:				
OU(s): 1	Issue Category: Institutional Controls (ICs)			
	Issue: Land use controls (LUCs), including ICs, have yet to be formally documented and implemented.			
	Recommendation: A process for formally documenting LUCs, including ICs, needs to be established in a Land Use Controls Implementation Plan.			
Affect Current Protectiveness	Affect Future Protectiveness	Implementing Party	Oversight Party	Milestone Date
No	Yes	U.S. Army	USEPA/State	Calendar Year (CY) 2019
OU(s): 1	Issue Category: Remedy Performance			
	Issue: No current strategy exists for addressing contaminated soil at inaccessible and continuing source areas at Line 1.			
	Recommendation: A strategy for addressing areas of soil contamination at inaccessible and continuing source areas needs to be developed, documented, and implemented.			
Affect Current Protectiveness	Affect Future Protectiveness	Implementing Party	Oversight Party	Milestone Date
No	Yes	USACE	USEPA/State	CY 2019
OU(s): 8	Issue Category: Institutional Controls (ICs)			
	Issue: An evaluation is required to determine the need for ICs.			
	Recommendation: An evaluation of long-term protectiveness needs to be conducted through either (1) a post-construction risk assessment or (2) a review of remedy protectiveness following the closure of the operational range.			

FIVE-YEAR REVIEW SUMMARY FORM (Continued)

Affect Current Protectiveness	Affect Future Protectiveness	Implementing Party	Oversight Party	Milestone Date
No	Yes	USACE	USEPA/State	CY 2022

Protectiveness Statement(s)		
<i>Operable Unit:</i> 1	<i>Protectiveness Determination:</i> Will be Protective	<i>Addendum Due Date (if applicable):</i>
<i>Protectiveness Statement:</i> The remedy at OU-1 currently protects human health and the environment because a majority of the soil contamination has been addressed. In order for the remedy to be protective in the long-term, ICs need to be implemented and a strategy for addressing areas of soil contamination resulting from continuing sources needs to be developed, documented, and implemented.		
<i>Operable Unit:</i> 8	<i>Protectiveness Determination:</i> Will be Protective	<i>Addendum Due Date (if applicable):</i>
<i>Protectiveness Statement:</i> The remedy at OU-8 is expected to be protective of human health and the environment upon completion. In the interim, remedial activities completed to date have adequately addressed all exposure pathways that could result in unacceptable risks in these areas.		

STATEMENT OF PROTECTIVENESS

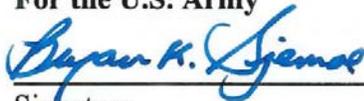
Protectiveness Statement (Operable Unit 1)

The remedy at Formerly Utilized Sites Remedial Action Program (FUSRAP) operable unit (OU)-1 areas (Line 1 and the West Burn Pads Area South of the Road [WBPS]) currently protects human health and the environment because a majority of soil contamination has been addressed. In order for the remedy to be protective in the long-term, ICs need to be implemented and a strategy for addressing areas of soil contamination resulting from continuing sources needs to be developed, documented, and implemented.

Protectiveness Statement (Operable Unit 8)

The remedy at OU-8 is expected to be protective of human health and the environment upon completion. In the interim, remedial activities completed to date have adequately addressed all exposure pathways that could result in unacceptable risks in these areas.

For the U.S. Army



Signature

08 MAR 2019

Date

Bryan K. Sizemore
Colonel, U.S. Army
District Commander

For the U. S Environmental Protection Agency (USEPA)



Signature

3/25/2019

Date

Mary P. Peterson
Director, Superfund Division
USEPA Region 7

For the State of Iowa



Signature

5/13/2019

Date

Angela Leek
Bureau Chief, Bureau of Radiological Health
Iowa Department of Public Health

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1.0 INTRODUCTION

The purpose of this five-year review is to evaluate the implementation and performance of a remedy for the Formerly Utilized Sites Remedial Action Program (FUSRAP) areas at the Iowa Army Ammunition Plant (IAAAP) in order to determine if the remedy is or will be protective of human health and the environment. The methods, findings, and conclusions of reviews are documented in Five-Year Review Reports. In addition, Five-Year Review Reports identify issues found during the review, if any, and recommendations to address them. This five-year review is required because hazardous substances, pollutants, or contaminants remain at the FUSRAP areas above levels that meet the criteria for unlimited use and unrestricted exposure (UUUE).

This review was conducted pursuant to Section 121 of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), as amended by the Superfund Amendments and Reauthorization Act (SARA) of 1986, and to the National Oil and Hazardous Substances Pollution Contingency Plan (NCP).

In September 1990, the IAAAP was placed on the U.S. Environmental Protection Agency's (USEPA's) National Priorities List (NPL), pursuant to Section 105 of CERCLA. The NCP, at 40 *Code of Federal Regulations (CFR)* §300.430(f)(4)(ii), states the following:

If a remedial action is selected that results in hazardous substances, pollutants, or contaminants remaining at the site above levels that allow for unlimited use and unrestricted exposure, the lead agency shall review such action no less often than every five years after the initiation of the selected remedial action.

The U.S. Army Corps of Engineers (USACE) St. Louis District conducted a five-year review of the remedy for the FUSRAP areas at the IAAAP in accordance with the USEPA's *Comprehensive Five-Year Review Guidance* (USEPA 2001). The review was conducted from November 7, 2017, to December 31, 2018. The results of the CERCLA five-year review are documented in this report: Section 2 presents the five-year review results for the contaminated soil at the FUSRAP areas remediated consistent with the Operable Unit (OU)-1 records of decision (RODs) (i.e., FUSRAP OU-1 areas) and Section 3 presents the five-year review results for OU-8.

This is the first five-year review conducted by USACE at the IAAAP. Chemically contaminated soil at Line 1 and the WBPS were partially addressed as part of OU-1 under two of the three prior non-FUSRAP five-year reviews (Tetra Tech 2006a, 2011a), the triggering action for this review is not the date remedial actions were initiated at OU-1 but is instead the date full-scale remediation activities at OU-8 were initiated under the *FUSRAP Record of Decision for the Iowa Army Ammunition Plant* (FUSRAP ROD) (USACE 2011a), which was April 14, 2014.

1.1 REGULATORY BACKGROUND

The FUSRAP was initiated by the U.S. Atomic Energy Commission (AEC) in 1974 to identify, remediate, or otherwise control sites at which residual radioactivity remained from operations conducted for the Manhattan Engineer District (MED). The FUSRAP continued under the successor agencies to the AEC until 1997, when the U.S. Congress transferred responsibility for management of the FUSRAP from the U.S. Department of Energy (DOE) to USACE.

In July 2002, Line 1, the Firing Sites Area (FSA), the West Burn Pads Area South of the Road (WBPS), Warehouse 3-01, Yard C, Yard G, and Yard L (areas surrounding Warehouses L-37-1, L-37-2, and L-37-3) were designated by the U.S. Congress as part of the FUSRAP. A Federal Facility Agreement (FFA) between the USACE St. Louis District, the USEPA Region 7,

the DOE, and the State of Iowa to address the FUSRAP investigatory and cleanup work at the IAAAP was finalized on August 16, 2006, as documented in the 2006 *Iowa Army Ammunition Plant Federal Facility Agreement Under CERCLA Section 120* (IAAAP FFA) (USEPA et al. 2006). According to the 2006 IAAAP FFA, the USACE shall respond to all releases and threats of releases of hazardous substances, pollutants, or contaminants, except for ground-water and surface-water contamination, at the seven areas associated with previous AEC activity at the IAAAP (USEPA et al. 2006). Ground-water and surface-water contamination existing on or migrating from the IAAAP, including such contamination associated with the FUSRAP areas, are considered outside the scope of FUSRAP and will be addressed pursuant to the U.S. Army's 1990 IAAAP FFA (U.S. Army and USEPA 1990). According to the 2006 FFA (USEPA et al. 2006), other areas beyond those identified may be added to the list of FUSRAP areas if it is determined that they contain contamination resulting from AEC activities. Three additional areas, consisting of portions of Yard E, Yard F, and the Area West of Line 5B, were investigated during the RI for the FUSRAP and found to be radiologically non-impacted. As a result, these areas require no further FUSRAP action, and the responsibility remains with the IRP. (USACE 2011a)

The results of the *Iowa Army Ammunition Plant FUSRAP Remedial Investigation Report for Firing Sites Area, Yards C, E, F, G, and L, Warehouse 3-01 and Area West of Line 5B* (FUSRAP RI) (USACE 2008a) indicated that remediation was required at the FSA for depleted uranium (DU)-contaminated soil, and physical decontamination of DU-contaminated structural surfaces and/or replacement of structural components at Line 1 (i.e., a grate over a sump in Building 1-11 and the air filters in an air handling unit in Building 1-63-6). The Yards C, G, and L soil and structures and Warehouse 3-01 building interior had not been impacted by DU, and no chemical COPCs were evaluated in soil and therefore, no remediation was required in these areas. The selected remedy for remediation of DU-contaminated soil and structures at the FUSRAP areas was described in the FUSRAP ROD (USACE 2011a).

The FUSRAP remedial action at the FSA was limited to the removal of DU fragments and DU-contaminated soil in accordance with the 2006 Dispute Resolution Agreement (U.S. Army 2006). Potential chemical contaminants (e.g., explosives and metals) resulting from site practices are not being addressed under the FUSRAP because the FSA is an operational test range currently being used to test military munitions. Additional response actions will be addressed when the FSA ceases to be operational, unless releases from the FSA require an immediate response to protect human health or the environment. If such a condition is determined to exist, response actions will be implemented consistent with the provisions of the 2006 IAAAP FFA.

The FUSRAP RI also concluded that the soil at Line 1 and the WBPS was not radiologically (i.e., DU) contaminated. The bulk of the soil volume at Line 1 and the WBPS was contaminated by explosives and metals and, therefore, would be remediated by USACE consistent with the two existing RODs for chemically contaminated soil at IAAAP, the *Interim Action Record of Decision, Soils Operable Unit, Iowa Army Ammunition Plant, Middletown, Iowa* (OU-1 IROD) (U.S. Army Environmental Center 1998) and the *Record of Decision, Soils Operable Unit #1, Iowa Army Ammunition Plant, Middletown, Iowa* (OU-1 Final ROD) (USACE 1998a).

1.2 SITE BACKGROUND

1.2.1 Physical Characteristics

The IAAAP is an active, government-owned, contractor-operated installation under the command of the U.S. Army Joint Munitions Command, Rock Island, Illinois. It occupies approximately

76,890,000 m² (19,000 acres) in Des Moines County near Middletown, Iowa. It is approximately 10 miles west of Burlington, Iowa, and approximately 9 miles northwest of the confluence of the Skunk and Mississippi Rivers (Figure 1). The installation's primary mission since 1941, and current mission, has been to load, assemble, and pack (LAP) ammunition items, including projectiles, mortar rounds, warheads, demolition charges, and munitions components (e.g., fuses, primers, and boosters) for the Department of Defense (DOD). The FUSRAP OU-1 and OU-8 areas addressed by this five-year review are within the IAAAP installation boundaries as shown on Figure 2. The OU-1 FUSRAP areas include soil at Line 1 and the WBPS. The OU-8 areas include Line 1 (structures only), Warehouse 3-01 (building interiors), the FSA (soil and structures), Yard C (soil and structures), Yard G (soil and structures), and Yard L (soil in areas surrounding Warehouses L-37-1, L-37-2, and L-37-3).

The northern area of the IAAAP consists of gently undulating terrain; the central portion is characterized by rolling terrain dissected by a shallow drainage system; and the southern area of the installation contains drainage ways with steep slopes down to the creek beds. Elevations within the IAAAP range from 730 ft above mean sea level (amsl) in the northern portion of the installation to 530 ft amsl in the southern portion.

The IAAAP contains portions of five watersheds. The Skunk River watershed comprises the southwest corner of the IAAAP; Skunk River borders the installation's perimeter on the southwest corner and provides year-round recreational use. The Long Creek watershed comprises the western portion of the IAAAP; Long Creek exits the IAAAP at the southwestern boundary and joins the Skunk River just south of the facility. Long Creek has been dammed near the center of the installation to create the 343,980-m² (85 acres) George H. Mathes Lake, which was used as a water source for the installation until January 1977. The Brush Creek watershed comprises the central portion of the installation; Brush Creek exits the IAAAP at the southeastern boundary and flows in a southeasterly direction into the Skunk River, which then flows into the Mississippi River. The Spring Creek watershed drains the eastern portion of the installation; Spring Creek exits the IAAAP at the southeastern corner and flows directly into the Mississippi River. The Little Flint Creek watershed comprises a small area in the northern portion of the installation.

1.2.2 Land and Resource Use

The IAAAP was established in July 1941 as the Iowa Ordnance Plant. It produced munitions for World War II from September 1941 until August 1945, and munitions for military activities in Southeast Asia in the 1960s and early 1970s. Activities at the IAAAP continued at a reduced level during peacetime. The plant was operated by Day & Zimmerman Corporation from 1941 to 1946 and by the U.S. Government from 1946 to 1951. Since 1951, the plant has been a Government-Owned/Contractor-Operated installation. The plant was operated by the Mason & Hanger Corporation from 1951 to 1998, and is currently an active U.S. Army Joint Munitions Command installation operated by the civilian contractor American Ordnance, LLC (AO). Because the installation is an active production plant, inactive lines are maintained on standby status or leased to contractors. Lines that will no longer be used by the U.S. Army have been placed in modified caretaker status. From 1947 to 1975, portions of the IAAAP were under the control of the AEC for nuclear weapon and non-nuclear weapon-assembly operations.

The IAAAP is currently an industrialized military installation with land use controls (LUCs) in place to limit access to the property as a whole and to individual plant production areas. Approximately 32,374,850 m² (8,000 acres) of the IAAAP are leased for agricultural use, 30,351,420 m² (7,500 acres) are forested, and the remaining areas are developed and occupied by

active or former production or storage facilities. The property includes several LAP operation lines, ammunition storage yards, former surface impoundments, landfills and disposal areas, burn pads, demolition areas, and fire training areas. Hunting and fishing are regulated at the IAAAP through the use of permits. Public access to the installation is restricted by perimeter fencing and the IAAAP security staff. Existing LUCs include use restrictions and outgrants administered by the U.S. Army to limit the IAAAP to industrial (military) land use. The expected future use of the property is a DOD military installation with industrial land use.

Des Moines County is comprised of approximately 60 percent cropland, 22 percent woodland or idle land, 10 percent urban land, and 8 percent pastureland. The land surrounding the IAAAP is characterized as rural and expected to remain rural. The largest population centers are the towns of Burlington (population: 25,500), West Burlington (3,300), Middletown (500), and Danville (900) (USCB 2010). The rural area south (downgradient) of the IAAAP is sparsely populated.

1.2.3 History of Contamination

Contamination at the IAAAP is primarily attributable to past industrial and laboratory operating practices involving various explosives-laden sludge, wastewater, and solids; lead-contaminated sludge; ashes from incineration and open burning of explosives; and waste solvents. Additional sources of contamination included open burning of explosive materials and munitions and landfilling of waste material (Tetra Tech 2009). DU contamination at the FUSRAP areas are associated with historical AEC weapon-assembly operations conducted from 1947 to 1975 (USACE 2011a).

1.3 ORGANIZATION OF THIS FIVE-YEAR REVIEW REPORT

The Five-Year Review Report is organized into Sections 1.0 through 4.0 and Appendices A through H.

- | | |
|-------------|---|
| Section 1.0 | Contains a brief overview of and regulatory background for the FUSRAP and this five-year review, as well as a brief history of the physical characteristics, land and resource use, and contamination of the IAAAP. |
| Section 2.0 | Contains the methods, findings, and conclusions of the CERCLA five-year review for contaminated soil at the FUSRAP OU-1 areas (i.e., Line 1 and the WBPS), as well as issues found during the review and recommendations to address them. |
| Section 3.0 | Contains the methods, findings, and conclusions of the CERCLA five-year review for OU-8 (i.e., the structures at Line 1 and Warehouse 3-01; soil and sediment at the FSA; and Yards C, G, and L), as well as issues found during the review and recommendations to address them. |
| Section 4.0 | Lists the references and resource materials used in the development and preparation of this Five-Year Review Report for OU-1 and OU-8. |
| Figures | Contains the figures referenced in Sections 1.0 through 3.0. These figures depict the location of the IAAAP, the FUSRAP areas in OU-1 and OU-8, and the specifics (e.g., layout and topography, excavation areas, and monitoring locations) of those areas. |
| Appendix A | Contains detailed responses to Technical Assessment Question B for OU-1 and OU-8 in the form of changes to be considered (i.e., in standards; exposure pathways, exposure assumptions, and risk assessment methods; and toxicity or contaminant characteristics) and the health protectiveness of the remedy. |

- Appendix B Contains the OU-1 post-remedial characterization and verification data versus comparison values.
- Appendix C Contains the exposure point concentration (EPC) calculations for Line 1.
- Appendix D Contains the adult lead methodology calculations for Line 1 Excavation Area 3A.
- Appendix E Contains calculation checks of OU-8 remediation goals (RGs) for DU based on current models and data.
- Appendix F Contains details of site inspections performed to determine the effectiveness of the remedy at OU-1 and OU-8 as part of this five-year review.
- Appendix G Contains a list of individuals (name and affiliation) interviewed for this five-year review and a detailed record of each interview.
- Appendix H Contains a brief summary of the other OUs at the IAAAP.

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2.0 OPERABLE UNIT 1 - LINE 1 AND WBPS

2.1 INTRODUCTION

The methods, findings, and conclusions of the CERCLA five-year review for contaminated soil at the FUSRAP OU-1 areas (Line 1 and the WBPS) are documented in this section of the report. In addition, this section identifies issues found during the review and recommendations to address them.

2.2 SITE CHRONOLOGY

A summary of the chronology of events for the FUSRAP OU-1 areas (Line 1 and the WBPS) is presented in Table 2-1.

Table 2-1. Chronology of Events for FUSRAP Areas in OU-1

Installation-Wide Events	Date
IAAAP in use for munitions production.	1941 to present
Portions of IAAAP installation placed under control of AEC to fabricate explosive components for nuclear weapons.	1947 to 1975
FUSRAP created.	March 1974
IAAAP placed on NPL (CERCLIS ID # IA7213820445).	August 1990
1990 IAAAP FFA (U.S. Army and USEPA 1990) between the U.S. Army and the USEPA for CERCLA response actions at the IAAAP.	September 1990
Installation-wide preliminary assessment (PA)/site investigation (SI) completed covering 43 areas of known or suspected contamination at the IAAAP, including Line 1 and the WBPS (JAYCOR 1994).	1992
Final installation-wide Revised Draft Final <i>Remedial Investigation/Risk Assessment, Iowa Army Ammunition Plant</i> (RI/RA Report) (JAYCOR 1996) issued.	May 1996
The U.S. Congress transferred responsibility for administration and execution of cleanup at eligible FUSRAP areas from the DOE to the USACE.	October 1997
Memorandum of Understanding (MOU) between the DOE and the USACE regarding administration and execution of FUSRAP.	March 1999
The U.S. Congress designated several areas of the IAAAP that were previously used by the AEC as FUSRAP areas.	July 2002
An aerial radiological survey of the IAAAP and a portion of the surrounding community was conducted to identify any remaining areas that should be addressed by the FUSRAP.	October 2002
First five-year review for the IAAAP (non-FUSRAP areas) signed (Tetra Tech 2006a).	March 2006
Second five-year review for the IAAAP (non-FUSRAP areas) was signed (Tetra Tech 2011a).	April 2011
Third five-year review for the IAAAP (non-FUSRAP areas) was signed (USACE 2016a).	March 2016
Line 1 and WBPS Events	Date
Construction of Line 1 was completed and operations at Line 1 were initiated by the U.S. Army.	September 1941
The AEC operated at Line 1.	1947 to mid-1975
The WBPS was used concurrently by the AEC and the U.S. Army for metals flashing.	1949 to 1975
As part of a removal action, 11 sumps and associated contaminated soil were removed at Line 1.	1995
Draft Final <i>Soils Focused Feasibility Study, Vol. 1 of 1, Iowa Army Ammunition Plant Middletown, Iowa</i> (Engineered Efficiency 1997) was issued. Report includes development of soil preliminary remediation goals (PRGs) for OU-1.	May 8, 1997
OU-1 IROD (U.S. Army Environmental Center 1998) was signed.	March 4, 1998
USACE Omaha District issued Final <i>Soils Feasibility Study Report Operable Unit No. 1, Iowa Army Ammunition Plant (IAAAP), Middletown, Iowa</i> (USACE 1998b).	June 19, 1998
OU-1 Final ROD (USACE 1998a) was signed.	September 29, 1998

Table 2-1. Chronology of Events for FUSRAP Areas in OU-1 (Continued)

Line 1 and WBPS Events (Continued)	Date
Excavation of 600 yd ³ of soil from Line 1 North Sump Area.	May 2000
Excavation activities were completed under the Installation Restoration Program (IRP) for the West Burn Pads Area (WBPA). The U.S. Army discovered an area of potentially contaminated soil (the WBPS) after completion of this removal action.	2000
As part of a focused feasibility study, the USACE Omaha District conducted soil sampling to assess explosives and metals contamination in soil in a portion of the WBPS.	September to November 2001
Final FUSRAP PA (USACE 2001) was issued.	December 2001
The U.S Army conducted a supplemental remedial investigation (SRI) for soil at Line 1 (TN&A 2002).	2001 to 2002
<i>Explanation of Significant Differences for the Final Record of Decision (ROD) for the Soils Operable Unit (OU-1), Iowa Army Ammunition Plant (IAAP), Middletown, Iowa (2003 OU-1 ROD ESD) (USEPA 2003a), which documented changing the primary remedy for explosives-contaminated soil from low temperature thermal desorption (LTTD) to bioremediation, was signed.</i>	April 2003
<i>Explanation of Significant Differences Deletion of Radiological Contaminants from the Interim Record of Decision (IROD) Soils Operable Unit (OU-1) for Iowa Army Ammunition Plant, Middletown, Iowa (2006 OU-1 IROD ESD) (Tetra Tech 2006b), which removed the soil RGs for select radiological contaminants.</i>	June 2006
2006 IAAAP FFA (USEPA et al. 2006) between the USACE St. Louis District, USEPA Region 7, Iowa Department of Natural Resources (IDNR), and the DOE for investigation and cleanup of seven FUSRAP areas at the IAAAP was signed.	August 16, 2006
The USACE issued the <i>Remedial Investigation Work Plan for Line 1, Firing Sites Area, Yards C, G, and L, Warehouse 3-01, and the West Burn Pads Area South of the Road (FUSRAP RI WP) (USACE 2007).</i>	June 2007
<i>Explanation of Significant Differences for the Interim Action Record of Decision (IROD) Soils Operable Unit (OU-1) Addition of Environmental Protectiveness to the Remedy and Transfer of Sites from OU-4 to OU-1 for Iowa Army Ammunition Plant, Middletown, Iowa (2008 OU-1 IROD ESD) (Tetra Tech 2008) was issued.</i>	June 2008
FUSRAP RI (USACE 2008a) was issued for the FSA, Yards C, E, F, G, and L, Warehouse 3-01, and Area West of Line 5B. Report does not include the WBPS or Line 1.	July 2008
The USACE issued the Draft Final <i>Iowa Army Ammunition Plant Line 1 and West Burn Pads Area South of the Road FUSRAP Remedial Design/Remedial Action Work Description (FUSRAP RD/RAWD) (USACE 2008b).</i>	August 2008
Remedial action was initiated (i.e., site mobilization) at Line 1 and the WBPS.	October 3, 2008
<i>Explanation of Significant Differences for the Final Record of Decision (ROD) Soils Operable Unit 1 (OU-1) Change of Primary Treatment Technology From Biological to Alkaline Hydrolysis Chemical Treatment for Iowa Army Ammunition Plant, Middletown, Iowa (2009 OU-1 ROD ESD) (Tetra Tech 2009) was issued to change the primary remedy from bioremediation to alkaline hydrolysis.</i>	September 2009
OU-8 was established for FUSRAP areas as a result of the restructuring of OUs at the IAAAP.	2009
Excavation activities at the WBPS were completed.	September 2010
<i>Explanation of Significant Differences for the Final Record of Decisions (ROD) Soils Operable Unit (OU-1) Addition of Soil Volume, Site-Specific Remedial Goal for Barium, and Offsite Disposal of Contaminated Soil for Iowa Army Ammunition Plant, Middletown, Iowa (2011 OU-1 ROD ESD) (Tetra Tech 2011b) was issued to add an RG for barium and allow offsite disposal.</i>	March 2011
The <i>Iowa Army Ammunition Plant Line 1 And West Burn Pads Area South of the Road, FUSRAP Remedial Design/Remedial Action Work Description Line 1 Waste Line Addendum (FUSRAP RD/RAWD Addendum) (USACE 2011b) was issued to address seven additional areas requiring excavation of explosives-contaminated soil at Line 1.</i>	July 2011
Additional soil samples were collected around clarifiers, sumps, and water troughs at Line 1.	2012
Final inspections were conducted at 40 areas at Line 1 and at the WBPS.	October 15, 2012
Backfill of the excavated areas at Line 1 was completed.	October 2013

Table 2-1. Chronology of Events for FUSRAP Areas in OU-1 (Continued)

Line 1 and WBPS Events (Continued)	Date
Final inspections were completed for three remaining areas at Line 1.	April 14, 2014
Construction was completed at WBPS.	May 2014
Construction was suspended at FUSRAP Line 1 areas pending inaccessible soil area remediation.	May 2014
<i>Explanation of Significant Differences for the Records of Decision Soils Operable Unit (OU-1) Addition of Land Use Controls, Off-site Disposal of Contaminated Soil, and the Fire Training Pit for Iowa Army Ammunition Plant, Middletown, Iowa (2018 OU-1 ROD ESD)</i> (Leidos 2018) was issued to establish LUCs as the long-term component necessary to provide long-term protectiveness and to allow off-site treatment and disposal for any remaining contaminated soil that may require removal at OU-1 areas.	October 2018

2.3 BACKGROUND

2.3.1 Physical Characteristics

The two FUSRAP OU-1 areas (Line 1 and the WBPS) are located in the northeastern corner of the IAAAP (Figure 2). Their physical characteristics are described in the following subsections.

2.3.1.1 Line 1

The Line 1 area is located in the northeastern portion of the IAAAP. It is located on a 971,246-m² (240-acre) area and encompasses more than 250 buildings and related facilities. The ground surface at the Line 1 area consists primarily of relatively flat-lying terrain with the exception of several sloped areas and drainage ditches that convey surface-water runoff to Brush Creek (Figure 3).

2.3.1.2 West Burn Pads Area South of the Road

The WBPS is located south of the West Burn Pads Area (WBPA), one of several subareas comprising the Explosive Disposal Area (EDA), located in the northeast corner of the IAAAP. The WBPS is bound to the north by the east-west EDA road leading to the East Burn Pads Area, to the east by Spring Creek, to the south by the WBPA bunker access road, and to the west by the north-south EDA road (Figure 4). Based on the topography of the area, surface-water runoff from the WBPS drains to Spring Creek, which flows north to south between the WBPA and the East Burn Pads Area.

2.3.2 Land and Resource Use

Portions of OU-1, including Line 1, are currently in use by the U.S. Army as part of their operational facilities at the IAAAP. Information concerning land and resource use at the IAAAP is presented in Section 1.2.2.

2.3.3 History of Contamination

Brief summaries of the history of contamination at Line 1 and the WBPS are provided in the following subsections. The historical information presented in this section is taken primarily from the *Remedial Investigation Work Plan for Line 1, Firing Sites Area, Yards C, G, and L, Warehouse 3-01 and the West Burn Pads Area South of the Road* (FUSRAP RI WP) (USACE 2007).

2.3.3.1 *Line 1*

From 1941 until August 1945, production at Line 1 included many types of ammunition, including fixed artillery rounds and bombs. Shells produced at Line 1 during this time contained a mixture of trinitrotoluene (TNT) and ammonium nitrate explosives. In 1945, Line 1 was cleaned and placed in extended storage status. In 1947, operations at Line 1 resumed under the authority of the AEC. Existing Line 1 buildings were modified, and new facilities were constructed to support the additional weapons production operations.

The AEC operated Line 1 for the assembly of weapons from 1947 to 1975. During this period, a number of buildings were used in the production of baratol (a 75:25 mixture of barium nitrate and TNT), boracitol (boric acid and TNT), TNT, Composition B (TNT and cyclotrimethylenetrinitramine, also known as royal demolition explosive [RDX]), and cyclitol (RDX and TNT) (USEPA et al. 2006). In January 1950, ortho- and para-nitrotoluene were introduced during the melting process to prevent outer component cracks (TN&A 2002). In 1953, anthracene was introduced as an anti-cracking agent in Composition B. In addition, several Line 1 buildings were used for shipping and receiving raw materials used in assembling ordnance. In 1975, the AEC turned operations of Line 1 back over to the U.S. Army, which began the production of artillery ammunition (TN&A 2002).

2.3.3.2 *West Burn Pads Area South of the Road*

The WBPS was used by the U.S. Army from 1949 to 1982 for the flashing of metals contaminated with explosives until the Explosive Waste Incinerator was built. Approximately 46,000 yd³ of soil from the area were excavated to depths exceeding 4 ft by the U.S. Army in 2000. After completion of this removal action, an area of potentially contaminated soil located across the road that served as the WBPA's southern boundary was discovered. The newly discovered portion of the WBPA (i.e., the WBPS) was designated as a FUSRAP area when it was determined that the area had been used by both the U.S. Army and the AEC (U.S. Army 2013).

2.3.4 **Initial Response**

Two response actions were conducted at Line 1 prior to the transfer of Line 1 to the FUSRAP by agreement in the 2006 IAAAP FFA. In 1995, 11 sumps and associated contaminated soil were removed. In May 2000, 600 yd³ of material were removed from the Line 1 North Sump Area, located at Building 1-05-2. All of this material was placed in the Trench 6 Soil Repository for final disposal (Environmental Chemical Corporation 2001).

No response actions were conducted within the WBPS prior to the remedial actions initiated under the OU-1 Final ROD.

2.3.5 **Basis for Taking Action**

The basis for the remedial action at OU-1 is stated in the OU-1 Final ROD (USACE 1998a) as follows:

Actual or threatened releases of hazardous substances from this site, if not addressed by implementing the response action selected in this Record of Decision, may present an imminent and substantial endangerment to the public health, welfare, or the environment.

Hazardous substances were detected at concentrations above health-based screening values in surface and subsurface soil at Line 1 and at the WBPS. The constituents found at concentrations that exhibit

an unacceptable level (i.e., an excess cancer risk [ECR] or noncancer hazard index [HI]) were identified as contaminants of concern (COCs). The COCs defined for OU-1 include the following:

- Explosives (primarily RDX and 2,4,6-TNT),
- Metals (predominately lead),
- Semi-volatile organic compounds (SVOCs) (primarily polycyclic aromatic hydrocarbons [PAHs]), and
- Polychlorinated biphenyls (PCBs).

The 1996 baseline risk assessment (BRA) (i.e., *Remedial Investigation/Risk Assessment, Iowa Army Ammunition Plant* [RI/RA Report] [JAYCOR 1996]) identified the on-site worker and off-site resident as potential receptors with an unacceptable ECR and noncancer HI based on possible incidental ingestion and dermal contact with contaminated soil under the current and future industrial land use scenarios (JAYCOR 1996). The BRA also identified unacceptable ECR and noncancer HI associated with potential consumption of contaminated ground water on site. Contaminated soil was determined to be acting as a source of ground-water contamination at unacceptable levels (JAYCOR 1996). The 2004 *Baseline Ecological Risk Assessment (BERA), Iowa Army Ammunition Plant, Middletown, Iowa* (BERA) (USACE 2004) concluded that potential ecological risks occur in some areas of the IAAAP and that soil remediation to address human health would also address areas where ecological risks could exist.

2.4 REMEDIAL ACTIONS

2.4.1 Remedy Selection

The remedial actions at Line 1 and the WBPS were implemented by the USACE in accordance with the OU-1 IROD (U.S. Army Environmental Center 1998), the OU-1 Final ROD (USACE 1998a), and several Explanation of Significant Differences (ESD) documents (USEPA 2003a; Tetra Tech 2006b, 2008, 2009, 2011b; Leidos 2018). No immediate threats to human health or the environment were identified for Line 1 or the WBPS; therefore, no interim removal actions, non-time critical or time critical, were conducted.

2.4.1.1 Remedial Action Objectives

Remedial action objectives (RAOs) for a selected remedy are defined based on the COCs, the potential receptors and exposure scenarios, human health and ecological risks, and the federal and state regulations defined as applicable or relevant and appropriate requirements (ARARs). The planned future industrial (military) land use also factors into the development of the RAOs.

The OU-1 Final ROD does not clearly define the RAOs for the remedy. It includes a general statement that the RGs were developed to “satisfy the remedial action objectives for the protection of human health and the protection of groundwater” (USACE 1998a). The RAOs for OU-1 are defined as follows in the *Explanation of Significant Differences for the Final Record of Decision (ROD) Soils Operable Unit 1 (OU-1) Change of Primary Treatment Technology From Biological to Alkaline Hydrolysis Chemical Treatment for Iowa Army Ammunition Plant, Middletown, Iowa* (2009 OU-1 ROD ESD):

- the prevention of onsite workers and visitors from ingestion of site-specific COCs present in the soil medium, and
- the protection of onsite workers from ingesting ground water that contains COCs that have migrated from the soil medium to the shallow aquifers (Tetra Tech 2009).

As noted in the 2009 OU-1 ROD ESD, although the OU-1 Final ROD did not explicitly address ecological risks, the environmental protectiveness was addressed in the *Explanation of Significant Differences for the Interim Action Record of Decision (IROD) Soils Operable Unit (OU-1) Addition of Environmental Protectiveness to the Remedy and Transfer of Sites from OU-4 to OU-1 for Iowa Army Ammunition Plant, Middletown, IA* (2008 OU-1 IROD ESD) (Tetra Tech 2008).

In order to meet the RAOs, soil RGs were defined for the COCs to reduce ECRs to human health, for ground-water protection, and for protection of ecological receptors. The OU-1 RGs are the maximum allowable concentrations of the COCs that may remain in surface and subsurface soil at the OU-1 areas to ensure protection of human health and the environment. The soil RGs were used to delineate the excavation areas at Line 1 and the WBPS and to verify residual soil concentrations at excavated areas prior to backfilling.

The RGs for OU-1 are presented in Table 2-2. Soil RGs were defined for the following COCs: explosives, metals, PAHs, and total PCBs. The RGs were calculated for COCs associated with cancer effects based on a target excess cancer risk (TECR) level of 1E-06 (which represents the lower limit of the USEPA’s TECR range of 1E-06 to 1E-04) for possible incidental ingestion exposures under an industrial land use scenario. Similarly, RGs were calculated for COCs associated with noncancer effects based on a target HI of 1 for possible incidental ingestion exposures under an industrial land use scenario.

In addition to risk-based soil RGs for the protection of human health from cancer and noncancer effects, the potential impact to ground water from residual RDX and 2,4,6-TNT contamination in soil was also evaluated. The Summers model was used to estimate the RDX and 2,4,6-TNT concentrations in soil that could produce a ground-water concentration of 2 ppb for either explosive. These site-specific “leaching” RGs or ground-water protection RGs are 1.3 mg/kg for RDX and 47.6 mg/kg for 2,4,6-TNT.

Table 2-2. Soil Remediation Goals and Ecological Critical Concentrations for Line 1 and West Burn Pads Area South of the Road

Contaminant Type	COC	OU-1 ROD RGs ^a (mg/kg)	Eco CC ^b (mg/kg)	
			Line 1	WPBS
Metals	Antimony	816	1,161	8,557
	Arsenic	30	156	1,150
	Barium	4,100 ^c	2,520	18,567
	Beryllium	5	---	---
	Cadmium	1,000	77.4	570
	Chromium VI	10,000	---	---
	Cobalt	---	743	5,476
	Copper	---	2,444.73	2,444.73
	Lead	1,000 ^d	11,706	86,253
	Manganese	---	21,987	162,010
	Mercury	---	1.86	13.7
	Nickel	---	3,097	22,818
	Selenium	---	1.61	11.9
	Silver	---	91.7	676
	Thallium	143	19.1	67.5
Vanadium	---	1,774	13,069	

Table 2-2. Soil Remediation Goals and Ecological Critical Concentrations for Line 1 and West Burn Pads Area South of the Road (Continued)

Contaminant Type	COC	OU-1 ROD RGs ^a (mg/kg)	Eco CC ^b (mg/kg)	
			Line 1	WPBS
PAHs	Benzo(a)anthracene	8.1	---	---
	Benzo(a)pyrene	0.81	---	---
	Benzo(b)fluoranthene	8.1	---	---
	Dibenz(a,h)anthracene	0.81	---	---
PCBs	Total PCBs	10	---	---
	Aroclor-1254	---	1.14	8.39
	Aroclor-1260	---	1.14	8.37
	Dieldrin	---	0.035	0.25
Explosives	1,3-Dinitrobenzene (DNB)	---	0.31	2.29
	1,3,5-Trinitrobenzene (TNB)	102	---	---
	2,4-Dinitrotoluene (DNT)	8.7	---	---
	2,4,6-TNT	47.6 ^e	3.55	26.2
	RDX	1.3 ^e	25.6	189
	High Melting Explosive (HMX)	51,000	15.2	112

^a Risk-based human health RGs were established based on a TECR of 1E-06 or a target HI of 1 based on ingestion exposures under an industrial scenario (U.S. Army Environmental Center 1998).

^b Ecological critical concentrations (Eco CCs) were defined in the FUSRAP RD/RAWD (USACE 2008b).

^c RG for barium at the WBPS only (Tetra Tech 2011b).

^d Based on the "PRG Screen Model" rather than a risk-based calculation (U.S. Army Environmental Center 1998) because lead is not definitively considered to be a potential carcinogen or noncarcinogen.

^e RGs for 2,4,6-TNT and RDX are the site-specific "leaching" concentrations (Summers model) for ground-water protection based on the lifetime health advisory limit (HAL) of 2 ppb for each explosive as compared to the risk-based human health RGs of 196 and 53 mg/kg, respectively, for ingestion (USACE 1998a).

Note:

--- Indicates that a RG was not established for that parameter.

During remedial actions at the WBPS, barium was found in excavated soil at concentrations that exceeded the land disposal restriction (LDR). USACE developed a site-specific RG for barium-only contaminated soil at the WBPS based on ground-water protection because it was the more stringent value than the human health direct contact-based risk or ecological risk-based values (Table 2-2). The technical approach for the development of the barium RG is described in the *Explanation of Significant Differences for the Final Record of Decisions (ROD) Soils Operable Unit (OU-1) Addition of Soil Volume, Site-Specific Remedial Goal for Barium, and Offsite Disposal of Contaminated Soil for Iowa Army Ammunition Plant, Middletown, Iowa* (2011 OU-1 ROD ESD) (Tetra Tech 2011b).

The 2008 OU-1 IROD ESD (Tetra Tech 2008) added the requirement to assess the potential ecological risks from contaminated soil at the IAAAP and to excavate additional soil, as necessary, to protect ecological receptors. The ecological critical concentrations (Eco CCs) were estimated for the Indiana bat (a federally endangered species that roosts at the IAAAP) in Section 3.2 of the *Iowa Army Ammunition Plant Line 1 and West Burn Pads Area South of the Road FUSRAP Remedial Design/Remedial Action Work Description* (FUSRAP RD/RAWD) (USACE 2008b). The Eco CCs are also presented in Table 2-2. The Eco CCs were used in addition to the human health and ground-water protection RGs during remedial design (RD) to determine soil excavation boundaries at Line 1 and the WBPS.

2.4.1.2 Remedy Components

Remedial actions at OU-1 (Line 1 and the WBPS) were implemented pursuant to the OU-1 IROD (U.S. Army Environmental Center 1998), the OU-1 Final ROD (USACE 1998a), and the subsequent ESD documents (USEPA 2003a; Tetra Tech 2006b, 2008, 2009, 2011b).

The OU-1 IROD (U.S. Army Environmental Center 1998) required excavating and temporarily stockpiling the most highly contaminated soil (explosives-contaminated soil with a cumulative ECR greater than $1E-05$) on-site at Trench 7 of the Inert Disposal Area (IDA) for future treatment and disposal. The OU-1 IROD also included solidification/stabilization (S/S) of contaminated soil containing metals exceeding LDR criteria. The permanent on-site disposal facilities identified in the OU-1 IROD included the Soil Repository (Trench 6) or Inert Landfill at the IDA. In 2006, the *Explanation of Significant Differences Deletion of Radiological Contaminants from the Interim Record of Decision (IROD) Soils Operable Unit (OU-1) for Iowa Army Ammunition Plant, Middletown, IA* (2006 OU-1 IROD ESD) (Tetra Tech 2006b) required removal of the soil RGs for radionuclides actinium (Ac)-228, bismuth (Bi)-214, and potassium (K)-40. The soil RGs for these three radionuclides were removed because levels identified in soil at the proposed remediation areas were consistent with the background concentrations and no release of these radiological constituents had been established.

The OU-1 Final ROD (USACE 1998a) defined the treatment methods (prior to disposal) for the most highly contaminated soil that was temporarily being stored in Trench 7 at the IDA as a result of the OU-1 IROD. The treatment processes for excavated soil, as defined by the OU-1 Final ROD, follow:

- Explosives-contaminated soil with ECR levels above $1E-05$, or that fail LDR criteria, would be treated on-site using low temperature thermal desorption (LTTD) with biological treatment selected as the contingency treatment;
- Explosives-contaminated plus metal-contaminated soil exceeding the LDRs would be treated with S/S with activated carbon prior to disposal at the on-site soil repository; and
- SVOC-contaminated soil would be shipped for off-site disposal as non-hazardous waste at a USEPA-approved, permitted commercial waste facility.

Between 2003 and 2011, several ESD documents to the OU-1 Final ROD were prepared in accordance with USEPA guidance (USEPA 1999a). These ESD documents identified several post-ROD modifications. In 2003, the *Explanation of Significant Differences for the Final Record of Decision (ROD) for the Soils Operable Unit (OU-1)* (2003 OU-1 ROD ESD) (USEPA 2003a) included the following modifications to the ROD:

- Biological treatment of explosives-only contaminated soil became the preferred remedy due to safety and performance considerations resulting from the LTTD treatment process;
- Treatment of metals-only contaminated soil by S/S became necessary based on the volume of barium-contaminated soil found at the WBPA; and
- The revised remedy for soil contaminated with explosives-plus-metals incorporated a two-step process of biological treatment of explosives and S/S treatment of metals.

The 2009 OU-1 ROD ESD (Tetra Tech 2009) required the following:

- changing the treatment of explosives-contaminated soil to alkaline hydrolysis as it provides a more effective treatment, and
- changing the treatment of explosives- and metals-contaminated soil to alkaline hydrolysis followed by S/S.

The 2011 OU-1 ROD ESD (Tetra Tech 2011b) required the following:

- A site-specific RG for barium at the WBPS as a result of a significant volume of barium-contaminated soil encountered during remedial activities; and
- Off-site treatment and disposal of all remaining Line 1 and WBPS soil to address the fact that the on-site facilities were approaching capacity and no longer available.

The 2018 OU-1 ROD ESD (Leidos 2018) documented the following.

- LUCs were established as the long-term component necessary to provide overall protectiveness of human health and the environment for soil at OU-1 areas.
- Off-site treatment and disposal of any remaining contaminated soil that may require removal at OU-1 areas is allowed.
- The addition of the Fire Training Pit Area of the IAAAP to OU-1.

The major components of the remedy for OU-1 (Line 1 and the WBPS), as defined in the OU-1 Final ROD (USACE 1998a) and in the subsequent ESD documents, are summarized in Table 2-3.

Table 2-3. Major Components of the Remedy for OU-1 (Line 1 and WBPS)

Excavation of soil with COC concentrations exceeding RGs
Evaluation of excavated soil areas to Eco CCs to ensure protectiveness for ecological receptors
Segregation of contaminated soil according to contaminant type and risk level
Temporary storage of highly contaminated soil with risk levels above 1E-05, or that fail LDR criteria, in the designated Corrective Action Management Unit (CAMU) (Trench 7), plus <ul style="list-style-type: none"> • Treatment of explosives-only contaminated soil by alkaline hydrolysis, and • Treatment of contaminated soil containing metals exceeding LDR criteria by S/S
Permanent disposal of explosives-contaminated and/or metals-contaminated soil excavated and treated (if required) prior to August of 2010 in the on-site Soil Repository (Trench 6) and after August of 2010 at an off-site disposal facility
Transport of PCB- and SVOC-contaminated soil to an off-site treatment and disposal facility
Site restoration
Implementation and maintenance of land use controls (LUCs).

2.4.2 Remedy Implementation

The remedial activities conducted at Line 1 and the WBPS are described in the FUSRAP RD/RAWD (USACE 2008b). A Draft Final FUSRAP RD/RAWD (USACE 2008b) was issued on August 1, 2008. The FUSRAP RD/RAWD was amended with the *Iowa Army Ammunition Plant Line 1 and West Burn Pads Area South of the Road, FUSRAP Remedial Design/Remedial Action Work Description Line 1 Waste Line Addendum* (FUSRAP RD/RAWD Addendum) (USACE 2011b) on July 29, 2011, and with the *Line 1 Design Investigation of Potential Contaminated Sources and Pathways Summary and Findings* (USACE 2012) on August 1, 2012.

In order to facilitate the design and management of remedial activities at Line 1 and the WBPS, identifiers were used for each excavation area. Exposure Units (EUs) for Line 1 and the WBPS were delineated in the *Remedial Investigation Work Plan for Line 1, Firing Sites Area, Yards C, G, and L, Warehouse 3-01, and the West Burn Pads Area South of the Road* (FUSRAP RI WP) (USACE 2007). An EU is defined as a geographic area in which a future receptor is assumed to work and where a receptor may be exposed to COCs. Line 1 was segregated into 12 separate EUs, identified as EU1 through EU12 (Figure 5). Of the 12 distinct EUs delineated in Line 1, 9 EUs were contiguous areas generally encompassing a complex of buildings used for similar activities. The 3 scattered EUs represented storage magazines and bunkers; electrical transformers and

substations; and fuel storage and vehicle maintenance areas. Most EUs were then further subdivided into excavation areas and designated with a letter identifier (e.g., EU3-A, EU3-B). The WBPS was defined as one EU in the FUSRAP RI WP, and six separate excavation areas identified as A through F (Figure 6) were defined in the FUSRAP RD/RAWD (USACE 2008b). During excavation at the WBPS, the three separate areas identified as excavation areas D, E, and F were merged together into one large excavation area then designated as the DEF. The locations of each excavation area at Line 1 and the WBPS are shown on Figures 5 and 6, respectively.

Soil with COC concentrations exceeding the site-specific RGs were excavated based on the delineation of contaminated material as presented in the FUSRAP RD/RAWD (USACE 2008b). Soil with COC concentrations exceeding the RGs was detected in 8 of the 12 EUs at Line 1. COCs included explosives, metals, PCBs, and PAHs. The primary contaminants were RDX, 2,4,6-TNT, and lead. EU2, EU10, EU11, and EU12 and their respective subareas did not require remediation (Figure 5). Once the areas to be excavated were determined based on the application of soil RGs, an evaluation based on a comparison with the Eco CCs was performed to determine areas within Line 1 and the WBPS that may require additional soil removal for protection of ecological receptors. No new areas for additional soil removal based on the Eco CCs were identified.

In general, contaminated soil at Line 1 and the WBPS was excavated and subsequently transported to the on-site IDA or to a USEPA-approved, off-site, permitted, commercial waste treatment and disposal facility. After the excavation was advanced to the design limits, soil samples for verification were collected from the excavation sidewalls and floor. If the soil samples showed contamination remained at concentrations exceeding the RGs, additional soil was removed and verification sampling was repeated along the new excavated surface.

Beginning in 2009, a water treatment system dedicated for use at Line 1 and the WBPS was established. Storm water or infiltrated ground water that entered contaminated excavations was treated prior to discharge using the water treatment system. A total of 1,287,472 gallons of water were treated with the temporary water treatment system and discharged into the storm-water system. Each batch of water treated met the IAAAP's discharge criteria (RDX less than 2 ppb) (SEC 2014).

The following subsections summarize the primary remediation activities conducted for Line 1 and the WBPS, including excavation; on- and off-site treatment, transport, and disposal of wastes; and site restoration.

2.4.2.1 Excavation at Line 1

Excavations at Line 1 began in October 2008 and backfill was completed by October 2013. Figure 5 identifies the EU boundaries and excavation areas at Line 1. A total of 37 areas within 8 EUs were proposed for remediation in the FUSRAP RD/RAWD. Overall, the final boundaries of the excavation areas were as defined in the FUSRAP RD/RAWD and the supplemental design documents, with a few exceptions. The majority of the excavations were conducted to eliminate the health risks associated with the presence of explosives-contaminated soil.

During the implementation of remedial actions at Line 1, numerous sections of the aboveground contaminated waste water lines historically used to convey explosive wastes were discovered to have been cut or left open, potentially allowing material that contained explosives to contaminate the soil below. In 2010 and 2011, additional soil samples were collected along the waste line at regularly spaced intervals as well as at biased locations at the cuts/open areas (USACE 2010). Sample results indicated that explosives-contaminated soil in excess of RGs was present. The FUSRAP RD/RAWD Addendum (USACE 2011b) was prepared in 2011 to document the

excavation boundaries for the 7 additional areas (EU4-F, EU6-B, EU6-C, EU6-D, EU7-E, EU7-F, and EU9-B-D) that were excavated at Line 1 (USACE 2011b).

In 2011, additional information was received regarding trough lines, clarifiers, sumps, and other process equipment previously used to route wastewater at Line 1. After a historical review of drawings and prior sampling activities associated with the waste lines, additional soil samples were collected in 2012 around clarifiers, sumps, and water troughs. The sampling results indicated the presence of explosives in concentrations exceeding the RGs at five new areas at Line 1. These areas were designated as EU5-N, EU5-O, EU5-P, EU5-Q, and EU9-B-E (USACE 2012) and were also excavated at Line 1 during remedial actions.

An ad hoc field investigation was performed in July 2012 to determine the potential presence of RDX in a drainage swale that conveyed surface water. Based on the results of the field investigation, an additional excavation, EU5-Q North, was identified for remediation as part of the RAs at Line 1 (SEC 2014).

Soil was excavated from 8 EUs and 50 separate excavation areas at Line 1. In general, the excavations at Line 1 progressed slowly because of several logistical challenges (e.g., muddy conditions, the presence of utilities at Line 1 that required hand digging, and the need to access excavations beneath building walkways). Some of the excavations were not accessible to large equipment and trucks, so excavated soil and backfill material had to be hauled to open areas by Bobcat or conveyor. On some occasions, the remedial action contractor had limited access to Line 1 because of production work being performed at the site by the civilian contractor AO.

Overall, the verification results at Line 1 indicate that soil concentrations for the COCs were significantly reduced as a result of remedial action. Table 2-4 summarizes the maximum concentrations detected in verification samples in the inaccessible soil areas at Line 1. For explosives COCs, the residual soil concentrations at all Line 1 excavations met the risk-based RGs and the ground-water protection RGs except for RDX at six excavation areas. The RGs for RDX were not achieved because the soil was inaccessible due to the presence of buildings or other structures. Of the six areas, only one (EU7-E) exceeded the RDX RG for human health risks associated with ingestion.

Table 2-4. Inaccessible Soil and PAH-Containing Sources Areas at Line 1

EU	Excavation Area	Contaminant Type	COC	Soil RG/Eco CC (mg/kg) ^a	Maximum Concentration from Verification (mg/kg)	Structure in Place
1	A	PCBs	Aroclor-1260	1.14	2.2	Transformer Pad
3	C	PAHs	Benzo(a)pyrene	0.81	1.2	East of Building 1-04; Northeast Wall
3	D	PAHs	Benzo(a)pyrene	0.81	2.9	Active Transformer Pad east of Building 1-04

Table 2-4. Inaccessible Soil and PAH-Containing Sources Areas at Line 1 (Continued)

EU	Excavation Area	Contaminant Type	COC	Soil RG/Eco CC (mg/kg) ^a	Maximum Concentration from Verification (mg/kg)	Structure in Place
4	A	PAHs	Benzo(a)anthracene	8.1	62	Southwest of Building 1-61; Southwest of building with coal tar roof, adjacent to roadway, Floor of excavation
			Benzo(a)pyrene	0.81	43	
Benzo(b)fluoranthene	8.1	46				
	B	PAHs	Benzo(a)pyrene	0.81	2.1	Southeast of Building 1-61; Northeast of building with coal tar roof. Along concrete slab for building ventilation system
5	A	PAHs	Benzo(a)pyrene	0.81	1.4	Along Active rail line north of 1-05-2; West Wall of excavation
5	E (south)	Explosives	RDX	1.3	1.7	West of 1-04-02; Floor of excavation was below ground-water level
5	F	PAHs	Benzo(a)pyrene	0.81	^b	East of Building 1-207-2 1-05-1E tunnel roof northwest area with roof material below ground surface
			Dibenzo(a,h)anthracene	0.81	^b	
5	H	PAHs	Benzo(a)pyrene	0.81	4.3	West of Building 1-60 Active rail line
5	I	PAHs	Benzo(a) anthracene	8.1	46	West of Building 1-82-16 and active rail line
			Benzo(a)pyrene	0.81	63	
			Benzo(b)fluoranthene	8.1	75	
5	P	Explosives	RDX	1.3	1.9	Northwest of Building 1-155-1
6	A	Explosives	RDX	1.3	2.2	Blast Berm North of Building 1-10
7	D	Explosives	RDX	1.3	7.3	West of Building 1-75; Pier Foundation for Active Steam Line along West Wall
7	E	Explosives	RDX	1.3	200	West of Building 1-12; near walkway Building 1-82-3 foundation
8	A	PAHs	Benzo(a)pyrene	0.81	1.2	North of Building 1-13; Along building foundation Building 1-82-7
8	B	PAHs	Benzo(a)pyrene	0.81	4.5 ^c	East of Building 1-13; Blast Shield (wood ties)
			Dibenzo(a,h)anthracene	0.81	3.7 ^c	
8	C	PAHs	Benzo(a)pyrene	0.81	4.8	West of Building 1-13; Active rail line

Table 2-4. Inaccessible Soil and PAH-Continuing Sources Areas at Line 1 (Continued)

EU	Excavation Area	Contaminant Type	COC	Soil RG/Eco CC (mg/kg) ^a	Maximum Concentration from Verification (mg/kg)	Structure in Place
9B	A	PAHs	Benzo(a)anthracene	8.1	11	Northwest corner of Building 1-71
			Benzo(a)pyrene	0.81	11	
			Benzo(b)fluoranthene	8.1	11	
	B	Explosives	RDX	1.3	93	Filter bed at Building 1-70
		2,4,6-TNT	3.55	7		
9C	A	PAHs	Benzo(a)anthracene	8.1	30	Building 1-82-51B; east side
			Benzo(a)pyrene	0.81	27	
			Benzo(b)fluoranthene	8.1	28	
	B	PAHs	Benzo(a)pyrene	0.81	1.1	Building 1-52-B and 1-82-51A

^a The comparison values presented in the Soil RG/Eco CC column represent the lowest of the of the human health RG, ground-water protection RG, and the Eco CC available for each COC, as previously presented in Table 2-2.

^b Verification samples not collected due to underground tar roof at the floor of the excavation.

^c PAH-contaminated soil was not excavated due to the presence of continuing PAH sources; value represents concentrations from characterization.

At six excavations, the RG for RDX was not achieved because the presence of existing structures (e.g., building foundations, roads, railroads, etc.) limited the extent of excavation. These areas located at EU5-E South, EU5-P, EU6-A, EU7-D, EU7-E, and EU9B-B were defined as inaccessible soil areas. Inaccessible areas were demarcated with geotextile fabric and excavation was backfilled (SEC 2014). At one additional area (EU1-A), the residual soil concentrations of Aroclor-1260 did not meet the Eco CC. Additional excavation was impeded by the presence of concrete foundations for the transformer substation. Inaccessible soil is discussed in Section 2.4.2.5.

At 14 Line 1 excavation areas (EU3-C, EU3-D, EU4-A, EU4-B, EU5-A, EU5-F, EU5-H, EU5-I, EU8-A, EU8-B, EU8-C, EU9B-A, EU9C-A, and EU9C-B), the risk-based RGs could not be met for the PAH-contaminated soil. These areas were excavated to the limits specified in the FUSRAP RD/RAWD, except at EU8-B where no excavation was conducted (USACE 2008b). Excavation was terminated or not initiated at these areas because continuing sources of PAH contamination (coal tar building roofs, pre-1980 treated wood [cross ties], and asphalt/pitch and oil roads and parking lots) were identified at each area. At some locations, the presence of existing structures limited the extent of excavation.

At EU8-B in Line 1, where excavation was planned to remove PAH-contaminated soil, the excavation was not initiated because it was adjacent to a blast berm. It was determined that pre-1980 treated wood (cross ties) used as part of the blast berm were a continuing source of PAHs. Excavation to remove RDX-contaminated soil at two of the Line 1 areas, EU4-D and EU5-L, was proposed in the FUSRAP RD/RAWD (USACE 2008b) but not conducted. The FUSRAP RI data results from these areas were reported as non-detects but with a reporting limit of 2 mg/kg versus the RG of 1.3 mg/kg for RDX. Subsequent soil sampling and analysis at lower detection limits (DLs) indicated that the soil concentration was below the RG for RDX.

The total volume of soil excavated from Line 1 and transported to on-site and off-site disposal facilities was 25,337 tons, consisting of 92 percent explosives-contaminated soil, 7 percent PAH-contaminated soil, and only a fractional volume of metals- or PCB-contaminated soil.

2.4.2.2 *Excavation at the West Burn Pads Area South of the Road*

Excavation activities at the WBPS began in October of 2008 and were completed in September 2010. Excavation was conducted at four areas of the WBPS, primarily to reduce risk associated with explosives-contaminated soil. Additional small areas of lead contamination also required removal. A total of approximately 25,336 tons of soil was removed from the WBPS and disposed of at both on-site and off-site disposal facilities. The majority of the soil excavated at the WBPS was barium-contaminated soil (52 percent) or explosives-contaminated soil (47 percent). Only a small area required remediation due to lead contamination. A small volume of explosive-contaminated soil excavated from WBPS-D1 and WBPS-E1 required treatment at Trench 7. No inaccessible soil areas remain at the WBPS.

The RD estimated removal of 3,256 in-situ yd³ of contaminated soil from the WBPS. Excavations were not expected to exceed a depth of 8 ft below ground surface (bgs) (USACE 2008b). However, the excavated soil from the DEF area exceeded the LDR for barium and/or met the definition of hazardous waste, resulting in an increased volume of soil (approximately 15,800 in-situ yd³) that required excavation, treatment as necessary, and disposal. Excavation at the DEF extended to the depth of bedrock (approximately 11.5 ft bgs).

Initially, the excavation process was slow because of required unexploded ordnance (UXO) oversight. Explosive soil (soil greater than 20 percent by weight of explosives) was anticipated at the WBPS. During the remediation activities at the WBPS, the excavations at WBPS-B and WBPS-C were conducted in one phase and no building structures were encountered. During remediation of WBPS-A, a former building foundation and a concrete slab were encountered.

2.4.2.3 *On- and Off-Site Treatment, Transport, and Disposal*

Excavated soil was directly loaded into trucks staged within the exclusion zone for shipment, or, when necessary, transported to an auxiliary exclusion zone at a truck staging area or stockpile. Contaminated soil hauled to an auxiliary exclusion zone was conveyed in a covered container, and equipment buckets containing contaminated soil were covered with plastic sheeting while traveling between exclusion zones. Truck staging areas and stockpiles were underlain with plastic sheeting to prevent the spread of contamination. Stockpiles were covered with plastic sheeting during inactive periods.

All excavated soil was segregated according to contaminant type and concentration in order to address treatment and disposal requirements. The SVOC-contaminated (i.e., PAHs) soil and the PCB-contaminated soil were to be treated, as required, and disposed of at an off-site disposal facility. Explosive-contaminated and/or metals-contaminated soil at concentrations with a cumulative ECR greater than 1E-05 or that exceeds the LDRs were required to be treated prior to on-site disposal.

The on-site Soil Repository (Trench 6) at the IDA was designated for disposition of explosives- and metals-contaminated soil with a cumulative ECR between 1E-05 and 1E-06 and for disposal of treated soil from Trench 7 of the IDA.

Approximately 15,972 tons of explosives- and metals-contaminated soil from the FUSRAP Line 1 and WBPS excavations were placed in Trench 6, and approximately 390 tons of explosive-contaminated soil exceeding the ECR level of 1E-05 were sent to Trench 7 for treatment prior to on-site disposal (Table 2-5). The FUSRAP RD/RAWD evaluation indicated that no soil exceeded the 1E-05 ECR level for metals and therefore no metals-contaminated soil required treatment at Trench 7. The majority of the soil (69 percent) disposed of at Trench 6 was explosives-contaminated soil from the WBPS.

Explosives-contaminated soil from Line 1 and the WBPS was treated using chemical treatment by alkaline hydrolysis in accordance with the 2009 OU-1 ROD ESD (Tetra Tech 2009). The explosive-contaminated soil treated by alkaline hydrolysis included 54.62 tons from Line 1 excavation areas EU7-A/B-N and EU7-D and 335.19 tons from WBPS areas D1 and E (Table 2-5). Only excavation area EU5-D at Line 1 had both explosives- and metals-contaminated soil. No treatment of the soil was required. Approximately 46 tons of explosives- and metals-contaminated soil from excavation area EU5-D was disposed of at Trench 6 (Table 2-5).

Table 2-5. Disposition of Excavated Soil from Line 1 and the WBPS by Contaminant Type and by Disposal Facility

Contaminant Type	Disposal Facility and Location	Line 1	WBPS
		(Tons)	
Onsite Disposal			
Explosives	Onsite IDA – Trench 6	1,972.36	11,281.65
Metals	Onsite IDA – Trench 6	38.67	2,633.54
Explosives + Metals	Onsite IDA – Trench 6	46.07	0
Explosives greater than 1E-05	Onsite IDA – Trench 7 for Treatment; Trench 6 Disposal	54.62	335.19
Total Onsite by Area		2,112	14,250
Total Volume of Soil Onsite Disposal (tons)		16,362	
Off-Site Disposal			
Explosives less than 500 mg/kg or Barium (no Treatment Required)	Upper Rock Island County Landfill (URICL), East Moline, Illinois	21,193.97	9,879.39
Explosives greater than 500 mg/kg ^a	Environmental Quality Company (EQ)/Wayne Disposal, Inc. (WDI), Belleville, Michigan	148.01	0
PCB		217.08	0
Barium Treatment and Disposal		0	1,206.45
SVOC (PAHs)	Great River Regional Waste Authority (GRRWA), Fort Madison, Iowa	1,775.11 ^b	0
Total Off-Site by Area		23,334	11,086
Total Volume of Soil Off-Site Disposal (tons)		34,420	
Total Volume Excavated and Disposed by Area (tons)		25,446	25,336
Total Volume of Soil Disposed (tons)		50,782	

^a Treated at EQ's WDI, EQ Detroit, Inc., or TSDF Inc. prior to disposal.

^b A total of 1,666.67 tons of PAH-contaminated soil was excavated from Line 1 areas and stored at Trench 7N of the IDA until off-site disposal at the GRRWA. While in interim storage at Trench 7N, light-colored sand was placed as demarcation barrier around the soil. The final load-out of this waste stream, including the contact sand and possibly some additional moisture content, totaled 1,775.11 tons in 2009. The difference between what was tracked as remediated soil and the actual billed disposal weight is 108.44 tons.

Soil with explosive concentrations exceeding 10 percent by weight was found at EU7-A/B North near Building 1-12. A munitions and explosives of concern (MEC) response action was implemented to treat the soil using alkaline hydrolysis to reduce the explosive concentrations to less than 5 percent by weight (USACE, SEC, and URS Group 2014). The MEC soil was delineated using visual evidence (i.e., soil staining). In-situ remediation using the mechanically enhanced lime treatment (MELT) process and removal of treated soil was used to manage the relatively small area and volume of MEC soil. Details of the MELT process at EU7A/B North are provided in the *Site-Specific Final Report MEC Response Action at Line 1* (USACE, SEC, and URS 2014). Following treatment, characterization samples were collected from the treated soil to ensure explosive concentrations were less than 10 percent by weight. Additionally, a target concentration of less than 5 percent by weight was required for the soil to be disposed at the off-site RCRA Subtitle C landfill. The analytical results for the treated soil samples ranged from a maximum of 2.2 percent to 0.04 percent (USACE, SEC, and URS 2014).

Following the MELT process, approximately 20 bank yd³ of treated soil was removed and stockpiled prior to transport and disposal. Confirmation samples were collected from the walls and floors of the

excavated area after treated soil was removed and analyzed for total explosive concentrations, with the analytical results ranging from 1.5 to 0.004 percent (USACE, SEC, and URS 2014). Remedial actions at EU7A/B North continued and after all soil was excavated, verification samples were collected from the walls and floor of the excavation.

From the start of excavation at Line 1 and the WBPS until June 2009, explosives-contaminated and/or metals-contaminated soil was treated, as required, and disposed of at Trench 6. In June 2009; however, the IDA began approaching its maximum capacity and was essentially no longer available as a disposal site for any soil excavated from the WBPS or Line 1 under the FUSRAP. Trench 7 was also no longer available for treatment of contaminated soil because the U.S. Army planned to excavate Trench 7 as part of the IDA closure plans (Tetra Tech 2008). The discovery of barium-contaminated soil at WBPS in 2008 also increased the expected volume of soil requiring excavation and disposal. These combined conditions resulted in the decision to transport all remaining soil excavated at Line 1 and the WBPS after August of 2010 to off-site facilities for treatment (as required) and permanent disposal in accordance with the 2011 OU-1 ROD ESD (Tetra Tech 2011b).

Three off-site disposal facilities were used for treatment and disposal of approximately 34,420 tons of excavated soil from Line 1 and the WBPS. In accordance with the FUSRAP RD/RAWD, all SVOC-contaminated and PCB-contaminated soil was disposed off-site. Approximately 217 tons of PCB-contaminated soil from Line 1 were classified as Class 9 Environmentally Contaminated Waste and were submitted for direct disposal at the Environmental Quality Company (EQ)/Wayne Disposal, Inc. (WDI) Subtitle C landfill in Belleville, Michigan.

Approximately 1,775 tons of PAH-impacted waste were transferred to Great River Regional Waste Authority (GRRWA) in Fort Madison, Iowa. The SVOC-contaminated soil met the criteria for use as alternative cover at GRRWA. This volume included approximately 1,667 tons of excavated soil from Line 1 and 108 tons of sand used as demarcation of the PAH-contaminated soil that were temporarily stored at Trench 7N prior to shipment of soil to an off-site disposal facility. No SVOC or PCB-contaminated soil was excavated from the WBPS.

Approximately 90 percent of the contaminated soil (29,142 tons) shipped off-site from Line 1 and the WBPS was explosives-contaminated soil with RDX concentrations less than 500 mg/kg. It met the LDRs and did not require treatment at the disposal facility to meet the waste acceptance criteria. This soil was disposed of at Upper Rock Island County Landfill (URICL) in East Moline, Illinois. The remaining volume (approximately 148 tons) of explosives-contaminated soil from Line 1 with RDX concentrations greater than 500 mg/kg was transported to EQ/WDI, a Subtitle C landfill, for treatment prior to disposal. Approximately 14 tons of this volume was explosives-contaminated soil from MEC actions at Line 1 EU7A/B North. Barium-contaminated soil from the WBPS was classified as Class 9 Environmentally Contaminated Waste and was also submitted for treatment with subsequent final disposal at the EQ/WDI Subtitle C landfill facility.

Waste was transported along established haul roads approved by the USACE and the IAAAP. In instances in which public roads were utilized as part of the haul route, the USACE applied for required over-the-road permitting.

2.4.2.4 Site Restoration

Backfilling of the open excavations was conducted using clean soil obtained from four borrow areas located on the IAAAP; the East Burn Pads Area, Building BG-1991 Area, Road I Borrow

Area, and the Line 1 Berm Blast Borrow Area. Each soil borrow area was sampled and verified as a clean soil source prior to use as backfill. Borrow soil sample results for each area were averaged and then compared to the acceptance criteria defined in the FUSRAP RD/RAWD (USACE 2008b).

Following backfilling of an excavation, the areas were restored to pre-remediation conditions or addressed according to agreements between the USACE and the IAAAP. Final grading was completed to blend backfill areas into existing topography.

All constructed access or haul roads were removed following remedial activities or, if existing, restored to their original condition. Other features were restored where removed (i.e., fencing, decks) and comparable surfaces (i.e., asphalt, gravel, and grass seeding with fertilizing) were installed. Temporary fences and barricades were removed after the excavations were backfilled and reused when possible at other areas.

At the WBPS, after backfill, riprap was installed along the bank of the DEF to prevent soil erosion to Spring Creek (Figure 4). During remedial activities, four monitoring wells at the DEF were decommissioned in accordance with Iowa Department of Natural Resources (IDNR) requirements. In concurrence with AO and USACE, four replacement monitoring wells were installed in the vicinity of the previously removed wells to acceptable depths after the area had been cleared and completely restored (SEC 2014).

2.4.2.5 *Status of Remedy Implementation*

Excavation activities followed by site restoration activities were conducted between October 2008 and October 2013 (SEC 2014). At the completion of these activities, a 1-year period of operation and maintenance (O&M) was conducted, followed by pre-final and final inspections. The inspections were conducted by project team members (i.e., USACE and subcontractors) to verify that the completed work conformed to contract requirements. Final inspections were performed at 40 areas at Line 1 and the WBPS on October 15, 2012, by the remedial action contractor, USACE, U.S. Army, and IAAAP. All 40 areas were certified as completed in accordance with project specifications, work plans (WPs), work instructions, and contract delivery requirements. No corrective actions were necessary and therefore these areas were defined as “construction complete.” Final inspections for 3 additional areas at Line 1 were completed on April 14, 2014. These areas were certified complete pending establishment of a vegetative cover. In May 2014, grass covers were established and the 3 areas were certified as complete (SEC 2014). The final inspections were documented and are part of the project files.

In the areas where the soil is inaccessible due to the presence of structures, the soil will remain in place until the soil becomes accessible. Table 2-4 identifies where inaccessible soil areas remain. At the time when soil becomes accessible (due to the renovation or demolition of the structure), soil samples will be collected, as needed, to determine the horizontal and vertical extent of soil with COC concentrations exceeding the RGs. After the extent is determined, contaminated soil will be excavated and disposed of at an approved off-site disposal facility. In the areas where the potential source of contamination (e.g., railroad ties, asphalt, tar roofing material, etc.) is still present, remediation is deferred until after the potential source material is removed. After the source material is removed, the soil will be excavated and disposed of at an approved off-site disposal facility. The completion of the remedial actions for Line 1 and the WBPS will be documented in a Remedial Action Completion Report (RACR).

In order for the remedy to be protective in the long term, LUCs are required to maintain protectiveness under a commercial/industrial land use scenario. Table 2-6 summarizes the planned and existing ICs that are relevant to Line 1 and the WBPS.

Table 2-6. Summary of Planned and/or Implemented ICs

Media	ICs Needed	ICs Called for in Decision Documents	Impacted Parcel	IC Objective	Title of IC Instrument and Date Implemented (or Planned)
Soil	Yes	Access Controls	Entire Installation	Restrict access to Line 1 and the WBPS.	Current: IAAAP perimeter security fence and site security.
			Line 1	Prevent or restrict access to inaccessible soil or continuing sources of contamination at Line 1.	Planned: Formal documentation placing access restrictions and implementation of engineering controls (fences and signs as necessary) and a strategy for addressing areas of inaccessible and continuing sources will be developed.
			Entire Installation	Restrict land use to industrial /commercial land use at Line 1 and the WBPS.	Current: Industrial land use is currently maintained by the presence of the IAAAP. Planned: Formal documentation placing restrictions on future land use at the IAAAP will be developed.
	Yes	Land Use Restrictions	Line 1 and WBPS	Prevent or restrict intrusive activities (excavation, utility work, drilling, construction) in areas with inaccessible soil or continuing sources of contamination at Line 1.	Current: IAAAP procedures (work permits, safety procedures, etc.). Planned: Formal documentation placing restrictions on intrusive activities at OU-1 will be developed.

Industrial land use is currently maintained through the IAAAP’s function as an Army ammunition plant, with its associated security and property access restrictions. Therefore, land use at Line 1 and the WBPS will remain industrial while the IAAAP continues to be under federal control. IAAAP procedures that are currently in place provide the necessary controls to protect plant workers, contractors, and other site visitors from residual contamination at OU-1. The ICs at Line 1 and the WBPS will be maintained subject to the U.S. Army’s Base Master Plan, a contractual arrangement between the U.S. Army and the IAAAP operating contractor, or some other comparable control mechanism (Tetra Tech 2008).

Land use restrictions have not been made permanent. Therefore, long-term LUCs are required to restrict the future land use at the OU-1 areas to commercial/industrial in the event the IAAAP is transferred out of DOD ownership in the future. Appropriate use restrictions will be included in the deed to insure future land use is restricted to commercial/industrial at the OU-1 remediated areas.

In addition to the installation-wide LUCs, area-specific use restrictions will be enacted and documented as part of a future LUC implementation plan. ICs to be implemented at Line 1 and the WBPS will include access restrictions, signs, construction/excavation restrictions, and ground-water usage restrictions. Currently, coordination of digging permits, utility repairs, maintenance, or other site work is accomplished through internal coordination between AO and the IAAAP staff to ensure that workers are aware of and protected from potential environmental

hazards (Tetra Tech 2006a). The ICs will be formally documented in order to prohibit unauthorized intrusive activity within the inaccessible areas and continuing source areas at Line 1 and to ban the use of the ground water as a potable water supply. Signage will also be posted to warn site workers and visitors about the presence of residual contamination at Line 1.

2.4.3 System Operations/Operation and Maintenance

O&M was conducted at each excavation area for a minimum of 12 months following remedial activities at each area. O&M consisted of maintaining adequate ground cover and repair of any erosional areas at the OU-1 areas. An O&M Plan was prepared for inspection and maintenance activities associated with the areas where removal actions occurred. Routine weekly inspections were conducted but decreased in occurrence based on site conditions. Sensitive locations (steep slopes; areas adjacent to drainages) were inspected following large storm events and repaired as necessary. The O&M period for the completed areas ended in May 2014.

2.5 PROGRESS SINCE THE LAST FIVE-YEAR REVIEW

This is the first five-year review by the USACE for the FUSRAP areas. Three five-year reviews have been performed for Line 1 and the WBPS as part of Operable Unit (OU)-1 (Tetra Tech 2006a, 2011b; USACE 2016a). As part of the protectiveness evaluations in these five-year reviews, site inspections were conducted at OU-1, including the FUSRAP areas, and brief summaries of the status of the investigations and remediation activities conducted at the FUSRAP OU-1 areas were also included. Although full five-year review evaluations were not conducted for the Line 1 and WBPS during the prior three five-year reviews for OU-1, the short-term protectiveness of the remedy at the FUSRAP areas in OU-1 was indirectly demonstrated based on the results of the inspections and the similarity in contaminants of concern (COCs), RGs, remedy components, and remedy implementation.

2.6 FIVE-YEAR REVIEW PROCESS

2.6.1 Administrative Components of the Five-Year Review Process

The five-year review process included notifying regulatory agencies, the community, and other interested parties of the start of the five-year review; establishing the five-year review team in consultation with the USEPA, IDNR, and IAAAP (Table 2-7); reviewing relevant documents and data pertaining to the remedial actions conducted over the past 5 years; conducting site inspections; conducting site interviews; and developing/reviewing this Five-Year Review Report. Each of these elements is discussed in the following sections.

Table 2-7. Identification of Five-Year Review Team Members

Name	Agency, Office	Title
Michael L. Kessler	USACE St. Louis District	FUSRAP IAAAP Project Manager
Lt. Col. Stephen T. Koehler	IAAAP	IAAAP Commander
Danny O'Connor	USEPA Region 7	Remedial Project Manager
Daniel Cook	IDNR	Environmental Specialist
Jen Busard	IAAAP	Environmental Program Restoration Manager

2.6.2 Community Notification and Involvement

Community notification that a five-year review is being conducted was accomplished by publishing a public notice in Burlington’s *The Hawk Eye* newspaper on April 9, 2018. A public

notice was also posted on the Mississippi Valley USACE website; posted on the Facebook page on March 1, 2018; and displayed at the Burlington Public Library from March 3 through May 3, 2018. Additionally, the review was also identified during the FUSRAP update presentation at the January 2018 Restoration Advisory Board (RAB) meeting held in Burlington, Iowa.

The final Five-Year Review Report will be available in the administrative repositories at the following locations:

- IAAAP Visitor Reception Area in the IAAAP Administrative Building 100-101, 17571 DMC Highway 79, Middletown, IA 52638-5000;
- Burlington Public Library, 501 North Fourth Street, Burlington, IA 52601; and the
- FUSRAP Project Office, 8945 Latty Avenue, Berkeley, MO 63134-1024.

2.6.3 Document Review

The documents used in this report are listed in Section 4. For this review, site-related documents were retrieved from the following websites:

- the publicly accessible RAB/administrative record website (<http://www.iaaaprestoration.com>) and/or
- the FUSRAP administrative record website (<http://www.mvs.usace.army.mil/Missions/Centers-of-Expertise/Formerly-Utilized-Sites-Remedial-Action-Program/Iowa-FUSRAP-Administrative-Record/>).

2.6.4 Data Review and Evaluation

Soil with COC concentrations exceeding the site-specific RGs were excavated based on the delineation of contaminated material as presented in the FUSRAP RD documents (USACE 2008b, 2011d, 2012). Verification sampling was conducted at the completion of excavation activities at each area to certify whether soil cleanup levels were achieved. The spatial boundaries of the excavation area(s) were used to sample each wall and the floor of the excavation area(s) to determine residual soil concentrations for those COCs that exceeded the site-specific RGs at design. A point-by-point data comparison to RGs was used to demonstrate remedial action completion for each excavation area based on attainment of the RGs. Following comparisons to human health RGs for each excavation area, further verifications were performed through comparisons with Eco CCs. Summaries of the soil verification results as compared to the pre-design investigation (PDI) concentrations for Line 1 and the WBPS are presented in Tables 2-8 and 2-9, respectively.

Table 2-8. Concentrations of Contaminants of Concern in Pre- and Post-Excavation (Verification) Soil Samples Collected at Line 1

Contaminant Type	COC	Soil RG/Eco CC ^a	Maximum Concentration Exceeding RGs in Pre-Excavation Samples ^b	Maximum Concentration Post-Excavation Samples ^c
			(mg/kg)	
Metals	Arsenic	30	38	18.6
	Lead	1,000	2,900	128
PCBs	Aroclor-1260	1.14	5.3	2.2
	Total PCBs	10	28.1 ^d	2.5
Explosives	RDX	1.3	62,000	200
	2,4,6-TNT	3.55	13,000	7.0

Table 2-8. Concentrations of Contaminants of Concern in Pre- and Post-Excavation (Verification) Soil Samples Collected at Line 1 (Continued)

Contaminant Type	COC	Soil RG/Eco CC ^a	Maximum Concentration Exceeding RGs in Pre-Excavation Samples ^b	Maximum Concentration Post-Excavation Samples ^c
			(mg/kg)	
PAHs	Benzo(a)anthracene	8.1	190	62
	Benzo(a)pyrene	0.81	160	63
	Benzo(b)fluoranthene	8.1	110	75
	Dibenzo(a,h)anthracene	0.81	39.5	7.7

^a The comparison values presented in the Soil RG/Eco CC column represent the lowest of the human health RG, ground-water protection RG, and the Eco CC available for each COC, as previously presented in Table 2-2.

^b As presented in RD documents (USACE 2008b, 2011d, 2012).

^c Values in **bold** are the maximum concentrations for samples that exceeded the lesser of the corresponding RGs or Eco CCs.

^d Concentration is reported for Total PCBs in comparison to the risk-based RG of 10 mg/kg.

Table 2-9. Concentrations of Contaminants of Concern in Pre- and Post-Excavation (Verification) Soil Samples Collected at West Burn Pads Area South of the Road

COC	Soil RG/Eco CC ^a	Maximum Concentration Reported Exceeding RGs in Pre-Excavation Samples ^b	Range of Soil Concentrations in Post-Excavation Samples
		(mg/kg)	
Barium	4,100	^c	158 – 3560
Lead	1,000	1300	12.7 – 98.7
RDX	1.3	310	<i>0.13</i> – 1.1
2,4,6-TNT	3.55	750,000	0.018 – 0.51

^a The comparison values presented in the Soil RG/Eco CC column represent the lowest of the human health RG, ground-water protection RG, and the Eco CC available for each COC, as previously presented in Table 2-2.

^b As presented in FUSRAP RD/RAWD (USACE 2008b).

^c RGs for barium were a result of 2011 OU-1 ROD ESD (Tetra Tech 2011b) and were not identified at design.

Note:

Values in *italics* were reported at the analytical DL.

The data that were reviewed are post-excavation verification soil sampling data. If resulting concentrations of the samples were lower than the RGs for the applicable COCs, then the excavation activities were defined as complete. If the RGs were exceeded at any single location, the boundaries of the excavation were expanded by removing additional soil for those sidewalls or floors that failed. At some areas at Line 1, additional samples were collected outside the excavation boundary near walls that exceeded the RGs to delineate horizontal extent and to generate a revised excavation design. After additional excavations were complete, verification samples were again collected and used to confirm achievement of RGs. Summaries of the soil verification results as compared to the PDI concentrations for Line 1 and the WBPS are presented in Tables 2-8 and 2-9, respectively.

2.6.4.1 Line 1

Overall, at Line 1 the verification results indicate that soil concentrations for the COCs were significantly reduced as a result of remedial action. The risk-based RGs and Eco CCs were met for the metals at all Line 1 areas. For explosives COCs, the residual soil concentrations at all Line 1 excavations met the risk-based RGs and the ground-water protection RGs except for RDX at six excavation areas. The RGs for RDX were not achieved because the soil was inaccessible due to the presence of buildings or other structures. Of the six inaccessible areas, only one (EU7-E)

exceeded the RDX soil RG for human health ECRs associated with ingestion. Table 2-4 summarizes the maximum concentrations detected in verification samples in the inaccessible soil areas at Line 1.

PCBs were defined as a COC at only one excavation area, EU1-A. Verification samples showed that the human health RG for Total PCBs was met, but the Eco CC for Aroclor-1260 was not met. A further evaluation of the Aroclor-1260 exceedances was conducted to calculate an adjusted Eco CC using the area use factor (AUF) approach, consistent with the BERA, Appendix M, Attachment F (USACE 2004). Because all Aroclor-1260 concentrations for this area are well below the adjusted Eco CC (2,850 mg/kg), the residual concentrations are protective of the Indiana bat.

For PAH COCs, the risk-based RGs were not met at 14 areas at Line 1 because the soil was defined as inaccessible due to the presence of in-use buildings or other structures and the soil was located in areas where the potential sources of PAH contamination were still present (Table 2-4). Remediation of this soil is deferred until after the potential source material is removed or the structures are removed to allow for inaccessible soil removal. At the PAH-contaminated soil areas, clean backfill soil (that met the RGs) provides an adequate barrier to prevent human health exposure from dermal contact or inhalation for the on-site worker. Additional LUCs will be implemented to prevent unauthorized digging or access to the inaccessible and continuing source areas.

2.6.4.2 *West Burn Pads Area South of the Road*

Verification sampling was conducted at four excavation areas at the WBPS. Verification samples were collected from the walls and floors of the excavations except at the DEF, where no floor samples were collected because the depth of excavation extended to bedrock. The verification results indicated that RGs for all COCs were met at all excavation areas.

2.7 **SITE INSPECTION**

A site inspection was conducted at IAAAP on April 18, 2018. The purpose of the inspection was to visually assess the implementation and effectiveness of the initiated remedies assigned to the FUSRAP at Line 1 and the WBPS. Those offices participating in the inspection included USACE St. Louis District, USEPA, IDNR, and Leidos, Inc. (Leidos) (USACE verification contractor). The inspection consisted of a driving and walking tour of the individual areas, with the personnel leaving the vehicles to walk the areas for several minutes or more. The weather was overcast and the temperature was 39 °F. No issues with visibility or access to the areas were observed.

The OU-1 areas inspected were Line 1, specifically the area around Building 1-70, and the WBPS. For the OU-1 areas, the primary feature to inspect was the condition of the excavation areas, which had been backfilled and revegetated at least 5 to 10 years earlier. No potential land use changes that would lessen the effectiveness of the selected remedies for the sites have occurred or are planned to occur.

No significant issues were identified as part of the site inspection. The general site conditions were good, and the areas are well maintained. Site access appeared to be sufficiently restricted where necessary.

A detailed summary of the inspection results is provided in Appendix F.

2.8 **INTERVIEWS**

Interviews were conducted between May 9 and June 6, 2018. Interview candidates were identified from a variety of organizations and groups familiar with the remediation being

conducted under the FUSRAP OU-1 at Line 1 and the WBPS. Not all of those invited to participate chose to do so. Respondents included key site and contractor personnel involved in remediation projects at the IAAAP; several members of the RAB; and local, state, and federal government agency representatives. Interviews were conducted by either Michael L. Kessler, FUSRAP Project Manager for the IAAAP, USACE St. Louis District, or by Andrea Wales, FUSRAP Public Affairs, USACE St. Louis District.

A set of interview questions was transmitted to interview candidates by e-mail or by phone, and responses were recorded on individual interview record forms. Four different questionnaires were developed to conduct the interviews, based on the respondent's role (community member, contractor, government representative, etc.) and their extent of involvement in the remediation activities. All respondents were asked about their overall impression of the site remediation and if they had any comments, suggestions, or recommendations regarding site management or operations. Additional questions addressed how well informed they felt regarding the project; their concerns (and the concerns expressed by the surrounding community) about the effects of site operations on the surrounding community; and if they knew of any incidents that may have occurred at the OU-1 areas (e.g., vandalism, trespassing, or emergency responses from local authorities). A complete list of interview questions and the responses are provided on the individual review forms included in Appendix G, along with a list of the individuals who were interviewed. A summary of the interview results follows.

In general, the interviewees expressed a positive overall impression of the project. While acknowledging remediation at OU-1 has been a lengthy process, most interviewees stated they believe considerable progress has been made in recent years. Respondents indicated they felt the measures taken have been appropriate and have been conducted safely. Respondents were not aware of any vandalism incidents or of any negative effects of the site operations on the surrounding community. Two respondents noted they were aware of one emergency response that had occurred at the IAAAP, but this event (i.e., a grass fire caused when small melts at Line 3 overheated) was unrelated to FUSRAP activities at OU-1 areas.

In general, respondents had no concerns and were unaware of any public concerns about the effects of site operations on the surrounding community. One exception was a respondent who expressed awareness of public concern over potential impacts to the surrounding community as a result of the transport of excavated materials through the community. The respondent suggested more community outreach outside the RAB be conducted to educate the public about these activities.

The majority of the respondents assessed the level of communication as very good. Respondents noted good communication between members of the environmental restoration team and indicated the information provided by the RAB meetings has kept them well informed of the site activities and progress. However, one respondent, a representative of the USEPA, expressed that the sharing of information was inadequate. He suggested the USACE should provide more frequent updates, in the form of quarterly reports and photographs of ongoing work, and that the USACE should provide more information concerning plans for future work to assist the USEPA with out-year planning and budgeting.

2.9 TECHNICAL ASSESSMENT

2.9.1 QUESTION A: Is the remedy functioning as intended by the decision documents?

Yes.

The remedy at Line 1 and the WBPS is functioning as intended by the RAOs established in the OU-1 Final ROD (USACE 1998a) (RAOs #1 and #2) and ESD documents. Excavation and disposal, along with alkaline hydrolysis treatment, of soil with COC concentrations exceeding the risk-based and ground-water protection-based RGs has resulted in reductions in the availability for potential human health and environmental exposures, along with reductions in the toxicity, mobility, and volume of contaminated soil. In areas where contamination remains (i.e., in inaccessible soil areas and areas associated with continuing contaminant sources), excavations were backfilled. LUCs will be implemented and maintained until structures and/or source areas are removed to prevent exposures and contaminant migration to ground water.

2.9.1.1 Remedial Action Performance

2.9.1.1.1 Excavation and Disposal

The excavation and disposal of soil with COC concentrations exceeding the RGs and Eco CCs at Line 1 and the WBPS were performed as prescribed in the OU-1 IROD, OU-1 Final ROD, and associated ESD documents. The remedial actions at Line 1 resulted in a total volume of approximately 50,782 tons of contaminated soil being excavated, treated as required, and permanently disposed of at a permitted facility. To achieve the RGs and Eco CCs, the volume of material excavated was greater than the volumes estimated in the OU-1 IROD (U.S. Army Environmental Center 1998) and in the FUSRAP RD/RAWD (USACE 2008b) for the following reasons: extensive barium contamination at the WBPS and the identification of cut and open waste lines that required remediation for explosives. This change in the overall volume of waste did not affect the protectiveness of the response action.

Completed activities have reduced the COC concentrations to levels below the applicable RGs, with the exception of several inaccessible areas at Line 1. The RG for RDX was not achieved at 6 excavations, because the presence of existing structures (e.g., building foundations, roads, railroads, etc.) limited the extent of excavation. At 14 Line 1 excavation areas, soil was excavated to the limits specified in the FUSRAP RD/RAWD (except at EU8-B); however, the risk-based RGs could not be met for the PAH-contaminated soil. Excavations were terminated or not initiated at these areas because continuing sources of PAH contamination (coal tar building roofs, pre-1980 treated wood [cross ties], and asphalt/pitch and oil roads and parking lots) were identified at each area. Of these continuous source areas, two areas (EU5-F and EU8-B) are considered to be accessible areas of soil. However, based on data available for the two areas, a cumulative ECR of 1E-05 was calculated for each area, based on maximum concentrations, relative to USEPA's current risk-based industrial soil Regional Screening Levels (RSLs) (USEPA 2018a). Similarly, maximum noncancer HIs of 0.089 and 0.057 were calculated for EU5-F and EU8-B, respectively. Therefore, the ECRs and noncancer HIs calculated for these two areas are within the USEPA's TECR range and less than the target HI of 1, respectively. At some locations, the presence of existing structures (building foundations, railroads, etc.) also limited the extent of excavation of PAH-contaminated soil. At 2 locations at Line 1, the Eco CCs were not met for 2,4,6-TNT and PCBs due to inaccessible soil; however, the depth at which

inaccessible soil remains is below the 1.0-ft extent for ecological exposure. Therefore, exposure to contaminated soil is unlikely. No inaccessible soil areas remain at the WBPS.

In the areas where RDX-contaminated soil remains in place, the excavation areas were lined and backfilled to reduce potential vertical migration of RDX to ground water. Backfilling of the open excavations was conducted using clean soil obtained from borrow areas located on the IAAAP. Additional LUCs (i.e., digging restrictions) will be maintained until removal of the structure (as part of any facilities management process) allows access to contaminated soil to be remediated or until the concentrations of hazardous substances in the soil are at such levels to allow for UUUE.

These remedial actions have reduced the COC concentrations to levels below the applicable human health risk-based RGs and Eco CCs, thereby preventing further exposures. In areas where remedial actions were implemented, the USACE concludes that potential unacceptable human health or environmental risks have been eliminated. Therefore, the remedy has been achieved except for those areas defined as inaccessible and continuing source areas. When LUCs are implemented, the conditions set forth by RAO #1 will be achieved at all areas, except at those areas defined as inaccessible/continuing sources areas. LUCs have not yet been implemented for OU-1. The LUCs are required to restrict OU-1 areas at IAAAP to commercial/industrial land use in the future. Area-specific LUCs will also be implemented to address the remaining health risks at inaccessible and continuing source areas to ensure that residual COC concentrations that exceed the RGs do not pose an unacceptable human health or ecological risk. Additionally, a strategy for addressing contaminated soil in inaccessible and continuing source areas will be developed, documented, and implemented.

The USACE concludes that the potential migration of explosives in contaminated soil that would result in on-site ground-water contamination in excess of health advisory limits (HALs) has been significantly reduced at Line 1. The USACE also concludes that the potential migration of barium in contaminated soil that would result in on-site ground-water contamination in excess of the USEPA's maximum contaminant level (MCL) has been eliminated at the WBPS. However, the LUCs required as part of this remedial action have not yet been implemented. LUCs will be implemented to prevent unauthorized intrusive activity within the six remaining inaccessible areas at Line 1 and to prohibit the use of ground water as a potable water supply. If contaminated inaccessible soil is exposed in the future during building demolition or renovation, the contaminated soil will be remediated as needed to meet the OU-1 RGs. Therefore, upon implementation of the LUCs, the remedy will achieve RAO #2, which was established to prevent exposures to contaminated ground water.

2.9.1.1.2 Treatment

In accordance with the OU-1 IROD, OU-1 Final ROD, and associated ESD documents, approximately 390 tons of explosives-contaminated soil was treated by alkaline hydrolysis at Trench 7 at the IDA to reduce cumulative soil ECR to less than 1E-06 and to comply with LDRs prior to on-site disposal. An additional 148 tons of explosives-contaminated soil was also treated at an off-site disposal facility. Approximately 14 tons of this volume was explosives-contaminated soil from MEC actions at Line 1 EU7A/B North. Prior to off-site disposal, in-situ remediation using the MELT process was conducted to reduce the reactivity of the soil so that further excavation to RGs and disposal could occur.

2.9.1.2 *Systems Operations/Operations and Maintenance*

The O&M period ended in May of 2014. Because no further treatment or excavation/disposal operations are being conducted at Line 1 or the WBPS at the present time, no O&M is required.

In the areas where the RDX-contaminated soil or PAH-contaminated soil remains in place, O&M activities post-excavation would include inspections to ensure that site restoration (backfill and revegetation) are complete.

2.9.1.3 Opportunities for Optimization

No further treatment and excavation/disposal activities are being conducted at Line 1 or the WBPS at the present time. Therefore, no opportunities currently exist for optimization of the remedy.

2.9.1.4 Implementation of Institutional Controls and Other Measures

The 2018 OU-1 ROD ESD identified LUCs as a component of the selected remedy to ensure the long-term protection of human health and the environment (Leidos 2018). Land use at Line 1 and the WBPS will remain non-residential and industrial because the installation will remain under federal control. During the period when the IAAAP is owned by the DOD, ICs at Line 1 and the WBPS will be maintained subject to the U.S. Army's Base Master Plan, a contractual arrangement between the U.S. Army and the IAAAP operating contractor, or other comparable control mechanism (Tetra Tech 2008). In the event the IAAAP is transferred out of DOD ownership, the USACE will include appropriate environmental restrictions in the deed to ensure the integrity of the remedy at Line 1 and the WBPS.

LUCs will be formally developed and documented in a future implementation plan. Until that documentation is complete, industrial land use is already effectively made nearly permanent by the presence of the IAAAP. In the interim, IAAAP procedures are in place for maintaining site controls at the IAAAP to protect plant workers, contractors, and other site visitors from site contaminants.

The use of ICs will also address the remaining health risks at areas where residual COC concentrations exceed the RGs that may pose an unacceptable human health or ecological risk (Table 2-4). Within OU-1, these areas include the 6 RDX areas and 14 PAHs areas where inaccessible and/or continuing sources of PAH contamination remain (Table 2-4). Of the 6 RDX areas, 2 areas (EU7-E and EU9B-B) exceeded the direct contact/ingestion RG (53 mg/kg) for RDX. The remaining areas exceeded the ground-water protection RG for RDX. The highest concentration remaining at the inaccessible soil/continuing source areas exceeds the applicable cleanup goal by less than one order of magnitude. Although COCs remained in these areas above the applicable cleanup levels, further excavation was not possible and the extent of soil removal had been satisfied. Excavation areas were backfilled with clean soil, which further reduces the potential exposure and vertical migration of contaminants. ICs will be maintained in areas where the inaccessible soil is present until soil becomes accessible (e.g., following removal of structures) or the continuing source of PAH contamination (e.g., railroad ties, asphalt, tar roofing material, etc.) is removed, at which time soil will be reevaluated and excavated in accordance with the OU-1 RODs, or until the hazardous substances in the soil are at such levels to allow for UUUE.

The ICs to be implemented at Line 1 and the WBPS will include access restrictions, signs, construction restrictions, and ground-water usage restrictions. Access to the IAAAP is currently restricted by the nature of the Army's security and safety measures, which will remain in place for the long-term. Area-specific restrictions will be enacted to prohibit unauthorized intrusive activity within inaccessible areas at Line 1 and to ban the use of ground water as a potable water supply. Currently, coordination of digging permits, utility repairs, maintenance, or other site work is accomplished through internal coordination between AO and the IAAAP Army staff to

ensure that workers are aware of and protected from potential environmental hazards. Signage will also be posted to alert users of Line 1 about the presence of residual contamination.

The USACE St. Louis District will be responsible for implementing, maintaining, monitoring, enforcing, and reporting on the effectiveness of ICs for a 2-year period following approval of the RACR. After the 2-year period, long-term management of Line 1 and the WBPS will be transferred to the DOE in accordance with the 2006 IAAAP FFA (USEPA et al. 2006).

2.9.2 QUESTION B: Are the exposure assumptions, toxicity data, cleanup levels and remedial action objectives used at the time of the remedy selection still valid?

Yes.

No changes in land use or physical characteristics of Line 1 and the WBPS that would lead to a change in exposure assumptions or RAOs have occurred; however, USEPA updates to risk assessment guidance, as well as changes to some toxicity values, have been made. Despite these updates, all human health soil RGs, ground-water protection RGs, and Eco CCs that were established in the OU-1 Final ROD, or in accordance with the OU-1 Final ROD and subsequent ESD methodologies, remain valid. In summary, the exposure assumptions, toxicity data, cleanup levels and RAOs used at the time of the remedy selection are still valid and the health protectiveness of the remedies implemented at Line 1 and the WBPS have not been impacted as a result of USEPA updates to risk assessment methods and toxicity values.

The information presented in the subsections that follow summarizes the rationale and evaluations that form the basis to this response. Appendix A, Attachment A-1, of this Five-Year Review Report presents the detailed response, as supported by Appendices B (Operable Unit 1 Post-Remedial Characterization and Verification Data versus Comparison Values), C (EPC Calculations for Line 1), and D (Adult Lead Methodology Calculations for Line 1 Excavation Area 3A).

2.9.2.1 Changes in Standards and To Be Considered

During remedial actions at Line 1 and the WBPS, location-specific, chemical-specific, and action-specific ARARs have been met. Although remedial work has been completed at the WBPS, the remedy at Line 1 is still considered to be under construction due to the presence of inaccessible soil areas and continuing sources of PAHs, as previously discussed in Section 2.9.1.1.1. Attachment A-1 in Appendix A presents lists and analyses of location-specific, chemical-specific, and action-specific ARARs for OU-1 in Tables A-1-1, A-1-2, and A-1-3, respectively, relative to the current remedy that is ongoing at Line 1.

Based on the analyses of the ARARs presented in Tables A-1-1 through A-1-3, there have been no changes or updates to those standards from the OU-1 Final ROD that were evaluated. Most of the evaluated standards identified to be ARARs in the OU-1 Final ROD are still ARARs, with the exception of two chemical-specific and four action-specific standards that are no longer ARARs, as indicated in Tables A-1-2 and A-1-3, respectively. This is because of the change in the remedy (i.e., from on-site to off-site treatment and disposal) that has occurred since the signing of the OU-1 Final ROD.

2.9.2.2 Changes in Exposure Pathways, Exposure Assumptions and Risk Assessment Methods

Risk-based, chemical-specific RGs protective of an industrial worker from incidental soil ingestion exposures resulting in an ECR of 1E-06 and a noncancer HI of 1, as well as ground-water protection RGs for RDX and 2,4,6-TNT, were derived for all human health COCs during creation of the OU-1 Final ROD. Additionally, a ground-water protection RG for barium in soil at the

WBPS and soil Eco CCs were established for Line 1 and the WBPS in subsequent ESD documents. Since the OU-1 Final ROD was signed in 1998, the USEPA has published guidance documents on human health risk assessment for the dermal (USEPA 2004) and inhalation (USEPA 2009) exposure pathways, as well as additional guidance documents that cover recommended updates for all other general exposure assumptions (i.e., USEPA 2011 and 2014a) that are typically applied during calculations of ECR and noncancer HIs in a human health risk assessment. The recommended values or ranges of values provided within these guidance resources (USEPA 2011, 2014a) are not legally binding on any USEPA program, but rather are suggested inputs for exposure, ECR, and noncancer HI calculations that can be modified as needed. The exposure assumptions for industrial worker soil ingestion applied in the derivation of the OU-1 Final ROD (USACE 1998a) RGs are similar to the latest standard default values published by the USEPA.

Although the OU-1 Final ROD RGs do not account for soil exposures to industrial workers via dermal contact and dust inhalation, the ingestion pathway often accounts for most of the ECRs and noncancer HIs, as discussed and presented in Attachment A-1 and Table A-1-4. Therefore, the OU-1 risk-based RGs that were derived based only on the ingestion pathway and consequently, the remedy that applies those RGs, are likely to remain health protective. Overall health protectiveness of the OU-1 RGs and the remedy are discussed in Section 2.9.2.4 as part of this response to Question B.

Not included in the 1996 risk assessment or the OU-1 Final ROD RGs are exposure assumptions and evaluations regarding construction workers. As a military installation with industrial land use, demolitions, renovations, and construction work are activities that occur at the IAAAP. However, according to the *Five-Year Review Report for Iowa Army Ammunition Plant, Middletown, Iowa, Defense Environmental Restoration Program* (USACE 2016a) prepared by the USACE Baltimore District, a baseline human health risk assessment was conducted as part of the OU-7 supplemental remedial investigation (SRI), which evaluated both industrial and construction worker scenarios. Generally, OU-7 is an installation-wide OU that includes areas that are located across the installation and that have contaminants of potential concern (COPCs) and exposure pathways similar to the OU-1 areas. During that risk assessment, no ECRs or noncancer HIs were calculated that exceeded USEPA's target limits of 1E-06 and 1, respectively.

An ECR of 1E-06 means that there is a probability of the occurrence of one additional case of cancer in a population of one million people due to exposures at a site, above the baseline cancer rate (i.e., that normally occurs from cigarette smoking, sun exposures, etc.). The USEPA has established acceptable ECRs as being within the range of the lower target limit of 1E-06 (one in one million) to the upper target limit of 1E-04 (one in ten thousand). For noncancer effects, the USEPA has established that a hazard quotient (HQ) of less than a value of 1 is acceptable for single contaminants, or that an HI of less than 1 is acceptable over multiple contaminants associated with similar target organs/critical effects.

Therefore, due to similarities between the OU-7 and OU-1 areas, and because the OU-7 risk assessment results indicate no ECRs or noncancer HIs were calculated that exceeded USEPA's target limits of 1E-06 and 1, respectively, it is concluded that the construction worker should be adequately protected from direct contact exposures to soil under the post-remedy conditions that currently exist at both Line 1 and the WBPS.

2.9.2.3 *Changes in Toxicity or Contaminant Characteristics*

No changes have occurred in the known chemical/physical characteristics of the COCs identified for Line 1 and the WBPS. However, since publication of the OU-1 Final ROD, oral cancer and noncancer toxicity values that were used to derive human health risk-based RGs for the protection of industrial workers from soil ingestion exposures have been updated. Table A-1-5 shows the toxicity value updates (i.e., in the gray-shaded cells of the table), along with corresponding reference sources for the values.

Because of the updates implemented by the USEPA, some of the more recent toxicity values (i.e., “Current” values) published since the signing of the OU-1 Final ROD are more health conservative and afford an increased level of health protection than did the previous toxicity values (i.e., “ROD” values) used to calculate the RGs in the OU-1 Final ROD. In Table A-1-5, the updated (current) toxicity values that are more health conservative are those that are presented in bold font.

Of the carcinogenic COCs, the only updated toxicity value that results in greater health protection over the value used previously in RG derivations is the recently published value for hexavalent chromium (i.e., chromium VI). Although the actual COC for OU-1 is total chromium (i.e., not hexavalent chromium), no toxicity criteria existed at the time of the OU-1 Final ROD for assessing ECRs or noncancer HQs associated with total chromium. Currently, such toxicity data are still unavailable. Therefore, the assumption of chromium being in the most toxic valence state for this metal (i.e., the hexavalent state) was applied to represent a worst-case scenario. This assumption is consistent with all past and present evaluations of chromium at the IAAAP, and is applied in order to ensure health protectiveness. This is because all samples collected for chromium analysis from the IAAAP were analyzed for total chromium, without speciation of the two common valence states in which chromium exists in the environment (i.e., chromium III [trivalent chromium] and chromium VI).

Table A-1-5 also shows that of the noncarcinogenic COCs, the only updated toxicity values that result in greater health protection over the corresponding values used previously in RG derivations are the recently published values for benzo(a)pyrene, beryllium, hexavalent chromium, thallium (assumed to be in the form of thallic oxide), Aroclor-1254, and 1,3,5-trinitrobenzene (TNB).

The overall protectiveness of the remedy as a result of updates to cancer and noncancer toxicity values used to derive the OU-1 Final ROD RGs, is discussed in Section 2.9.2.4.

2.9.2.4 *Health Protectiveness of the Remedy*

Based on the information previously presented in Sections 2.9.2.2 and 2.9.2.3 regarding changes in exposure pathway/assumptions, risk assessment methods, and toxicity values that have occurred since publication of the OU-1 Final ROD and subsequent ESD documents, the health protectiveness of the remedy implemented at Line 1 and the WBPS must be evaluated. Therefore, the health and environmental protectiveness status of the remedies applied to Line 1 and the WBPS are evaluated in this section relative to the following: (1) human health risk-based RGs for COCs in soil, which were derived based on cancer and noncancer effects following ingestion exposures to a site worker, targeting an ECR of 1E-06 and a noncancer HQ of 1; (2) the ground-water protection RGs for RDX and 2,4,6-TNT in soil; (3) USEPA’s latest RSLs for industrial soil protective of the USEPA’s TECR range of 1E-06 to 1E-04 and the target HQ of 1 for carcinogens and noncarcinogens, respectively (USEPA 2018a); and (4) Eco CCs (derived for protection of the Indiana bat). Data comparisons with these criteria that support the health protectiveness evaluations are presented in Appendix B, Attachments B-1 through B-3 for Line 1,

and in Attachments B-4 and B-5 for the WBPS. Appendix B presents all of the existing post-remedy data available for Line 1 and the WBPS. Post-remedy data include pre-design characterization data for samples that were not remediated, along with post-remedial verification data. In addition to evaluating data against the aforementioned comparison values, the health protectiveness of the remedy was further demonstrated and confirmed for areas in which the remedy had been applied each at Line 1 and the WBPS through calculations of cumulative ECRs and noncancer HIs.

The following subsections discuss remedy protectiveness evaluations for the COCs identified at Line 1 and the WBPS, based on the aforementioned data comparisons, for the following: human health (worker) protection from exposures to carcinogenic and noncarcinogenic COCs and lead, protections of ecological receptors (i.e., Indiana bat) from exposures to ecological COCs, and protection of ground water from RDX, 2,4,6-TNT, and barium concentrations in soil.

2.9.2.4.1 Human Health Protectiveness Evaluations for Carcinogenic COCs

Table A-1-4 shows that most of the OU-1 Final ROD RGs for the carcinogenic chemicals (i.e., arsenic, benzo[a]anthracene, benzo[a]pyrene, benzo[b]fluoranthene, dibenz[a,h]anthracene, total PCBs, 2,4-dinitrotoluene [DNT], 2,4,6-TNT, and RDX) are either less than or within the range of RSLs representing the USEPA's TECR range. Therefore, the RGs for these chemicals are still health protective relative to the USEPA's TECR range.

However, when considering existing post-remedy data for carcinogenic COCs at Line 1 and the WBPS, comparisons were made between post-remedy soil concentrations versus the OU-1 Final ROD RGs and other health-based criteria, as previously described. These comparisons are presented in Appendix B, with Attachments B-1 through B-3 specific to Line 1 and Attachments B-4 and B-5 specific to the WBPS. None of the post-remedy data for carcinogenic COCs at the WBPS exceed the corresponding OU-1 Final ROD RGs or other health-based criteria; therefore, the remedy applied in this area relative to the carcinogenic COCs is still protective.

Regarding comparisons between Line 1 post-remedy soil data versus the OU-1 Final ROD RGs, some individual exceedances of RGs by carcinogenic COCs have been observed, primarily for RDX, carcinogenic PAHs (benzo[a]anthracene, benzo[a]pyrene, benzo[b]fluoranthene, and dibenz[a,h]anthracene), and hexavalent chromium. However, based on the evaluations that are described in detail in Attachment A-1, it has been determined that both the existing OU-1 Final ROD RGs for soil and the implemented remedy continue to remain health protective at both Line 1 and the WBPS for all noncarcinogenic COCs.

In addition to evaluating data against the aforementioned health-based comparison values, the health protectiveness of the remedy was further demonstrated and confirmed for areas in which the remedy had been applied through calculations of cumulative ECRs for Line 1 and the WBPS. These calculations were performed based on the USEPA's RSLs for industrial soil as being derived to target an ECR of 1E-06, and assuming the maximum post-excavation concentrations presented previously in Tables 2-8 and 2-9 to be EPCs for Line 1 and the WBPS, respectively. Applying this approach, the maximum cumulative area-wide residual ECRs calculated for Line 1 and the WBPS are 9E-05 and 4E-08, respectively. Since both of these excess cumulative CRs are less than and within the USEPA's TECR range of 1E-06 and 1E-04, the health protectiveness of the remedy (i.e., relative to potential cancer effects that may occur following exposures under an industrial land use scenario) has been confirmed for areas at Line 1 and the WBPS in which the remedy has been applied in order to meet the OU-1 ROD RGs. The EPC calculations for Line 1 are contained in Appendix C.

2.9.2.4.2 Human Health Protectiveness Evaluations for Noncarcinogenic COCs

Table A-1-4 shows that the risk-based OU-1 Final ROD RGs for noncarcinogenic COCs are compared to USEPA's RSLs derived for industrial soil based on systemic effects and targeting a HQ of 1. These include 1,3,5-TNB, high melting explosive (HMX), antimony, beryllium, cadmium, and thallium. Similar to the carcinogenic COCs, comparisons were made between the RGs for noncarcinogenic COCs and the USEPA RSLs representing the USEPA's target HI of 1, as well as comparisons between individual soil sample concentrations versus the OU-1 Final ROD RGs and other health-based criteria. It should be noted though that none of the post-remedy data for noncarcinogenic COCs at the WBPS (see Attachments B-4 and B-5) exceed the corresponding OU-1 RGs or RSLs. Based on these evaluations, which are described in greater detail in Attachment A-1, both the existing OU-1 Final ROD RGs for soil and the implemented remedy continue to remain health protective at both Line 1 and the WBPS for all noncarcinogenic COCs.

In addition to evaluating data against the aforementioned health-based comparison values, the health protectiveness of the remedy was further demonstrated and confirmed for areas in which the remedy had been applied through calculations of cumulative noncancer HIs for Line 1 and the WBPS. These calculations were performed based on the USEPA's RSLs for industrial soil as being derived to target an HI of 1, and assuming the maximum post-excavation concentrations presented previously in Tables 2-8 and 2-9 to be EPCs for Line 1 and the WBPS, respectively. Applying this approach, the maximum cumulative area-wide residual HIs calculated for Line 1 and the WBPS are 0.14 and 0.17, respectively. Since both of these noncancer HIs are less than the USEPA's target limit of 1, the health protectiveness of the remedy (i.e., relative to potential noncancer effects that may occur following exposures under an industrial land use scenario) has been confirmed for areas at Line 1 and WBPS in which the remedy has been applied in order to meet the OU-1 ROD RGs.

2.9.2.4.3 Human Health Protectiveness Evaluation for Lead

The OU-1 Final ROD RG for lead (1,000 mg/kg) exceeds the USEPA's RSL for lead (800 mg/kg). Table B-1-6 shows that the only existing post-remedy concentration of lead (1,450 mg/kg) that exceeds the RG, as well as the RSL, was collected from sample location IAAP96976. This sample represents one sample aliquot that was part of a three-sample composite collected from EU3 at Line 1, in the vicinity of excavation area EU3-A. This sample result appears to be an outlier result when considering data from other nearby sample locations.

In order to assess potential impacts, if any, to the health-protectiveness of the remedy as a result of the one elevated sample concentration, USEPA's Adult Lead Methodology (ALM), which was developed by USEPA's Technical Review Workgroup (TRW), was used to calculate health risks to a fetus associated with pregnant site (industrial) worker and construction worker exposures to lead in soil at Line 1, within and around EU3-A. Appendix D, Attachment D-1, contains mean concentrations calculated as EPCs for lead that incorporated data from the elevated sample, plus data from eight other locations in the immediate proximity (henceforth referred to as the EU3-A area). These concentrations were input into the models, as presented in Attachment D-2. The results of the ALM calculations for the EU3-A area show no elevated health risks due to either site worker or construction worker exposures to lead in soil. Therefore, both the existing OU-1 Final ROD RG and the implemented remedy continue to remain health protective at OU-1 for lead, even with the outlier result of 1,450 mg/kg included in the calculations.

2.9.2.4.4 Ground-Water Protectiveness Evaluations for RDX and 2,4,6-TNT in OU-1

In addition to risk-based soil RGs for the protection of human health, the potential impact to ground water from residual RDX and 2,4,6-TNT contamination in soil was also evaluated. The Summers model was used to estimate the RDX and 2,4,6-TNT soil RGs (1.3 mg/kg and 47.6 mg/kg, respectively) at established as ground-water protection RGs in the OU-1 Final ROD. Generally, the Summers model estimates leaching of a chemical from soil directly to the underlying ground water, while applying simple, yet site-specific inputs for vertical volumetric water flow through the soil column, along with the horizontal volumetric flow rate of ground water in the subject aquifer. According to the OU-1 Final ROD (USACE 1998a), the derivation of the RGs for RDX and 2,4,6-TNT ensures that downward migration of RDX and 2,4,6-TNT into the underlying ground water would not result in ground-water concentration exceedances of the USEPA lifetime health advisory level of 2 µg/L for either explosive. The most recent USEPA publication of *Drinking Water Standards and Health Advisories* (USEPA 2012) shows that this lifetime health advisory level has not been changed for either compound since the publication of the OU-1 Final ROD and ESD documents. These site-specific “leaching” RGs or ground-water protection RGs are 1.3 mg/kg for RDX and 47.6 mg/kg for 2,4,6-TNT.

Based on the detailed evaluations described in Attachment A-1, the remedy has been demonstrated to be protective of ground water relative to 2,4,6-TNT. However, for RDX at Line 1, 23 RDX sample results out of a total of 1,404 results (i.e., a frequency of less than 2 percent) exceed the RG of 1.3 mg/kg. The sample exceedances are consistent with RDX ground-water plumes that have been identified at Line 1, based on the 2 µg/L lifetime health advisory, under an ongoing investigation that is being conducted under the U.S. Army’s Installation Restoration Program (IRP). Contributing to the RDX exceedance of the ground-water protection RG is soil found to be inaccessible due to the presence of buildings or other structures. Therefore, demonstration of ground-water protection of the remedy is inconclusive as additional investigations are being conducted that will eventually yield more data and consideration of possible further actions at Line 1, as appropriate. However, it is important to note that (1) both the 2,4,6-TNT and RDX RGs are protective of human health from direct soil contact exposures, and (2) the IAAAP is a military installation with industrial land use where ground water is not being used as a potable source by any workers, nor is it expected to be used for such purposes in the foreseeable future. Potential direct contact with soil is the more plausible exposure scenario for a worker.

2.9.2.4.5 Ground-Water Protectiveness Evaluations for Barium at the WBPS

During remedial actions at the WBPS, barium was found in excavated soil at concentrations that exceeded the LDR. USACE developed a site-specific RG for barium-only contaminated soil at the WBPS based on ground-water protection since it was the more stringent value than the human health risk-based or ecological risk-based values. Summers Model calculations were used to develop a site-specific ground-water protection RG for barium for the WBPS, for the 2011 OU-1 ROD ESD (Tetra Tech 2011b). Calculation of the barium RG was designed to ensure protection of the USEPA’s MCL (2,000 µg/L) in the underlying aquifer. Based on site-specific leachability data applied to the Summers model calculations, the total barium measured in soil at concentrations of less than 4,100 mg/kg is considered as not only being protective of the MCL in ground water, but as having met USEPA’s Toxicity Characteristic Leaching Procedure (TCLP) criterion.

The detailed evaluations described in Attachment A-1 indicate that both the RG and the implemented remedy are not only protective of the WBPS ground water, but also protective of human health under the existing industrial land use conditions.

2.9.2.4.6 Ecological Protectiveness Evaluations

Environmental protection was assessed by the development of the Eco CCs for soil at Line 1 and the WBPS for protection of the Indiana bat, an endangered species observed around the IAAAP, during development of the FUSRAP RD/RAWD (USACE 2008b). The Eco CCs were derived in accordance with the methods established in the BERA (Appendix M, Attachments F and G) (USACE 2004), as well as in the 2008 OU-1 ROD ESD (Tetra Tech 2008). During preparation of the BERA (USACE 2004) Eco CCs were initially derived for the following terrestrial receptors: the white-footed mouse, short-tailed shrew, and the Indiana bat. However, based on the 2008 OU-1 IROD ESD (Tetra Tech 2008), as well as the BERA (Appendix M, Attachments F and G), the Indiana bat has become the only terrestrial receptor for which Eco CCs need to be developed.

The Eco CCs were established for the COCs identified in soil at both Line 1 and the WBPS. These values are presented in Appendix A, Attachment A-1, Table A-1-6. The results of the evaluation presented in Table A-1-6 indicate that both the existing Eco CCs and the remedy continue to remain protective of the environment at Line 1 and the WBPS.

2.9.3 QUESTION C: Has any other information come to light that could call into question the protectiveness of the remedy?

No.

No natural or manmade changes to the physical or biological characteristics of Line 1 and the WBPS have been made that would impact current and expected land use patterns, or that would change human or ecological exposure conditions. Therefore, no new information has come to light that could call into question the protectiveness of the remedy at Line 1 or the WBPS.

2.9.4 Technical Assessment Summary

Since the issuance of the OU-1 Final ROD and ESD documents, the USEPA has implemented updates to exposure assumptions, toxicity criteria, and USEPA's risk assessment guidance/methodologies. Because of these updates, human health risk-based RG comparisons with USEPA's most recent RSLs and pathway-specific screening levels (SLs) (USEPA 2018a) indicate that some RGs do not meet the RAO to "prevent ingestion and direct contact to contaminated soils at levels exceeding a 10⁻⁶ carcinogenic risk or a non-carcinogenic hazard index of one based on the reasonable maximum exposure determined in the BLRA" (USACE 1998b). However, the previously described health-protectiveness evaluations demonstrate that post-remedy health protection is still achieved for those RGs not meeting this RAO, relative to USEPA's target excess cancer risk (TECR) range and the noncancer HI of 1. Additionally, the Eco CCs established for both Line 1 and the WBPS continue to ensure health protection of the Indiana bat.

Exceedances of the ground-water protection RG for RDX at Line 1 indicate further study may be considered. The sample exceedances are consistent with RDX ground-water plumes that have been identified at Line 1, based on the 2 µg/L lifetime health advisory, under an ongoing investigation that is being conducted under the U.S. Army's IRP. Contributing to the RDX exceedance of the ground-water protection RG is soil found to be inaccessible due to the presence of buildings or other structures. The IAAAP is a military installation with industrial

land use where ground water is not being used as a potable source by any workers. The ground water beneath the IAAAP is not expected to be used for such purposes in the foreseeable future. Potential direct contact with soil is the more plausible exposure scenario for a worker.

Based on the evaluations presented, no natural or manmade changes to the physical or biological characteristics of the OU-1 FUSRAP areas have occurred that would impact protectiveness of the remedy. The land use at both OU-1 areas remains industrial. No other information is known that could call into question the human health or environmental protectiveness of the remedies applied to Line 1 and the WBPS.

2.10 ISSUES

Two issues that could potentially affect long-term protectiveness have been identified for OU-1. The first issue is that LUCs, including ICs, have yet to be formally documented and implemented. The industrial land use on which the RGs were based has not yet been made permanent by administrative or legal means. The remedy at OU-1 currently protects human health and the environment because a majority of the soil contamination has been addressed. For the remedy to be protective in the long-term, LUCs will need to be developed and documented by the FUSRAP to be implemented at the FUSRAP OU-1 areas by the U.S. Army. The remedy is expected to be protective of human health and the environment in the long-term upon completion of the required LUCs. In the interim, IAAAP procedures are in place for maintaining access controls at OU-1 to protect plant workers, contractors, and other site visitors from site contaminants.

The second issue is that no current strategy for addressing soil contamination at inaccessible and continuing sources areas at Line 1 exists. The presence of inaccessible soil exceeding RGs at Line 1 does not currently affect the protectiveness of the remedy but could potentially affect the protectiveness in the future if not addressed. At Line 1, 20 FUSRAP areas remain with contamination exceeding ROD RGs as a result of continuing sources of PAH contamination and/or soil defined as inaccessible due to the presence of structures currently in use. Remediation of this soil has been deferred until after the potential source material is removed or the structures are removed to allow for inaccessible soil removal. A strategy for addressing areas of soil contamination resulting from inaccessible and continuing source areas will need to be developed and documented by the FUSRAP to be implemented at the FUSRAP OU-1 areas by the USACE. Area-specific restrictions will be enacted to prohibit unauthorized intrusive activity within inaccessible areas and continuing source areas at Line 1, and to prohibit the use of the ground water as a potable water supply. In the interim, IAAAP procedures and access controls are in place to prevent unacceptable exposures to contamination in these areas.

2.11 RECOMMENDATIONS AND FOLLOW-UP ACTIONS

Recommendations for addressing the two issues identified in Section 2.10 follow.

- To address the lack of documentation of LUCs, area-specific LUCs for the FUSRAP areas of OU-1 (Line 1 and the WBPS) need to be documented in a Land Use Controls Implementation Plan.
- To address areas of soil contamination at inaccessible and continuing source areas, a strategy needs to be developed, documented, and implemented.

2.12 PROTECTIVENESS STATEMENT

The remedy at OU-1 currently protects human health and the environment because a majority of the soil contamination has been addressed. In order for the remedy to be protective in the long-term, ICs need to be implemented and a strategy for addressing areas of soil contamination resulting from continuing sources needs to be developed, documented, and implemented.

2.13 NEXT FIVE-YEAR REVIEW

The next five-year review is scheduled for completion no later than 5 years from the signature date of this report (anticipated to be April 17, 2024).

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3.0 OPERABLE UNIT 8

3.1 INTRODUCTION

The methods, findings, and conclusions of the CERCLA five-year review for OU-8 are documented in this section of the report. OU-8 consists of the structures at Line 1 and Warehouse 3-01; soil and sediment at the FSA; and Yards C, G, and L. In addition, this section identifies issues found during the review and recommendations to address them.

3.2 SITE CHRONOLOGY

Table 3-1. Chronology of Events for OU-8

Installation-Wide Events	Date
IAAAP used for munitions production.	1941 to present
Portions of the IAAAP installation were placed under control of AEC to fabricate explosive components for nuclear weapons.	1947 to 1975
FUSRAP was created.	1974
IAAAP placed on NPL (CERCLIS ID # IA7213820445).	August 1990
Installation-wide PA/SI completed covering 43 areas of known or suspected contamination at IAAAP, including Line 1 and WBPS (JAYCOR 1994).	1992
Installation-wide RI/RA Report issued (JAYCOR 1996).	May 1996
U.S. Congress transferred the responsibility for administration and execution of cleanup at eligible FUSRAP areas from DOE to the USACE.	October 1997
MOU between DOE and USACE regarding administration and execution of FUSRAP was signed.	March 1999
U.S. Congress designates several areas of the IAAAP that were previously used by AEC as FUSRAP areas.	July 2002
An aerial radiological survey of IAAAP and a portion of the surrounding community was conducted to identify any remaining areas that should be addressed by FUSRAP.	October 2002
OU-8 Events	Date
AEC operated at Line 1.	1947 to mid-1975
Yards C, G, and L came under the control of the AEC.	1947
The DOE's Oak Ridge National Laboratory (ORNL) conducted an indoor radiological survey at selected structures at Line 1 and Yard C (ORNL 2001).	2000
USACE performed a scoping survey, consisting of radiological surveys and sampling, at the FS-6 Area and FS-12 Area.	2001
The USACE completed an SRI for the FSA and Line 1 to further delineate the extent of contamination.	2002
The USACE conducted a site reconnaissance survey at three Yard L warehouses (L-37-1, L-37-2, and L-37-3) to assess the radiological status of the interior and exterior building surfaces.	February 2003
The USACE performed radiological surveys and soil sampling for DU at Yards C, G, and L.	2005
2006 IAAAP FFA (USEPA et al. 2006) between the USACE St. Louis District, USEPA Region 7, IDNR, and the DOE for investigation and cleanup of seven FUSRAP areas at IAAAP was signed.	August 16, 2006
The USACE conducted an RI at the FSA, Warehouse 3-01, and Yards C, G and L, along with portions of Yards E and F, and the area west of Line 5B (USACE 2008a).	2006 to 2007
Draft Final FUSRAP RI and BRA issued (USACE 2008a).	July 2008
The USACE conducted a supplemental investigation to fill data gaps remaining for the FSA, Yard C, Yard G, and the Line 1 structures (USACE 2011c).	2009
Final <i>FUSRAP Feasibility Study Report for the Iowa Army Ammunition Plant, Middletown, Iowa</i> (FUSRAP FS) (USACE 2011c) issued.	April 2011
<i>FUSRAP Proposed Plan for the Iowa Army Ammunition Plant</i> (FUSRAP PP) (USACE 2011d) public meeting.	May 17, 2011

Table 3-1. Chronology of Events for OU-8 (Continued)

OU-8 Events (Continued)	Date
Final FUSRAP ROD signature date (USACE 2011a).	September 2, 2011
The USACE issued the Final <i>Remedial Design/Remedial Action Work Plan, Iowa Army Ammunition Plant, Operable Unit 8, Depleted Uranium Contaminated Soil and Structure Remediation</i> (FUSRAP OU-8 RD/RAWP) (USACE 2013) for DU-contaminated soil and structure remediation.	February 2013
Removal of DU at the FS-1 and FS-2 Area	June 2011
Mobilization for Soil Sorting Pilot Test at the FS-12 Area (<i>ScanSortSM</i> system).	May 13, 2013
Soil Sorting Pilot Test was conducted (USACE 2014a).	June 26 to July 19, 2013
Remedial action conducted at the FS-3, FS-4, and FS-5 Area.	August 2013
Remedial action conducted at the FS-6 Area.	August 2013
Remedial action (excavation and soil sorting) conducted at the FS-12 Area.	August 2013 to present
Decontamination of Line 1 Buildings 1-11 and 1-63-6 was performed.	April 2014 to July 2015
Performed set-up of M-Yard and improvement of haul road between M-Yard and the FS-12 Area.	July 17 to 20, 2015

3.3 BACKGROUND

3.3.1 Physical Characteristics

The six OU-8 areas (Line 1 Structures, the FSA, Yard C, Yard G, Yard L, and Warehouse 3-01) are located within the IAAAP boundaries and are distributed throughout the installation as shown on Figure 2. Their physical characteristics are described in the following subsections.

3.3.1.1 Line 1 Structures

The Line 1 area is located in the northeast portion of the IAAAP. It is located on a 971,246-m² (240-acre) area and encompasses more than 250 buildings and related facilities. The ground surface at the Line 1 area consists primarily of relatively flat-lying terrain with the exception of several sloped areas and drainage ditches that convey surface-water runoff to Brush Creek (Figure 3).

3.3.1.2 Firing Sites Area

The FSA is a fenced area located in the western portion of the IAAAP. It encompasses 1,821,085 m² (450 acres) and is located approximately 1.0 mile from the nearest IAAAP boundary (Figure 7). The FSA consists of five subareas named for the buildings located within them: FS-1 and FS-2 Area; FS-3, FS-4, and FS-5 Area; FS-6 Area (FS-6, FS-7, FS-8, and FS-15); FS-12 Area (FS-9, FS-10, FS-11, and FS-12); and FS-14 Area.

The FSA lies within the Long Creek Watershed. The west and north branches of Long Creek converge within the FSA prior to flowing into Mathes Lake. In general, surface-water runoff from the FSA flows east toward Long Creek or its two branches. Long Creek drains into Mathes Lake approximately 1,000 ft from the northeast perimeter of the FSA. The majority of the FSA is heavily vegetated.

3.3.1.3 Yard C

Yard C is located in the eastern portion of the IAAAP within the Brush Creek Watershed and the Spring Creek Watershed. It is approximately 1,218,104 m² (301 acres) in size and is bounded by the Ammunition Box Chipper Disposal Pit and the Explosive Waste Incinerator to the north, Line 2 to the west, and Yard D to the south (Figure 8). It consists primarily of an open field with 43 igloos and several other support buildings surrounded by a security fence. The igloos and

associated loading docks can be accessed from an adjacent rail line or access road. In general, the ground surface at Yard C slopes toward the two creeks. Surface water runoff from the eastern part of Yard C ultimately drains into the Spring Creek Watershed. Surface-water runoff from the far western portion of Yard C drains into Brush Creek. The rail lines located adjacent to each row of bunkers are ditched for water drainage. Much of Yard C is open field that is used for hay production under the IAAAP leasing program.

3.3.1.4 Yard G

Yard G is a storage yard located in the southern portion of the IAAAP and is approximately 1,048,136 m² (259 acres) in size. It is located in a heavily forested valley of Long Creek and is bounded by the Construction Debris Landfill to the north, Yard K to the west, and Yard E to the east (Figure 9). The main access road of Yard G runs in a horseshoe-like shape along the Long Creek valley wall. Each igloo, loading dock, and associated driveway is situated on small and relatively flat areas adjacent to the access road. Surface runoff from Yard G flows into Long Creek, which flows through the center of the yard. Within Yard G, the land rises rapidly behind each igloo and drops steeply from the edge of the access road toward Long Creek. A drainage ditch is present on the uphill side of the access road that runs in front of the igloos.

3.3.1.5 Yard L

Yard L is located approximately 1,000 ft south of the northern boundary of the IAAAP and is bordered by administrative buildings to the west, Lines 5A and 5B to the south, and the Roundhouse Transformer Storage Area to the east (Figure 10). It contains several long, rectangular buildings located in an east-to-west orientation with railroad tracks located along the buildings for access. Concrete loading docks are located adjacent to the south side of each warehouse.

The ground surface at Yard L consists of relatively flat terrain, with the southeastern portion of the yard (the portion identified as having been used by AEC) sloping slightly to the southeast. Overland surface-water flow in the southeastern part of Yard L drains south into northern tributaries at the headwaters of Brush Creek. The western portion of the yard lies within the Long Creek Watershed and the extreme northern portion of the yard discharges into the Little Flint Creek Watershed.

3.3.1.6 Warehouse 3-01

Warehouse 3-01 is located in the central portion of the IAAAP in the north-central area of Line 3 (Figure 11). Warehouse 3-01 consists of a large brick building and a surrounding land area of approximately 2,608 m². Warehouse 3-01 is currently used by the U.S. Army. Warehouse 3-01 is located in the Brush Creek Watershed.

3.3.2 Land and Resource Use

All six OU-8 areas are currently used by the U.S. Army as part of their operational facilities at the IAAAP. Information concerning land and resource use at the IAAAP is presented in Section 1.2.2.

3.3.3 History of Contamination

Brief summaries of the history of contamination (i.e., operational histories) for each of the OU-8 areas are provided in the following subsections. The information presented in this section is taken primarily from the FUSRAP RI WP (USACE 2007) and the Draft Final *Line 1 and Firing Site Supplemental Remedial Investigation Report, Iowa Army Ammunition Plant, Middletown, Iowa* (TN&A 2002).

3.3.3.1 Line 1 Structures

Construction of Line 1 was completed in September 1941 and loading operations began immediately thereafter (TN&A 2002). Materials for ammunition production were shipped to Line 1 by train and stored in on-site storage buildings. These materials were then conveyed from the storage buildings to the melt buildings. From 1941 until August 1945, production at Line 1 included many types of ammunition, including fixed artillery rounds and bombs, in support of World War II. Shells produced at Line 1 during this time contained a mixture of 2,4,6-TNT and ammonium nitrate explosives.

In 1945, Line 1 was cleaned and placed in extended storage status. In 1947, operations at Line 1 resumed under the authority of the AEC. Existing Line 1 buildings were modified, and new facilities were constructed to support nuclear weapons production. The AEC operated Line 1 for the assembly of weapons from 1947 to 1975. During this period, a number of buildings were used in the production of baratols (consisting of a mixture of barium nitrate and TNT) and cyclotol (varying mixtures of RDX and TNT) (USEPA et al. 2006). In January 1950, ortho- and para-nitrotoluene were introduced during the melting process to prevent outer component cracks (TN&A 2002).

In 1951, construction of new processing facilities began in order to accommodate production of a variety of different nuclear weapon models. Building 1-100 was built to perform X-rays and to complete the machining operations required prior to X-ray. Contaminated water from machining operations flowed through aluminum-lined gutters to the Filter Building 1-70 clarifier for solids removal prior to discharge into Brush Creek (TN&A 2002).

In 1953, anthracene was introduced as an anti-cracking agent in Composition B. In addition, several Line 1 buildings were used for shipping and receiving raw materials used in assembling ordnance. Also, at this time, fly ash was added to the effluent discharged to Brush Creek for TNT removal. In 1954, Vythene C (1,1,1-trichloroethane) was used as a solvent for cleaning instead of trichloroethylene (TCE) and acetone. Use of this product was primarily in Building 1-01 (TN&A 2002).

Building 1-11 was constructed by the AEC in 1957 for the purpose of shipping and receiving raw materials used in ordnance assembly. Materials included DU, tritium bottles, and beryllium-containing components. Building 1-11 was also used to store DU metal pieces that were collected during the AEC cleanup of the FS-12 Area. Building 1-63-6 was built in 1957 on the northeastern side of Line 1 and used as an AEC assembly building.

Published historical information of activities at the installation from 1954 to 1975 is limited due to the nature of the operations being performed at that time. It is known that AEC continued production of explosive casts for nuclear weapons until molds began to be used for the pressing of plastic explosives. In 1975, the AEC turned operations of Line 1 back over to the U.S. Army, which began the production of artillery ammunition (TN&A 2002). In 1977, Line 1 began production of grenades and additional types of warheads.

3.3.3.2 Firing Sites Area

The FSA was developed by the AEC to support test firing of munitions for the IAAAP and was used by the AEC between 1948 and 1974. Fourteen (14) individual firing sites (FSs) are located within the FSA and are grouped by proximity into five FSs (Figure 7):

- The FS-1 and FS-2 Area is located at the southern end of the FSA and includes FS-1 and FS-2. The area is comprised of two buildings, the surrounding land, and the entrance road to both buildings located at the access point to the FSA. FS-1 was constructed in 1952, used as an administrative facility, and contained an X-ray film-processing machine to develop film of test shots. FS-2 was constructed in 1948 and was used as an inert storage facility. FS-1 and FS-2 are used on an as-needed basis in support of the U.S. Army mission.
- The FS-3, FS-4, and FS-5 Area is located northeast of FS-1 and FS-2, near Long Creek. Between 1948 and 1952, FS-3, FS-4, and FS-5 were constructed and used as general purpose storage magazines (TN&A 2002). FS-3 and FS-4 were used for storage of munitions and radiological materials. FS-5 was a general-purpose storage magazine, but components for hydro-shots also were assembled at FS-5 during AEC operations between 1965 and 1973. Hydro-shots consisted of conventional munitions surrounded by a large ring of DU that was broken, partially dissipated, and scattered upon detonation. The DU rings used for the tests were stored at FS-5. No actual ordnance testing was done at any of these facilities. FS-3, FS-4, and FS-5 are currently used as storage magazines (USACE 2001; TN&A 2002).
- The FS-6 Area is centrally located and includes FS-6, FS-7, FS-8, and FS-15 (Figure 7). FS-6 is believed to have been the primary testing area for the IAAAP until FS-14 was built in 1972. Historical drawings indicate the presence of a concrete observation bunker and test fire pad at FS-6. FS-7 and FS-8 were used as observation bunkers based on engineering drawings. Prior to the construction of FS-14, FS-6 was used for detonation tests of “plane wave” shots. The explosives used in these shots were a mix of Composition B and barium nitrate. Some other tests conducted at FS-6 involved explosive components that contained a thin sheet of DU. The DU was expected to be pulverized and dispersed by the wind during these tests. The quantity of these tests conducted at FS-6 is unknown. Little information is available on FS-15 (USACE 2001). The FS-6 Area is currently used for test firing of munitions for the IAAAP.
- The FS-12 Area includes FS-9, FS-10, FS-11, and FS-12, which are located in the northernmost portion of the FSA. At FS-9, an abandoned concrete underground observation bunker is present, and historical drawings indicate the bunker was used in support of testing at an FS-10 test fire pad. FS-11 contained an underground high-explosive supply magazine, and remnants of an underground bunker were also found. The FS-12 Area was used as an ordnance testing area for munitions and contains a concrete observation bunker and concrete firing pad. Between 1965 and 1973, a series of specialized tests called hydro-shots were conducted exclusively at the FS-12 Area. A hydro-shot was a diagnostic operation that used DU as a surrogate for weapons grade material and was a quality control (QC) technique for measuring the performance of plastic-bonded explosives produced at the IAAAP. Approximately 4 tons of DU were associated with 701 hydro-shots used at the FS-12 Area (ATSDR 2003). Currently, the FS-12 Area is fenced off and is not used by the U.S. Army because of the presence of DU fragments found at the area (Tetra Tech 2006a).

- FS-14 is located in the southern portion of the FSA, north of FS-1 and FS-2. It was built in 1972 and was used as a test firing range. Little information is available as to what was tested at FS-14 or when testing occurred, although some information obtained indicates that tile shot testing was performed (USACE 2001). Tile shots conducted during AEC operations consisted of a relatively small amount of conventional explosives and boosters.

3.3.3.3 *Yard C*

Yard C was constructed in 1941 and 1942 to serve as a storage yard and consists primarily of an open field with 43 storage igloos and several other support buildings. From 1947 until 1975, Yard C was under the control of AEC and was used for the storage of raw explosive materials and sealed radiological components that were placed into the warheads. These raw materials were transported to Yard C by rail in cardboard boxes with plastic liners. At an unknown date, probably prior to 1954, the necessary security was added to Yard C so that it became the only storage facility for both raw materials and finished products. These raw materials were transported to Building 1-50 at Line 1. Yard C is currently used by the U.S. Army.

3.3.3.4 *Yard G*

Yard G has been used for the storage of raw and finished products. Yard G was constructed in 1942, and in 1947 it came under the control of the AEC. The AEC used this secured, fenced facility from 1948 until 1954 as a storage area for the finished castings of classified shapes, with seven igloos having been used for this purpose (Mason and Hanger – Silas Mason Co., Inc. 1959). No historical records were discovered that could identify which igloos were used for storage of AEC materials. No radioactive components were reportedly stored at Yard G. Yard G was returned to U.S. Army control in 1975, and is not currently used by the U.S. Army.

3.3.3.5 *Yard L*

Yard L consists of long buildings oriented east-to-west with railroad tracks that service the buildings. Three warehouses in the southeastern portion of Yard L (L-37-1, L-37-2, and L-37-3) were used by the AEC to provide storage space for classified component parts for inert storage starting in 1960. This portion of Yard L has double security fencing. No evidence indicates raw explosive materials were stored in these warehouses, or that the components were worked, machined, fabricated, or joined in Yard L. The area of Yard L that is identified as being used by AEC is approximately 48,268 m² (12 acres) in size. Yard L is currently used by the U.S. Army.

3.3.3.6 *Warehouse 3-01*

Warehouse 3-01 consists of a large, brick building and a surrounding land area of approximately 2,608 m². Little written historical documentation concerning the operational history of Warehouse 3-01 is available. Information obtained from the project history of Line 1 indicates that Warehouse 3-01 was used as part of AEC operations (Ahlstrand 1956). Site documentation indicated that Warehouse 3-01 was reactivated for temporary warehousing of overflow items from Building 1-11 (Mason and Hanger – Silas Mason Co. Inc., 1959). Warehouse 3-01 is currently used by the U.S. Army.

3.3.4 **Initial Response**

Previous response actions conducted at the FSA include a removal action performed in the 1970s. Before turning control of the FSA over to the U.S. Army, the AEC contracted for soil excavation to remove radiologically contaminated soil from around the firing point at the FS-12 Area.

Soil was reportedly excavated to a depth of 15 ft at the firing point and a depth of 1 to 2 inches from the surrounding area. The volume of soil and debris removed was reported as 112 yd³. The drummed material was shipped offsite for disposal as radioactive waste (Tetra Tech 2006c).

No response actions were conducted for Line 1 structures; Yards C, G, and L; or Warehouse 3-01 prior to the remedial actions initiated under the FUSRAP ROD.

3.3.5 Basis for Taking Action

The ROD for OU-8, the FUSRAP ROD (USACE 2011a), states the following basis of the action:

The response actions selected in the ROD are necessary to protect public health or welfare or the environment from actual or threatened releases of DU into the environment at the FSA and Line 1 at the IAAAP.

No principal threat wastes are present at OU-8 because no source materials are considered to be highly toxic or highly mobile. Principal threat wastes do not exist at OU-8, because no drummed wastes, non-aqueous-phase liquids, or highly toxic or highly mobile contaminants are present.

The principal COC for OU-8 is DU (including the isotopes uranium [U]-234, U-235, and U-238). DU contamination was observed in soil samples collected at the FSA. The extent of DU soil contamination was generally limited to soil directly beneath DU fragments that were observed in the field to be oxidizing to an approximate depth of 2 ft. DU fragments were found across the FS-12 Area in all directions from the firing pad (ground zero), and were concentrated primarily within a 100-m radius of ground zero. DU fragments were found beyond the 100-m radius, but the quantity of identified fragments decreased with distance from ground zero. DU fragments were also found in small localized areas at the FS-1 and FS-2 Area, the FS-3, FS-4, and FS-5 Area, and at the FS-6 Area, with contamination limited to approximately 1.0 m² surrounding the fragments. In accordance with the 2006 Dispute Resolution Agreement, the FUSRAP response at the FSA was limited to the removal of DU fragments and DU-contaminated soil. Potential chemical contaminants resulting from site practices, such as explosives and metals, are not being addressed because the FSA is an operational test range currently being used to test military munitions.

Radiological surveys indicated that small interior surfaces of some structural components at two buildings (Buildings 1-11 and 1-63-6) at Line 1 exhibited discrete areas of radiation that exceeded the structural DU RG.

Chemical contaminants, including explosives and metals, were evaluated at Yards C, G, and L. However, based on the evaluated human health and ecological exposure scenarios that assumed current and reasonable/foreseeable future industrial land use, no potential ECRs or noncancer HIs exceeding USEPA target criteria were determined for chemical contamination at Yards C, G, or L. No DU or chemical contamination was found at Yards C, G, or L in concentrations exceeding the RI SLs.

3.4 REMEDIAL ACTIONS

Under the FUSRAP ROD, soil remediation was required at the FSA to achieve the DU RGs for industrial land use (USACE 2011a). In addition, the ROD required physical decontamination of DU-contaminated structural surfaces and/or replacement of structural components at Line 1 (i.e., a grate over a sump in Building 1-11 and the air filters in an air handling unit in Building 1-63-6). The Yards C, G, and L soil and structures and Warehouse 3-01 had not been

impacted by DU, and no chemical COPCs were evaluated in soil. Therefore, no remediation was required in these areas under the FUSRAP ROD to achieve industrial land use.

In accordance with the 2006 Dispute Resolution Agreement, the FUSRAP response at the FSA was limited to the removal of DU fragments and DU-contaminated soil (U.S. Army 2006). Potential chemical contaminants resulting from site practices, such as explosives and metals, are not being addressed because the FSA is an operational test range currently being used to test military munitions. Additional response actions will be addressed when the FSA ceases to be operational, unless releases from the FSA require an immediate response to protect human health or the environment.

3.4.1 Remedy Selection

The remedial actions at OU-8 were implemented by the USACE in accordance with the FUSRAP ROD (USACE 2011a). No immediate threats to human health or the environment were identified for the OU-8 areas. Therefore, no interim removal actions, non-time critical or time critical, were conducted.

3.4.1.1 Remedial Action Objectives

The FUSRAP ROD identified the following RAOs, based on current and expected future industrial (military) land use of the IAAAP, in conjunction with human health doses and ECRs estimated for the IAAAP current and future site worker and future construction worker at the FUSRAP areas:

- Prevent ingestion, dust inhalation, and external gamma radiation exposures to isotopes of DU in the FSA soil that could otherwise result in cumulative CRs exceeding $1.0E-04$ and radiological doses exceeding 25 mrem per year for receptors under the current (industrial) and expected future (industrial) land use scenarios.
- Prevent radiation exposures from DU particles embedded in and/or adhered to structural surfaces or components of the Line 1 buildings that could otherwise result in cumulative CRs in exceedance of $1.0E-04$ and a total effective dose equivalent (TEDE) exceeding 25 mrem per year.

Achievement of the soil and structural RAOs will reduce potential doses and ECRs to the IAAAP current and future site worker and future construction worker to levels below target criteria (25 mrem per year and $1.0E-04$, respectively).

At OU-8, RGs are soil or structural surface concentrations for DU that, if allowed to remain in place, would not result in adverse human health or environmental impacts under the exposure scenarios evaluated in the BRA. Based on the results of the BRA, RGs were developed for protection of human health under an industrial land use scenario (i.e., “industrial RGs”), based on potential industrial site worker exposures to DU in soil at the FSA and DU in OU-8 area structures.

Table 3-2 presents a summary of the soil and structural RGs derived for OU-8. These industrial RGs comply with ARARs, are protective of human health and environment, and are consistent with the NCP. All industrial RGs proposed are risk-, or ARAR-based concentrations. Soil and structural industrial RGs for DU were derived for the *FUSRAP Feasibility Study Report for the Iowa Army Ammunition Plant, Middletown, Iowa* (FUSRAP FS) (USACE 2011c) using the RESidual RADioactivity (RESRAD) computer model Version 6.4 and RESRAD-BUILD model Version 3.4, respectively, and selected as the lower of risk-based and dose-based values. Both the risk- and dose-based values were derived based on the known activity percentages of the

uranium isotopes in DU. Industrial RGs were derived for DU-contaminated soil at the FSA and OU-8 area structures.

Table 3-2. Remediation Goals for Soil and Structures at OU-8

COC	Soil RG (pCi/g)	Structures RG (dpm/100 cm ²)
DU	150	23,000

3.4.1.2 Remedy Components

The final remedy for OU-8 addresses soil and structures that are radiologically contaminated as a result of the AEC operations previously conducted at the IAAAP. The principal COC is DU.

The main components of the remedy for soil include the following:

- Excavation of DU-contaminated soil to meet the industrial RG at the FS-1 and FS-2 Area; FS-3, FS-4, and FS-5 Area; FS-6 Area; and FS-12 Area;
- No excavation would be conducted at Yards C, G, or L, or FS-14;
- Physical treatment of DU-contaminated soil excavated from the FS-1 and FS-2 Area; FS-3, FS-4, and FS-5 Area; FS-6 Area; and FS-12 Area via soil sorting;
- Materials exceeding the DU RG would be disposed at a properly permitted off-site facility. Materials meeting the DU RG may be used as backfill, as appropriate;
- Site restoration, including backfilling, grading and re-vegetation; and
- Continued industrial land use supported by use restrictions and outgrants administered by the U.S. Army as part of its land management responsibilities.

The main components of the remedy for structures include the following:

- Decontamination of structural surfaces and/or replacement of structural components (e.g., Building 1-11 floor grate and Building 1-63-6 air filters) to achieve the industrial RG for structures;
- Disposal of DU-contaminated materials at a properly permitted off-site facility; and
- Continued industrial land use supported by use restrictions and outgrants administered by the U.S. Army as part of its land management responsibilities.

3.4.2 Remedy Implementation

The remedial activities conducted at OU-8 are described in the *Remedial Design/Remedial Action Work Plan, Iowa Army Ammunition Plant, Operable Unit 8, Depleted Uranium Contaminated Soil and Structure Remediation* (FUSRAP OU-8 RD/RAWP) (USACE 2013). The FUSRAP OU-8 RD/RAWP was issued in February 2013.

Remedial actions for OU-8 are being conducted to remediate DU-contaminated soil and structures at the FSA and to decontaminate or replace DU-contaminated components located in two structures at Line 1. Soil with DU present at levels exceeding the site-specific RG of 150 pCi/g is excavated based on the delineation of DU-contaminated material as presented in the FUSRAP OU-8 RD/RAWP (USACE 2013). The remedial action also includes decontamination of structural surfaces or replacement of structural components to achieve the DU RG of 23,000 dpm/100 cm² for structures.

To facilitate the stockpiling and transport of contaminated soil from the FS-12 Area to the M-Yard stockpile area, the M-Yard was surveyed, mowed, and roto-tilled in July 2015. A retaining wall was built on the southern end of the stockpile area for storm-water retention and elevated access for loading railcars. A polyethylene liner was installed in the stockpile area. In addition, the M-Yard and the haul road between the FS-12 Area and the M-Yard were radiologically surveyed and any necessary improvements were made to the haul road.

The following subsections summarize the primary activities conducted during the remediation of OU-8, including pilot testing; decontamination/replacement of structures/structural components; excavation; treatment, transport, and disposal of wastes; and site restoration.

3.4.2.1 Pilot Test

Prior to the initiation of remedial action activities at OU-8, a pilot study was implemented to determine the feasibility and cost-effectiveness of using a full-scale radiological soil sorting system to detect and screen out DU fragments from surrounding soil with sufficient sensitivity to achieve the soil RG (150 pCi/g). The scope of work for the pilot study was to deliver, assemble, configure, calibrate, test, operate, and evaluate AMEC Environment & Infrastructure's (AMEC's) Orion *ScanSort*SM (a conveyor-assisted, automated soil surveying and sorting system).

The remedial action contractor mobilized on May 13, 2013, at the FS-12 Area for site preparation activities associated with the pilot test. Beginning on June 26, 2013, DU-contaminated soil at the FS-12 Area was excavated, stockpiled, and then processed through the *ScanSort*SM soil screening and sorting system. Soil was excavated from several different areas across the FS-12 Area and at varying depths to represent the different types of soil and varying levels of DU contamination found at the FS-12 Area. The soil was processed through the *ScanSort*SM system in a variety of configurations along with discrete DU sources of known radioactivity and mass, in order to optimize the operational characteristics of the system. The pilot test was completed on July 19, 2013, and the remedial action commenced on August 6, 2013.

Results of the pilot study indicated that the *ScanSort*SM system was able to consistently detect and isolate DU fragments. Based on the full-scale demonstrations conducted using FS-12 Area soil, it was estimated that it would be able to produce a contaminated soil volume reduction of greater than 90 percent during full-scale soil remediation activities at the FS-12 Area. The detailed results of the pilot test are documented in the *Final Soil Sorting Pilot Study Test Report Iowa Army Ammunition Plant Operable Unit 8, Depleted Uranium Contaminated Soil and Structure Remediation* (USACE 2014a).

3.4.2.2 Decontamination/Replacement of Structures/Structural Components

Several structures at OU-8 areas were found to have isolated DU surface contamination or were not surveyed during the RI. To support the remediation of structures, additional radiological surveys are being conducted following remediation of adjacent soil as needed to determine if any additional areas with radiological contamination are present. Remedial activities for OU-8 also included decontamination of structural surfaces and/or replacement of structural components (e.g., Line 1 Building 1-11 floor grate and Line 1 Building 1-63-6 air filters).

For Building 1-11, the remediation involved decontamination or replacement of sections of the steel floor grate as necessary to meet the structure RG. On April 17, 2014, the contaminated floor grate at Building 1-11 was removed, and after decontamination/replacement was completed, the floor grate was re-installed on July 13, 2015. At Building 1-63-6, the remediation involved replacing the

heating, ventilation, and air conditioning (HVAC) system air filter that exceeded the structure RG in order to meet the industrial RG for structures. This activity was conducted on April 17, 2014.

3.4.2.3 Excavation

The FUSRAP ROD required the removal of an estimated 22,023 ex-situ yd³ of contaminated soil from the FSA. The estimated volumes requiring excavation from each FS are provided in Table 3-3 (USACE 2011a).

Table 3-3. Comparison of Estimated Volume of Excavated Soil Exceeding the Depleted Uranium RG (150 pCi/g) to Calendar Year End 2017 Actual Volumes and Projected Volume at End of Remedial Action

Area	FUSRAP ROD Estimated Soil Volumes ^a		Projected Final Excavated Volume ^b	
	(m ³)	(yd ³)	(m ³)	(yd ³)
FS-1 and FS-2 Area ^c	0.8	1.0	<0.8	<1.0
FS-3, FS-4, and FS-5 Area ^c	0.8	1.0	<0.8	<1.0
FS-6 Area ^c	0.8	1.0	<0.8	<1.0
FS-12 Area	16,835	22,020	51,255	67,000
Total Volume	16,838	22,023	51,227	67,003

^a From the FUSRAP ROD (USACE 2011a).

^b Current projected volumes for the FS-12 Area to end of remedial action.

^c Only has isolated DU fragments.

The extent of contamination at the FS-1 and FS-2 Area was limited to an approximate 1-m² area adjacent to the driveway leading from the FSA access road into the FS-1 and FS-2 area and limited in depth to approximately 0.5 ft bgs. In June 2011, a small soil area with elevated gamma count rates was investigated by USACE to support a driveway expansion project at the FS-1 and FS-2 Area (USACE 2013). A small volume of soil (less than 1.0 yd³) was removed and placed in a drum at the FS-12 Area to be disposed during the remedial action being conducted at the FS-12 Area. Verification sampling was conducted at locations spread across the FS-1 and FS-2 Area, and results indicated that no remaining soil samples exceeded the RG of 150 pCi/g. Additional gamma walkover surveys (GWSs) performed on the excavated surface indicated background count rates. Therefore, no additional remediation is planned for the FS-1 and FS-2 Area (USACE 2013). The results of the remediation and the verification activities will be presented in the OU-8 RACR at the completion of OU-8 remedial activities.

During August 2013, a remedial action was performed at the FS-3, FS-4, and FS-5 Area (USACE 2014b). The extent of the contamination at the FS-3, FS-4, and FS-5 Area was limited to a small area associated with a single DU fragment located adjacent to the FS-5 loading dock and limited in depth to approximately 0.5 ft bgs. Oxidized uranium leached from the object into the underlying soil; however, the area affected by the DU object was limited to approximately 2 m². A small volume of soil (approximately 1.0 yd³) was removed and taken to the FS-12 Area for sorting and eventual off-site disposal as part of the remedial action at the FS-12 Area. Verification sampling was conducted in 2013 and 2014. No soil samples had results that exceeded the DU RG of 150 pCi/g. Additional GWS performed on the excavated surfaces indicated background count rates. The results of the remediation and the verification activities will be presented in the OU-8 RACR at the completion of OU-8 remedial activities.

The extent of contamination at FS-6 was limited to a small area associated with a single DU fragment located near the northeast corner of the intersection of the main firing sites roadway

and the access road that connects FS-6 with the FS-12 Area (USACE 2013). In August 2013, the DU fragment was removed, and a small volume of contaminated soil (less than 1.0 yd³) was excavated from the FS-6 Area. The soil was then taken to the FS-12 Area to be processed, packaged, and disposed of with the FS-12 Area soil. A second area of DU-contaminated soil was identified during a previous investigation of the FS-6 Area that occurred in the year 2000. That area was further investigated during the 2006 to 2007 RI field activities; however, the area with the elevated gamma count rate associated with that contaminated soil could not be located. Based on the inability to relocate that area, no additional remedial actions will be taken at FS-6 in regard to the previous detection (USACE 2013).

Remediation of DU-contaminated soil at the FS-12 Area is the major portion of the remedial action at OU-8. The FUSRAP ROD requires the excavation of approximately 8,094 m² of DU and DU-contaminated soil to meet the industrial RG at the FS-12 Area (USACE 2011a). In addition, wastes from the other OU-8 areas are transported to the on-site processing area at the FS-12 Area, where the soil and debris are segregated and processed using the *ScanSort*SM system, in preparation for DU-contaminated material disposal.

Excavation activities at the FS-12 Area began August 6, 2013. Large-scale excavation activities were initiated at the FS-12 Area on April 14, 2014, and are ongoing. Excavation activities are seasonal, subject to weather and access limitations.

In order to facilitate the design and management of remedial activities, the FS-12 Area was divided into excavation areas, with the targeted areas located and marked with stakes. In general, an excavator removes the soil in nominal lifts of 8 to 10 inches and transports the material to the stockpile area. Upon completion of excavation activities, a final status survey (FSS) is conducted (including collection of post-excavation soil samples and performance of a GWS) following *Multi-Agency Radiation Survey and Site Investigation Manual (MARSSIM)* guidance (DOD 2000).

3.4.2.4 Treatment, Transport, and Disposal

The *ScanSort*SM system was calibrated during startup of operations each day and at the end of each day of operations using soil with a known activity. After calibration, excavated stockpiled soil from the FSA was loaded onto the motorized mechanical-screening unit to break up the soil clumps and remove any large debris for reprocessing. The soil was then loaded into the feed hopper and processed through the radiation detector system. The processed soil was subsequently either diverted to the above-RG stockpile or to the clean soil stockpile. A total of 35,549 yd³ of soil from the FS-1 and FS-2 Area, the FS-3, FS-4, and FS-5 Area, the FS-6 Area, and the FS-12 Area were processed through the *ScanSort*SM system from calendar year (CY) 2013 through CY 2017. The sorting process was able to produce a contaminated soil (i.e., soil with COC concentrations in excess of RGs) volume reduction of 87.5 percent, resulting in 4,401 yd³ of contaminated soil for the CY 2013 through CY 2017 period.

The contaminated soil was transported by trucks to the stockpile staging area in the M-Yard. Additional waste materials, including contaminated non-soil materials, personal protective equipment (PPE), asbestos containing tiles, and a portion of the grate from Building 1-11, were hauled to the M-Yard for disposal with the soil. The waste materials were loaded into rail cars for transportation to Energy Solutions in Clive, Utah, for disposal. Waste materials were stored and transported in accordance with the FUSRAP OU-8 RD/RAWP (USACE 2013).

3.4.2.5 *Site Restoration*

Site restoration activities are being conducted at OU-8 in incremental phases as remediation of the different areas is completed. Restoration activities include grading and soil backfill; seeding; incremental removal of staging areas, stockpile areas, temporary haul roads, and process pads; incremental removal of remedial action access control features; installation of any engineering controls (fences, signs) that might be deemed necessary; and removal of any remaining project offices or other site utilities (USACE 2013).

Site restoration activities have been conducted in the remediated areas of OU-8 (Line 1 structures; the FS-1 and FS-2 Area; and the FS-3, FS-4, and FS-5 Area). Remediation and/or verification activities at the FS-6 Area and FS-12 Area are ongoing. Site restoration will be conducted at the FS-6 Area and FS-12 Area as different phases of the operational phase of the remedy are completed.

3.4.2.6 *Status of Remedy Implementation*

Remediation activities began at OU-8 in May 2013 and continue to the present day. The remediation activities at the following OU-8 areas have been completed: Line 1 Structures; the FS-1 and FS-2 Area; and the FS-3, FS-4, and FS-5 Area. Remediation activities are anticipated to be complete at the FS-6 Area, but verification sampling must be performed to verify no contamination in excess of the DU RG remains onsite. Excavation activities at the FS-12 Area are ongoing.

At the completion of remedial activities at OU-8, pre-final and final inspections will be conducted. A RACR will be submitted after completion of the inspections.

ICs are required under the selected remedy. Existing installation-wide ICs include continued industrial land use supported by use restrictions and outgrants administered by the U.S. Army as part of its land management responsibilities as documented in the FUSRAP ROD (USACE 2011a). IAAAP procedures that are currently in place provide the necessary site controls to protect plant workers, contractors, and other site visitors from residual contamination at OU-8. Currently, coordination of digging permits, utility repairs, maintenance, or other site work is accomplished through internal coordination between AO and the IAAAP staff to ensure workers are aware of and protected from potential environmental hazards (Tetra Tech 2006a). Table 3-4 summarizes the existing ICs that are relevant to OU-8.

The land use restrictions at OU-8 are maintained subject to the U.S. Army's Base Master Plan, a contractual arrangement between the U.S. Army and the IAAAP operating contractor, or some other comparable control mechanism. The land use restrictions will be formally documented, including provisions for appropriate use restrictions, if the property is ever transferred to non-federal ownership.

Engineering controls are in place at the FSA, including security fences and signs. No additional site-specific engineering controls were implemented as part of this remedial action.

Table 3-4. Summary of Planned and/or Implemented LUCs for OU-8

Media	ICs Needed	LUCs Called for in Decision Documents	Impacted Parcel	IC Objective	Title of IC Instrument and Date Implemented (or Planned)
Soil	Yes	Access Controls	Entire Installation	Restrict access to FUSRAP areas in OU-8	Current: IAAAP perimeter security fence and site security.
			FSA	Prevent or restrict access to the FSA	Current: Access controls at the FS-12 Area restrict access to excavation areas and processing areas. These access controls consist of fencing, gates, and signage.
	Yes	Land Use Restrictions	Entire Installation	Restrict land use to industrial/commercial land use at OU-8	Current: Industrial land use is currently maintained by the IAAAP.
			FSA	Prevent or restrict intrusive activities (excavation, utility work, drilling, construction) at OU-8	Current: IAAAP procedures (work permits, safety procedures, etc.).

3.4.3 System Operations/Operation and Maintenance

To date, no O&M has been conducted at the OU-8 areas.

3.5 PROGRESS SINCE THE LAST FIVE-YEAR REVIEW

This is the first five-year review by USACE for the FUSRAP areas.

3.6 FIVE-YEAR REVIEW PROCESS

3.6.1 Administrative Components of the Five-Year Review Process

The five-year review process included notifying regulatory agencies, the community, and other interested parties of the start of the five-year review; establishing the five-year review team in consultation with the USEPA, IDNR, and IAAAP (Table 3-5); reviewing relevant documents and data pertaining to the remedial actions conducted over the past 5 years; conducting site inspections; conducting site interviews; and developing/reviewing this Five-Year Review Report. Each of these elements is discussed in the following sections.

Table 3-5. Identification of Five-Year Review Team Members

Name	Agency, Office	Title
Michael L. Kessler	USACE St. Louis District	FUSRAP IAAAP Project Manager
Lt. Col. Stephen T. Koehler	IAAAP	IAAAP Commander
Danny O’Connor	USEPA Region 7	Remedial Project Manager
Daniel Cook	IDNR	Environmental Specialist
Jen Busard	IAAAP	Environmental Program Restoration Manager

3.6.2 Community Notification and Involvement

Community notification that a five-year review is being conducted was accomplished by publishing a public notice in Burlington’s *The Hawk Eye* on April 9, 2018. A public notice was also posted on the Mississippi Valley USACE website; posted on the Facebook page on March 1, 2018; and

displayed at the Burlington Public Library from March 3 through May 3, 2018. Additionally, the review was also identified during the FUSRAP update presentation at the January 2018 RAB meeting held in Burlington, Iowa.

The final Five-Year Review Report will be available in the administrative repositories at the following locations:

- IAAAP Visitor Reception Area in the IAAAP Administrative Building 100-101, 17571 DMC Highway 79, Middletown, IA 52638-5000;
- Burlington Public Library, 501 North Fourth Street, Burlington, IA 52601; and the
- FUSRAP Project Office, 8945 Latty Avenue, Berkeley, MO 63134-1024.

3.6.3 Document Review

The documents used in this report are listed in Section 4. For this review, site-related documents were retrieved from the following websites:

- the publicly accessible RAB/administrative record website (<http://www.iaaaprestoration.com>) and/or
- the FUSRAP administrative record website (<http://www.mvs.usace.army.mil/Missions/CentersofExpertise/FormerlyUtilizedSitesRemedialActionProgram/IowaFUSRAPAdministrativeRecord.aspx>).

3.6.4 Data Review and Evaluation

The data review component of this five-year review consisted of examining environmental monitoring data collected as part of remedial action conducted at OU-8. The environmental monitoring program for OU-8 includes the preparation of an annual Environmental Monitoring and Data Analysis Report (EMDAR) that consolidates and evaluates the environmental monitoring data over a single CY. This review is based on data presented in the CY 2013, CY 2014, CY 2015, and CY 2016 EMDARs (USACE 2014b, 2016b, 2016c, 2017). The CY 2017 EMDAR was not available at the time of this review. The EMDARs for OU-8 assess compliance with ARARs and form the basis for assessing the status of residual contaminants and the potential for contaminant migration.

Only summaries of the EMDAR data evaluations are presented here. For a complete presentation and evaluation of the data reviewed, please refer to the annual EMDARs for each CY.

The following types of data were reviewed from the OU-8 monitoring program:

- Radiological air data (airborne radioactive particulate monitoring);
- Surface-water and sediment data (from samples collected in Long Creek and its tributary downstream of the FS-12 Area); and
- Storm-water data.

Verification data generated by remedial actions that are not complete (i.e., the remedial action at the FSA) were not reviewed. These data will be reviewed for the next Five-Year Review Report.

3.6.4.1 Radiological Air Monitoring

General area air samples were collected around active excavation perimeters and in areas where soil sorting activities and loadout activities were being conducted, with the results used to

determine the site emissions. Particulate air samples were collected from several locations around the perimeter of the FS-12 Area excavation, soil sorting area, soil stockpile areas, and the M-Yard loadout area. The sampling was conducted using an air pump and a Ludlum Model 2929 Radiation Monitor. In-situ emissions from inactive areas of IAAAP OU-8 were not calculated, because the surface soil at the IAAAP is generally covered with vegetation that limits the potential for material to become airborne.

Radiological air data collected at OU-8 through airborne radioactive particulate monitoring were evaluated by comparison to the appropriate ARAR-based criteria identified in the FUSRAP ROD (USACE 2011a). In addition, the radiological air data were also used as inputs to calculate the TEDE to the hypothetical maximally exposed individual at OU-8.

The results of the air monitoring are used to evaluate compliance with two ARARs: 10 *CFR* 20.1403(b), and 10 *CFR* 20.1101(d):

- 10 *CFR* 20.1101(d): requires that emissions of radioactive material to the environment, excluding radium (Ra)-222 and its daughters, are maintained so the highest individual dose to the public will not exceed 10 mrem per year. The evaluation for compliance with the 10 *CFR* 20.1101(d) ARAR is accomplished using the USEPA computer code CAP88-PC to determine dose from radioactive airborne emissions to members of the public located at specific distances and directions from the site.
- 10 *CFR* 20.1403(b): requires that the TEDE from residual radioactivity distinguishable from background to the average member of the critical group will not exceed 25 mrem per year. The evaluation for compliance with the 10 *CFR* 20.1403(b) ARAR is accomplished by calculating the total dose from contaminant exposures, resulting from soil excavation, sorting, and loadout activities at the FS-12 Area, to the closest onsite worker at the FS-1 and FS-2 area, via the most significant migration pathway, which is airborne emissions. Consequently, both ARARs were evaluated against only the total dose from airborne emissions and all of the radiological exposure routes (i.e., ingestion, inhalation, air immersion, ground surface, internal and external radiation) associated with airborne emissions.

Compliance with 10 *CFR* 20.1101(d) automatically ensures compliance with 10 *CFR* 20.1403(b), because both are dose-based limits of 10 and 25 mrem per year, respectively, to the average member of the critical group.

The average member of the critical group (i.e., “Potential Human Receptor”) for the site is the current and future site worker and the future construction worker. For the purposes of this evaluation, the current and future site worker is an IAAAP employee working at the FS-1 and FS-2 Area, located approximately 1,285 m south of the FS-12 Area.

The evaluation for compliance with the 10 *CFR* 20.1101(d) ARAR is accomplished using the USEPA computer code CAP88-PC to determine dose from radioactive airborne emissions to members of the public located at specific distances and directions from the site. The evaluation for compliance with the 10 *CFR* 20.1403(b) ARAR is typically accomplished by calculating dose from all pathways, including radioactive airborne emissions (inhalation), ingestion, dermal contact, external gamma radiation, and radon; however, based on the location of the current and future site worker at the FS-1 and FS-2 Area, the FUSRAP ROD considers exposure from all pathways except airborne emissions to be insignificant. Therefore, both ARARs were evaluated using only the dose from airborne emissions. Additionally, and as previously stated, compliance with 10 *CFR* 20.1101(d) will automatically ensure compliance with 10 *CFR* 20.1403(b), because both are dose-based limits of 10 mrem per year and 25 mrem per year, respectively, to the same receptor.

Exposures to potential trespassers and recreational users (e.g., hunters) are considered infrequent and insignificant, because of access restrictions to the IAAAP property as well as the physical characteristics of each area therein.

Although not required, 40 *CFR* 61.103 (the USEPA's equivalent regulation to 10 *CFR* 20.1101(d)), Appendix E, provides a procedure to determine compliance with radioactive airborne emissions. This procedure was followed to calculate dose to the potential receptors (e.g., residential, farm, business, and school receptors), as described in the subsequent paragraphs.

The average annual gross alpha concentrations for areas where remediation and soil sorting activities were being conducted (the FS-12 Area), and areas where stockpiling and loadout activities were being conducted (M-Yard) for CY 2013 through CY 2016 are presented in Table 3-6.

Table 3-6. OU-8 Air Particulate Monitoring

CY	Average Annual Gross Alpha Concentration ($\mu\text{Ci}/\text{mL}$)	
	Sampled at FS-12 Area ^a	Sampled at M-Yard ^b
2013	4.24E-14	NA
2014	3.50E-14	NA
2015	4.68E-14	3.18E-14
2016	1.86E-14	2.09E-15

^a Includes the emission rates from the remedial action, soil sorting, and soil stockpiles

^b Includes the emission rates from soil stockpiles and loadout activities.

Note:

NA – not applicable: stockpiling and loadout activities for the OU-8 remedial action were initiated at the M-Yard in CY 2015.

The average gross alpha air particulate concentrations from Table 3-6 were used along with the uranium activity fractions and unit conversion equations to calculate the emission rates for each area (Table 3-7). The uranium activity fractions listed in Section 2.5.7 of the FUSRAP ROD were used: 90.14 percent U-238; 1.45 percent U-235, and 8.40 percent U-234 (USACE 2011a). More details concerning the derivation of the results in Table 3-7 are provided in the EMDARs.

Table 3-7. OU-8 Airborne Radioactive Particulate Emission Rates Based on Excavation Perimeter Air Samples

CY	Radionuclide	Emission Rate (Ci/year) ^a	
		FS-12 Area	M-Yard
2013	U-238	1.1E-02	NA
	U-235	1.8E-04	NA
	U-234	1.0E-03	NA
2014	U-238	4.2E-02	NA
	U-235	6.8E-04	NA
	U-234	4.0E-03	NA
2015	U-238	1.2E-02	1.3E-04
	U-235	2.0E-04	2.0E-06
	U-234	1.2E-03	1.2E-05
2016	U-238	1.5E-02	7.8E-05
	U-235	2.4E-04	1.3E-06
	U-234	1.4E-03	7.3E-06

^a Emission rate based on 365-day period at a respective flow rate as determined from the average annual wind speed and the effective site area. The specific values and formulas used to calculate the flow rates are presented in each EMDAR.

Note:

NA – not applicable: stockpiling and loadout activities for the OU-8 remedial action were initiated at the M-Yard in CY 2015.

The emission rates shown in Table 3-7 were used to calculate the annual dose rates to residential, school, business, and farm receptors using the CAP88-PC model. As shown in Table 3-8, the CAP88-PC results for CY 2013 through CY 2016 demonstrate that all OU-8 receptors, including the hypothetical maximally exposed individual at OU-8 (i.e., the business receptor, an IAAAP employee at the FS-1 and FS-2 Area, who is an average member of the critical group), receive less than the dose standards prescribed in 10 *CFR* 20.1101(d) (10 mrem per year) and 10 *CFR* 20.1403(b) (25 mrem per year). The annual dose rates calculated for all IAAAP OU-8 receptors, including the hypothetical maximally exposed individual at OU-8, were less than 0.1 mrem per year.

Table 3-8. OU-8 CAP88-PC Results for Receptors

CY	Source	Annual Dose Rate ^a (mrem/year)			
		Resident ^a	School ^b	Business ^c	Farm ^a
2013	FS-12 Area	<0.1	<0.1	<0.1	<0.1
2014	FS-12 Area	<0.1	<0.1	<0.1	<0.1
2015	FS-12 Area and M-Yard ^d	<0.1	<0.1	<0.1	<0.1
2016	FS-12 Area and M-Yard ^d	<0.1	<0.1	<0.1	<0.1

^a 100 percent occupancy factor.

^b Corrected for the 23 percent occupancy factor (40 hours per week for 50 weeks per year).

^c The business receptor, an IAAAP employee at the FS-1 and FS-2 Area, is an average member of the critical group.

^d The individual dose results for the FS-12 Area and the M-Yard were summed.

3.6.4.2 Surface-Water and Sediment Sampling

Surface-water and sediment samples were collected as a best management practice to ensure that erosion controls are effective during remedial actions at the FSA. Surface water and sediment are collected at 10 sampling locations along Long Creek and its tributary (Figure 12) and analyzed for the radiological constituents associated with DU (i.e., U-234, U-235, and U-238). The radiological results for CY 2014 through CY 2016 surface-water sampling events are presented in Table 3-9. The results of the sampling were used to evaluate the radiological conditions of Long Creek and its tributary downstream of the FS-12 Area and running to the east and south of the FS-12 Area to determine if runoff from the FS-12 Area is causing any increases in the uranium concentrations in surface water and sediment in Long Creek and its tributary. Surface-water and sediment data collected from Long Creek and its tributary are evaluated relative to historical sample results obtained at each station. Based on a comparison with pre-remediation sampling data (i.e., the 2007 sampling results from eight of these surface-water stations), there is no increasing trend in the uranium concentrations in surface water resulting from remediation activities. The majority of the uranium results are below or only slightly above their detection limits. The results of the surface-water sampling demonstrate no adverse effects to Long Creek or its tributary from the remedial activities at OU-8.

Table 3-9. OU-8 Radiological Results for Surface-Water Monitoring

Monitoring Station	Analyte	CY 2014	CY 2015		CY 2016	
		December	August	December	April	November
pCi/L						
IAAP100153	U-234	0.59	0.92	0.51 ^a	0.64	1.28
	U-235	0.16 ^a	0.18 ^a	0.63 ^a	0.63 ^a	0.20 ^a
	U-238	0.67	0.89	0.65	0.30	0.91
IAAP100154	U-234	0.63	0.56	0.52	0.48 ^a	0.83
	U-235	0.20 ^a	0.22 ^a	0.44 ^a	0.22 ^a	0.23 ^a
	U-238	0.64	0.33	0.38	0.52	1.07

Table 3-9. OU-8 Radiological Results for Surface-Water Monitoring (Continued)

Monitoring Station	Analyte	CY 2014	CY 2015		CY 2016	
		December	August	December	April	November
		pCi/L				
IAAP100155	U-234	0.95	0.54 ^a	0.70	0.71 ^a	0.62
	U-235	0.14 ^a	0.22 ^a	0.47 ^a	0.23 ^a	0.24 ^a
	U-238	0.34	0.75	0.54 ^a	0.42 ^a	0.44 ^a
IAAP100164	U-234	1.12	0.72	0.31 ^a	0.37	^b
	U-235	0.16 ^a	0.58 ^a	0.47 ^a	0.19 ^a	^b
	U-238	1.44	0.64	0.13 ^a	0.45	^b
IAAP100165	U-234	0.68	0.16 ^a	0.45	0.61 ^a	0.74
	U-235	0.16 ^a	0.59 ^a	0.17 ^a	0.48 ^a	0.25 ^a
	U-238	0.58	0.16 ^a	0.36	0.68	0.20 ^a
IAAP100178	U-234	0.39	0.36	0.67	0.60	0.42 ^a
	U-235	0.15 ^a	0.39 ^a	0.42 ^a	0.22 ^a	0.52 ^a
	U-238	0.37 ^a	0.13 ^a	0.41	0.49	0.80
IAAP100180	U-234	0.77	0.36	0.42	0.62	0.35 ^a
	U-235	0.16 ^a	0.20 ^a	0.15 ^a	0.24 ^a	0.20 ^a
	U-238	0.43	0.38 ^a	0.40	0.58	0.35 ^a
IAAP100187	U-234	1.07	0.52	0.34 ^a	0.43	0.39
	U-235	0.20 ^a	0.55 ^a	0.52 ^a	0.21 ^a	0.71 ^a
	U-238	0.48 ^a	0.33	0.42	0.43	0.29
IAAP177509	U-234	0.90	1.79	0.48	0.43 ^a	1.06
	U-235	0.17 ^a	0.21 ^a	0.19 ^a	0.24 ^a	0.20 ^a
	U-238	0.43	1.17	0.29	0.19 ^a	0.72
IAAP177517	U-234	0.71	0.54 ^a	0.63	0.47	0.93
	U-235	0.16 ^a	0.22 ^a	0.17 ^a	0.65 ^a	0.57 ^a
	U-238	0.52	0.43 ^a	0.51	0.68	0.50

^a Reported result is less than the minimum detectable concentration (MDC) and is therefore set equal to the MDC.

^b No surface water was present at the sample location due to seasonal weather conditions. No surface-water sample was collected.

Sediment samples were collected in depositional environments near each of the 10 surface-water locations (Figure 12) and analyzed for U-234, U-235, and U-238. The radiological results for CY 2014 through CY 2016 sediment sampling events are presented in Table 3-10. In addition, the radiological results for the sediment sampling conducted at 8 sampling locations as part of the FUSRAP RI (USACE 2008a) are included to provide pre-remediation results for comparison purposes.

The FUSRAP ROD (USACE 2011a) established a soil RG of 150 pCi/g for DU which uses U-238 as a surrogate. Based on a comparison of the sediment sampling results for U-238 with the DU RG, all sediment monitoring results for U-238 were less than the RG established in the FUSRAP ROD. The results of the sediment sampling demonstrate no adverse impacts to Long Creek or its tributary from the remedial activities at OU-8.

Table 3-10. OU-8 Radiological Results for Sediment Monitoring

Station	Radionuclide	April 2007	December 2014	August 2015	December 2015	April 2016	November 2016
		pCi/g					
IAAP100153	U-234	^a	0.56	0.51	0.43	0.99	0.42
	U-235	0.11 ^b	0.05 ^b	0.58 ^b	0.13 ^b	0.17 ^b	0.21 ^b
	U-238	0.50	0.43	1.00	0.20 ^b	0.85	0.31 ^b

Table 3-10. OU-8 Radiological Results for Sediment Monitoring (Continued)

Station	Radionuclide	April 2007	December 2014	August 2015	December 2015	April 2016	November 2016
		pCi/g					
IAAP100154	U-234	^a	0.37	0.53 ^b	0.46	0.82	0.36 ^b
	U-235	0.17 ^b	0.13 ^b	0.55 ^b	0.28 ^b	0.36 ^b	0.44 ^b
	U-238	0.49	0.50	0.44 ^b	0.45	1.08	0.75
IAAP100155	U-234	^a	0.19	0.61 ^b	0.61	0.76	0.40
	U-235	0.17 ^b	0.12 ^b	0.61 ^b	0.24 ^b	0.18 ^b	0.20 ^b
	U-238	0.37	0.24	0.49	0.83	0.86	0.30 ^b
IAAP100164	U-234	^a	0.79	0.52 ^b	0.94	0.74	0.52
	U-235	0.22 ^b	0.12 ^b	0.57 ^b	0.33 ^b	0.14 ^b	0.40 ^b
	U-238	0.87	0.84	0.59	1.01	0.47	0.84
IAAP100165	U-234	^a	0.17	0.20 ^b	0.59	0.38	0.26
	U-235	0.13 ^b	0.05 ^b	0.24 ^b	0.37 ^b	0.26 ^b	0.33 ^b
	U-238	0.29	0.14	0.43	1.07	0.41	0.35
IAAP100178	U-234	^a	0.33	0.53	0.30 ^b	0.62	0.39
	U-235	0.11 ^b	0.13 ^b	0.49 ^b	0.17 ^b	0.15 ^b	0.19 ^b
	U-238	0.23 ^b	0.37	0.33	0.30 ^b	0.18	0.29
IAAP100180	U-234	^a	0.26	0.23 ^b	0.39	0.31 ^b	0.40
	U-235	0.16 ^b	0.13 ^b	0.52 ^b	0.27 ^b	0.21 ^b	0.28 ^b
	U-238	0.41	0.19	0.23 ^b	0.59	0.49	0.39
IAAP100187	U-234	^a	0.34	0.39	0.34	0.29 ^b	0.58
	U-235	0.14 ^b	0.16 ^b	0.36 ^b	0.27 ^b	0.27 ^b	0.15 ^b
	U-238	0.30	0.37	0.29 ^b	0.64	0.25	0.31
IAAP177509 ^c	U-234	^d	0.17	0.14 ^b	0.62	0.32 ^b	0.39
	U-235	^d	0.04 ^b	0.33 ^b	0.15 ^b	0.21 ^b	0.17 ^b
	U-238	^d	0.27	0.32 ^b	0.68	0.81	0.25
IAAP177517 ^c	U-234	^d	0.27	0.41	0.40	0.32	0.47
	U-235	^d	0.04 ^b	0.23 ^b	0.17 ^b	0.16 ^b	0.16 ^b
	U-238	^d	0.18	0.41	0.54	0.28	0.28 ^b

^a Sample was not analyzed for U-234.

^b Reported result is less than the MDC and is therefore set equal to the MDC.

^c Stations IAAP177509 and IAAP177517 were established and initially sampled in December 2014.

^d Sample not collected in 2007.

3.6.4.3 Storm-Water Monitoring

In CY 2016, storm-water monitoring was performed to determine if the loadout pile in the bermed loadout area at the M-Yard was having an effect on uranium concentrations in storm water. In CY 2015 and CY 2016, storm water would pond inside the bermed staging area located at the M-Yard, coming in contact with the loadout pile. The location of the staging area is shown on Figure 12.

Storm water that accumulated in the bermed loadout area at the M-Yard in CY 2015 was pumped from the staging area into a frac tank, sampled for uranium isotopes, and stored until CY 2016 (USACE 2016c). Storm-water monitoring analysis included unfiltered water samples for radionuclides associated with DU (i.e., U-234, U-235, and U-238). The radiological monitoring results for the storm-water sampling event are summarized in Table 3-11. All results are less than the SL of 300 pCi/L (i.e., the uranium effluent limit specified in Table 2 of 10 *CFR* 20, Appendix B), indicating elevated levels of uranium were not present in the storm-water samples. The results of the sampling demonstrate no adverse impacts to storm water resulting from the loadout pile at the M-Yard.

Table 3-11. OU-8 Radiological Results for CY 2016 Storm-Water Monitoring

Monitoring Station	Collection Date	Monitoring Parameters (pCi/L)		
		U-234	U-235	U-238
M-Yard	11/20/15 ^a	1.31	0.54	5.66

^a Sample collected in 2015 but released on 08/17/16.

All storm water (i.e., the storm water from CY 2015 that had been stored in the frac tank and the storm water that accumulated in the bermed loadout area in CY 2016) was discharged to an adjacent field in CY 2016. At the end of CY 2016, a drainage pipe was installed in the northwest corner of the staging area as a more permanent solution to the storm water that collects and ponds in the staging area.

3.7 SITE INSPECTION

A site inspection was conducted at the IAAAP on April 18, 2018. The purpose of the inspection was to visually assess the implementation and effectiveness of the initiated remedies assigned to the FUSRAP OU-8 areas. Those offices participating in the inspection included the USACE St. Louis District, USEPA, IDNR, and Leidos (USACE verification contractor). The inspection consisted of a driving and walking tour of the individual areas, with the personnel leaving the vehicles to walk the areas for several minutes or more. The weather was overcast and the temperature was 39 °F. No issues with visibility or access to the areas were observed.

The OU-8 sites inspected were the FSA, specifically the FS-12 Area and the M-Yard. The OU-8 areas designated for industrial land use (i.e., Yard C, Yard G, Yard L, and Warehouse 3-01) were not visited. No potential land use changes that would lessen the effectiveness of the selected remedies for the sites have occurred or are planned to occur.

No significant issues were identified as part of the site inspections. The general site conditions were good, and the sites are well maintained. Site access appeared to be sufficiently restricted where necessary.

A detailed summary of the inspection results is provided in Appendix F.

3.8 INTERVIEWS

Interviews were conducted between May 9 and June 6, 2018. Interview candidates were identified from a variety of organizations and groups familiar with the remediation being conducted under the FUSRAP at OU-8. Not all of those invited to participate chose to do so. Respondents included key site and contractor personnel involved in remediation projects at the IAAAP; several members of the RAB; and local, state, and federal government agency representatives. Interviews were conducted by either Michael L. Kessler, FUSRAP Project Manager for the IAAAP, USACE St. Louis District, or by Andrea Wales, FUSRAP Public Affairs, USACE St. Louis District.

A set of interview questions was transmitted to interview candidates by e-mail or by phone, and responses were recorded on individual interview record forms. Four different questionnaires were developed to conduct the interviews, based on the respondent's role (i.e., community member, contractor, government representative, etc.) and their extent of involvement in the remediation activities. All respondents were asked about their overall impression of the site remediation and if they had any comments, suggestions, or recommendations regarding site management or operations. Additional questions addressed how well informed they felt

regarding the project, their concerns (and the concerns expressed by the surrounding community) about the effects of site operations on the surrounding community, and if they knew of any incidents that may have occurred at the FUSRAP areas (e.g., vandalism, trespassing, or emergency responses from local authorities). A complete list of interview questions and the responses are provided on the individual review forms included in Appendix G, along with a list of the individuals who were interviewed. A summary of the interview results follows.

In general, the interviewees expressed a positive overall impression of the project. While acknowledging remediation at OU-8 has been a lengthy process, most interviewees stated they believe considerable progress has been made in recent years. A few respondents expressed there was room for improvement but recognized the problems associated with completing the work more quickly (i.e., complexity of work, multiple government agencies involved). Respondents indicated they felt the measures taken have been appropriate and have been conducted safely. One respondent indicated a negative impression of the OU-8 remediation because it did not appear to be addressing his concern that some potentially DU-impacted areas located outside the remediation limits defined for the FSA would not be investigated or remediated. Respondents were not aware of any vandalism incidents or negative effects of the site operations on the surrounding community. Two respondents noted they were aware of one emergency response that had occurred at the IAAAP, but this event (i.e., a grass fire caused when small melts at Line 3 overheated) was unrelated to FUSRAP activities at the OU-8 areas.

In general, respondents had no concerns and were unaware of any public concerns about the effects of site operations on the surrounding community. One exception was a respondent who expressed awareness of public concern over potential impacts to the surrounding community as a result of the transport of excavated materials through the community. The respondent suggested more community outreach outside the RAB be conducted to educate the public about these activities.

The majority of the respondents assessed the level of communication as very good. Respondents noted good communication between members of the environmental restoration team and indicated the information provided by the RAB meetings has kept them well informed of the site activities and progress. However, one respondent, a representative of the USEPA, expressed that the sharing of information was inadequate. He suggested the USACE should provide more frequent updates, in the form of quarterly reports and photographs of ongoing work, and that the USACE should provide more information concerning plans for future work to assist the USEPA with out-year planning and budgeting.

3.9 TECHNICAL ASSESSMENT

3.9.1 QUESTION A: Is the remedy functioning as intended by the decision documents?

Because the remedial action at OU-8 is under construction and is not yet completed, the remedy at OU-8 is expected to function as intended by the decision documents. Based upon a review of the documents; ARARs; exposure assumptions; and the results of the on-site inspection, it has been determined that the actions taken to date have been implemented as intended by the FUSRAP ROD.

Industrial land use continues at the OU-8 areas. Additionally, procedures are in place for maintaining site controls at the IAAAP to protect plant workers, contractors, and site visitors from site contaminants. Currently, coordination of digging permits, utility repairs, maintenance, or other site work is accomplished through internal coordination between AO and the IAAAP

staff to ensure that workers are aware of and protected from potential environmental hazards. Hunting and fishing are allowed on the IAAAP only in designated areas and are controlled through an in-place permit system.

3.9.2 QUESTION B: Are the exposure assumptions, toxicity data, cleanup levels and remedial action objectives used at the time of the remedy selection still valid?

Yes.

The exposure assumptions, toxicity data, cleanup levels, and RAOs used at the time of remedy selection are still valid, and any changes in these values have no impact on health protectiveness. As of the writing of this Five-Year Review Report, remediation of DU-contaminated soil and DU-contaminated soil on structural surfaces at the FSA are still in progress in order to achieve the DU RGs of 150 pCi/g and 23,000 dpm/100 cm², respectively, which were established in the FUSRAP ROD (USACE 2011a). However, decontamination/replacement of DU-contaminated components located in two structures (Buildings 1-11 and 1-63-6) at Line 1, have been completed in accordance with the FUSRAP ROD (USACE 2011a).

The information presented in the subsections that follow summarizes the rationale and evaluations that form the basis to this response. Appendix A, Attachment A-2, of this Five-Year Review Report presents the detailed response, as supported by Appendix E (Calculation Checks of Operable Unit 8 Remediation Goals for Depleted Uranium Based on Current Models and Data).

3.9.2.1 Changes in Standards and To Be Considered

During soil and structural surface remedial actions, which are ongoing at the FSA and Line 1, location-specific, chemical-specific, and action-specific ARARs established in the FUSRAP ROD (USACE 2011a) have been met. Attachment A-2 presents a list and analysis of the three ARARs for OU-8 in Table A-2-1. The analysis shows that all three standards continue to be relevant and appropriate, in the context of current site conditions and the remedies being implemented.

3.9.2.2 Changes in Exposure Pathways, Exposure Assumptions and Risk Assessment Methods

No changes in land use or physical characteristics at OU-8 have occurred that would lead to a change in the COCs, potential receptors, exposure pathways, or exposure assumptions that were applied during remedy selection and the development of the FUSRAP ROD RGs for both DU in soil and DU in soil on structural surfaces. Additionally, no changes in the radiological risk assessment methods used to evaluate ECRs and doses associated with exposures to DU in soil and DU in soil on structures at OU-8 have occurred.

3.9.2.2.1 Evaluations of Depleted Uranium in Soil

During the FUSRAP RI, a human health risk and dose assessment of the DU isotopes (i.e., U-234, U-235, and U-238) in soil was performed using RESRAD Version 6.3 that was developed at Argonne National Laboratory (ANL) for the DOE and released in December 2007. The RESRAD model, which is part of a family of RESRAD codes developed for the DOE for modeling ECR and dose, was designed to assess radiation exposures to a human receptor located on top of radiologically contaminated soil. Modeling ECR and dose using the RESRAD codes is an acceptable standard industry practice which has been applied by the USACE St. Louis FUSRAP for nearly 2 decades. For USACE St. Louis FUSRAP Sites, including IAAAP OU-8, the

RESRAD models are used to calculate the maximum ECR and dose to a receptor(s) that could occur over a 1,000-year evaluation period.

Following the completion of the FUSRAP RI (USACE 2008a), RESRAD Version 6.4, was used during the preparation of the FUSRAP FS (USACE 2011c) to calculate risk- and dose-based derived concentration guideline levels (DCGLs) for the individual isotopes of DU (i.e., U-234, U-235, and U-238) that were ultimately used as the basis for determining the FUSRAP ROD DU soil RG. The DCGLs that were used to calculate the RG are the minimum levels corresponding to the time of maximum dose or ECR over a 1,000-year period. The FUSRAP ROD RG of 150 pCi/g for DU in soil was derived based on a 1E-04 ECR to a site (industrial) worker hypothetically exposed to DU via soil ingestion, dust inhalation, and external ground radiation. Since selection of the remedy and establishment of the soil RG, the DOE has released three updates to the RESRAD model (the current version is RESRAD-ONSITE Version 7.2). None of the previous or current model updates include changes that would have resulted in changes to the exposure assumptions or to the methods used in calculating pathway-specific and total ECRs and doses that were used to derive the DU soil RG for the FUSRAP ROD.

Regarding ecological risks associated with DU in soil, the FUSRAP ROD (USACE 2011a) focused on protection of an endangered species, the Indiana bat, in a manner consistent with Appendix M of the BERA (USACE 2004) and the 2008 OU-1 IROD ESD (Tetra Tech 2008). The approved FUSRAP RI (USACE 2008a) and FUSRAP FS (USACE 2011c) established that there are no ecological risks to the Indiana bat, thus no ecological RAOs were established in the FUSRAP ROD. The ecological risk evaluations performed included evaluations of soil and sediment. Because Indiana bats tend to inhabit exfoliating trees and have very little potential for direct or indirect contact with DU in soil, the human health RG of 150 pCi/g is protective of the bat. This is reinforced by the fact that the RG was derived based on direct contact exposures to soil for the most likely receptor (i.e., a site worker). Evaluations of the Indiana bat in the FUSRAP RI indicated that exposures to soil would likely be indirect in nature via the ingestion of insects that emanate from larvae in the soil (USACE 2008a). However, with most of the DU contamination in soil at the FSA being present in the form of solid fragments, there is an insignificant potential for bioavailability to bats foraging on insects exposed to area soil.

Additionally, since finalization of the FUSRAP ROD, the DU RG has been applied to ongoing soil and DU fragment removals that have resulted thus far in the excavation and removal of soil and DU fragments from the FS-12 Area. These removal actions have further reduced the chances for ecological exposures to DU, as well as the potential for environmental migration of DU to sediments in Long Creek. The potential for ecological exposures will continue to decline as remediation progresses.

3.9.2.2.2 Evaluations of DU on Structural Surfaces

Similarly, during the FUSRAP FS (USACE 2011c), an RG for DU on structural surfaces (i.e., 23,000 dpm/100 cm², henceforth referred to as the “structural surface” RG) was derived for the FUSRAP ROD to determine the need for remediation of interior/exterior building surfaces and components at Line 1 and the FSA. The structural surface RG was derived using the DOE RESRAD-BUILD model Version 3.4 (i.e., RESRAD-BUILD 3.4), which was developed for assessing radiation exposures to a human receptor inside of a contaminated building or a building containing contaminated surfaces (e.g., walls, floors, furniture, equipment, etc.). Both dose-based and risk-based DCGLs were calculated in an effort to determine the most health-protective surface concentration for selection as the structural surface RG for the FUSRAP ROD. The structural surface DCGL DU that was ultimately selected as the FUSRAP ROD RG

(i.e., 23,000 dpm/100 cm²) is based on a 1E-04 ECR to a site worker hypothetically exposed in a hypothetical room, measuring 10 m by 10 m, and with a ceiling height of 2.5 m. The modeled scenario assumes that DU-contaminated soil in the room is present on the floor and all four walls of the room. Receptor exposures are assumed to occur via ingestion, dust inhalation, and external radiation (i.e., external radiation exposures to sources of infinite volume, planar surface sources, and air submersion).

The most current version of the RESRAD-BUILD model available, as of the writing of this Five-Year Review Report, is RESRAD-BUILD Version 3.5. The update from Version 3.4 to 3.5 included no changes to exposure assumptions or methods for calculating pathway-specific and total ECR and dose.

3.9.2.3 *Changes in Toxicity or Contaminant Characteristics*

No changes have occurred in the known chemical/physical characteristics of DU or the radiological components of DU (U-234, U-235, and U-238) since publication of the FUSRAP ROD (USACE 2011a). However, since publication of the FUSRAP ROD, radionuclide- and pathway-specific dose conversion factors (DCFs) and cancer slope factors (CSFs), used to calculate doses and ECRs, respectively, have been updated, as documented in Oak Ridge National Laboratory's (ORNL's) *Calculation of Slope Factors and Dose Coefficients* (ORNL 2014). The ORNL tables include the ECR and dose contribution of daughter products in secular equilibrium with their longer-lived parents (ORNL 2014). Information for progeny nuclides associated with a 100- and 1,000-year period of ingrowth are available. The USACE St. Louis FUSRAP assessed ECR and dose contributions from decay ingrowths occurring over a 1,000-year period of evaluation for DU in soil and DU in soil on structures at OU-8 during the RI. The 1,000-year period of evaluation was also later applied to RG development and remedy selection in the FUSRAP FS (USACE 2011c), *FUSRAP Proposed Plan for the Iowa Army Ammunition Plant* (FUSRAP PP) (USACE 2011d), and FUSRAP ROD (USACE 2011a).

In the following subsections, the ORNL DCF and CSF updates (ORNL 2014) relative to the those values that were used in establishing the soil and structural surface RGs at OU-8 during the FUSRAP FS (USACE 2011c) are presented, and the validity of the RGs in light of model and toxicity value updates that have occurred since the signing of the FUSRAP ROD (USACE 2011a) is evaluated.

3.9.2.3.1 Dose Conversion Factor and Cancer Slope Factor Updates in the RESRAD-ONSITE Version 7.2 Model for Evaluating Depleted Uranium in OU-8 Soil

During preparation of the FUSRAP FS (USACE 2011c), RESRAD Version 6.4 was used to calculate the DU soil RG of 150 pCi/g for the FUSRAP ROD based on the combined ECR contributions from all three of the uranium isotopes that comprise the DU fragments observed at the FSA. The DCFs used in the calculations were from *Federal Guidance Report Number 11* (FGR-11) (USEPA 1988) for ingestion and inhalation, and from *Federal Guidance Report Number 12* (FGR-12) (USEPA 1993a) for external radiation DCFs. The CSFs used in the RG calculations during the FUSRAP FS were from *Federal Guidance Report Number 13* (FGR-13) (USEPA 1999b) for all pathways.

The current RESRAD-ONSITE Version 7.2 contains a DCF and CSF database and software capability that includes the updated 2014 DCFs and CSFs associated with the USEPA's online preliminary remediation goal (PRG) calculator. These allow for a user to select DCFs and CSFs that are specific to a number of different age groupings. Because of the expanded options for DCF and CSFs, the USACE conducted evaluations of all factors in order to determine the most

appropriate to use for the St. Louis FUSRAP sites. This was done during preparation of the *Five-Year Review Report: Third Five-Year Review Report for Formerly Utilized Sites Remedial Action Program (FUSRAP) St. Louis Sites* (USACE 2015) and is presented in Appendix F, Attachment F-1, of that document. Based on the results of those evaluations and given the industrial (military) land use of the IAAAP, use of the adult DCFs and CSFs were determined to be compatible with the ECR and dose evaluations that are conducted for the likely receptors (i.e., current and future site workers and future construction workers) that have been identified at the OU-8 sites.

Therefore, given the preceding information, and to determine any possible impacts on the health-protectiveness of the remedy, the DU soil RG calculations performed in the FUSRAP FS (USACE 2011c) for OU-8 using RESRAD Version 6.4 were verified using the latest model version, RESRAD-ONSITE Version 7.2, along with the latest adult DCFs and CSFs available in the model library. The details and outputs relevant to verification calculations are presented in Attachment E-1. Tables A-2-2 and A-2-3 in Attachment A-2 compare the DCFs and the CSFs, respectively, as provided by the RESRAD Version 6.4 and RESRAD-ONSITE Version 7.2 model outputs.

Because of the RESRAD model version updates, as well as DCF and CSF updates, RESRAD-ONSITE Version 7.2 was used to duplicate calculation of the FUSRAP ROD RG for DU in soil, which was previously calculated using RESRAD Version 6.4 in the FUSRAP FS (USACE 2011c), as a verification of the continued health-protectiveness of the remedy that is currently being implemented at the FSA. The details of this verification are presented in Attachment E-1. It should be emphasized that the intent of these recalculations is to determine possible impacts of the combined model, DCF, CSF, and decay chain data updates on health-protectiveness of the remedy at OU-8. The intent is not to propose a new FUSRAP ROD RG for DU in soil.

Based on the results of recalculations, it was determined that the risk-based DCGLs are more health-conservative than the dose-based DCGLs, as they were during the original calculations in the FUSRAP FS (USACE 2011c). The risk-based DCGL calculated using RESRAD Version 6.4 in the FUSRAP FS was 154 pCi/g, which was then rounded to become the FUSRAP ROD RG of 150 pCi/g. The risk-based DCGL recalculated using RESRAD-ONSITE Version 7.2 for this five-year review is 147 pCi/g. Similar to the DCGL determined during the FUSRAP FS preparation, this recalculated DCGL also rounds to become 150 pCi/g. Therefore, based on the results of this evaluation, the remedy being applied at the FSA to address soil contaminated with DU is still health-protective of site workers from potential radiological cancer risks.

3.9.2.3.2 Health Protectiveness Evaluation of the Soil Remediation Goal for DU Relative to Noncancer Effects

This evaluation addresses the health protectiveness of the RG of 150 pCi/g for DU in soil from noncancer effects that could result from exposures to the elemental or metallic form of the uranium comprising the DU at the FSA. Generally, in order to calculate noncancer HIs and risk-based concentrations for elemental uranium in soil, the USEPA currently recommends the use of a recently published, intermediate-term minimal risk level (MRL) of 0.0002 mg/kg-day as the oral reference dose (RfDo), in conjunction with an inhalation reference concentration (RfC) of 4.0E-05 mg/m³. An MRL is as an estimate of daily human exposure to a substance that is likely to be without an appreciable risk of adverse noncancer effects over a specified duration of exposure. The noncancer MRL, along with the supporting toxicological studies upon which the MRL is based, was published by the ATSDR in the *Toxicological Profile for Uranium* (ATSDR 2013). The MRL was subsequently adopted by the USEPA as described in a Memorandum titled *Considering a Noncancer Oral Reference Dose for Uranium for Superfund Human Health Risk Assessments* (USEPA 2016). As a result of the adoption of the ATSDR MRL, the USEPA has derived and

established the current RSL of 230 mg/kg for elemental uranium (i.e., as soluble salts) in soil under industrial land use assumptions (USEPA 2018a). The USEPA RSL was calculated based on a THQ of 1 and includes route-specific HQ contributions from ingestion and dust inhalation (no dermal contributions were assessed due to no absorption fraction available for uranium).

In order to demonstrate the continued health protectiveness of the remedy, the maximum post-excavation soil concentration of U-238 (5.3 pCi/g) available to date for the remediated western portion of the FS-12 Area has been converted to the mass equivalent concentration of 15.6 mg/kg. This mass concentration is much less than the USEPA's current industrial soil RSL of 230 mg/kg for uranium, indicating that the remedy, as it is applied to meet the radiological DU RG (150 pCi/g) in soil, is health protective of a site worker from potential noncancer effects.

3.9.2.3.3 DCF and CSF Updates in the RESRAD-BUILD Version 3.5 Model for Evaluating DU in Soil on OU-8 Structural Surfaces

During preparation of the FUSRAP FS (USACE 2011c) for OU-8, RESRAD-BUILD Version 3.4 was used to calculate the RG of 23,000 dpm/cm² for DU in soil on structural surfaces (i.e., "structural surface RG") for health protection of a site worker. Similar to the calculations for the FUSRAP ROD RG for DU in soil (150 pCi/g), the structural surface RG calculations for the FUSRAP ROD were based on the combined ECR contributions from all three of the uranium isotopes that comprise the DU fragments observed at the FSA. In the RESRAD-BUILD Version 3.4 model, the DCFs were from FGR-11 (USEPA 1988) for ingestion and inhalation, and from FGR-12 (USEPA 1993a) for the external radiation DCFs. The CSFs for all exposure pathways were from FGR-13 (USEPA 1999b).

As previously described in Section 3.9.2.2, the FUSRAP ROD RG for DU in soil on structural surfaces was derived based on a 1E-04 ECR to a site worker hypothetically exposed in a modeled compartment (i.e., a hypothetical room), measuring 10 m by 10 m, and with a ceiling height of 2.5 m. The modeled scenario assumes that DU contamination in the room is present on the floor and all four walls of the room. Receptor exposures are assumed to occur primarily via ingestion, dust inhalation, and external ground radiation. Generally, three external radiation exposure routes are evaluated in the model for which ECR and dose are calculated (i.e., for each route individually); therefore, DCFs and CSFs have been established for each of the routes. These exposure routes are identified based on the types of sources that could result in receptor exposures (ANL 2003):

- external exposure to penetrating radiation emitted directly from a source assumed to be of finite or infinite thickness (i.e., external radiation),
- external exposure to penetrating radiation emitted from radioactive particulates deposited on the floors of the compartment (i.e., surface or deposition), and
- external exposures to penetrating radiation due to submersion in radiologically contaminated particulates in air (i.e., air submersion).

Ingestion is assumed to occur via two possible routes of exposure that are evaluated as one combined ingestion route of exposure (i.e., as "ingestion"). Age-specific DCFs and soil and dietary CSFs established for ingestion are typically used, as appropriate, to cover both exposure routes. These exposure routes include the following (ANL 2003):

- Inadvertent ingestion of radioactive material contained in removable material directly from the source, and
- Inadvertent ingestion of airborne radioactive particulates deposited on the surfaces of the building.

For the purposes of determining the structural surface RG for the FUSRAP ROD (USACE 2011a), inhalation was assumed to occur via two routes of exposure, the inhalation of airborne radioactive particulates and radon. An ECR and dose are calculated for each route individually based on the respective CSFs and DCFs established for these inhalation exposure routes.

As previously stated, updated DCFs and CSFs for the exposure pathways were published by ORNL in 2014. However, the current model version, RESRAD-BUILD Version 3.5, pre-dates the updates and therefore contains the same DCF and CSF values that were applied in the derivation of the structural RG during the FUSRAP FS (i.e., using RESRAD-BUILD Version 3.5).

Although the update to the RESRAD-BUILD Version 3.5 model version did not result in updates to the DCFs and CSFs, RESRAD-BUILD Version 3.5 was used to recalculate the structural surface RG, in an attempt to duplicate the RG, using the same source, receptor, and toxicity value inputs that were used during the original RG calculation in the FUSRAP FS (USACE 2011c). The details relevant to these recalculations are presented in Attachment E-2. The intent of the recalculation is not to propose a new RG, but rather to verify and to determine the reproducibility of the RESRAD-BUILD Version 3.5 results relative to the previous model version.

From the recalculations in Attachment E-2, it was determined that the risk-based DCGLs are more health-conservative than the dose-based DCGLs, as they were during the original calculations in the FUSRAP FS (USACE 2011c). The risk-based DCGL calculated using RESRAD-BUILD Version 3.4 in the FUSRAP FS (USACE 2011c) was 23,033 dpm/100 cm², which was then rounded to become the structural surface RG of 23,000 dpm/100 cm² in the FUSRAP ROD (USACE 2011a). The risk-based DCGL calculated using RESRAD-BUILD Version 3.5 for this five-year review is 23,108 dpm/100 cm². Similar to the DCGL determined during the FUSRAP FS (USACE 2011c) preparation, this DCGL also rounds to become 23,000 dpm/100 cm², which is equivalent to the FUSRAP RG for DU in soil on structural surfaces. Therefore, the results of this evaluation verified no significant updates in the current model version that would impact the calculation of the existing structural surface RG, which was established in the FUSRAP ROD (USACE 2011a) and is being implemented at Line 1 and the FSA at the IAAAP.

With no impacts to the RG calculation as a result of RESRAD model updates, the next issue considered as having potential impacts to the calculation of the FUSRAP ROD structural surface RG, and consequently, the health protectiveness of the remedy, is the ORNL updates to the pathway-specific CSFs and DCFs (ORNL 2014). To address this concern, Tables A-2-2 and A-2-3 present comparisons of the pathway-specific DCFs and CSFs, respectively, between the current values published by ORNL (ORNL 2014) and those applied during development of the FUSRAP ROD structural surface RG. The DCFs and CSFs comparisons include those for the three uranium isotopes of DU (i.e., U-234, U-235, and U-238), along with those for the following associated radioactive decay products: Ac-227, protactinium (Pa)-231, lead (Pb)-210, Ra-226, and thorium (Th)-230.

The results of the comparative analyses of updated DCFs and CSFs versus those applied toward development of the FUSRAP ROD structural surface RG during the FUSRAP FS indicate that the FUSRAP ROD structural surface RG of 23,000 dpm/100 cm² is still valid. Therefore, the remedy being applied to address DU in soil on structural surfaces at OU-8 continues to be health protective.

3.9.3 QUESTION C: Has any other information come to light that could call into question the protectiveness of the remedy?

Other than the on-going remediation activities, no natural or manmade changes to the physical or biological characteristics of the Line 1 areas or the FSA that would impact current and expected land use patterns, or that would change human or ecological exposure conditions, have occurred. Therefore, no new information has come to light that could call into question the protectiveness of the remedies being implemented at these areas.

3.9.4 Technical Assessment Summary

Since the signing of the FUSRAP ROD in 2011, remedial actions are being implemented to address DU contamination in soil and DU contamination on structural surfaces. During this time, although updates have been made to the respective RESRAD models and radiological toxicity values (i.e., DCFs and CSFs) used to derive the RG of 150 pCi/g for DU in soil, as well as the structural surface RG of 23,000 dpm/100 cm², no significant changes or updates in exposure assumptions or in USEPA's risk assessment guidance/methodologies have occurred. None of the updates made would impact the risk and dose assessment methods used to calculate either of the RGs currently used to guide ongoing remedial actions at Line 1 and the FSA. This was determined through a combination of comparisons between the radiological toxicity values used to derive the FUSRAP ROD RGs during the FUSRAP FS in 2011 and current ORNL values (ORNL 2014), DCGL recalculations using current models and toxicity values, and exposure pathway analyses to assess the continued validity of the RGs for DU in soil and DU in soil on structural surfaces. No natural or manmade changes to the physical or biological characteristics of the areas that would impact protectiveness of the remedy have occurred. The land use at both areas remains industrial. No other information is known that could call into question the human health or environmental protectiveness of the remedies applied to the OU-8 areas.

3.10 ISSUES

One issue has been identified for OU-8. The issue is that an evaluation is required to determine the need for the ICs.

3.11 RECOMMENDATIONS AND FOLLOW-UP ACTIONS

To address the issue identified in Section 3.10, an evaluation of long-term protectiveness needs to be conducted through either (1) a post-construction risk assessment or (2) a review of remedy protectiveness following the closure of the operational range.

Additionally, a recommendation for the program to conduct more public education was made by an interviewee in responses to the questionnaire. Specifically, the interviewee discussed concerns raised by the public regarding hauling activities and the unknown impacts of moving the contaminated material through the area. A follow-up action to educate the public by explaining the methods of packaging and hauling the material, as well as a description of the ultimate disposition of the material in a facility equipped and licensed for this type of waste, would be helpful in alleviating the public concerns.

3.12 OTHER FINDINGS

The remedy costs may exceed the projected costs presented in the FUSRAP ROD (USACE 2011a) by more than 50 percent. According to the USEPA's *A Guide to Preparing Superfund Proposed*

Plans, Records of Decision, and Other Remedy Selection Decision Documents (USEPA 1999a), “Feasibility Study cost estimates are expected to provide an accuracy of +50 percent to -30 percent.” According to 40 *CFR* 300.435(c)(2), “after adoption of the ROD, if the remedial action...differs significantly from the remedy selected in the ROD with respect to scope, performance, or cost, the lead agency shall consult with the support agency, as appropriate, and shall either: (i) publish an explanation of significant differences...or (ii) propose an amendment to the ROD.”

If the USACE determines in the future that remedial costs for OU-8 exceed the original projected costs presented in the FUSRAP ROD (USACE 2011a) by more than 50 percent, then a post-ROD decision document (e.g., an ESD or amendment to the ROD) will be prepared per 40 *CFR* 300.435(c)(2).

3.13 PROTECTIVENESS STATEMENT

The remedy at OU-8 is expected to be protective of human health and the environment upon completion. In the interim, remedial activities completed to date have adequately addressed all exposure pathways that could result in unacceptable risks in these areas.

3.14 NEXT FIVE-YEAR REVIEW

The next five-year review is scheduled for completion no later than 5 years from the signature date of this report (anticipated to be April 17, 2024).

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FIGURES

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Figure 1. Location of IAAAP

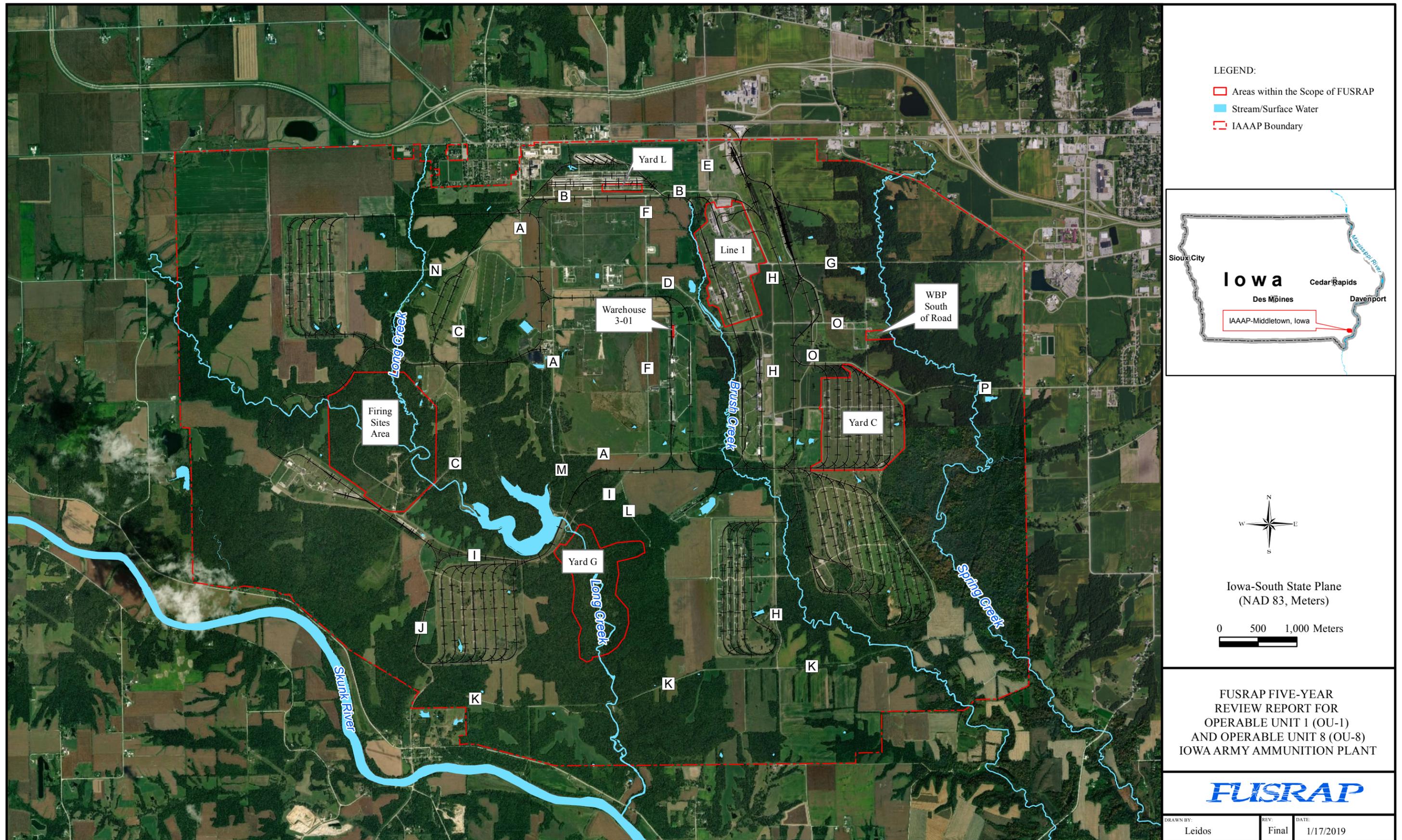


Figure 2. FUSRAP Areas in Operable Unit 1 and Operable Unit 8 at the IAAAP



Figure 3. Layout and Topography of Line 1



Figure 4. Layout and Topography of the West Burn Pads Area South of the Road

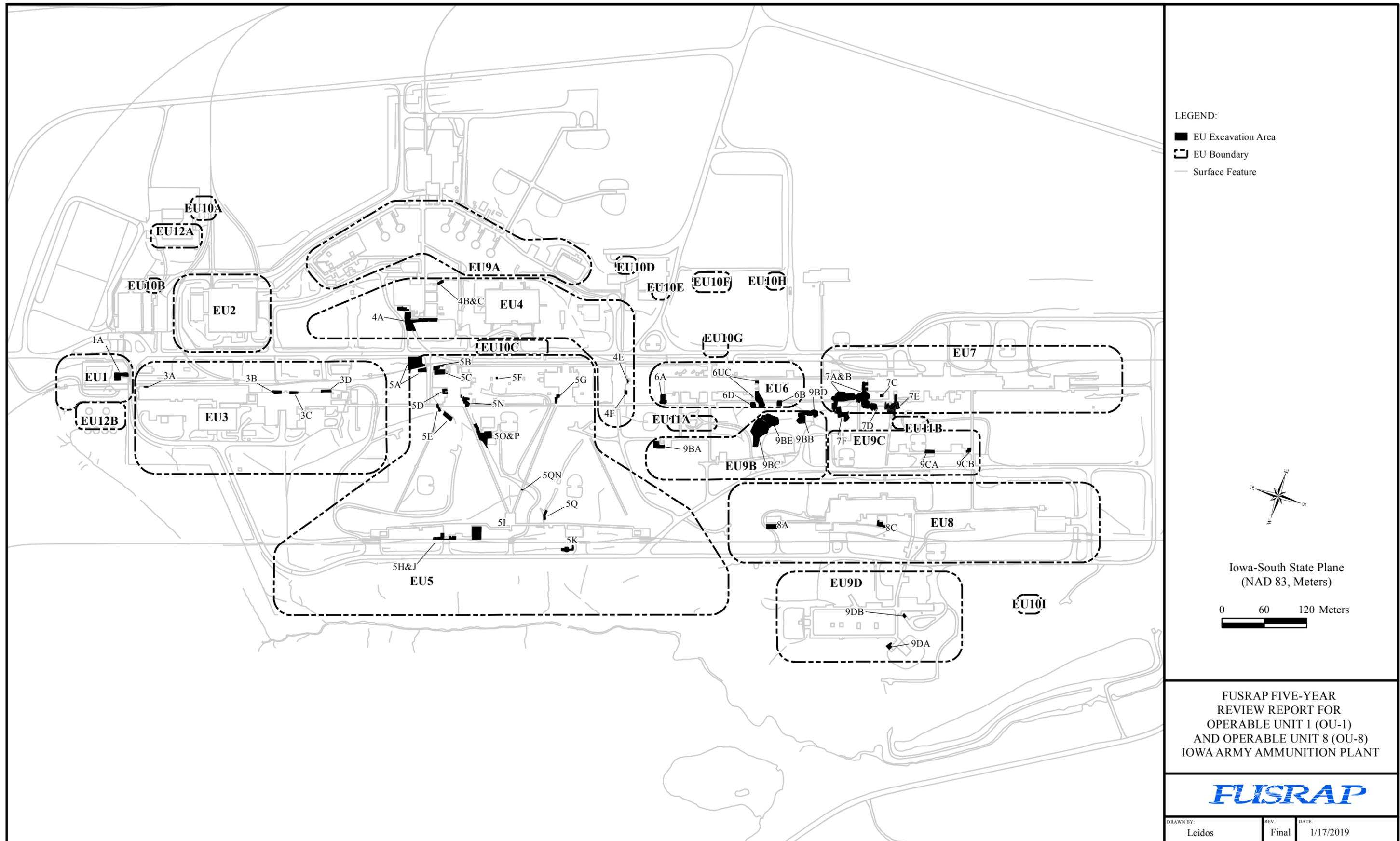


Figure 5. Exposure Units and Excavation Areas at Line 1



Figure 6. Excavation Areas at the West Burn Pads Area South of the Road

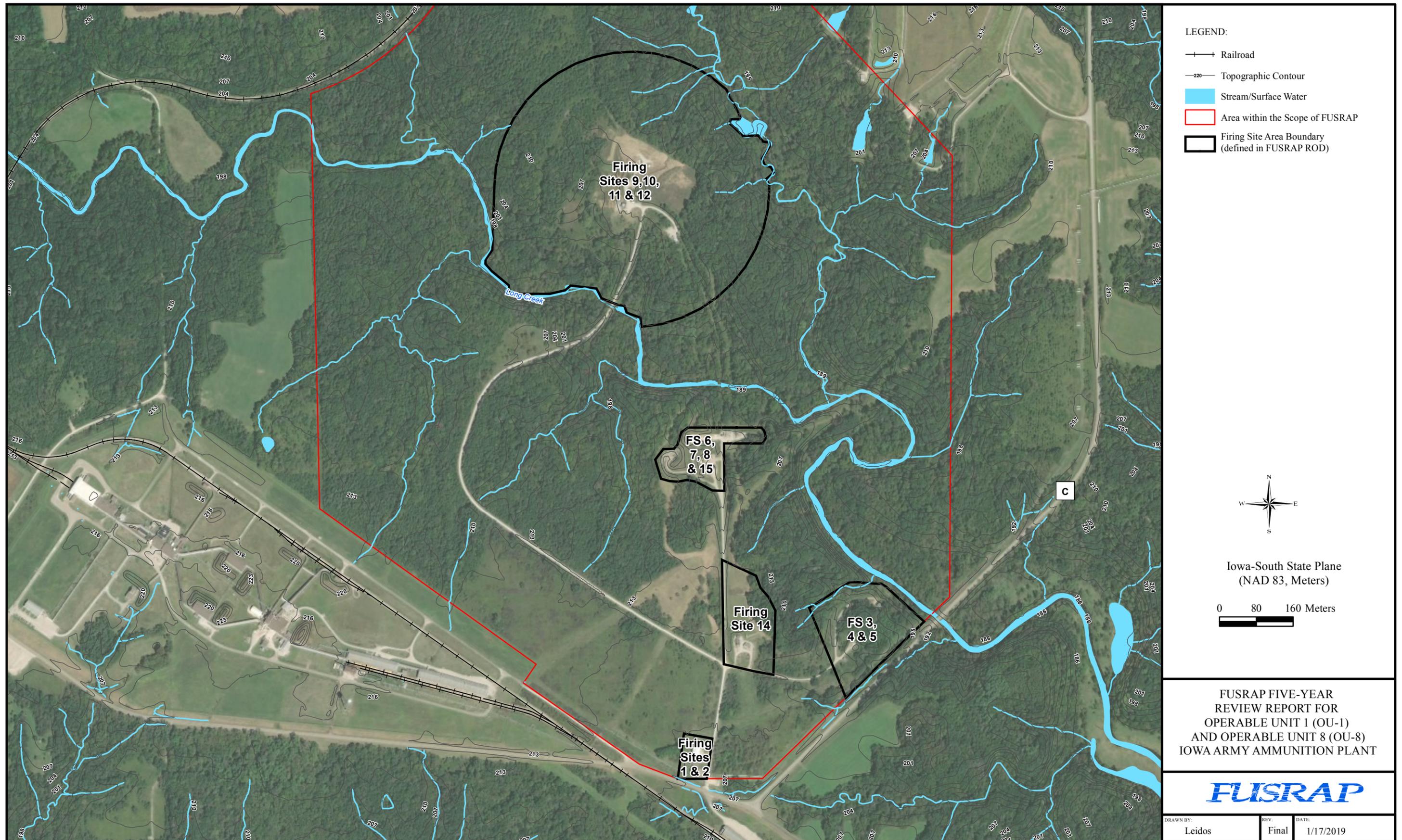


Figure 7. Layout and Topography of the Firing Sites Area



Figure 8. Layout and Topography of Yard C

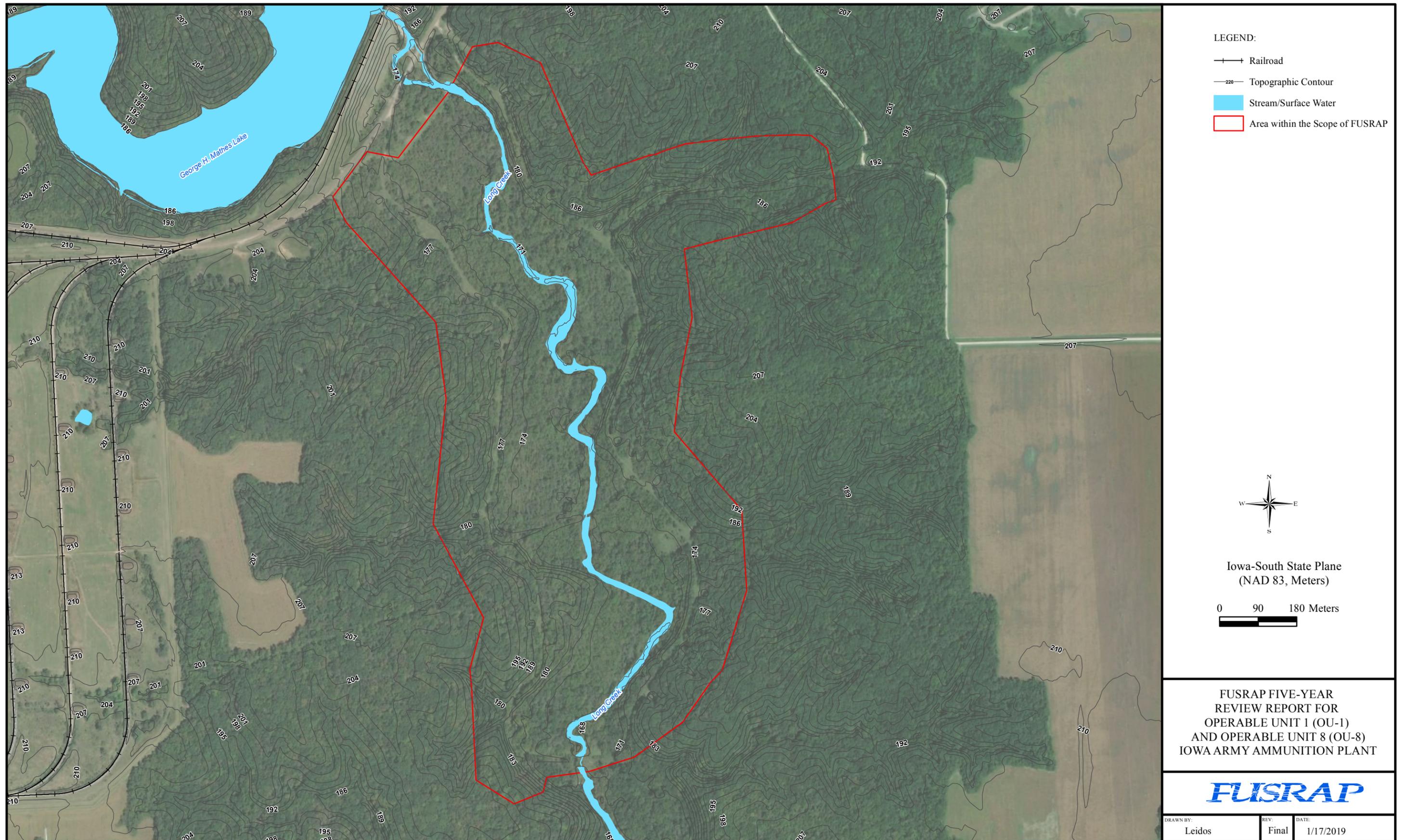


Figure 9. Layout and Topography of Yard G



Figure 10. Layout and Topography of Yard L



Figure 11. Layout and Topography of Warehouse 3-01

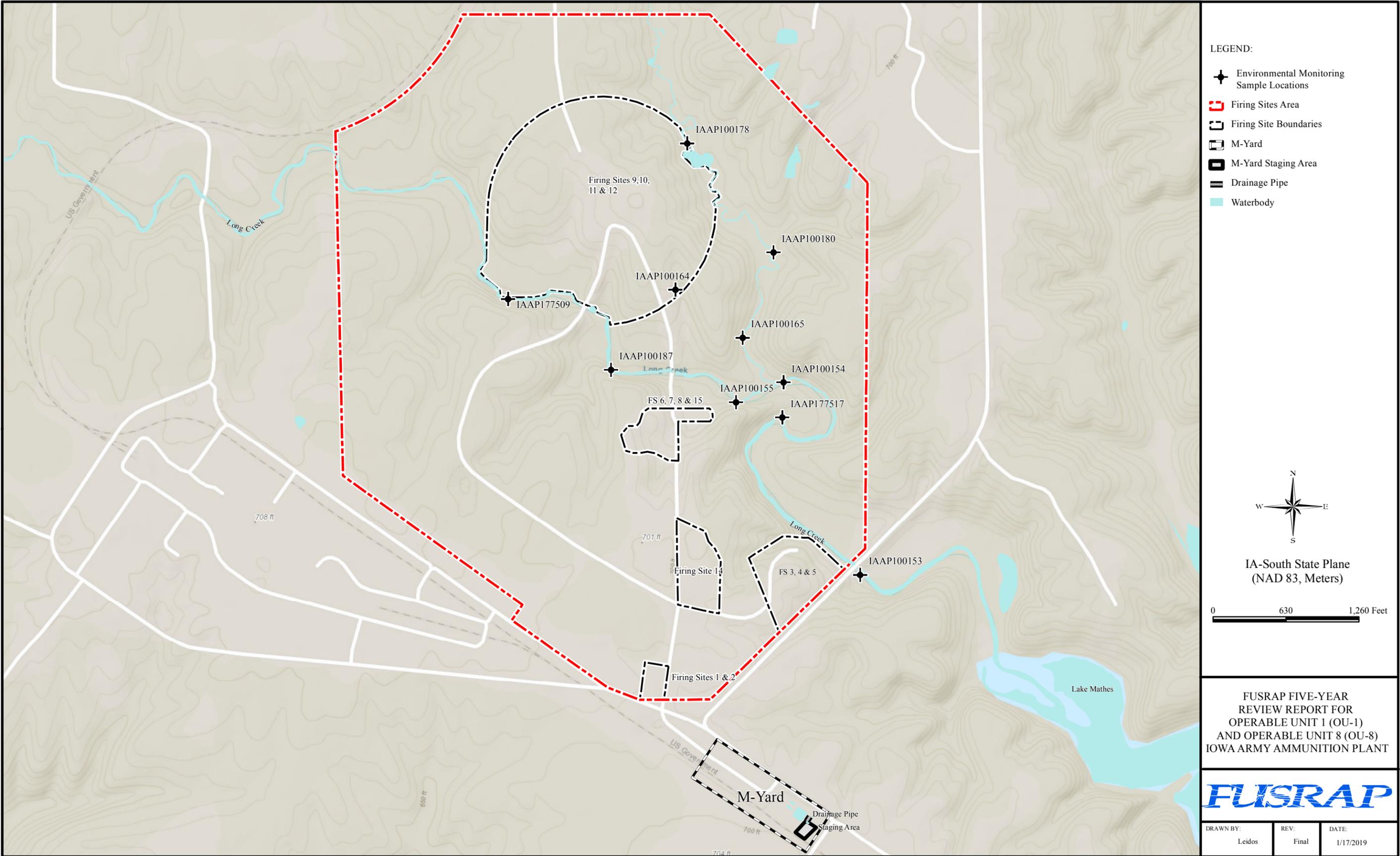


Figure 12. Surface-Water and Sediment Monitoring Locations for OU-8

APPENDIX A

**DETAILED RESPONSES TO TECHNICAL ASSESSMENT QUESTION B FOR
OPERABLE UNITS 1 AND 8**

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ATTACHMENT A-1

**DETAILED RESPONSE TO TECHNICAL ASSESSMENT QUESTION B FOR
OPERABLE UNIT 1 AT THE IOWA ARMY AMMUNITION PLANT**

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QUESTION B: Are the exposure assumptions, toxicity data, cleanup levels and remedial action objectives used at the time of the remedy selection still valid?

Yes.

No changes in land use or physical characteristics of Line 1 and the WBPS that would lead to a change in exposure assumptions or RAOs have occurred; however, USEPA updates to risk assessment guidance, as well as changes to some toxicity values, have been made. Despite these updates, all human health soil RGs, ground-water protection RGs, and Eco CCs that were established in the OU-1 Final ROD (USACE 1998a), or in accordance with this ROD and subsequent ESD methodologies, remain valid. In summary, the exposure assumptions, toxicity data, cleanup levels, and RAOs used at the time of the remedy selection are still valid, and the health protectiveness of the remedies implemented at Line 1 and the WBPS has not been impacted as a result of USEPA updates to risk assessment methods and toxicity values.

CHANGES IN STANDARDS TO BE CONSIDERED

During remedial actions at Line 1 and the WBPS, location-specific, chemical-specific, and action-specific ARARs have been met. Although remedial work has been completed at the WBPS, the remedy at Line 1 is still considered to be under construction due to the presence of inaccessible soil areas and continuing sources of PAHs. Lists and analyses of location-specific, chemical-specific, and action-specific ARARs for OU-1 are presented in Tables A-1-1, A-1-2, and A-1-3, respectively, relative to the current remedy that is ongoing at Line 1. Because the current remedy of soil excavation and off-site disposal and/or treatment has replaced on-site low temperature thermal desorption/biological treatment and disposal, those ARARs from the OU-1 Final ROD pertaining to incineration and composting have not been included in the analysis in Tables A-1-1 through A-1-3. Similarly, ARAR citations for ground water from the OU-1 Final ROD are not included as part of the analysis because (1) the remedy no longer involves on-site treatment and disposal per the 2011 OU-1 ROD ESD (Tetra Tech 2011b), and (2) ground water is not addressed as part of the FUSRAP scope per the 2006 IAAAP FFA (USEPA et al. 2006) between the U.S. Army and the USEPA.

Based on the analysis, no changes or updates have been made to those standards evaluated from the OU-1 Final ROD. Most of the evaluated standards identified to be ARARs in the OU-1 Final ROD are still ARARs, with the exception of two chemical-specific and four action-specific standards that are no longer ARARs, as indicated in Tables A-1-2 and A-1-3, respectively. These are no longer ARARs because of the change in the remedy (i.e., from on-site to off-site treatment and disposal) that occurred after the signing of the OU-1 Final ROD.

Table A-1-1. Analysis of Location-Specific ARARs for Operable Unit 1 Remedy Implemented Under FUSRAP, Iowa Army Ammunition Plant, Middletown, Iowa

ARAR Citation	On-Site Soil Excavation/Off-Site Treatment and Disposal
<p>Endangered Species Act, 16 <i>U.S. Code (USC)</i> 1531 <i>et seq.</i>; and Fish and Wildlife Coordination Act, 16 <i>USC</i> 661 <i>et seq.</i></p> <p>50 <i>CFR</i> Part 200, 50 <i>CFR</i> Part 402, and 33 <i>CFR</i> Parts 320-330</p>	<p>Existing federal standard from the OU-1 Final ROD (USACE 1998a). These provisions prohibit the illegal taking of a federally listed endangered species. Federal agencies are required to ensure their actions do not jeopardize the continued existence of a listed species or result in destruction of or adverse modification of its critical habitat.</p> <p>A federally listed endangered species, the Indiana bat, may be found as a transient species within the FUSRAP areas of the IAAAP. Excavation and construction activities may affect habitat upon which the Indiana bat may depend. Measures will be taken to avoid affecting critical habitat. This requirement is still applicable as long as the remedy for Line 1 is considered to be under construction due to the presence of inaccessible soil areas and continuing sources of PAHs.</p>
<p>Bald Eagle Protection Act, 16 <i>USC</i> 668 <i>et seq.</i></p>	<p>Existing federal standard from the OU-1 Final ROD (USACE 1998a). Although the bald eagle is no longer listed as an endangered species, this species spends winters along large rivers such as the nearby Mississippi and Skunk Rivers. Excavation and construction activities may affect habitat upon which the bald eagle may depend. Measures will be taken to avoid affecting the bald eagle's habitat. This requirement is still applicable as long as the remedy for Line 1 is considered to be under construction due to the presence of inaccessible soil areas and continuing sources of PAHs.</p>
<p>Migratory Bird Treaty Act of 1972, 16 <i>USC</i> Section 703</p>	<p>Existing federal standard from the OU-1 Final ROD (USACE 1998a). The Mississippi River, which is a route for migratory birds, is located only 10 miles east of the IAAAP. Therefore, excavation and construction activities may adversely impact migratory bird species present on or in the vicinity of the IAAAP. Measures will be taken to avoid such adverse impacts. This requirement is still applicable as long as the remedy for Line 1 is considered to be under construction due to the presence of inaccessible soil areas and continuing sources of PAHs.</p>
<p>National Archeological and Historical Preservation Act, 16 <i>USC</i> Section 469</p> <p>36 <i>CFR</i> Part 65</p>	<p>Existing federal standard from the OU-1 Final ROD (USACE 1998a). Excavation and construction activities are not expected to unearth significant scientific, prehistoric, or archaeological data. If such artifacts are discovered during excavation activities, measures will be taken to avoid irreparable harm, loss or destruction of the artifacts. This requirement is still applicable as long as the remedy for Line 1 is considered to be under construction due to the presence of inaccessible soil areas and continuing sources of PAHs.</p>

Table A-1-1. Analysis of Location-Specific ARARs for Operable Unit 1 Remedy Implemented Under FUSRAP, Iowa Army Ammunition Plant, Middletown, Iowa (Continued)

ARAR Citation	On-Site Soil Excavation/Off-Site Treatment and Disposal
Native American Graves and Repatriation Act, 25 <i>USC</i> Section 3001	Existing federal standard from the OU-1 Final ROD (USACE 1998a). Excavation and construction activities are not expected Native American graves or Native American cultural objects. If such graves or objects are discovered during excavation activities, measures will be taken to avoid their irreparable harm, loss or destruction. This requirement is still applicable as long as the remedy for Line 1 is considered to be under construction due to the presence of inaccessible soil areas and continuing sources of PAHs.
Fish and Wildlife Coordination Act, 16 <i>USC</i> 661 <i>et seq.</i> 40 <i>CFR</i> 6.302	Existing federal standard from the OU-1 Final ROD (USACE 1998a). Surface water removed from excavated areas or decontamination water may be discharged to Brush, Long, or Spring Creeks. If so, the water will be treated as necessary to avoid impacting the creeks and causing harm to fish or wildlife. This requirement is still applicable as long as the remedy for Line 1 is considered to be under construction due to the presence of inaccessible soil areas and continuing sources of PAHs.
Farmland Protection Policy Act, 7 <i>USC</i> 4201 <i>et seq.</i> 7 <i>CFR</i> Parts 658.4 and 658.5	Existing federal standard from the OU-1 Final ROD (USACE 1998a). A portion of the land within the IAAAP boundaries is leased for agricultural use, which could include prime and unique farmland. However, excavation and construction activities are not expected to occur near such farmland. This requirement is still potentially applicable as long as the remedy for Line 1 is considered to be under construction due to the presence of inaccessible soil areas and continuing sources of PAHs.
Iowa Environmental Quality Act (IEQA), <i>Iowa Administrative Code (IAC)</i> , Division 567, Title XI, Chapter 151, Iowa Hazardous Waste Facilities Siting Regulations <i>IAC</i> 151.3(1)	Existing federal standard from the OU-1 Final ROD (USACE 1998a). Materials handling and treatment facilities cannot be sited within 1.0 mile of wetlands. Currently, although the remedy now involves off-site treatment and disposal of excavated soil, the short-term, on-site staging of excavated soil could still occur at Line 1 as long as the remedy for Line 1 is considered to be under construction due to the presence of inaccessible soil areas and continuing sources of PAHs. Therefore, this requirement is still potentially applicable.
Iowa Code Annotated, Title XI, Natural Resources; Subtitle 6, Wildlife; Chapter 481A, Wildlife Conservation <i>IAC</i> 481A.38	Existing federal standard from the OU-1 Final ROD (USACE 1998a). Excavation and construction activities may affect habitat upon which the Indiana bat may depend, or upon which the state-listed species may depend. Measures will be taken to avoid the “taking” of wildlife. This requirement is still applicable as long as the remedy for Line 1 is considered to be under construction due to the presence of inaccessible soil areas and continuing sources of PAHs.

Table A-1-2. Analysis of Chemical-Specific ARARs for Operable Unit 1 Remedy Implemented Under FUSRAP, Iowa Army Ammunition Plant, Middletown, Iowa

ARAR Citation ^a	On-Site Soil Excavation/Off-Site Treatment and Disposal
<i>Soil</i>	
Iowa Underground Storage Tanks Acts, <i>IAC</i> , Division 567, Title X, Chapter 135, Iowa Underground Storage Tanks Regulations <i>IAC</i> 135.7(455B)(9) (Petroleum Contamination Corrective Action Levels)	Existing state standard from the OU-1 Final ROD (USACE 1998a). Compliance with the petroleum corrective action level of 100 mg/kg will be achieved by off-site disposal of SVOC-contaminated soil. This requirement is still relevant and appropriate as long as the remedy for Line 1 is considered to be under construction due to the presence of inaccessible soil areas and continuing sources of PAHs.
<i>Air</i>	
IEQA, Division 567, Title D, Chapter 28, Ambient Air Quality Standards <i>IAC</i> 28.1(455B) (Ambient Air Quality Standards)	Existing state standard from the OU-1 Final ROD (USACE 1998a). The remedy involves excavation and construction activities that may release lead and particulate matter into the air. Engineering measures will be used to ensure compliance with the ambient air quality standards. This requirement is still applicable as long as the remedy for Line 1 is considered to be under construction due to the presence of inaccessible soil areas and continuing sources of PAHs.
IEQA, Division 567, Title D, Chapter 22, Controlling Pollution <i>IAC</i> 22.3(3) (Visible Emission Standard Set in Permit)	Existing state standard from the OU-1 Final ROD (USACE 1998a). This remedy does not involve new source review because the remedy no longer involves on-site LTDD. Therefore, this standard is no longer an ARAR for OU-1.
IEQA, Division 567, Title D, Chapter 23, Emission Standards for Contaminants IA.C. 23.3(2)(a) and Table 1 (Emission Standard for Particulate Matter)	Existing state standard from the OU-1 Final ROD (USACE 1998a). This remedy does not involve emission of particulate matter from any process; therefore, this standard is no longer an ARAR for OU-1.
IEQA, Division 567, Title II, Chapter 23, Emission Standards for Contaminants <i>IAC</i> 23.3(2)(c)(1) (Emission Standard for Fugitive Dust)	Existing state standard from the OU-1 Final ROD (USACE 1998a). This alternative involves the excavation and onsite transport of contaminated soil, and construction activities, which may release particulate matter into the air. Control measures will be used to ensure compliance with the fugitive dust standard for materials to be handled, transported or stored, and for the use/construction/repair of construction haul roads. This requirement is still applicable as long as the remedy for Line 1 is considered to be under construction due to the presence of inaccessible soil areas and continuing sources of PAHs.
<i>Surface Water</i>	
Federal Water Pollution Control Act, 33 <i>USC</i> Section 402 (National Pollutant Discharge Elimination System [NPDES] permit conditions)	Existing federal standard from the OU-1 Final ROD (USACE 1998a). This remedy may involve the discharge of surface water removed from excavated areas, or decontamination water, into Brush, Long, or Spring Creeks. Appropriate treatment will ensure that discharges comply with standards in the NPDES permit issued to the IAAAP. This requirement is still applicable as long as the remedy for Line 1 is considered to be under construction and another temporary water treatment system (i.e., similar to the system established in 2009) could be needed.

Table A-1-2. Analysis of Chemical-Specific ARARs for Operable Unit 1 Remedy Implemented Under FUSRAP, Iowa Army Ammunition Plant, Middletown, Iowa (Continued)

ARAR Citation ^a	On-Site Soil Excavation/Off-Site Treatment and Disposal
<i>Surface Water (Continued)</i>	
<p>Safe Drinking Water Act, 42 <i>USC</i> 300 <i>et seq.</i></p> <p>40 <i>CFR</i> 141.11; 40 <i>CFR</i> 141.15(a) and (b); 40 <i>CFR</i> 141.16(a); 40 <i>CFR</i> 141.61(c); and 40 <i>CFR</i> 141.61(b)</p> <p>EPA, Office of Water, “Drinking Water Regulations and Health Advisories,” October 1996</p> <p>(MCLs)</p>	<p>Existing federal standard from the OU-1 Final ROD (USACE 1998a). This alternative may involve the discharge of surface water removed from excavated areas, or decontamination water, into Brush, Long, or Spring Creeks. Although MCLs are not applicable cleanup standards for surface water, and the creeks are not classified by the state for drinking water use, treatment will ensure compliance with the MCLs as necessary so creeks do not impact nearby residential wells. Therefore, this requirement is still relevant and appropriate as long as the remedy for Line 1 is considered to be under construction and another temporary water treatment system (i.e., similar to the system established in 2009) could be needed.</p>
<p>Safe Drinking Water Act, 42 <i>USC</i> 300 <i>et seq.</i></p> <p>40 <i>CFR</i> 141.50(a); and 40 <i>CFR</i> 141.51(b)</p> <p>(Maximum Contaminant Level Goals [MCLGs])</p>	<p>Existing federal standard from the OU-1 Final ROD (USACE 1998a). This alternative may involve the discharge of surface water removed from excavated areas, or decontamination water, into Brush, Long, or Spring Creeks. Although MCLGs are not applicable cleanup standards for surface water, and the creeks are not classified by the state for drinking water use, treatment will ensure compliance with the MCLGs as necessary so creeks do not impact nearby residential wells. Therefore, this requirement is still relevant and appropriate, when MCLGs are set above zero, as long as the remedy for Line 1 is considered to be under construction and another temporary water treatment system (i.e., similar to the system established in 2009) could be needed.</p>
<p>IEQA, <i>IAC</i>, Division 567, Title III, Chapter 62, Effluent and Pretreatment Standards: Other Effluent Limitations or Prohibitions</p> <p><i>IAC</i> 62.1(455B)(1)</p> <p>(NPDES Permit Conditions)</p>	<p>Existing state standard from the OU-1 Final ROD (USACE 1998a). This alternative may involve the discharge of surface water removed from excavated areas, or decontamination water, into Brush, Long, or Spring Creeks. Appropriate treatment will ensure discharges comply with standards in the NPDES permit issued to the IAAAP. This requirement is still applicable as long as the remedy for Line 1 is considered to be under construction and another temporary water treatment system (i.e., similar to the system established in 2009) could be needed.</p>
<p>IEQA, <i>IAC</i>, Division 567, Title III, Chapter 41, Iowa Drinking Water Regulations</p> <p><i>IAC</i> 41.3(455B)(1)(b); 41.3(455B)(5)(a) and (b); and 41.3(455B)(6)(a)</p> <p>(State MCLs)</p>	<p>Existing state standard from the OU-1 Final ROD (USACE 1998a). This alternative may involve the discharge of surface water removed from excavated areas, or decontamination water, into Brush, Long, or Spring Creeks. Although State of Iowa MCLs are not applicable cleanup standards for surface water, and the creeks are not classified by the state for drinking water use, treatment will ensure compliance with the state MCLs as necessary so creeks do not impact nearby residential wells. Therefore, this requirement is still relevant and appropriate as long as the remedy for Line 1 is considered to be under construction and another temporary water treatment system (i.e., similar to the system established in 2009) could be needed.</p>

Table A-1-2. Analysis of Chemical-Specific ARARs for Operable Unit 1 Remedy Implemented Under FUSRAP, Iowa Army Ammunition Plant, Middletown, Iowa (Continued)

ARAR Citation ^a	On-Site Soil Excavation/Off-Site Treatment and Disposal
<i>Surface Water (Continued)</i>	
IEQA, IAC, Division 567, Title IV, Chapter 61, Surface Water Quality Criteria IAC 61.2(455B)(2) (Anti-Degradation Policy)	Existing state standard from the OU-1 Final ROD (USACE 1998a). This remedy may involve the discharge of surface water removed from excavated areas, or decontamination water, into Brush, Long, or Spring Creeks. Appropriate treatment will ensure discharges comply with the state anti-degradation policy. This requirement is still applicable as long as the remedy for Line 1 is considered to be under construction and another temporary water treatment system (i.e., similar to the system established in 2009) could be needed.
IEQA, IAC, Division 567, Title IV, Chapter 61, Surface Water Quality Criteria IAC 61.3(455B) (Water Quality Criteria for general use segments, and for designated use water segments)	Existing state standard from the OU-1 Final ROD (USACE 1998a). This remedy may involve the discharge of surface water removed from excavated areas, or decontamination water, into Brush, Long, or Spring Creeks. The discharge will be treated appropriately to ensure compliance with the state water quality criteria for Class B(LR) waters. This requirement is still applicable as long as the remedy for Line 1 is considered to be under construction and another temporary water treatment system (i.e., similar to the system established in 2009) could be needed.

^a ARAR citations for soil, air, and surface water were obtained from the OU-1 Final ROD (USACE 1998a). Although the OU-1 Final ROD (USACE 1998a) also included ARAR citations for ground water, they are not included as part of this analysis because (1) the remedy no longer involves on-site treatment and disposal per the 2011 OU-1 ROD ESD (Tetra Tech 2011b), and (2) ground water is not addressed as part of the FUSRAP scope per the 2006 IAAAP FFA (USEPA et al. 2006) between the U.S. Army and the USEPA.

Note:

Bold text is indicative of standards that are no longer considered to be ARARs in this five-year review, based on the rationale provided.

Table A-1-3. Analysis of Action-Specific ARARs for Operable Unit 1 Remedy Implemented Under FUSRAP, Iowa Army Ammunition Plant, Middletown, Iowa

ARAR Citation ^a	On-Site Soil Excavation/Off-Site Treatment and Disposal
<p>CERCLA Section 121(b) (Preference for Treatment)</p>	<p>The remedy involves disposal of excavated contaminated soil in an off-site landfill. If the contaminated soil are restricted from land disposal, alternative treatment levels will be met before disposal in a landfill. This requirement is still applicable as long as the remedy for Line 1 is considered to be under construction due to the presence of inaccessible soil areas and continuing sources of PAHs.</p>
<p>Solid Waste Disposal Act, as amended by the Resource Conservation and Recovery Act (RCRA), 42 USC 6901 <i>et seq.</i> 40 CFR 268 Subparts A and D (Land Disposal Restrictions)</p>	<p>RCRA regulations governing the treatment, storage and disposal of hazardous wastes are not applicable CERCLA regulations, which are being applied under FUSRAP. The remedy involves disposal of excavated contaminated soil in an off-site landfill. If the contaminated soil are restricted from land disposal, alternative treatment levels will be met by the off-site facility before disposal in the landfill. However, this requirement, which would be relevant and appropriate for past on-site actions, is no longer an ARAR for OU-1 due to the change in off-site disposal as part of the current remedy.</p>
<p>Iowa Environmental Quality Act (IEQA), IAC, Division 567, Title X, Chapter 141, Hazardous Waste 40 CFR 261.21 - 261.24, and Table 1 (adopted at IAC 141.2[1]) (Criteria for Identifying the Characteristics of RCRA Hazardous Wastes)</p>	<p>Excavated soil will be identified as either RCRA or non-RCRA hazardous wastes. This alternative will comply with the relevant and appropriate action-specific requirements within the state's hazardous waste program. This requirement is still relevant and appropriate as long as the remedy for Line 1 is considered to be under construction due to the presence of inaccessible soil areas and continuing sources of PAHs.</p>
<p>IEQA, IAC, Division 567, Title X, Chapter 141, Hazardous Waste 40 CFR 261.32 (adopted at IAC 141.2[1]) (Criteria for Listing RCRA Hazardous Wastes)</p>	<p>Prior to off-site disposal in a landfill, excavated soil will be tested to determine if the listed RCRA hazardous waste K047 is present (based on ignitability). This alternative will comply with the relevant and appropriate action-specific requirements within the state's hazardous waste program. This requirement is still relevant and appropriate as long as the remedy for Line 1 is considered to be under construction due to the presence of inaccessible soil areas and continuing sources of PAHs.</p>
<p>IEQA, IAC, Division 567, Title X, Chapter 141, Hazardous Waste 40 CFR 264.14 (adopted at IAC 141.5[455B]) (Security Requirements)</p>	<p>Unauthorized persons and livestock will be restricted from all active portions of the IAAAP during soil remedial actions, using fencing and other site control measures as needed. This requirement is still relevant and appropriate as long as the remedy for Line 1 is considered to be under construction due to the presence of inaccessible soil areas and continuing sources of PAHs.</p>
<p>IEQA, IAC, Division 567, Title X, Chapter 141; Hazardous Waste 40 CFR 264.17(a) and (b) (adopted at IAC 141.5[455B]) (General Requirements for Ignitable, Reactive, or Incompatible Wastes)</p>	<p>Contaminated soil may be incompatible with each other or with hazardous wastes in the off-site soil repository; or hazardous based on the characteristics of ignitability or reactivity. Precautions will be taken to prevent accidental ignition or reaction of ignitable or reactive wastes. This requirement is still relevant and appropriate as long as the remedy for Line 1 is considered to be under construction due to the presence of inaccessible soil areas and continuing sources of PAHs.</p>

Table A-1-3. Analysis of Action-Specific ARARs for Operable Unit 1 Remedy Implemented Under FUSRAP, Iowa Army Ammunition Plant, Middletown, Iowa (Continued)

ARAR Citation ^a	On-Site Soil Excavation/Off-Site Treatment and Disposal
<p>IEQA, IAC, Division 567, Title X, Chapter 141, Hazardous Waste</p> <p>40 CFR Part 264, Subpart G (adopted at IAC 141.5[455B])</p> <p>(Closure and Post-Closure Requirements)</p>	<p>Because the remedy currently does not involve on-site disposal of contaminated soil, this standard is no longer an ARAR for OU-1.</p>
<p>IEQA, IAC, Division 567, Title X, Chapter 141, Hazardous Waste</p> <p>40 CFR Part 264, Subpart I (adopted at IAC 141.5[455B])</p> <p>(Requirements for Use and Management of Containers)</p>	<p>Surface water from excavated areas and decontamination water may result from this alternative. Storage of these waters in containers would be necessary until treatment and/or disposal could occur. The alternative will comply with the requirements for the use and management of containers. This requirement is still relevant and appropriate as long as the remedy for Line 1 is considered to be under construction due to the presence of inaccessible soil areas and continuing sources of PAHs.</p>
<p>IEQA, IAC, Division 567, Title X, Chapter 141, Hazardous Waste</p> <p>40 CFR Part 264, Subpart L (adopted at IAC 141.5[455B])</p> <p>(Requirements for Hazardous Waste Storage in Piles)</p>	<p>Excavated soil may be temporarily stored in piles prior to transport for off-site treatment and disposal. This alternative will comply with the requirements for storage of hazardous waste in piles. This requirement is still relevant and appropriate as long as the remedy for Line 1 is considered to be under construction due to the presence of inaccessible soil areas and continuing sources of PAHs.</p>
<p>IEQA, IAC, Division 567, Title X, Chapter 141, Hazardous Waste</p> <p>40 CFR Part 264, Subpart N (adopted at IAC 141.5[455B])</p> <p>(Requirements for Disposal of Hazardous Waste in Landfills)</p>	<p>The remedy currently involves off-site treatment and disposal into a landfill. Treatment would occur at the disposal facility. This requirement is no longer an ARAR for the current remedy at OU-1.</p>
<p>IEQA, IAC, Division 567, Title X, Chapter 141, Hazardous Waste</p> <p>40 CFR Part 264, Subpart S (adopted at IAC 141.5[455B])</p> <p>(Corrective Action for Solid Waste Management Units)</p>	<p>Because the remedy involves off-site treatment and disposal of excavated soil, and does not involve on-site stockpiling in a CAMU prior to treatment/disposal, this standard is no longer an ARAR for the current remedy at OU-1.</p>
<p>IEQA, IAC, Division 567, Title II, Chapter 23, Emission Standards for Contaminants</p> <p>IAC 23.3(2)(c)(1)</p> <p>(Fugitive Dust Controls)</p>	<p>The remedy involves the excavation of contaminated soil and transport to an off-site treatment/disposal facility. The alternative also involves construction activities. Control measures will be implemented to limit fugitive dust emissions that may result from remedial actions. This requirement is still applicable as long as the remedy for Line 1 is considered to be under construction due to the presence of inaccessible soil areas and continuing sources of PAHs.</p>

^a ARAR citations were obtained from the OU-1 Final ROD (USACE 1998a). Although the OU-1 Final ROD (USACE 1998a) also included ARAR citations for ground water, they are not included as part of this analysis because (1) the remedy no longer involves on-site treatment and disposal per the 2011 OU-1 ROD ESD (Tetra Tech 2011b), and (2) ground water is not addressed as part of the FUSRAP scope per the 2006 IAAAP FFA (USEPA et al. 2006) between the U.S. Army and the USEPA. Additionally, OU-1 Final ROD (USACE 1998a) citations pertaining to on-site incineration and composting have been removed because these remedies have been replaced by off-site treatment and disposal for OU-1.

Note:

Bold text is indicative of standards that are no longer considered to be ARARs in this five-year review, based on the rationale provided.

CHANGES IN EXPOSURE PATHWAYS, EXPOSURE ASSUMPTIONS, AND RISK ASSESSMENT METHODS

Risk-based, chemical-specific RGs protective of an industrial worker from incidental soil ingestion exposures resulting in an ECR of $1E-06$ and a noncancer HI of 1, as well as ground-water protection RGs for RDX and 2,4,6-TNT, were derived for all human health COCs during creation of the OU-1 Final ROD. Additionally, a ground-water protection RG for barium in soil at the WBPS and soil Eco CCs were established for Line 1 and the WBPS in subsequent ESD documents. Since the OU-1 Final ROD was signed in 1998, the USEPA has published guidance documents on human health risk assessment for the dermal and inhalation exposure pathways in 2004 and 2009, respectively, as indicated in the following list.

- *Risk Assessment Guidance for Superfund, Volume I: Human Health Evaluation Manual (Part E, Supplemental Guidance for Dermal Risk Assessment)* (RAGS Part E) (USEPA 2004).
- *Risk Assessment Guidance for Superfund, Volume I: Human Health Evaluation Manual (Part F, Supplemental Guidance for Inhalation Risk Assessment)* (RAGS Part F) (USEPA 2009).

These documents were later followed by publication of the USEPA *Exposure Factors Handbook: 2011 Edition* (2011 Exposure Factors Handbook) (USEPA 2011). The 2011 Exposure Factors Handbook is the update of an earlier version published in 1997 (USEPA 1997a). The purpose of the 2011 Exposure Factors Handbook is to (1) summarize data on human behaviors and characteristics that affect exposures to environmental contaminants, and (2) recommend numerical values for exposure factors representing those behaviors and characteristics that can be used to quantify the magnitude of exposure that may occur to an individual over a specified duration of time. Based on the information provided in the 2011 Exposure Factors Handbook, the USEPA Office of Solid Waste and Emergency Response (OSWER) more recently published updated standard exposure factor default values in OSWER Directive 9200.1-120, *Human Health Evaluation Manual, Supplemental Guidance: Update of Standard Default Exposure Factors* (USEPA 2014a). The recommended values or ranges of values provided within both of these exposure factors guidance resources (USEPA 2011, 2014a) are not legally binding on any USEPA program, but rather are suggested inputs for exposure and health risk calculations, that can be modified as needed. The exposure assumptions for industrial worker soil ingestion applied in the derivation of the OU-1 Final ROD (USACE 1998a) RGs are similar to the latest standard default values published by the USEPA.

Although the OU-1 Final ROD RGs do not account for soil exposures to industrial workers via dermal contact and dust inhalation, the ingestion pathway often accounts for most of the ECRs and noncancer HIs. Table A-1-4 presents comparisons of the ingestion-based RGs, derived for the industrial worker, with the most recent USEPA RSLs published in November 2018 (USEPA 2018a). The industrial worker RSLs, which are derived based on the most recent USEPA exposure assessment guidance and the latest chemical-specific toxicity data, represent levels that are protective from soil exposures via all three pathways. Table A-1-4 presents not only the RSLs, but the exposure route-specific SLs that are the basis of the RSLs. Both the RSLs and SLs target an ECR of $1E-06$ and noncancer HI of 1; however, for the purpose of evaluating health protectiveness of the remedy, ranges of RSLs are also presented for carcinogenic contaminants that correspond to the USEPA TEQR range of $1E-06$ to $1E-04$. The SLs in Table A-1-4 demonstrate that the soil ingestion SL is typically much lower than the corresponding dermal and inhalation SLs, indicating that the ingestion route of exposure contributes predominantly to the overall ECR or noncancer HI to the industrial worker. Therefore, the OU-1 risk-based RGs that were derived based only on the

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Table A-1-4. Health Protectiveness Evaluation of Human Health Soil Remediation Goals for Contaminants of Concern at Line 1 and West Burn Pads Area South of the Road

Contaminant Type	COC	Evaluation of OU-1 Risk-Based RGs for Industrial Soil						Evaluation of OU-1 Ground-Water Protection RGs			
		OU-1 Risk-Based RG (TECR = 1E-06; THQ = 1) ^a (mg/kg)	USEPA Risk-Based RSLs and Pathway-Specific SLs for Industrial Soil ^b (mg/kg)				Ground-water Protection RG (mg/kg)	USEPA SSLs for Ground-Water Protection ^b (mg/kg)			
			RSL (TECR = 1E-06; THQ = 1)	RSL Range Corresponding to USEPA TECR Range for Carcinogenic COCs	Ingestion Pathway SL	Dermal Pathway SL		Inhalation Pathway SL	MCL-Based SSL	Risk-Based SSL (TECR = 1E-06; THQ = 1)	SSL Range Corresponding to USEPA TECR Range for Carcinogenic COCs
Metals	Antimony	816	470 (n)	---	470	---	---	---	---	---	---
	Arsenic	30	3 (c)	3 - 300	3.6	17	3,900	---	---	---	---
	Barium	---	220,000 (n)	---	230,000	---	3,000,000	4,100 ^c	82	160 (n)	---

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Table A-1-4. Health Protectiveness Evaluation of Human Health Soil Remediation Goals for Contaminants of Concern at Line 1 and West Burn Pads Area South of the Road (Continued)

Contaminant Type	COC	Evaluation of OU-1 Risk-Based RGs for Industrial Soil						Evaluation of OU-1 Ground-Water Protection RGs			
		OU-1 Risk-Based RG (TECR = 1E-06; THQ = 1) ^a (mg/kg)	USEPA Risk-Based RSLs and Pathway-Specific SLs for Industrial Soil ^b (mg/kg)				Ground-water Protection RG (mg/kg)	USEPA SSLs for Ground-Water Protection ^b (mg/kg)			
			RSL (TECR = 1E-06; THQ = 1)	RSL Range Corresponding to USEPA TECR Range for Carcinogenic COCs	Ingestion Pathway SL	Dermal Pathway SL		Inhalation Pathway SL	MCL-Based SSL	Risk-Based SSL (TECR = 1E-06; THQ = 1)	SSL Range Corresponding to USEPA TECR Range for Carcinogenic COCs
Metals (Continued)	Beryllium	5	2,300 (n)	---	2,300	---	120,000	---	---	---	---
	Cadmium	1,000	980 (n)	---	1,200	6,900	60,000	---	---	---	---

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Table A-1-4. Health Protectiveness Evaluation of Human Health Soil Remediation Goals for Contaminants of Concern at Line 1 and West Burn Pads Area South of the Road (Continued)

Contaminant Type	COC	Evaluation of OU-1 Risk-Based RGs for Industrial Soil						Evaluation of OU-1 Ground-Water Protection RGs			
		OU-1 Risk-Based RG (TECR = 1E-06; THQ = 1) ^a (mg/kg)	USEPA Risk-Based RSLs and Pathway-Specific SLs for Industrial Soil ^b (mg/kg)					Ground-water Protection RG (mg/kg)	USEPA SSLs for Ground-Water Protection ^b (mg/kg)		
			RSL (TECR = 1E-06; THQ = 1)	RSL Range Corresponding to USEPA TECR Range for Carcinogenic COCs	Ingestion Pathway SL	Dermal Pathway SL	Inhalation Pathway SL		MCL-Based SSL	Risk-Based SSL (TECR = 1E-06; THQ = 1)	SSL Range Corresponding to USEPA TECR Range for Carcinogenic COCs
Metals (Continued)	Chromium VI	10,000	6.3 (c)	6.3 - 630	6.5	---	200	---	---	---	---

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1 **Table A-1-4. Health Protectiveness Evaluation of Human Health Soil Remediation Goals for Contaminants of Concern at**
 2 **Line 1 and West Burn Pads Area South of the Road (Continued)**

Contaminant Type	COC	Evaluation of OU-1 Risk-Based RGs for Industrial Soil						Evaluation of OU-1 Ground-Water Protection RGs			
		OU-1 Risk-Based RG (TCR = 1E-06; THQ = 1) ^a (mg/kg)	USEPA Risk-Based RSLs and Pathway-Specific SLs for Industrial Soil ^b (mg/kg)					Ground-water Protection RG (mg/kg)	USEPA SSLs for Ground-Water Protection ^b (mg/kg)		
			RSL (TECR = 1E-06; THQ = 1)	RSL Range Corresponding to USEPA TECR Range for Carcinogenic COCs	Ingestion Pathway SL	Dermal Pathway SL	Inhalation Pathway SL		MCL-Based SSL	Risk-Based SSL (TECR = 1E-06; THQ = 1)	SSL Range Corresponding to USEPA TECR Range for Carcinogenic COCs
Metals (Continued)	Lead	1,000 ^e	800 ^f	---	---	---	---	---	---	---	---
	Thallium ^g	143	23 (n)	---	23	---	---	---	---	---	---
PAHs	Benzo(a)anthracene	8.1	21 (c)	21 - 2,100	33	59	900	---	---	---	---
	Benzo(a)pyrene	0.81	2.1 (c)	2.1 - 210	3.3	5.9	28,000	---	---	---	---
	Benzo(b)fluoranthene	8.1	21 (c)	21 - 2,100	33	59	280,000	---	---	---	---
	Dibenz(a,h)anthracene	0.81	2.1 (c)	2.1 - 210	3	6	28,000	---	---	---	---
PCBs	Total PCBs	10	0.94 (c)	0.94 - 94	1.6	2.8	11	---	---	---	---
	Aroclor-1254	---	0.97 (c)	0.97 - 97	1.6	2.8	18	---	---	---	---
	Aroclor-1260	---	0.99 (c)	0.99 - 99	1.6	2.8	28	---	---	---	---
	Dieldrin	---	0.14 (c)	0.14 - 14	0.2	0.5	3,600	---	---	---	---

1 **Table A-1-4. Health Protectiveness Evaluation of Human Health Soil Remediation Goals for Contaminants of Concern at**
 2 **Line 1 and West Burn Pads Area South of the Road (Continued)**

Contaminant Type	COC	Evaluation of OU-1 Risk-Based RGs for Industrial Soil						Evaluation of OU-1 Ground-Water Protection RGs			
		OU-1 Risk-Based RG (TECR = 1E-06; THQ = 1) ^a (mg/kg)	USEPA Risk-Based RSLs and Pathway-Specific SLs for Industrial Soil ^b (mg/kg)					Ground-water Protection RG (mg/kg)	USEPA SSLs for Ground-Water Protection ^b (mg/kg)		
			RSL (TECR = 1E-06; THQ = 1)	RSL Range Corresponding to USEPA TECR Range for Carcinogenic COCs	Ingestion Pathway SL	Dermal Pathway SL	Inhalation Pathway SL		MCL-Based SSL	Risk-Based SSL (TECR = 1E-06; THQ = 1)	SSL Range Corresponding to USEPA TECR Range for Carcinogenic COCs
Explosives	1,3,5-TNB	102	32,000 (n)	---	35,000	440,000	---	---	---	---	---
	2,4-DNT	8.7	7.4 (c)	7.4 - 740	11	24	190,000	---	---	---	---
	2,4,6-TNT	196	96 (c)	96 - 9,600	110	800	---	47.6 ^h	---	0.015 (c)	0.015 - 1.5
	RDX	53	38 (c)	38 - 3,800	41	640	---	1.3 ^h	---	0.00037 (c)	0.00037 - 0.037
	HMX	51,000	57,000 (n)	---	58,000	2,300,000	---	---	---	---	---

3 ^a Human health RGs were established targeting an ECR of 1E-06 and a noncancer HI of 1 and were derived based on ingestion exposures under an industrial worker scenario (U.S. Army Environmental Center 1998).

4 ^b The USEPA risk-based RSLs (USEPA 2018a) and pathway-specific SLs for industrial soil, along with the ground-water protection SSLs, which specify a TECR of 1E-06 (indicated by a "(c)") and a noncancer THQ of 1.0 (indicated by a "(nc)"), were published in November 2018 and were obtained from the USEPA website: <https://www.epa.gov/risk/regional-screening-levels-rsls-generic-tables>.

5 ^c RG for barium applies to only the WBPS and was derived for the protection of ground water based on site-specific Summers model calculations (Tetra Tech 2011b).

6 ^d RG presented for chromium VI are based on total chromium.

7 ^e Based on the 'PRG Screen Model' rather than on an ECR or noncancer HQ (U.S. Army Environmental Center 1998). This is because the effects of lead exposures have not definitively been associated with cancer or noncancer effects.

8 ^f The RSL for soil lead under a commercial/industrial land use scenario is based on a recent analysis of the combined phases of the National Health and Nutrition Examination Survey (USEPA 2018a).

9 ^g In a manner consistent with the risk assessment performed as part of the RI/RA Report, Volume 11 (JAYCOR 1996), as well as with the subsequent derivation of the soil RG for thallium, toxicity criteria and the USEPA industrial soil RSL for thallic oxide (USEPA 2018a) have been applied in this five-year review of the OU-1 ROD soil RG for thallium.

10 ^h RGs for 2,4,6-TNT and RDX are the site-specific "leaching" concentrations (Summers model) for ground-water protection based on the lifetime HAL of 2 ppb for each explosive as compared to the human health risk-based RGs of 196 and 53 µg/kg, respectively, derived based on the ingestion route of exposure.

11 Notes:

12 --- Indicates that the information/value is not available.

13 SSL - soil screening level

ingestion pathway, and consequently the remedy that applies those RGs, are likely to remain health protective. Overall health protectiveness of the OU-1 RGs and the remedy are discussed following in the “Health Protectiveness of the Remedy” section as part of this response to Question B.

Not included in the 1996 risk assessment or the OU-1 Final ROD RGs are exposure assumptions and evaluations regarding construction workers. As a military/industrial installation, demolitions, renovations, and construction work are activities that occur at the IAAAP. However, according to the *Five-Year Review Report for Iowa Army Ammunition Plant, Middletown, Iowa, Defense Environmental Restoration Program* (USACE 2016a) prepared by the USACE Baltimore District, a baseline human health risk assessment was conducted as part of the OU-7 SRI, which evaluated both industrial and construction worker scenarios. Generally, OU-7 is an installation-wide OU that includes sites that located across the installation and that have COPCs and exposure pathways similar to the OU-1 sites. During that risk assessment, no ECRs or noncancer HIs were calculated that exceeded the USEPA target limits of 1E-06 and 1, respectively. Due to similarities between the OU-7 and OU-1 sites, the OU-7 risk assessment results can be used to conclude that the construction worker should be adequately protected from direct contact exposures under the post-remedy conditions that currently exist at both Line 1 and the WBPS.

CHANGES IN TOXICITY OR CONTAMINANT CHARACTERISTICS

No changes have occurred in the known chemical/physical characteristics of the COCs identified for Line 1 and the WBPS. However, since publication of the OU-1 Final ROD, oral cancer slope factors (CSFo) and oral reference doses (RfDo) that were used to derive human health risk-based RGs for the protection of industrial workers from soil ingestion exposures have been updated. Table A-1-5 shows the CSFo and RfDo updates (i.e., in the gray-shaded cells of the table), along with corresponding reference sources for the values. Footnotes to Table A-1-5 indicate sources of the values, as well as source hierarchy (i.e., Tier 1, 2, or 3), per USEPA guidelines (USEPA 2003c).

Table A-1-5. Cancer and Noncancer Oral Toxicity Factor Updates for Soil Contaminants of Concern at Line 1 and the West Burn Pad South of the Road

CAS No.	Contaminants of Concern	Oral Cancer Slope Factor (mg/kg/day) ⁻¹		Chronic Oral Reference Dose (mg/kg/day)	
		ROD ^a	Current	ROD ^a	Current
7440-36-0	Antimony	---	---	4.0E-04	4.0E-04 ^b
7440-38-2	Arsenic	1.80E+00	1.50E+00 ^c	3.0E-04	3.0E-04 ^c
7440-39-3	Barium	---	---	7.0E-02	2.0E-01 ^d
7440-41-7	Beryllium	4.3E+00	---	5.0E-03	2.0E-03 ^e
7440-43-9	Cadmium	---	---	1.0E-03	1.0E-03 ^f
7440-47-3	Chromium VI	---	5.0E-01 ^g	5.0E-03	3.0E-03 ^h
7439-92-1	Lead	---	---	---	---
7440-28-0	Thallium	---	---	7.0E-05 ⁱ	2.0E-05 ^j
56-55-3	Benzo(a)anthracene	7.3E-01 ^l	1.0E-01 ^{k,l}	3.0E-02 ^m	---
50-32-8	Benzo(a)pyrene	7.3E+00 ⁿ	1.0E+00 ^{k,n}	3.0E-02 ^m	3.0E-04 ^m
205-99-2	Benzo(b)fluoranthene	7.3E-01 ^l	1.0E-01 ^{k,l}	3.0E-02 ^m	---
53-70-3	Dibenz(a,h)anthracene	7.3E+00 ⁿ	1.0E+00 ^{k,n}	3.0E-02 ^m	---
1336-36-3	Total PCBs	7.7E+00	2.0E+00 ^o	7.0E-05	---
11097-69-1	Aroclor-1254	7.7E+00	2.0E+00 ^p	7.0E-05	2.0E-05 ^q
11096-82-5	Aroclor-1260	7.7E+00	2.0E+00 ^p	7.0E-05	---

Table A-1-5. Cancer and Noncancer Oral Toxicity Factor Updates for Soil Contaminants of Concern at Line 1 and the West Burn Pad South of the Road (Continued)

CAS No.	Contaminants of Concern	Oral Cancer Slope Factor (mg/kg/day) ⁻¹		Chronic Oral Reference Dose (mg/kg/day)	
		ROD ^a	Current	ROD ^a	Current
60-57-1	Dieldrin	1.6E+01	1.6E+01 ^f	5.0E-05	5.0E-05 ^s
99-35-4	1,3,5-TNB	---	---	5.0E-05	3.0E-02^t
121-14-2	2,4-DNT	6.8E-01 ^u	3.1E-01^v	2.0E-03	2.0E-03 ^w
118-96-7	2,4,6-TNT	3.0E-02	3.0E-02 ^x	5.0E-04	5.0E-04 ^y
121-82-4	RDX	1.1E-01	8.0E-02 ^z	3.0E-03	4.0E-03 ^{aa}
2691-41-0	HMX	---	---	5.0E-02	5.0E-02 ^{bb}

^a Toxicity values used in the derivations of the risk-based soil RGs presented in the OU-1 Final ROD (USACE 1998a) are assumed to be the same as those used in the RI/RA Report (JAYCOR 1996). Therefore, the values presented in the "ROD" columns in the preceding table are those used by the RI/RA Report (JAYCOR 1996).

^b Schroeder et al. 1970, as cited in the Integrated Risk Information System (IRIS) Database (USEPA 2018b). Tier 1 value.

^c Tseng et al. 1968; Tseng 1977, as cited in the IRIS Database (USEPA 2018b). Tier 1 value.

^d NTP 1994, as cited in the IRIS Database (USEPA 2018b). Tier 1 value.

^e Morgareide et al. 1976, as cited in the IRIS Database (USEPA 2018b). Tier 1 value.

^f USEPA 1985, as cited in the IRIS Database (USEPA 2018b). Tier 1 value.

^g NJDEP 2009, as cited in the RSLs website (USEPA 2018a). Tier 3 value.

^h MacKenzie et al. 1958, as cited in the IRIS Database (USEPA 2018b). Tier 1 value.

ⁱ The oral chronic reference dose (RfD) used in the derivation of the OU-1 ROD soil RG for thallium is based on thallic oxide, based on information presented in the *Health Effects Assessment Summary Tables* (HEAST) (USEPA 1992), as cited by the RI/RA Report (JAYCOR 1996), Volume 11.

^j The current chronic oral RfD thallic oxide is presented for thallium in a manner consistent with the RI/RA Report (JAYCOR 1996), Volume 11, and also in a manner consistent with the subsequent derivation of the OU-1 ROD soil RG for thallium. The current RfDo of 2E-05 mg/kg-day for thallic oxide was obtained through the USEPA RSLs website (USEPA 2018a) and was derived by the USEPA from the PPRTV RfDo for thallium sulfate by molecular weight adjustments and stoichiometric calculations.

^k Kroese et al. 2001; Beland et al. 1998, as cited in the IRIS Database (USEPA 2018b). Tier 1 value.

^l The cancer slope factor for benzo(a)pyrene along with a relative potency factor (RPF) (i.e., relative to benzo(a)pyrene carcinogenicity) of 0.1 was applied per USEPA guidance (USEPA 1993b).

^m The OU-1 ROD oral chronic RfD was based on the oral RfD for pyrene, as cited by the RI/RA Report (JAYCOR 1996). The current chronic oral RfD was derived by Chen et al, 2012, as cited in the IRIS Database (USEPA 2018b). Tier 1 value.

ⁿ The cancer slope factor for benzo(a)pyrene along with a RPF (i.e., relative to benzo(a)pyrene carcinogenicity) of 1.0 was applied per USEPA guidance (USEPA 1993b).

^o High risk value (Brunner et al. 1996; Norback and Weltman 1985), as cited in the IRIS Database (USEPA 2018b). Tier 1 value.

^p Oral cancer slope factor equivalent to that of Total PCBs (high risk), as cited on online RSLs website (USEPA 2018a). No other information available.

^q Arnold 1993a, 19993b; Tryphonas 1989, 1991a, 1991b, as cited in the IRIS Database (USEPA 2018b). Tier 1 value.

^r Based on studies cited in the IRIS Database (USEPA 2018b): Davis 1965, reevaluated by Reuber 1974 (cited in Epstein 1975a; Walker et al. 1972; Thorpe and Walker 1973; NCI 1978a,1987b; Tennekes et al. 1981; Meierhenry et al. 1983).

^s Walker et al. 1969, as cited in the IRIS Database (USEPA 2018b). Tier 1 value.

^t Reddy et al. 1996, 1997, as cited in the IRIS Database (USEPA 2018b). Tier 1 value.

^u Oral cancer slope factor for mixtures of 2,4-/2,6-DNT, as cited by the RI/RA Report (JAYCOR 1996).

^v CalEPA 2018.

^w Ellis, et al. 1985, as cited in the IRIS Database (USEPA 2018b). Tier 1 value.

^x DOD 1984a, as cited in the IRIS Database (USEPA 2018b). Tier 1 value.

^y DOD 1983a, as cited in the IRIS Database (USEPA 2018b). Tier 1 value.

^z DOD 1984b, as cited in the IRIS Database (USEPA 2018b). Tier 1 value.

^{aa} DOD 1983b, as cited in the IRIS Database (USEPA 2018b). Tier 1 value.

^{bb} DOD 1985a, as cited in the IRIS Database (USEPA 2018b). Tier 1 value.

Notes:

--- Indicates no toxicity value available.

CAS – Chemical Abstracts Service

Shaded values represent updates since the OU-1 Final ROD (USACE 1998a). Shaded/**bolded** values indicate that the updated toxicity values are more health-protective than the values available at the time of the development of the risk-based RGs presented in the OU-1 Final ROD.

Because of the updates implemented by the USEPA, some of the updated toxicity values (i.e., “Current” values) are more health conservative and afford an increased level of health protection than did the previous toxicity values (i.e., “ROD” values). Based on CSFo an RfDo applications in equations used to calculate ECRs and noncancer HQs, respectively, as well as in equations used to calculate health-based RGs, a CSFo becomes more health conservative when increased in value and a RfDo becomes more health conservative when reduced in value. If used in a risk assessment calculation, a more health conservative toxicity value will result in a higher ECR or noncancer HQ for a COC, as well as a lower RG for the same COC. In Table A-1-5, the updated (current) toxicity values that are more health conservative are those that are presented in bold font.

Of the carcinogenic COCs, the only updated CSFo that results in greater health protection over the value used previously in RG derivations is the recently published CSFo for hexavalent chromium. Although the actual COC for OU-1 is chromium, no toxicity criteria existed at the time of the ROD for assessing ECRs or noncancer HQs associated with total chromium. Currently, such toxicity data are still unavailable. Therefore, the assumption of chromium being in the most toxic valence state for this metal (i.e., the hexavalent state, was applied to represent a worst-case scenario). This assumption is consistent with all past and present evaluations of chromium at the IAAAP, and is applied in order to ensure health protectiveness. This is because all samples collected for chromium analysis from the IAAAP were analyzed for total chromium, without speciation of the two common valence states in which chromium exists in the environment (i.e., chromium III and chromium VI).

In the OU-1 Final ROD (USACE 1998a), only a noncarcinogenic RfDo was available for hexavalent chromium, which was conservatively used in the derivation of the soil ingestion RG for chromium. At the time of development of the RG, no CSFo was available for hexavalent chromium; therefore, the ingestion route could not be evaluated for ECR. Currently, although no CSFo exists for hexavalent chromium in the IRIS database, a Tier 3 provisional value of $0.5 \text{ (mg/kg-day)}^{-1}$ derived by the New Jersey Department of Environmental Protection (NJDEP) (NJDEP 2009). This CSFo has recently been adopted by the USEPA in the calculations of RSLs. Incorporation of the updated CSFo into a risk assessment would result in an increased total ECR estimated for a receptor. The USEPA RSL for hexavalent chromium (USEPA 2018a) (see Table A-1-4) have been derived based on the most current toxicity values available, as well as current exposure pathway information and assumptions. Therefore, the overall protectiveness of the remedy as a result of this update, as well as the updates for all carcinogenic COCs, has been evaluated through a comparisons of the RGs with the latest USEPA RSLs (USEPA 2018a), as discussed in the “Health Protectiveness of the Remedy” section (Section 2.9.2.4).

Table A-1-5 also shows that of the noncarcinogenic COCs, the only updated RfDo values that result in greater health protection over the corresponding values used previously in RG derivations, are the recently published RfDo values for benzo(a)pyrene, beryllium, hexavalent chromium, thallium (assumed to be in the form of thallic oxide), Aroclor-1254, and 1,3,5-TNB. The USEPA RSLs (USEPA 2018a) have been derived based on current toxicity values, as well as the current exposure pathway information and assumptions for these and all of the COCs. Therefore, the overall protectiveness of the remedy as a result of these toxicity value updates has been evaluated through comparisons of the OU-1 Final ROD RGs with the RSLs, as discussed in the “Health Protectiveness of the Remedy” section.

HEALTH PROTECTIVENESS OF THE REMEDY

Based on the information previously presented regarding changes in exposure pathway/assumptions, risk assessment methods, and toxicity values that have occurred since publication of the OU-1 Final ROD and subsequent ESD documents, the health protectiveness of the remedy implemented at Line 1 and the WBPS must be evaluated. Therefore, the health and environmental protectiveness status of the remedies applied to Line 1 and the WBPS are evaluated in this section relative to the following: (1) human health risk-based RGs, which were derived based on cancer and noncancer effects following ingestion exposures to a site worker, targeting an ECR of $1E-06$ and a noncancer HQ of 1; (2) the ground-water protection RGs; (3) the latest USEPA RSLs for industrial soil that target a $1E-04$ ECR and a noncancer HQ of 1 for carcinogens and noncarcinogens, respectively; and (4) ecological critical concentration (Eco CCs) (derived for protection of the Indiana bat). Data comparisons with these criteria that support the health protectiveness evaluations are presented in Appendix B, Attachments B-1 through B-3 for Line 1, and in Attachments B-4 and B-5 for WBPS. Appendix B presents all of the existing post-remedy data available for Line 1 and WBPS. Post-remedy data include pre-design characterization data for samples that were not remediated, along with post-remedial verification data. In addition to evaluating data against the aforementioned comparison values, the health protectiveness of the remedy was further demonstrated and confirmed for areas in which the remedy had been applied each at Line 1 and the WBPS through calculations of cumulative ECRs and noncancer HIs.

The following subsections discuss remedy protectiveness evaluations for the COCs identified at Line 1 and the WBPS, based on the aforementioned data comparisons, for the following: human health (worker) protection from exposures to carcinogenic and noncarcinogenic COCs and lead, protections of ecological receptors (i.e., Indiana bat) from exposures to ecological COCs, and protection of ground water from RDX, 2,4,6-TNT, and barium concentrations in soil.

Human Health Protectiveness Evaluations for Carcinogenic COCs

Table A-1-4 shows that most of the OU-1 Final ROD RGs for the carcinogenic chemicals (i.e., arsenic, benzo[a]anthracene, benzo[a]pyrene, benzo[b]fluoranthene, dibenz[a,h]anthracene, total PCBs, 2,4-DNT, 2,4,6-TNT, and RDX) are either less than or within the range of RSLs representing the USEPA TECR range. Therefore, the RGs for these chemicals are still health protective. The following paragraphs discuss data comparisons of the existing post-remedy data versus the OU-1 Final ROD RGs and other health-based criteria, as previously described. It should be noted though that because none of the post-remedy data for carcinogenic COCs at the WBPS (see Attachments B-4 and B-5) exceed the corresponding OU-1 Final ROD RGs or RSLs, the following discussions focus only on the Line 1 post-remedy data.

The data comparisons in Appendix B tables (Tables B-1-1 and B-2-1) show that none of the carcinogenic explosives results from the Line 1 pre-design characterization data exceed the corresponding human health-based RG or the corresponding RSLs. However, the Line 1 verification data (Table B-3-1) shows two RDX exceedances of the human health RG at EU 7, excavation area E (i.e., EU7-E) and EU9-B. Because both of these results are less than the corresponding RSL (380 mg/kg) targeting a $1E-05$ ECR, the remedy as applied in these areas is still health protective.

The FUSRAP and TN & Associates, Inc. (TN&A) characterization data in Tables B-1-2, B-1-3, and B-2-2, show that four of the carcinogenic PAHs (benzo[a]anthracene, benzo[a]pyrene, benzo[b]fluoranthene, and dibenz[a,h]anthracene) at Line 1 exceed the OU-1 risk-based RGs; however, all sample results for these PAHs are less than the respective RSLs targeting a $1E-04$

ECR. No RG or RSL exceedances of carcinogenic PAHs were identified in the Line 1 verification data (Table B-3-2). Table B-1-3 shows Line 1 FUSRAP characterization data for other semivolatile organic compounds (i.e., in addition to the PAHs). Aside from the previously discussed carcinogenic PAHs, no RG or RSL exceedances by any other semivolatile organic compounds were identified. The cumulative ECR associated with the maximum post-remedy soil concentrations remaining over all carcinogenic PAHs at Line 1, which is calculated based on corresponding USEPA RSLs that target an ECR of 1E-06, is 4E-05 (i.e., for benzo[a]anthracene, benzo[a]pyrene, benzo[b]fluoranthene, and dibenz[a,h]anthracene, which exceed the OU-1 RGs, plus benzo(k)fluoranthene and chrysene, which are not COCs). This ECR, which was calculated based on the corresponding current USEPA industrial soil RSLs, is within the USEPA TECR range. Therefore, the remedy is still health protective relative to the carcinogenic PAHs and semivolatile organic compounds at Line 1.

Tables B-1-4, B-2-3, and B-3-3 show that all sample results for the PCBs and dieldrin are less than both the OU-1 Final ROD RGs and the RSLs targeting a 1E-04 ECR.

Two carcinogenic metals (i.e., arsenic and chromium) were analyzed in soil samples at Line 1. The OU-1 Final ROD RG for arsenic is less than the RSL targeting a 1E-04 ECR. None of the sample results collected at Line 1 for arsenic exceed the OU-1 RG or the RSL. The OU-1 Final ROD RG of 10,000 mg/kg established for chromium (i.e., for the hexavalent form of chromium, or chromium VI) far exceeds the USEPA RSLs corresponding to the TECR range 1E-06 (630 mg/kg) to 1E-04 (6.3 mg/kg). As previously discussed, the assumption of chromium being in the most toxic valence state for this metal (i.e., the hexavalent state) represents a worst-case scenario. This assumption is consistent with past evaluations of chromium at the IAAAP in order to ensure health protectiveness. This is because all samples collected for chromium analysis are analyzed for total chromium, without speciation of the two common valence states in which chromium exists in the environment (i.e., chromium III and chromium VI).

In order to validate the continued health protectiveness of the chromium VI RG and the remedy, the analytical data available for post-remedy concentrations remaining at Line 1 have been reviewed for this five-year review. The data show that of the remaining 296 post-remedial sample concentrations of chromium reviewed for Line 1, only the concentrations reported for 5 samples from the FUSRAP characterization data set (Table B-1-6) exceed the RSL equivalent to an ECR of 1E-04 (630 mg/kg). However, all 5 of the total chromium concentrations are less than the OU-1 Final ROD RG of 10,000 mg/kg. These 5 samples, all of which were collected from the 0 to 0.5 ft depth interval at Line 1, are listed following.

- IAAP100057 – 1,440 mg/kg
- IAAP100059 – 7,510 mg/kg
- IAAP97018 – 2,740 mg/kg
- IAAP98259 – 1,170 mg/kg
- IAAP98263 – 1,380 mg/kg

The preceding 5 sample results represent less than 2 percent of all the post-remedial chromium data reviewed for this five-year review. Because it is assumed that an industrial worker can move freely around the Line 1 area, the chances of actual direct contact exposures to the concentrations at any or all of the previously identified sample locations become very insignificant, relative to the size of the area and the minimal (less than 2 percent) exceedances of the 1E-04 ECR limit. Additionally, when the USEPA reasonable maximum exposure scenario is applied to calculate an EPC, represented by the lesser of the maximum detected concentration (7,510 mg/kg) and the 95 percent upper confidence limit of the arithmetic mean concentration (UCL₉₅) (198 mg/kg), the

EPC is determined to be less than the RSL representing an ECR of 1E-04 (630 mg/kg) (see Table C-1c in Appendix C for the UCL₉₅ calculations). Therefore, when considering the five most elevated chromium concentrations reported for Line 1 that are greater than the RSL equivalent of the 1E-04 ECR for the conservatively assumed hexavalent state of chromium, in the context of current post-remedial conditions under USEPA reasonable maximum exposure scenario, the potential ECR to an industrial worker at Line 1 due to soil exposures (via ingestion, dermal contact, and dust inhalation) over a 25-year duration becomes 3E-05. Because all post-remedial concentrations of chromium result in an ECR of 3E-05, which is within the USEPA TEER range of 1E-06 to 1E-04, the OU-1 remedy remains health protective.

Finally, the health protectiveness of the remedy was further demonstrated and confirmed for areas in which the remedy had been applied through calculations of cumulative ECRs each for Line 1 and the WBPS. These calculations were performed based on the USEPA RSLs for industrial soil as being derived to target an ECR of 1E-06, and assuming the maximum post-excavation concentrations presented previously in Tables 2-7 and 2-8 to be exposure point concentrations for Line 1 and the WBPS, respectively. Applying this approach, the maximum cumulative area-wide residual ECRs calculated for Line 1 and the WBPS are 9E-05 and 4E-08, respectively. Since both of these cumulative ECRs are less than and within the USEPA TEER range of 1E-06 and 1E-04, the health protectiveness of the remedy, i.e., relative to potential cancer effects that may occur following exposures under an industrial land use scenario, has been confirmed for areas at Line 1 and WBPS in which the remedy has been applied in order to meet the OU-1 ROD RGs.

In summary, based on the previously described health protectiveness evaluations, the OU-1 risk-based soil RGs and post-remedy conditions at both Line 1 and WBPS continue to be protective of human health.

Human Health Protectiveness Evaluations for Noncarcinogenic COCs

Table A-1-4 shows that the risk-based OU-1 Final ROD RGs for noncarcinogenic COCs are compared to the USEPA RSLs derived for industrial soil based on systemic effects and targeting a HQ of 1.0. These include 1,3,5-TNB, HMX, antimony, beryllium, cadmium, and thallium. The following paragraphs discuss RG comparisons with the RSLs, along with data comparisons of the existing post-remedy data versus the OU-1 Final ROD RGs and other health-based criteria. It should be noted though that because none of the post-remedy data for noncarcinogenic COCs at the WBPS (see Attachments B-4 and B-5) exceed the corresponding OU-1 RGs or RSLs, the following discussions focus only on the Line 1 post-remedy data.

The OU-1 Final ROD RG for 1,3,5-TNB (102 mg/kg) is more health protective than the USEPA RSL (32,000 mg/kg). Also, Tables B-1-1, B-2-1, and B-3-1 in Appendix B show that all existing post-remedy concentrations of 1,3,5-TNB are less than both the OU-1 RG and the USEPA RSL. Also, the OU-1 Final ROD RG for HMX (51,000 mg/kg) is more health protective than the USEPA RSL (57,000 mg/kg), and Tables B-1-1, B-2-1, and B-3-1 show that all existing post-remedy concentrations of HMX are less than both the OU-1 RG and the USEPA RSL. Therefore, both the existing RGs and the implemented remedy continue to remain health protective at OU-1 for noncarcinogenic explosives.

The OU-1 Final ROD RG for antimony (816 mg/kg) exceeds the current USEPA RSL for industrial soil (470 mg/kg). However, the data in Tables B-1-6, B-2-4, and B-3-4 show that all existing post-remedy concentrations of antimony are less than the RG and the USEPA RSL. Therefore, both the existing RG and the implemented remedy continue to remain health protective at OU-1 for antimony.

The OU-1 Final ROD RG for beryllium (5 mg/kg) is more health protective than the current USEPA RSL (2,300 mg/kg) for industrial soil. Additionally, Tables B-1-6, B-2-4, and B-3-4 show that all existing post-remedy concentrations of beryllium are less than the RG and the USEPA RSL. Therefore, both the existing RG and the implemented remedy continue to remain health protective at OU-1 for beryllium.

The OU-1 Final ROD RG for cadmium (1,000 mg/kg) slightly exceeds the current USEPA RSL for industrial soil (980 mg/kg). Pathway analysis using the USEPA SLs show that ingestion is the primary contributor to the noncancer hazard, along with some contribution from the dermal pathway. The hazard contribution from inhalation is negligible. The OU-1 RG is less than all of the pathway-specific SLs. Tables B-1-6, B-2-4, and B-3-4 show that all existing post-remedy concentrations of cadmium are less than the OU-1 Final ROD RG, as well as the USEPA RSL. Therefore, both the existing RG and the implemented remedy continue to remain health protective at OU-1 for cadmium.

The OU-1 Final ROD RG for thallium (143 mg/kg) exceeds the USEPA RSL (23 mg/kg for thallic oxide). The evaluation of the soil against the soil RSL for thallic oxide is based on the subchronic and chronic oral RfDs of 7E-04 mg/kg-day and 7E-05 mg/kg-day, respectively, that were used in the RI/RA Report (JAYCOR 1996). Table 4-1 of that RI/RA Report cites Table 1 of the 1992 HEAST (USEPA 1992) for these values. The chronic RfD of 7E-05 mg/kg-day was subsequently used to derive the OU-1 soil RG of 143 mg/kg. The oral RfD values in the 1992 HEAST correspond to thallic oxide and do not correspond to any other of the forms of thallium salts. However, Tables B-1-6, B-2-4, and B-3-4 show that all existing post-remedy concentrations of thallium are less than both the OU-1 Final ROD RG and the USEPA RSL. Therefore, both the existing RG and the implemented remedy continue to remain health protective at OU-1 for thallium.

Finally, in addition to evaluating data against the aforementioned health-based comparison values, the health protectiveness of the remedy was further demonstrated and confirmed for areas in which the remedy had been applied through calculations of cumulative noncancer HIs each for Line 1 and the WBPS. These calculations were performed based on the USEPA RSLs for industrial soil as being derived to target an HI of 1, and assuming the maximum post-excavation concentrations presented previously in Tables 2-7 and 2-8 to be exposure point concentrations for Line 1 and the WBPS, respectively. Applying this approach, the maximum cumulative area-wide residual HIs calculated for Line 1 and the WBPS are 0.14 and 0.17, respectively. Since both of these noncancer HIs are less than the USEPA target limit of 1, the health protectiveness of the remedy, i.e., relative to potential noncancer effects that may occur following exposures under an industrial land use scenario, has been confirmed for areas at Line 1 and WBPS in which the remedy has been applied in order to meet the OU-1 ROD RGs.

Human Health Protectiveness Evaluation for Lead

The OU-1 Final ROD RG for lead (1,000 mg/kg) exceeds the USEPA RSL (800 mg/kg). Table B-1-6 shows that the only existing post-remedy concentration of lead (1,450 mg/kg) that exceeds the RG, as well as the RSL, was collected from sample location IAAP96976. This sample represents one sample aliquot that was part of a three-sample composite collected from EU3 at Line 1, in the vicinity of excavation area EU3-A. This sample result appears to be an outlier result when considering data from other nearby sample locations.

In order to assess potential impacts, if any, to the health-protectiveness of the remedy as a result of the one elevated sample concentration, the USEPA ALM, which was developed by the

USEPA TRW, was used to calculate potential health risks associated with site (industrial) worker and construction worker exposures to lead in soil at Line 1, within and around EU3-A. Attachment D-1 of Appendix D shows that mean concentrations were calculated as EPCs for lead that incorporated data from the elevated sample, plus data from eight other locations in the immediate proximity (henceforth referred to as the EU3-A area) (IAAP100000, IAAP100002, IAAP100004, IAAP100006, IAAP100008, IAAP103900, IAAP103904, and IAAP111608). For this evaluation, the site worker EPC for lead (198 mg/kg) was calculated as the arithmetic mean of pre-remedy FUSRAP characterization data collected at the EU3-A area to a depth of 1.0 ft bgs (for consistency with the FUSRAP RI [USACE 2008a]), plus all post-remedy verification data. The construction worker EPC for lead (152 mg/kg) was calculated as the arithmetic mean of all pre-remedy FUSRAP characterization data collected at the EU3-A area (available to the maximum depth of 2 ft bgs), plus all post-remedy verification data. Application of the arithmetic mean as the EPC is consistent with USEPA guidance (USEPA 2003b). The EPCs were then entered into the USEPA ALM to assess potential human health risks to a human receptor (worker) who randomly moves across the evaluated area (i.e., the EU3-A area) while working at Line 1.

Generally, the ALM determines risk to the fetus of a pregnant adult female based on maternal exposures to outdoor soil and/or indoor dust. For this five-year review, the ALM was used to calculate the percent probability that post-exposure fetal blood lead (PbB) levels will exceed a benchmark of 5 µg/dL of blood. For this evaluation, an elevated risk is indicated by a greater than 5 percent probability that fetal PbB levels could exceed the 5 µg/dL benchmark following maternal exposures. The ALM calculations and results for this evaluation are presented in Attachment D-2 of Appendix D. Calculation inputs for baseline PbB (0.6 µg/dL) and geometric standard deviation for PbB (1.8) were entered into the ALM in a manner consistent with current USEPA recommendations according to the guidance entitled: *Transmittal of the Update of the Adult Lead Methodology's Default Baseline Blood Lead Concentration and Geometric Standard Deviation Parameters* (USEPA 2017). An exposure frequency of 200 days per year assumes the pregnant site worker or construction works in the area 5 days per week over 40 weeks of pregnancy. The results of the ALM calculations for the EU3-A area show no elevated fetal risks due to either site worker or construction worker exposures to lead in soil. Attachment D-2 shows that the maximum probabilities of exceeding the 5 µg/dL fetal PbB benchmark are 0.076 percent and 3.5 percent under the site worker and construction worker scenarios, respectively. Therefore, both the existing OU-1 Final ROD RG and the implemented remedy continue to remain health protective at OU-1 for lead, even with the outlier result of 1,450 mg/kg included in the ALM calculations.

Ground-Water Protectiveness Evaluations for RDX and 2,4,6-TNT in OU-1

In addition to risk-based soil RGs for the protection of human health, the potential impact to ground water from residual RDX and 2,4,6-TNT contamination in soil was also evaluated. The Summers model was used to estimate the RDX and TNT soil RGs (1.3 mg/kg and 47.6 mg/kg, respectively) at OU-1. Generally, the Summers model estimates leaching of a chemical from soil directly to the underlying ground water, while applying simple, yet site-specific inputs for vertical volumetric water flow through the soil column, along with the horizontal volumetric flow rate of ground water in the subject aquifer. According to the OU-1 Final ROD (USACE 1998a), the derivation of the RGs for RDX and 2,4,6-TNT ensures that downward migration of RDX and 2,4,6-TNT into the underlying ground water, would not result in ground-water concentration exceedances of the USEPA lifetime health advisory level of 2 µg/L for either explosive. The most recent USEPA publication of *Drinking Water Standards and Health*

Advisories (USEPA 2012) shows that this lifetime health advisory level has not been changed for either compound since the publication of the OU-1 Final ROD and ESD documents. These site-specific “leaching” RGs or ground-water protection RGs are 1.3 mg/kg for RDX and 47.6 mg/kg for 2,4,6-TNT. The ground-water protection RGs also meet the goals for unrestricted land application of treated soil (USACE 1998a).

Table A-1-4 shows comparisons of the ground-water protection RGs for RDX and 2,4,6-TNT vs available USEPA Soil Screening Levels (SSLs), which are provided in the USEPA RSL tables (USEPA 2018a). Both the RDX SSL (0.00037 mg/kg) and the 2,4,6-TNT SSL (0.015 mg/kg) are derived based on generic assumptions and protection of the carcinogenic tap water RSLs (0.7 µg/L and 2.5 µg/L, respectively) that each target an ECR of 1E-06. Both RGs exceed the corresponding SSLs, even those SSLs that target the upper limit of the USEPA TECR range, 1E-04.

Based on the OU-1 Final ROD ground-water protection RG comparisons with the available post-remedy data for Line 1, no 2,4,6-TNT sample results exceed the RG of 47.6 mg/kg. However, at Line 1, 23 RDX sample results out of a total of 1,404 results exceed the RG of 1.3 mg/kg. The maximum RDX concentration at Line 1 exceeding the RG was 200 mg/kg, which was detected in an excavation wall during verification at EU7-E. However, the frequency of the RDX ground-water protection RG exceedances across Line 1 is less than 2 percent. Additionally, Table C-1a in Appendix C shows that a site-wide EPC of 1.2 mg/kg was calculated for RDX based on the UCL₉₅ concentration, which assumes that all areas of Line 1 are potentially contributing to ground-water concentrations. This EPC is less than the ground-water protection RG of 1.3 mg/kg, but greater than the USEPA SSL corresponding to a 1E-04 ECR (0.037 mg/kg) (USEPA 2018a).

The sample exceedances are consistent with RDX ground-water plumes that have been identified at Line 1, based on the 2 µg/L lifetime health advisory, under an ongoing investigation that is being conducted under the U.S. Army’s Installation Restoration Program. Contributing to the RDX exceedance of the ground-water protection RG is soil found to be inaccessible due to the presence of buildings or other structures. The IAAAP is an industrial/military installation where ground water is not being used as a potable source by any workers. The ground water beneath the IAAAP is not expected to be used for such purposes in the foreseeable future. Potential direct contact with soil is the more plausible exposure scenario for a worker.

In summary, the remedy has been demonstrated to be protective of ground water relative to 2,4,6-TNT. However, for RDX, demonstration of ground-water protection of the remedy is inconclusive as additional investigations are being conducted that will eventually yield more data and consideration of possible further actions at Line 1, as appropriate.

Ground-Water Protectiveness Evaluations for Barium at the WBPS

During remedial actions at the WBPS, barium was found at concentrations that exceeded the LDR, which was used as screening criteria (based on the “20 times TCLP” rule for metals). USACE developed a site-specific RG for barium-only contaminated soil at the WBPS based on ground-water protection since it was the more stringent value than the human health risk-based RGs or Eco CCs. Therefore, a site-specific ground-water protection RG for the WBPS was developed based on Summers Model calculations, as was done for TNT and RDX. All Summers model calculations are based on with a literature-based on site-specific soil-to-water distribution coefficient (K_d). For the WBPS soil, a K_d value of 84 L/kg for barium was calculated by the USACE from existing leachability data obtained from analyses of total barium in WBPS soil samples and barium in the associated leachate. Barium concentrations in leachate were determined using the USEPA TCLP. The site-specific K_d was determined as the average value

estimated for a dataset consisting of 283 samples analyzed for both total barium and TCLP barium. The technical approach for the development of the barium RG is described in Appendix B of the 2011 OU-1 ROD ESD (Tetra Tech 2011b). Calculation of the barium RG was designed to ensure protection the USEPA MCL (2,000 µg/L) in the underlying aquifer. Based on site-specific leachability data applied to the Summers model calculations, the total barium measured in soil at concentrations of less than 4,100 mg/kg are considered as not only being protective of the MCL in ground water, but as having met USEPA TCLP criterion.

Table A-1-4 shows a comparison of the ground-water protection RG for barium vs USEPA SSLs (USEPA 2018a). One SSL (82 mg/kg) is derived based on protection of the MCL, and the other SSL (160 mg/kg) is based on protection of the noncancer tap water RSL (3,800 µg/L) targeting a HQ of 1.0. Both SSLs, which are derived, based on generic assumptions, appear to be more health-conservative than the site-specific ground-water protection RG derived for the WBPS. However, all post-remedy soil data available for the WBPS (Attachments B-4 and B-5), are less than the RG, which was derived for the 2011 OU-1 ROD ESD (Tetra Tech 2011b) based on site-specific Summers model inputs, including the Kd that was determined based on site-specific soil and leachate barium data. Additionally, as shown in Table A-1-4, the ground-water protection RG is less than the corresponding USEPA RSL of 220,000 mg/kg (USEPA 2018a). This indicates that both the RG and the implemented remedy are not only protective of the WBPS ground water, but also protective of human health under the existing industrial land use conditions.

Ecological Protectiveness Evaluations

Eco CCs for soil at Line 1 and the WBPS were established for protection of the Indiana bat, an endangered species observed to be present around the IAAAP, during development of the FUSRAP RD/RAWD (USACE 2008b). The Eco CCs were derived in accordance with the methods established in the BERA (Appendix M, Attachments F and G) (USACE 2004), as well as in the 2008 OU-1 ROD ESD (Tetra Tech 2008). During preparation of the BERA (USACE 2004) Eco CCs were initially derived for the following terrestrial receptors: the white-footed mouse, short-tailed shrew, and the Indiana bat. However, based on the 2008 OU-1 IROD ESD (Tetra Tech 2008), as well as the BERA (Appendix M, Attachments F and G), the Indiana bat has become the only terrestrial receptor for which Eco CCs need to be developed. As discussed in the FUSRAP RI (USACE 2008a) the Eco CCs were initially derived using a model that assumes ingestion of earthworms living in contaminated soil at the IAAAP. However, per Appendix M (Attachments F and G) of the BERA (USACE 2004), this assumption is overly conservative because the diet of the Indiana bat does not include earthworms, and the bioaccumulation factors (BAFs) in the model was replaced with those based on insects that have bioaccumulated contaminants from site soil.

The Eco CCs were established for ecological COCs identified in soil at both Line 1 and WBPS. These values are presented in Table A-1-6. For this analysis, the Eco CCs were first compared to individual post-remedy sample results for each site in Appendix B. If at least one detected concentration exceeded a corresponding Eco CC, then an EPC was calculated for the exceeding chemical(s) for that site. The comparison of the EPCs to Eco CCs was a key line-of-evidence in the BERA (USACE 2004) for the terrestrial environment.

Table A-1-6. Ecological Critical Concentrations for Ecological Contaminants of Concern at Line 1 and West Burn Pads Area South of the Road in OU-1

Contaminant Type	Ecological Contaminant of Concern	Eco CC ^a (mg/kg)		Installation-Wide EPCs for COCs with Sample Results Exceeding the Eco CCs (mg/kg)	
		Line 1	WBPS	Line 1	WBPS
Metals	Antimony	1,161	8,557	---	---
	Arsenic	156	1,150	---	---
	Barium	2,520	18,567	585	---
	Cadmium	77.4	570	---	---
	Cobalt	743	5,476	---	---
	Copper	2,444.73	2,444.73	---	---
	Lead	11,706	86,253	---	---
	Manganese	21,987	162,010	---	---
	Mercury	1.86	13.7	0.21	---
	Nickel	3,097	22,818	---	---
	Selenium	1.61	11.9	1.13	---
	Silver	91.7	676	4.79	---
	Thallium	19.1	67.5	---	---
PCBs	Aroclor-1254	1.14	8.39	---	---
	Aroclor-1260	1.14	8.37	0.62	---
	Dieldrin	0.035	0.25	---	---
Explosives	1,3-DNB	0.31	2.29	0.13	---
	2,4,6-TNT	3.55	26.2	0.18	---
	RDX	25.6	189	1.20	---
	HMX	15.2	112	2.17	---

^a Eco CCs were defined in the FUSRAP RD/RAWD (USACE 2008b).

Notes:

--- Indicates that the Eco CC is not available or that the EPC calculation was not necessary since none of the sample results exceeded the Eco CC for the parameter.

EPC calculations for ecological COCs that exceed the corresponding Eco CCs by at least one sample are presented in Appendix C. Table B-1-6 shows that single-sample exceedances of barium, mercury, selenium, silver, Aroclor-1260, 1,3-dinitrobenzene (DNB), 2,4,6-TNT, RDX, and HMX occurred at Line 1, for which EPCs were subsequently calculated. Table A-1-6 and Appendix B show no individual post-remedy soil sample exceedances of corresponding Eco CCs at WBPS; therefore, no EPCs were calculated for that site. The EPC comparisons with the respective Eco CCs in Table A-1-6 indicate no exceedances of the Eco CCs. Therefore, it is concluded that both the existing Eco CCs and the remedy continue to remain protective of the environment at OU-1 for all ecological COCs at Line 1 and the WBPS.

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ATTACHMENT A-2

**DETAILED RESPONSE TO TECHNICAL ASSESSMENT QUESTION B FOR
OPERABLE UNIT 8 AT THE IOWA ARMY AMMUNITION PLANT**

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QUESTION B: Are the exposure assumptions, toxicity data, cleanup levels and remedial action objectives used at the time of the remedy selection still valid?

Yes.

The exposure assumptions, toxicity data, cleanup levels and RAOs used at the time of remedy selection are still valid, and any changes in these values have no impact on health protectiveness. As of the writing of this Five-Year Review Report, remediation of DU-contaminated soil and DU-contaminated soil on structural surfaces at the FSA are still in progress in order to achieve the DU RGs of 150 pCi/g and 23,000 dpm/100 cm², respectively, which were established in the FUSRAP ROD (USACE 2011a) for OU-8. However, decontamination/replacement of DU-contaminated components located in two structures (Buildings 1-11 and 1-63-6) at Line 1, have been completed in accordance with the FUSRAP ROD (USACE 2011a).

CHANGES IN STANDARDS TO BE CONSIDERED

During soil and structural surface remedial actions, which are ongoing at the FSA and Line 1, location-specific, chemical-specific, and action-specific ARARs established in the FUSRAP ROD (USACE 2011a) have been met. A list and analyses of the three ARARs for identified for OU-8 in the FUSRAP ROD (USACE 2011a) are presented in Table A-2-1. The analysis shows that all three standards continue to be relevant and appropriate, in the context of current site conditions and the remedies being implemented.

Table A-2-1. Analysis of Location-, Chemical-, and Action-Specific ARARs for Operable Unit 8 FUSRAP Remediation of DU-Contaminated Soil and Soil on Structural Surfaces, Iowa Army Ammunition Plant, Middletown, Iowa

ARAR Citation	Excavation of DU-Contaminated Soil with Physical Treatment and Off-Site Disposal
	Decontamination/Replacement of Structures
Endangered Species Act 16 USC §1538(a)(1)	<p>Location-specific ARAR from the FUSRAP ROD (USACE 2011a).</p> <p>These provisions prohibit the illegal taking of a federally listed endangered species. Federal agencies are required to ensure their actions do not jeopardize the continued existence of a listed species or result in destruction of or adverse modification of its critical habitat.</p> <p>A federally listed endangered species, the Indiana bat, may be found as a transient species within the FUSRAP areas of the IAAAP. Therefore, these requirements continue to be relevant and appropriate for remedial actions conducted within the FUSRAP areas of OU-8. The selected remedy will comply with these provisions.</p>

Table A-2-1. Analysis of Location-, Chemical-, and Action-Specific ARARs for Operable Unit 8 FUSRAP Remediation of DU-Contaminated Soil and Soil on Structural Surfaces, Iowa Army Ammunition Plant, Middletown, Iowa (Continued)

ARAR Citation	Excavation of DU-Contaminated Soil with Physical Treatment and Off-Site Disposal
	Decontamination/Replacement of Structures
10 <i>CFR</i> 20 Subpart E, 10 <i>CFR</i> 20.1403(b) and (e) (NRC Radiological Criteria for License Termination)	<p>Chemical-specific ARAR from the FUSRAP ROD (USACE 2011a).</p> <p>These provisions identify the criteria under which a site is acceptable for license termination under restricted conditions. 10 <i>CFR</i> 20.1403(b) requires provisions for legally enforceable institutional controls that provide reasonable assurance that the TEDE from residual radioactivity distinguishable from background to the average member of the critical group will not exceed 25 mrem/year. 10 <i>CFR</i> 20.1403(e) requires that the annual dose to an average member of the critical group is ALARA and would not exceed 100 mrem/year if LUCs are no longer present.</p> <p>These criteria continue to be relevant and appropriate to the cleanup of DU-contaminated soil and structures at the FSAs under the FUSRAP. They were used to develop the industrial RGs for soil and structures. The selected remedy will comply with these criteria through the excavation and off-site disposal of soil and structural material that exceed the industrial RGs.</p>
10 <i>CFR</i> 20 Subpart B, 10 <i>CFR</i> 20.1101(d) (Radiation Protection Program)	<p>Action-specific ARAR from the FUSRAP ROD (USACE 2011a).</p> <p>These provisions impose a constraint on air emissions of radioactive material to the environment, excluding Rn-222 and its daughters, such that the highest individual dose to the public will not exceed 10 mrem/year. These requirements continue to be relevant and appropriate to actions involving releases of airborne radioactive materials during remediation. The selected remedy will comply with these provisions.</p>

CHANGES IN EXPOSURE PATHWAYS, EXPOSURE ASSUMPTIONS, AND RISK ASSESSMENT METHODS

No changes in land use or physical characteristics at OU-8 have occurred that would lead to a change in the COCs, potential receptors, exposure pathways, or exposure assumptions that were applied during remedy selection and the development of the FUSRAP ROD RGs for both DU in soil and DU in soil on structural surfaces. Additionally, no changes in the radiological risk assessment methods used to evaluate ECR and dose associated with exposures to DU in soil and DU in soil on structures at OU-8 have occurred.

Evaluations of Depleted Uranium in Soil

During the RI, a human health risk and dose assessment of the DU isotopes (i.e., U-234, U-235, and U-238) in soil was performed using RESRAD Version 6.3 that was developed at ANL for the DOE and released in December 2007. The RESRAD model, which is part of a family of

RESRAD codes developed for the DOE for modeling ECR and dose, was designed to assess radiation exposures to a human receptor located on top of radiologically contaminated soil. Modeling ECR and dose using the RESRAD codes is an acceptable standard industry practice, which has been applied by the USACE St. Louis FUSRAP for nearly 2 decades. For USACE St. Louis FUSRAP Sites, including IAAAP OU-8, the RESRAD models are used to calculate the maximum ECR and dose to a receptor(s) that could occur over a 1,000-year evaluation period.

Following the completion of the FUSRAP RI (USACE 2008a), RESRAD Version 6.4, an update to RESRAD Version 6.3, was used during the preparation of the FUSRAP FS (USACE 2011c) to calculate risk- and dose-based DCGLs for the individual isotopes of DU (i.e., U-234, U-235, and U-238) that were ultimately used as the basis for determining the FUSRAP ROD DU soil RG of 150 pCi/g for a site (industrial) worker at the FSA. The DCGLs that were used to calculate the RG are the minimum levels corresponding to the time of maximum dose or ECR over a 1,000-year period. The FUSRAP ROD RG of 150 pCi/g for DU in soil was derived based on a 1E-04 ECR to a site worker hypothetically exposed to DU via soil ingestion, dust inhalation, and external ground radiation. Since selection of the remedy and establishment of the soil RG, the DOE has released three updates to the RESRAD model: RESRAD Version 6.5 (October 2009), RESRAD Version 7.0 (April 2014), and the current version, RESRAD-ONSITE Version 7.2 (July 2016). None of these updates include changes in the model that would have resulted in changes to the exposure assumptions or to the methods used in calculating pathway-specific and total ECRs and doses that were used to derive the DU soil RG for the FUSRAP ROD.

Regarding ecological risks associated with DU in soil, the FUSRAP ROD (USACE 2011a) focused on protection of an endangered species, the Indiana bat, in a manner consistent with Appendix M of the BERA (USACE 2004) and the 2008 OU-1 IROD ESD (Tetra Tech 2008). The approved FUSRAP RI (USACE 2008a) and FUSRAP FS (USACE 2011c) established that no ecological risks to the Indiana bat exist, thus no ecological RAOs were established in the FUSRAP ROD. The ecological risk evaluations performed included evaluations of soil and sediment. Because Indiana bats tend to inhabit exfoliating trees and have very little potential for direct or indirect contact with DU in soil, the human health RG of 150 pCi/g is protective of the bat. This is reinforced by the fact that the RG was derived based on direct contact exposures to soil for the most likely receptor (i.e., a site worker). Evaluations of the Indiana bat in the FUSRAP RI indicated that exposures to soil would likely be indirect in nature via the ingestion of insects that emanate from larvae in the soil. However, with most of the DU contamination in soil at the FSA being present in the form of solid fragments, an insignificant potential exists for bioavailability to bats foraging on insects exposed to area soil.

Additionally, since finalization of the FUSRAP ROD, the DU RG has been applied to ongoing soil and DU fragment removals that have resulted thus far in the excavation and removal of soil and DU fragments from western portions of the FS-12 Area. These removal actions have further reduced the chances for ecological exposures to DU, as well as the potential for environmental migration of DU to sediments in Long Creek. The potential for ecological exposures will continue to decline as remediation progresses.

Evaluations of Depleted Uranium in Soil on Structural Surfaces

Similarly, during the feasibility study (USACE 2011c), a RG for DU in soil on structural surfaces (i.e., 23,000 dpm/100 cm², henceforth referred to as the “structural surface” RG) was derived for the FUSRAP ROD to determine the need for remediation of interior/exterior building surfaces and components at Line 1 and the FSA. This determination was made through RG

comparisons with total and removable gross alpha and beta survey results for interior and exterior building surfaces and components. The structural surface RG was derived using the DOE RESRAD-BUILD model Version 3.4 (i.e., RESRAD-BUILD 3.4), which was developed for assessing radiation exposures to a human receptor inside of a contaminated building or a building containing contaminated surfaces (e.g., walls, floors, furniture, equipment, etc.). The structural surface RG for DU was derived for the FUSRAP ROD based on a 1E-04 ECR to a site worker hypothetically exposed in a hypothetical room, measuring 10 m by 10 m, and with a ceiling height of 2.5 m. The modeled scenario assumes that DU-contaminated soil in the room is present on the floor and all four walls of the room. Receptor exposures are assumed to occur via ingestion, dust inhalation, and external radiation (i.e., external radiation exposures to sources of infinite volume, planar surface sources, and air submersion). The modeled source term assumed unit concentrations (pCi/m^2) of DU isotopes present at site DU activity fractions of 90.14 percent, 1.45 percent, and 8.4 percent for U-238, U-235, and U-234, respectively. The activity fractions were applied to dose-to-source ratios (DSRs) and risk-to-source ratios (RSRs) determined from model outputs to calculate the DCGLs for each isotope, based on the apportioned target dose and ECR of 25 mrem per year and 1E-04, respectively. The isotope-specific DCGLs were then converted to units of $\text{dpm}/100 \text{ cm}^2$ and summed over the three isotopes to produce the dose-based and risk-based DCGLs for DU in soil on structural surfaces. The more health-conservative of these DU DCGLs, i.e., 23,000 $\text{dpm}/100 \text{ cm}^2$, was selected as the structural surface RG for the FUSRAP ROD.

The most current version of the RESRAD-BUILD model available, as of the writing of this Five-Year Review Report, is RESRAD-BUILD Version 3.5. The update from Version 3.4 to 3.5 included no changes to exposure assumptions or methods for calculating pathway-specific and total ECR and dose.

CHANGES IN TOXICITY OR CONTAMINANT CHARACTERISTICS

No changes have occurred in the known chemical/physical characteristics of DU or the radiological components of DU (U-234, U-235, and U-238) since publication of the FUSRAP ROD (USACE 2011a). However, since publication of the FUSRAP ROD, radionuclide- and pathway-specific DCFs and CSFs, used to calculate doses and ECRs, respectively, have been updated, as documented in the ORNL *Calculation of Slope Factors and Dose Coefficients* (ORNL 2014). According to this document, the recalculations of CSFs and DCFs incorporate the latest energy and decay chain information that is currently available in the International Commission on Radiological Protection Publication (ICRP)-107 (ICRP 2008). ICRP-107 contains a revised database of nuclear decay data (energies and intensities of emitted radiations, physical half-lives and decay models) for 1,252 naturally occurring and manmade radionuclides and supersedes the previous database, ICRP-38, which was published in 1983 (ICRP 1983). ORNL presents tables that include the contribution of daughter products in secular equilibrium with their longer-lived parents (ORNL 2014). Information for progeny nuclides associated with a 100- and 1,000-year period of ingrowth, are available. The USACE St. Louis FUSRAP assessed ECR and dose contributions from decay ingrowths occurring over a 1,000-year period of evaluation for DU in soil and DU in soil on structures at OU-8 during the RI. The 1,000-year period of evaluation was also later applied to RG development and remedy selection in the FUSRAP FS (USACE 2011c), *FUSRAP Proposed Plan for the Iowa Army Ammunition Plant* (FUSRAP PP) (USACE 2011d), and FUSRAP ROD (USACE 2011a).

The following sections present the ORNL DCF and CSF updates (ORNL 2014) relative to the those values that were used in establishing the soil and structural surface RGs at OU-8 during the

feasibility study (USACE 2011c), then evaluates the validity of the RGs in light of model and toxicity value updates that have occurred since the signing of the FUSRAP ROD (USACE 2011a).

Dose Conversion Factor and Cancer Slope Factor Updates in the RESRAD-ONSITE Version 7.2 Model for Evaluating Depleted Uranium in OU-8 Soil

During preparation of the FUSRAP FS (USACE 2011c), RESRAD Version 6.4 was used to calculate the DU soil RG of 150 pCi/g for the FUSRAP ROD based on the combined ECR contributions from all three of the uranium isotopes that comprise the DU fragments observed at the FSA. In the model, the “FGR-11” library was selected as the source of DCFs and CSFs for the dose and ECR calculations, respectively. The DCFs in the FGR-11 library of RESRAD Version 6.4 were obtained from FGR-11 (USEPA 1988) for ingestion and inhalation, and from FGR-12 (USEPA 1993a) for external radiation DCFs. The CSFs in the FGR-11 library of RESRAD Version 6.4 were obtained from FGR-13 (USEPA 1999b) for all pathways. The FGR-11 Library of RESRAD Version 6.4 incorporated ICRP-38 data for nuclide energies and decay chains.

In 2014, RESRAD Version 7.0 was released, which extended its DCF database and software capability to include the new DCFs and CSFs associated with the USEPA PRG calculator. RESRAD Version 7.0 allows the user to select from 14 different DCF and CSF libraries: DCFPAK 3.02 (adult, infant, age 1, age 5, age 10, and age 15); DOE STD-1126-2001 (reference person); FGR-11 (FGR-13 or 2001 *Health Effects Assessment Summary Tables* [HEAST] CSFs); and ICRP-72 (ICRP 1995) (adult, infant, age 1, age 5, age 10, and age 15). During preparation of the *Five-Year Review Report: Third Five-Year Review Report for Formerly Utilized Sites Remedial Action Program (FUSRAP) St. Louis Sites* (USACE 2015), an evaluation of the DCFs and CSFs was conducted over the range of age groups provided by the DCFPAK 3.02 libraries. Based on the evaluation, future risk and dose assessments were recommended by the USACE to be conducted using the DCFPAK 3.02 (adult) library of RESRAD Version 7.0. This evaluation is presented by the USACE in Appendix F, Attachment F-1 (USACE 2015). Given the industrial (military) land use of the IAAAP, use of the DCFPAK 3.02 (adult) library is compatible with the risk and dose evaluations that are conducted for the likely receptors (i.e., current and future site workers and future construction workers) that have been identified at the OU-8 sites.

Therefore, given the preceding information, and to determine any possible impacts on the health-protectiveness of the remedy, the DU soil RG calculations performed in the FUSRAP FS (USACE 2011c) for OU-8 using RESRAD Version 6.4 and the FGR-11 library were verified using the latest model version, RESRAD-ONSITE Version 7.2, along with the latest DCFs and CSFs available in the DCFPAK 3.02 (adult) model library. The details and outputs relevant to verification calculations are presented in Attachment D-1. Tables A-2-2 and A-2-3 compare the DCFs and the CSFs, respectively, as provided by the RESRAD Version 6.4 and RESRAD-ONSITE Version 7.2 model outputs.

Table A-2-2. Comparisons of Current Dose Conversion Factors with Dose Conversion Factors Applied During Remediation Goal Development for Depleted Uranium in Soil

Radionuclide ^a	RESRAD Version 7.2, DCFPAK 3.02 (Adult) Library (Current DCFs) ^b		RESRAD Version 6.4, FGR-11 Library (DCFs Used During RG Development) ^c	
	Value Used by Model	Base Case ^d	Value Used by Model	Base Case ^d
Ingestion DCFs (mrem/pCi)				
Ac-227+D ^d	1.61E-03	1.19E-03	1.48E-02	---
Pa-231	1.77E-03	---	1.06E-02	---
Lead (Pb)-210+D	7.06E-03	2.58E-03	7.28E-03	5.37E-03
Ra-226+D	1.04E-03	1.04E-03	1.32E-03	---
Th-230	7.92E-04	---	5.48E-04	---
U-234	1.83E-04	---	2.83E-04	---
U-235+D	1.74E-04	1.73E-04	2.67E-04	2.66E-04
U-238	1.65E-04	---	2.55E-04	---
U-238+D	1.78E-04	1.65E-04	2.69E-04	2.55E-04
Ac-227+D	6.46E-01	5.76E-01	6.72E+00	---
Pa-231	8.51E-01	---	1.28E+00	---
Pb-210+D	3.71E-02	2.08E-02	2.32E-02	---
Ra-226+D	3.53E-02	3.52E-02	8.59E-03	---
Th-230	3.76E-01	---	3.26E-01	---
U-234	3.48E-02	---	1.32E-01	---
U-235+D	3.13E-02	---	1.23E-01	---
U-238	2.97E-02	---	1.18E-01	---
U-238+D	2.98E-02	2.97E-02	1.18E-01	---
External Radiation (Infinite Volume) DCFs, (mrem/year)/(pCi/g)^e				
Ac-227	2.62E-04	---	4.95E-04	---
Astatine (At)-218	5.57E-05	---	5.85E-03	---
At-219	0.00E+00	---	---	---
Bi-210	5.47E-03	---	3.61E-03	---
Bi-211	2.41E-01	---	2.56E-01	---
Bi-214	9.14E+00	---	9.81E+00	---
Bi-215	1.37E+00	---	---	---
Francium (Fr)-223	1.76E-01	---	1.98E-01	---
Mercury (Hg)-206	6.13E-01	---	---	---
Pa-231	1.61E-01	---	1.91E-01	---
Pa-234	8.28E+00	---	1.16E+01	---
Pa-234m	1.26E-01	---	8.97E-02	---
Pb-210	2.09E-03	---	2.45E-03	---
Pb-211	3.68E-01	---	3.06E-01	---
Pb-214	1.26E+00	---	1.34E+00	---
Polonium (Po)-210	5.64E-05	---	5.23E-05	---
Po-211	4.71E-02	---	4.76E-02	---
Po-214	4.80E-04	---	5.14E-04	---
Po-215	9.45E-04	---	1.02E-03	---

Table A-2-2. Comparisons of Current Dose Conversion Factors with Dose Conversion Factors Applied During Remediation Goal Development for Depleted Uranium in Soil (Continued)

Radionuclide ^a	RESRAD Version 7.2, DCFPAK 3.02 (Adult) Library (Current DCFs) ^b		RESRAD Version 6.4, FGR-11 Library (DCFs Used During RG Development) ^c	
	Value Used by Model	Base Case ^d	Value Used by Model	Base Case ^d
External Radiation (Infinite Volume) DCFs, (mrem/year)/(pCi/g)^e (Continued)				
Po-218	9.23E-09	---	5.64E-05	---
Ra-223	5.79E-01	---	6.03E-01	---
Ra-226	3.18E-02	---	3.18E-02	---
Radon (Rn)-218	4.26E-03	---	---	---
Rn-219	2.97E-01	---	3.08E-01	---
Rn-222	2.13E-03	---	2.35E-03	---
Th-227	5.64E-01	---	5.21E-01	---
Th-230	1.11E-03	---	1.21E-03	---
Th-231	3.25E-02	---	3.64E-02	---
Th-234	2.32E-02	---	2.41E-02	---
Thallium (Tl)-206	1.28E-02	---	---	---
Tl-207	2.39E-02	---	1.98E-02	---
Tl-210	1.68E+01	---	0.00E+00	---
U-234	3.46E-04	---	4.02E-04	---
U-235	7.01E-01	---	7.21E-01	---
U-238	1.71E-04	---	1.03E-04	---

^a “+D” Indicates that contributions from decay chain for 1,000-year progeny ingrowth.

^b DCFs in the DCFPAK 3.02 (adult) library of RESRAD-ONSITE Version 7.2 are obtained from *Calculation of Slope Factors and Dose Coefficients* (ORNL 2014). ICRP-107 decay chain information was applied by ORNL in the DCF calculations (ORNL 2014). The ORNL 2014 DCFs represent the most current values available during preparation of this first five-year review for IAAAP OU-8 sites.

^c RESRAD Version 6.4 was used to derive the risk-based RG of 150 pCi/g for industrial worker exposures to DU in soil at OU-8 sites during the FUSRAP FS (USACE 2011c) preparation. The DCFs in the FGR-11 library of RESRAD 6.4 were obtained from FGR-11 (USEPA 1988) for ingestion and inhalation DCFs, from 1993 FGR-12 (USEPA 1993a) for external radiation DCFs, and ICRP-38 for decay chain information.

^d A base case DCF is presented for the single radionuclide without contributions from progeny nuclides.

^e DCFs presented for the external ground radiation pathway represent infinite soil volume.

Notes:

“---” No value indicated per the respective RESRAD model output.

Value in shading/**bold font** represents the more health-conservative of the model-used DCFs between the DCFPAK 3.02 (adult) and FGR-11 RESRAD model libraries for the given radionuclide.

Table A-2-2 shows that all of the model-used DCFs, for all pathways, have been updated. However, for the CSFs, Table A-2-3 shows that updates occurred only for the external radiation CSFs. The previous tables both indicate with shading/**bold font** those CSFs that represent the more health-conservative of the values between the updated ORNL values in the DCFPAK 3.02 (adult) library and those in the older FGR-11 library (ORNL 2014).

Table A-2-3. Comparisons of Current Cancer Slope Factors with Cancer Slope Factors Applied During Remediation Goal Development for Depleted Uranium in Soil

Radionuclide ^a	RESRAD Version 7.2, DCFPK 3.02 (Adult) Library (Current CSFs) ^b		RESRAD Version 6.4, FGR-11 Library (DCFs Used During RG Development) ^c	
	Value Used by Model	Base Case ^d	Value Used by Model	Base Case ^d
Inhalation CSFs (Risk/pCi)				
Ac-227+D	6.54E-10	2.45E-10	6.53E-10	2.45E-10
Pa-231	2.26E-10	---	2.26E-10	---
Pb-210+D	3.44E-09	1.18E-09	3.44E-09	1.18E-09
Ra-226+D	5.15E-10	5.14E-10	5.15E-10	5.14E-10
Th-230	1.19E-10	---	1.19E-10	---
U-234	9.55E-11	---	9.55E-11	---
U-235+D	9.76E-11	9.43E-11	9.76E-11	9.44E-11
U-238	8.66E-11	---	8.66E-11	---
U-238+D	1.21E-10	8.66E-11	1.21E-10	8.66E-11
Ac-227+D	2.13E-07	1.49E-07	2.13E-07	1.49E-07
Pa-231	7.62E-08	---	7.62E-08	---
Pb-210+D	3.08E-08	1.59E-08	3.08E-08	1.58E-08
Ra-226+D	2.82E-08	2.81E-08	2.83E-08	2.82E-08
Th-230	3.41E-08	---	3.40E-08	---
U-234	2.78E-08	---	2.78E-08	---
U-235+D	2.50E-08	---	2.50E-08	---
U-238	2.36E-08	---	2.36E-08	---
U-238+D	2.37E-08	2.36E-08	2.36E-08	---
Radon Inhalation CSFs (Risk/pCi)				
Rn-222	1.80E-12	---	1.80E-12	---
Po-218	3.70E-12	---	3.70E-12	---
Pb-214	6.20E-12	---	6.20E-12	---
Bi-214	1.50E-11	---	1.50E-11	---
External Radiation (Infinite Volume) CSFs (Risk/year per pCi/g)^e				
Ac-227+D	1.63E-06	1.98E-10	1.47E-06	3.48E-10
Pa-231	1.27E-07	---	1.39E-07	---
Pb-210+D	4.30E-09	1.48E-09	4.21E-09	1.41E-09
Ra-226+D	8.37E-06	2.50E-08	8.49E-06	2.29E-08
Th-230	8.45E-10	---	8.19E-10	---
U-234	2.53E-10	---	2.52E-10	---
U-235+D	5.76E-07	5.51E-07	5.43E-07	5.18E-07
U-238	1.24E-10	---	4.99E-11	---
U-238+D	1.19E-07	1.24E-10	1.14E-07	4.99E-11

^a "+D" Indicates that contributions from decay chain for 1,000-year progeny ingrowth.

^b CSFs in the DCFPAK 3.02 (adult) library of RESRAD-ONSITE Version 7.2 are obtained from *Calculation of Slope Factors and Dose Coefficients* (ORNL 2014). ICRP-107 decay chain information was applied by ORNL in the CSF calculations (ORNL 2014). The ORNL 2014 CSFs represent the most current values available during preparation of this first five-year review for IAAAP OU-8 sites.

^c RESRAD Version 6.4 was used to derive the risk-based RG of 150 pCi/g for industrial worker exposures to DU in soil during the FUSRAP FS (USACE 2011c) preparation. The CSFs in the FGR-11 library of RESRAD Version 6.4 were obtained from FGR-13 (USEPA 1999b) for all pathways, along with ICRP-38 for decay chain information.

^d A base case CSF is presented for the single radionuclide without contributions from progeny nuclides.

^e CSFs presented for the external ground radiation pathway represent infinite soil volume.

Notes:

"---" No value indicated per the respective RESRAD model output.

Value in shading/**bold font** represents the more health-conservative of the model-used CSFs between the DCFPAK 3.02 (adult) and FGR-11 RESRAD model libraries for the given radionuclide.

One observed technical issue common to the soil ingestion CSFs in the libraries of both the RESRAD Version 6.4 and RESRAD-ONSITE Version 7.2 models is that the soil ingestion CSFs are actually the CSFs for the dietary (food ingestion) pathway. The dietary CSFs have been applied as model default values for the soil ingestion pathway, possibly because soil ingestion was not originally included as an exposure pathway in the FGR-13 (USEPA 1999b). However, the reasons for not updating the soil ingestion pathway evaluations in the RESRAD Version 7.0 and RESRAD-ONSITE Version 7.2 model versions with the ORNL soil ingestion CSFs are not known (ORNL 2014). However, Table A-2-4 shows that based on direct comparisons between the FGR-13 dietary CSFs, which are the same dietary CSFs applied during RG development, and the ORNL soil ingestion CSFs for the industrial worker, use of the dietary CSFs for the soil ingestion pathway would result in the more health-conservative ECR evaluation (ORNL 2014).

Table A-2-4. Comparison Between DCFPAK 3.02 Dietary Cancer Slope Factors and ORNL 2014 Soil Ingestion Cancer Slope Factors for a Worker

Radionuclide	RESRAD Version 7.2 DCFPAK 3.02 Dietary CSFs (Risk/pCi)	ORNL (2014) Soil Ingestion CSFs for "Soil Worker" (Risk/pCi)
Ac-227	2.45E-10	2.01E-10
Ac-227+D	6.54E-10	---
Pa-231	2.26E-10	1.54E-10
Pb-210	1.18E-09	5.99E-10
Pb-210+D	3.44E-09	---
Ra-226	5.14E-10	2.95E-10
Ra-226+D	5.15E-10	2.95E-10
Th-230	1.19E-10	7.73E-11
U-234	9.55E-11	5.11E-11
U-235	9.43E-11	4.92E-11
U-235+D	9.76E-11	5.00E-11
U-238	8.66E-11	4.66E-11
U-238+D	1.21E-10	5.62E-11

Note:

Value in shading/**bold font** represent the more health-conservative CSF for the ingestion pathway between the DCFPAK 3.02 (adult) dietary (food ingestion) CSFs and the ORNL soil ingestion CSFs for a "Soil Worker" (ORNL 2014)

Because of the RESRAD model version updates, as well as DCF and CSF updates, RESRAD-ONSITE Version 7.2 was used to duplicate calculation of the FUSRAP ROD RG for DU in soil, which was previously calculated using RESRAD Version 6.4 in the FUSRAP FS (USACE 2011c), as a verification of the continued health-protectiveness of the remedy that is currently being implemented at the FSA. The details of this verification are presented in Attachment E-1. It should be emphasized that the intent of these recalculations is to determine possible impacts of the combined model, DCF, CSF, and decay chain data updates on health-protectiveness of the remedy at OU-8.

Based on the results of recalculations, it was determined that the risk-based DCGLs are more health-conservative than the dose-based DCGLs, as they were during the original calculations in the FUSRAP FS (USACE 2011c). The risk-based DCGL calculated using RESRAD Version 6.4 in the FUSRAP FS (USACE 2011c) was 154 pCi/g, which was then rounded to become the FUSRAP ROD RG of 150 pCi/g. The risk-based DCGL recalculated using RESRAD-ONSITE

Version 7.2 for this five-year review is 147 pCi/g. Similar to the DCGL determined during the FUSRAP FS (USACE 2011c) preparation, this recalculated DCGL also rounds to become 150 pCi/g. Therefore, based on the results of this evaluation, the remedy being applied at the FSA to address soil contaminated with DU is still health-protective from potential cancer risks that could otherwise result from radiological exposures.

Health Protectiveness Evaluation of the Soil Remediation Goal for DU Relative to Noncancer Effects

As stated previously, the FUSRAP RG of 150 pCi/g for DU in soil was derived based on health protection of a site worker so that potential cancer risks from radiological exposures do not exceed the target cancer risk of 1E-04. The evaluations discussed in the previous section demonstrate that the soil RG is still health-protective of a site worker from potential cancer risks that could otherwise result from radiological exposures to DU in soil. This evaluation addresses the health protectiveness of the RG of 150 pCi/g for DU in soil from noncancer effects that could result from exposures to the elemental or metallic form of the uranium comprising the DU at the FSA.

Generally, in order to calculate noncancer HIs and risk-based concentrations for elemental uranium in soil, the USEPA currently recommends the use of a recently published, intermediate-term minimal risk level (MRL) of 0.0002 mg/kg-day as the RfDo, in conjunction with an inhalation RfC of 4.0E-05 mg/m³. An MRL is an estimate of daily human exposure to a substance that is likely to be without an appreciable risk of adverse noncancer effects over a specified duration of exposure. MRLs are derived when reliable and sufficient data exist to identify the target organ(s) and critical effects that could result from exposures, via a given route (e.g., ingestion, dermal, or inhalation), for a specific duration of time. MRLs are based on noncancer health effects only and do not consider carcinogenic effects. Excluding radiological properties, elemental uranium exposures primarily lead to noncancer effects targeting the kidneys. The noncancer MRL, along with the supporting toxicological studies upon which the MRL is based, was published by the ATSDR in the *“Toxicological Profile for Uranium”* (ATSDR 2013). The MRL was subsequently adopted by the USEPA as described in a Memorandum entitled *“Considering a Noncancer Oral Reference Dose for Uranium for Superfund Human Health Risk Assessments”* (USEPA 2016). As a result of the adoption of the ATSDR MRL, the USEPA has derived and established the current RSL of 230 mg/kg for elemental uranium (i.e., as soluble salts) in soil under industrial land use assumptions (USEPA 2018a). The USEPA RSL was calculated based on a THQ of 1 and includes route-specific HQ contributions from ingestion and dust inhalation (no dermal contributions were assessed due to no absorption fraction available for uranium).

Exposures to DU in soil at the FSA are assumed to occur primarily from incidental ingestion, dermal contact and inhalation of dusts containing oxidized particles of DU. Oxidized particles are typically visible immediately beneath some DU fragments observed at the FSA that have been present in the shallow soil for a number of years. Direct contact exposures to the actual metallic fragments of DU are not likely to be significant because the solid metal fragments are large enough to likely preclude accidental ingestion and would not become airborne or volatilize in a manner that would result in inhalation exposures. Additionally, the metallic form of the DU is not bioavailable for absorption through the skin and into the bloodstream upon dermal contact exposures. Because the likelihood for internal exposures to elemental uranium via the ingestion, dermal absorption, and inhalation of DU fragments is insignificant, the low potential for health risks of noncancer effects is likely to be insignificant relative to the higher potential for radiological cancer risks that could result from internal and external exposures to ionizing radiation from the uranium isotopes (U-234, U-235, and U-238) that exist in the fragments. It is for this reason that the Baseline Risk Assessment prepared as

part of the FUSRAP RI (USACE 2008a), as well as the subsequent derivation of the soil RG (150 pCi/g), focused on potential radiological cancer risks associated with the uranium isotopes of the DU fragments, rather than on the noncancer health risks associated with the elemental (non-radiological) form of uranium in the fragments.

The uranium isotopes are typically present in DU at approximately 99.799, 0.200, and 0.001 percent by weight U-238, U-235, and U-234, respectively, with corresponding activity percentages of 90.14, 1.45, and 8.40. Therefore, as discussed in Attachment E-1 of this Five-Year Review Report, the DU RG of 150 pCi/g was derived during the FUSRAP FS (USACE 2011c) based on the predominant DU isotope of U-238. To demonstrate the continued health protectiveness of the remedy, the maximum post-excavation soil concentration of U-238 (5.3 pCi/g) available to date for the remediated western portion of the FS-12 Area has been converted to the mass equivalent concentration of 15.6 mg/kg, based on the specific activity of $3.4\text{E-}07$ Ci/g for U-238 (per Table A1 of 10 *CFR* 71). This mass concentration is much less than the current USEPA industrial soil RSL of 230 mg/kg for uranium, indicating that the remedy, as it is applied to meet the radiological DU RG (150 pCi/g) in soil, is health protective of a site worker from potential noncancer effects.

DCF and CSF Updates in the RESRAD-BUILD Version 3.5 Model for Evaluating Depleted Uranium in Soil on OU-8 Structural Surfaces

During preparation of the FUSRAP FS (USACE 2011c) for OU-8, RESRAD-BUILD Version 3.4 was used to calculate the RG of 23,000 dpm/cm² for DU in soil on structural surfaces (i.e., “structural surface RG”) for health protection of a site worker. Similar to the calculations for the FUSRAP ROD RG for DU in soil (150 pCi/g), the structural surface RG calculations for the FUSRAP ROD were based on the combined ECR contributions from all three of the uranium isotopes that comprise the DU fragments observed at the FSA. In the model, the “FGR-13 Morbidity” library was selected as the source of DCFs and CSFs for the dose and ECR calculations, respectively. The DCFs in the FGR-13 Morbidity library of RESRAD-BUILD Version 3.4 were obtained from FGR-11 (USEPA 1988) for the ingestion and inhalation pathways, and from FGR-12 (USEPA 1993a) for the external radiation pathway. The CSFs for all exposure pathways in the FGR-13 Morbidity library were obtained from FGR-13 (USEPA 1999b). The FGR-13 Morbidity library incorporated ICRP-38 data for nuclide energies and decay chains.

As previously described in the “Changes in Exposure Pathways, Exposure Assumptions and Risk Assessment Methods” section, the FUSRAP ROD RG for DU in soil on structural surfaces was derived based on a $1\text{E-}04$ ECR to a site worker hypothetically exposed in a modeled compartment (i.e., a hypothetical room), measuring 10 m by 10 m, and with a ceiling height of 2.5 m. The modeled scenario assumes that DU contamination in the room is present on the floor and all four walls of the room. Receptor exposures are assumed to occur primarily via ingestion, dust inhalation, and external ground radiation. Generally, three external radiation exposure routes are evaluated in the model for which ECR and dose are calculated (i.e., for each route individually); therefore, DCFs and CSFs have been established for each of the routes. These exposure routes are identified based on the types of sources that could result in receptor exposures (ANL 2003):

- external exposure to penetrating radiation emitted directly from a source assumed to be of finite or infinite thickness (i.e., external radiation),
- external exposure to penetrating radiation emitted from radioactive particulates deposited on the floors of the compartment (i.e., surface or deposition), and
- external exposures to penetrating radiation due to submersion in radiologically contaminated particulates in air (i.e., air submersion).

Ingestion is assumed to occur via two possible routes of exposure that are evaluated as one combined ingestion route of exposure (i.e., as “ingestion”). Age-specific DCFs and soil and dietary CSFs established for ingestion are typically used, as appropriate, to cover both exposure routes. These exposure routes include the following (ANL 2003):

- Inadvertent ingestion of radioactive material contained in removable material directly from the source, and
- Inadvertent ingestion of airborne radioactive particulates deposited on the surfaces of the building.

For the purposes of determining the structural surface RG for the FUSRAP ROD (USACE 2011a), inhalation is assumed to occur via two routes of exposure, the inhalation of airborne radioactive particulates and radon. An ECR and dose are calculated for each route individually based on the respective CSFs and DCFs established for these inhalation exposure routes.

As previously stated, updated DCFs and CSFs for the above exposure pathways were published by ORNL in 2014. However, the current model version, RESRAD-BUILD Version 3.5, pre-dates the updates and therefore, contains the same DCF and CSF values in the FGR-13 Morbidity library that were used in the derivation of the structural RG during the FS.

Although the update to the RESRAD-BUILD Version 3.5 model version did not result in updates to the DCF and CSF libraries, RESRAD-BUILD Version 3.5 was used to recalculate the structural surface RG, in an attempt to duplicate the RG, using the same source, receptor, and toxicity value inputs that were used during the original RG calculation in the FUSRAP FS (USACE 2011c). The details relevant to these recalculations are presented in Attachment D-2. The intent of the recalculation is not to propose a new RG, but rather to verify and to determine the reproducibility of the RESRAD-BUILD Version 3.5 results relative to the previous model version.

From the recalculations in Attachment E-2, it was determined that the risk-based DCGLs are more health-conservative than the dose-based DCGLs, as they were during the original calculations in the FUSRAP FS (USACE 2011c). The risk-based DCGL calculated using RESRAD-BUILD Version 3.4 in the FUSRAP FS (USACE 2011c) was 23,033 dpm/100 cm², which was then rounded to become the structural surface RG of 23,000 dpm/100 cm² in the FUSRAP ROD (USACE 2011a). The risk-based DCGL calculated using RESRAD-BUILD Version 3.5 for this five-year review is 23,108 dpm/100 cm². Similar to the DCGL determined during the FUSRAP FS (USACE 2011c) preparation, this DCGL also rounds to become 23,000 dpm/100 cm², which is equivalent to the FUSRAP RG for DU in soil on structural surfaces. Therefore, the results of this evaluation verified no significant updates in the current model version that would impact the calculation of the existing structural surface RG, which was established in the FUSRAP ROD (USACE 2011a) being implemented at Line 1 and the FSA at the IAAAP.

With no impacts to the RG calculation as a result of RESRAD model updates, the next issue considered as having potential impacts to the calculation of the FUSRAP ROD structural surface RG, and consequently, the health protectiveness of the remedy, is the ORNL updates to the pathway-specific CSFs and DCFs (ORNL 2014). To address this concern, Tables A-2-5 and A-2-6 present comparisons of the pathway-specific DCFs and CSFs, respectively, between the current values published by ORNL (ORNL 2014) and those applied during development of the FUSRAP ROD structural surface RG. The DCFs and CSFs comparisons include those for the three uranium isotopes of DU (i.e., U-234, U-235, and U-238), along with those for the following associated radioactive decay products: Ac-227, Pa-231, Pb-210, Ra-226, and Th-230. For DCFs and CSFs applied during development of the structural surface RG, both tables show two sets of values obtained from the RESRAD-Build Version 3.4 model. One set was obtained

from the model output and shows the values for single nuclides and single nuclides plus dose/ECR contributions from decay progenies (with the latter indicated with the “+D” designation) as presented under the “RESRAD-BUILD Version 3.4 Model Output” column. The second set of values were obtained from the DCF Editor Version 2.5 program of the model that is used to enter single-nuclide DCFs and CSFs into the FGR-13 Morbidity Library of the model (i.e., base case values). The DCF Editor Version 2.5 program is used in both model versions (3.4 and 3.5). The ORNL values include both single nuclide values and parent nuclide plus decay product contributions (i.e., with the latter indicated with the “+D” designation) (ORNL 2014).

Table A-2-5. Comparisons of Current Dose Conversion Factors with Dose Conversion Factors Applied During Remediation Goal Development for Depleted Uranium in Soil on Structural Surfaces

Radionuclide ^a	Current DCFs ^b	DCFs Applied During RG Development ^c	
	ORNL 2014 (Single Nuclide and Nuclide+Decay Products DCFs)	RESRAD-BUILD Version 3.4 Model Output (Single Nuclide and Nuclide+Decay Products DCFs)	DCF Editor Version 2.5 FGR-13 Morbidity Library (Single Nuclide DCFs)
Ingestion DCFs (mrem/pCi)^d			
Ac-227	1.19E-03	---	1.41E-02
Ac-227+D	---	1.48E-02	---
Pa-231	1.77E-03	1.06E-02	1.06E-02
Pb-210	2.58E-03	5.38E-03	5.37E-03
Ra-226	1.04E-03	---	1.32E-03
Ra-226+D	1.04E-03	1.32E-03	---
Th-230	7.92E-04	5.48E-04	5.48E-04
U-234	1.83E-04	2.83E-04	2.83E-04
U-235	1.73E-04	---	2.66E-04
U-235+D	1.74E-04	2.67E-04	---
U-238	1.65E-04	---	2.55E-04
U-238+D	1.77E-04	2.69E-04	---
Inhalation DCFs (mrem/pCi)^d			
Ac-227	5.77E-01	---	6.70E+00
Ac-227+D	---	6.72E+00	---
Pa-231	8.51E-01	1.28E+00	1.28E+00
Pb-210	2.08E-02	1.38E-02	1.36E-02
Ra-226	3.52E-02	---	8.58E-03
Ra-226+D	3.53E-02	8.59E-03	---
Th-230	3.77E-01	3.26E-01	3.26E-01
U-234	3.48E-02	1.32E-01	1.32E-01
U-235	3.13E-02	---	1.23E-01
U-235+D	3.13E-02	1.23E-01	---
U-238	2.98E-02	---	1.18E-01
U-238+D	2.98E-02	1.18E-01	---
External Radiation (Submersion) DCFs (mrem/year)/(pCi/m³)^e			
Ac-227	6.82E-07	---	---
Ac-227+D	---	2.16E-03	---
Pa-231	2.71E-04	2.01E-04	---
Pb-210	8.80E-06	1.04E-05	---
Ra-226	5.81E-05	---	---
Ra-226+D	1.54E-02	1.04E-02	---
Th-230	2.84E-06	2.03E-06	---
U-234	1.15E-06	8.91E-07	---
U-235	1.28E-03	---	---
U-235+D	1.37E-03	9.02E-04	---
U-238	5.98E-07	---	---
U-238+D	3.46E-04	1.60E-04	---

Table A-2-5. Comparisons of Current Dose Conversion Factors with Dose Conversion Factors Applied During Remediation Goal Development for Depleted Uranium in Soil on Structural Surfaces (Continued)

Radionuclide ^a	Current DCFs ^b	DCFs Applied During RG Development ^c	
	ORNL 2014 (Single Nuclide and Nuclide+Decay Products DCFs)	RESRAD-BUILD Version 3.4 Model Output (Single Nuclide and Nuclide+Decay Products DCFs)	DCF Editor Version 2.5 FGR-13 Morbidity Library (Single Nuclide DCFs)
External Radiation (Infinite Volume) DCFs (mrem/year)/(pCi/g)^f			
Ac-227	2.62E-04	---	4.95E-04
Ac-227+D	---	---	---
Pa-231	1.61E-01	---	1.91E-01
Pb-210	2.09E-03	---	2.45E-03
Ra-226	3.18E-02	---	3.18E-02
Ra-226+D	1.04E+01	---	---
Th-230	1.11E-03	---	1.21E-03
U-234	3.46E-04	---	4.02E-04
U-235	7.01E-01	---	7.21E-01
U-235+D	7.32E-01	---	---
U-238	1.71E-04	---	1.03E-04
U-238+D	1.62E-01	---	---
External Radiation (Surface) DCFs (mrem/year)/(pCi/cm²)^f			
Ac-227	2.77E-04	---	1.83E-04
Ac-227+D	---	---	---
Pa-231	4.06E-02	---	4.75E-02
Pb-210	2.54E-03	---	2.90E-03
Ra-226	7.81E-03	---	7.52E-03
Ra-226+D	1.95E+00	---	---
Th-230	7.49E-04	---	8.76E-04
U-234	6.78E-04	---	8.73E-04
U-235	1.74E-01	---	1.73E-01
U-235+D	1.92E-01	---	---
U-238	4.57E-04	---	6.43E-04
U-238+D	1.44E-01	---	---

^a Radionuclides with the "+D" designation indicate that the associated DCFs presented include contributions from 1,000 years of progeny ingrowth. The ORNL convention for 1,000 years of ingrowth is "+E" (ORNL 2014), but "+D" is used in this table for consistency with the USEPA convention of using "+D."

^b Updated DCFs were obtained from *Calculation of Slope Factors and Dose Coefficients* (ORNL 2014). ICRP-107 decay chain information was applied by ORNL in the DCF calculations (ORNL 2014). The ORNL 2014 DCFs represent the most current values available during preparation of this first five-year review for IAAAP OU-8 sites.

^c RESRAD-BUILD Version 3.4 was used to derive the risk-based RG of 23,000 dpm/100 cm² for industrial worker exposures to DU in soil on structural surfaces at OU-8 during the FUSRAP FS (USACE 2011c) preparation. The DCFs that were applied during RG development and that are presented in the table, were obtained from the model output, which includes dose contributions from both single nuclide and parent nuclide + decay products, as well as the DCF inputs for single nuclide DCFs as applied through the model library (DCF Editor Version 2.5 FGR-13 Morbidity library). The DCFs in the FGR-13 Morbidity library of RESRAD-BUILD Version 3.4 were obtained from FGR-11 (USEPA 1988) for ingestion and inhalation DCFs, from FGR-12 (USEPA 1993a) for external radiation DCFs, and ICRP-38 for decay chain information.

^d The ORNL ingestion and inhalation DCFs (ORNL 2014) are those presented for the adult age group. The FGR-11 (USEPA 1988) document presents the ingestion and inhalation DCFs as committed effective dose equivalents (EDEs) per unit intake.

^e The model DCF Editor Version 2.5 program does not accommodate for the entry of air submersion DCFs into the model library, even though the model output indicates that the model computes a dose for this pathway. Therefore, no DCFs for this pathway are presented in the table under the "DCF Editor Version 2.5 FGR-13 Morbidity Library" column.

^f Although the model output indicates that dose is computed for the external radiation infinite volume and surface pathways, the model output does not present the DCFs that were applied during dose calculations. Therefore, no DCFs for these pathways are presented in the table under the RESRAD-BUILD Version 3.4 Model Output column.

Notes:

"---" Indicates that either a value is not available or not applicable.

Shaded/**bolded** DCFs indicate those DCFs that are the more health conservative of the ORNL 2014 DCFs versus the model-applied DCFs.

Table A-2-6. Comparisons of Current Morbidity Cancer Slope Factors with Cancer Slope Factors Applied During Remediation Goal Development for Depleted Uranium in Soil on Structural Surfaces

Radionuclide ^a	Current Morbidity CSFs ^b		Morbidity CSFs Applied During RG Development ^c	
	ORNL 2014 (Single Nuclide and Nuclide+Decay Products CSFs)		RESRAD-BUILD Version 3.4 Model Output (Single Nuclide and Nuclide+Decay Products CSFs)	DCF Editor Version 2.5 FGR-13 Morbidity Library (Single Nuclide CSFs)
	<i>Dietary</i>	<i>Soil</i>	<i>Dietary</i>	<i>Dietary</i>
	Ingestion CSFs (Risk/pCi) ^d			
Ac-227	2.45E-10	2.01E-10	---	2.45E-10
Ac-227+D	---	---	6.53E-10	---
Pa-231	2.26E-10	1.54E-10	2.26E-10	2.26E-10
Pb-210	1.18E-09	5.99E-10	1.19E-09	1.18E-09
Ra-226	5.14E-10	2.95E-10	---	5.14E-10
Ra-226+D	5.14E-10	2.95E-10	5.15E-10	---
Th-230	1.19E-10	7.73E-11	1.19E-10	1.19E-10
U-234	9.55E-11	5.11E-11	9.55E-11	9.55E-11
U-235	9.44E-11	4.92E-11	---	9.44E-11
U-235+D	9.77E-11	5.00E-11	9.76E-11	---
U-238	8.66E-11	4.66E-11	---	8.66E-11
U-238+D	1.21E-10	5.62E-11	1.21E-10	---
Inhalation CSFs (Risk/pCi)				
Ac-227	1.49E-07		---	1.49E-07
Ac-227+D	---		2.13E-07	---
Pa-231	7.62E-08		7.62E-08	7.62E-08
Pb-210	1.59E-08		1.63E-08	1.58E-08
Ra-226	2.82E-08		---	2.82E-08
Ra-226+D	2.82E-08		2.83E-08	---
Th-230	3.41E-08		3.40E-08	3.40E-08
U-234	2.78E-08		2.78E-08	2.78E-08
U-235	2.50E-08		---	2.50E-08
U-235+D	2.50E-08		2.50E-08	---
U-238	2.36E-08		---	2.36E-08
U-238+D	2.37E-08		2.36E-08	---
External Radiation (Submersion) CSFs (Risk/year)/(pCi/m ³) ^e				
Ac-227	3.16E-13		---	---
Ac-227+D	---		---	---
Pa-231	4.01E-09		---	---
Pb-210	3.94E-12		---	---
Ra-226	2.85E-11		---	---
Ra-226+D	7.75E-09		---	---
Th-230	1.34E-12		---	---
U-234	5.13E-13		---	---
U-235	6.32E-10		---	---
U-235+D	6.72E-10		---	---
U-238	2.62E-13		---	---
U-238+D	1.27E-10		---	---
External Radiation (Infinite Volume) CSFs (Risk/year)/(pCi/g) ^e				
Ac-227	1.99E-10		---	3.48E-10
Ac-227+D	---		---	---
Pa-231	1.27E-07		---	1.39E-07
Pb-210	1.48E-09		---	1.41E-09
Ra-226	2.50E-08		---	2.29E-08

Table A-2-6. Comparisons of Current Morbidity Cancer Slope Factors with Cancer Slope Factors Applied During Remediation Goal Development for Depleted Uranium in Soil on Structural Surfaces (Continued)

Radionuclide ^a	Current Morbidity CSFs ^b		Morbidity CSFs Applied During RG Development ^c	
	ORNL 2014 (Single Nuclide and Nuclide+Decay Products CSFs)		RESRAD-BUILD Version 3.4 Model Output (Single Nuclide and Nuclide+Decay Products CSFs)	DCF Editor Version 2.5 FGR-13 Morbidity Library (Single Nuclide CSFs)
	Dietary	Soil	Dietary	Dietary
	External Radiation (Infinite Volume) CSFs (Risk/year)/(pCi/g) ^e (Continued)			
Ra-226+D	8.38E-06		---	---
Th-230	8.46E-10		---	8.19E-10
U-234	2.54E-10		---	2.52E-10
U-235	5.52E-07		---	5.18E-07
U-235+D	5.76E-07		---	---
U-238	1.24E-10		---	4.99E-11
U-238+D	1.19E-07		---	---
External Radiation (Surface) CSFs (Risk/year)/(pCi/cm ²) ^e				
Ac-227	1.65E-10		---	---
Ac-227+D	---		---	---
Pa-231	3.14E-08		---	---
Pb-210	1.72E-09		---	---
Ra-226	6.25E-09		---	---
Ra-226+D	1.52E-06		---	---
Th-230	4.92E-10		---	---
U-234	3.82E-10		---	---
U-235	1.39E-07		---	---
U-235+D	1.52E-07		---	---
U-238	2.48E-10		---	---
U-238+D	3.83E-08		---	---

^a Radionuclides with the “+D” designation indicate that the associated CSFs presented include contributions from 1,000 years of progeny ingrowth. The ORNL convention for 1,000 years of ingrowth is “+E” (ORNL 2014), but “+D” is used in this table for consistency with the USEPA convention of using “+D.”

^b Updated (current) CSFs were obtained from *Calculation of Slope Factors and Dose Coefficients* (ORNL 2014). ICRP-107 decay chain information was applied by ORNL in the CSF calculations (ORNL 2014). The ORNL 2014 CSFs represent the most current values available as of the preparation of this first five-year review (ORNL 2014).

^c The CSFs shown in this column were obtained from the RESRAD-BUILD Version 3.4 model output during RG development in the FUSRAP FS (USACE 2011c). During derivation of the risk-based RG for protection of site (industrial) workers, the model library “FGR-13 Morbidity” was selected to apply CSFs pertinent to the calculations. The CSFs that were applied during RG development and that are presented in this table, were obtained from the model output, which includes ECR contributions from both single nuclide and parent nuclide + decay products, as well as from the CSF inputs for single nuclide DCFs as applied through the model library (DCF Editor Version 2.5 “FGR-13 Morbidity” library). The source of the CSFs for all pathways in the FGR-13 Morbidity library is FGR-13 (USEPA 1999b) as updated per HEAST (USEPA 2001). ICRP-38 was also applied for decay chain and energy information.

^d All RESRAD models, by default, incorporate dietary (i.e., food ingestion) CSFs for the soil ingestion pathway and do not include soil ingestion CSFs in their libraries. Dietary CSFs are included in RESRAD model libraries in lieu of soil ingestion CSFs because FGR-13 does not include soil ingestion as being an exposure pathway. ORNL ingestion CSFs include both soil ingestion and dietary CSFs (ORNL 2014). For the sake of comparisons across dietary and soil ingestion pathways, soil ingestion CSFs from ORNL (2014) are presented in the preceding table. The ORNL soil ingestion CSFs are for the “Soil Worker” group (ORNL 2014).

^e The DCF Editor Version 2.5 program of the past and current RESRAD-BUILD model versions does not accommodate for the entries of external radiation CSFs for the air submersion and surface pathways into the model library, even though ECRs are calculated as indicated in the model output. However, the program does allow for entries of external radiation CSFs for the infinite volume pathway into the model library. Additionally, the model output does not present any external radiation CSFs applied during ECR calculations. Therefore, the “RESRAD-BUILD Version 3.4 Model Output” and the “DCF Editor Version 2.5 FGR-13 Morbidity Library” columns in the preceding table reflect these issues as they pertain to the external radiation CSFs.

Notes:

“---” Indicates that either a value is not available or not applicable.

Shaded/bolded CSFs indicate those CSFs that are the more health conservative of the ORNL 2014 CSFs versus the model-applied CSFs used during RG development. For the ingestion pathway, the comparison is between ORNL 2014 soil ingestion CSFs for workers versus the dietary (food ingestion) CSFs that the RESRAD-BUILD model applies as default values to the soil ingestion pathway. Dietary CSFs were incorporated into the derivation of the FUSRAP ROD RG DU in soil on structural surfaces. No shading/**bolding** is applied if the corresponding CSFs for the same radionuclide afford the same level of health-protection if applied during RG development.

Tables A-2-5 and A-2-6 indicate with shading/bold font those DCFs and CSFs that are the more health-conservative values between the updated ORNL values (ORNL 2014) versus corresponding values in the in the FGR-13 Morbidity library.

Table A-2-5 shows that updates have occurred to DCFs for all pathways evaluated in the model. The majority of the ingestion, inhalation, external radiation (infinite volume and surficial deposition) DCFs applied during RG development are more health-conservative than the corresponding ORNL updates (ORNL 2014). However, for the air submersion pathway, the majority of the ORNL DCFs are more health conservative (ORNL 2014) than the corresponding values used during RG development. It should be noted that no model input DCFs are presented in the table for the air submersion pathway because the DCF Editor Version 2.5 program does not accommodate for user entries of DCFs for this pathway. However, as can be seen in Attachment E-2-1, the model does calculate a dose for the air submersion pathway and presents DCFs in the output. Also, no model output DCFs are presented in the table for the remaining external radiation pathways, i.e., from an infinite volume source and from surficial deposition, because the outputs do not supply that information, even though a dose is calculated for each pathway (see Attachment E-2-1).

Table A-2-6 shows the comparisons between the current ORNL CSFs (ORNL 2014) and those used during RG development. Both dietary and worker soil ingestion CSFs published by ORNL (ORNL 2014) are presented in the table because similar to the ingestion CSFs in the model libraries of RESRAD-ONSITE Version 7.2, the ingestion CSFs in both the RESRAD-BUILD Version 3.4 (used during development of the FUSRAP ROD for DU in soil on structural surfaces) and the current model version, RESRAD-BUILD Version 3.5, apply dietary CSFs as default values for ingestion. The comparisons presented in the table focus on the worker soil ingestion CSFs versus those used during development of the FUSRAP ROD RG for DU in soil on structural surfaces in the FUSRAP FS (USACE 2011c). These comparisons show that all CSFs applied during structural surface RG development are more health-conservative than the corresponding ORNL worker soil ingestion CSFs (ORNL 2014). Also, a comparison between the dietary CSFs in Table A-2-6 reveals that no updates to the dietary CSFs have been made.

Most of the inhalation CSFs have remained the same, except for the Ac-227 and Pb-210 CSFs. The inhalation CSFs for these isotopes that were used during RG development are slightly more health-conservative than the corresponding ORNL 2014 values. The majority of the ORNL CSFs for external exposure to a source of infinite volume (ORNL 2014) are more health-conservative than the corresponding model input values. No CSFs from the model output are presented in the table for this pathway because the model output does not show the CSFs (see Attachment E-2-2). No input or output model CSFs are available for comparisons with the ORNL the air submersion and the surficial deposition pathways, even though the model output (Attachment E-2-2) presents ECRs calculated for these pathways. The DCF Editor Version 2.5 program does not accommodate user entries of air submersion and surficial deposition CSFs into the model library and the model output does not provide any CSFs that are applied during ECR calculations.

In order to assess the overall potential impacts to health-protectiveness of the remedy at OU-8 as a result of the DCF and CSF updates described previously, a recalculation of the FUSRAP ROD structural surface RG would typically be performed that would incorporate the DCF and CSF updates to all radionuclides (parent and daughter nuclides) in a user-modified library, while incorporating the latest ICRP-107 decay chain information. However, the current model version (RESRAD-BUILD Version 3.5) does not accommodate the following user inputs through the DCF Editor Version 2.5 program:

- dose model
 - air submersion DCFs for the external radiation pathway

- risk model
 - air submersion CSFs for the external radiation pathway
 - surficial CSFs for the external radiation pathway (via deposition)
- dose and risk models
 - ICRP-107 decay chain information.

Because of the previously described model limitations to user-specified inputs, the FUSRAP ROD RG for structural surfaces has not been recalculated as part of this five-year review based on a user-modified DCF/CSF library that would have reflected the most recent 2014 ORNL updates. However, pathway analyses of the ECR and dose models could indicate the predominant pathway(s) contributing to the RG calculation. This information could be used to evaluate the CSF and DCF updates pertaining to that specific pathway in order to assess the validity of the FUSRAP ROD structural surface RG and health-protectiveness of the remedy.

Pathway evaluations of the ECR and dose models used in the calculation of the FUSRAP ROD structural surface RG are presented in Tables E-2-4 and E-2-7, respectively. These evaluations show that the inhalation pathway contributes predominantly to the total dose and total ECR determined for a unit concentration of DU contamination, which was used as the source term for calculating the DCGLs considered for selection as the FUSRAP ROD RG. The inhalation pathway contributes 96 percent of the total dose and 87 percent of the total ECR. Table A-2-5 shows that the inhalation DCFs, used during structural surface RG development in the FUSRAP FS (USACE 2011c), for a majority of the radionuclides associated with DU are more health-conservative than the corresponding ORNL updates (ORNL 2014). Table A-2-6 shows that most of the inhalation CSFs have remained the same, except for the Ac-227 and Pb-210 CSFs. The inhalation CSFs for these isotopes that were used during development of the FUSRAP ROD structural surface RG are slightly more health-conservative than the corresponding ORNL values (ORNL 2014). This indicates that all of the inhalation CSFs used during RG development remain valid.

In summary, the results of the comparative analyses of updated DCFs and CSFs versus those applied toward development of the FUSRAP ROD structural surface RG during the feasibility study, in conjunction with the pathway evaluations of the ECR and dose models also used to develop the RG, indicate that the FUSRAP ROD structural surface RG of 23,000 dpm/100 cm² is still valid. Therefore, the remedy being applied to address DU in soil on structural surfaces at OU-8 continues to be health protective.

APPENDIX B

**OPERABLE UNIT 1 POST-REMEDIAL CHARACTERIZATION AND VERIFICATION
DATA VERSUS COMPARISON VALUES**

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ATTACHMENT B-1

LINE 1 FUSRAP CHARACTERIZATION DATA

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Table B-1-1. FUSRAP Post-Excavation Soil Characterization Data Remaining for Explosives at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	1,3,5-TNB			1,3-DNB			2,4,6-TNT			2,4-DNT			HMX			RDX		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							102	---	---	---	---	---	196	---	---	8.7	---	---	51000	---	---	53	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	47.6	---	---	---	---	---	---	---	1.3	---	---	
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^b :							32,000	---	---	82	---	---	9,600	---	---	740	---	---	57,000	---	---	3,800	---	---
<i>Eco CC</i> ^c :							---	---	---	<i>0.31</i>	---	---	<i>3.55</i>	---	---	---	---	---	<i>15.2</i>	---	---	<i>25.6</i>	---	---
IAAP100010	IAAP100010	691780.86	93099.7	03/28/07	0	0.5	0.27	0.27	U			0.27	0.27	U	0.27	0.27	U	0.06	0.27	J	0.27	0.27	U	
IAAP100011	IAAP100011	691787.31	93095.73	03/28/07	0	0.5	0.32	0.32	U			0.32	0.32	U	0.32	0.32	U	0.32	0.32	U	0.32	0.32	U	
IAAP100012	IAAP100012	691778.68	93098.89	03/29/07	0	0.5	0.35	0.35	U			0.35	0.35	U	0.35	0.35	U	0.35	0.35	U	0.35	0.35	U	
IAAP100013	IAAP100013	691779.96	93101.82	03/29/07	0	0.5	0.27	0.27	U			0.27	0.27	U	0.27	0.27	U	0.27	0.27	U	0.27	0.27	U	
IAAP100031	IAAP100031	691727.31	93292.52	03/29/07	0	0.5	0.30	0.3	U			0.30	0.3	U	0.30	0.3	U	<i>81.00</i>	0.3	=	0.30	0.3	U	
IAAP100034	IAAP100034	691728.18	93296.62	03/29/07	0	0.5	0.31	0.31	U			0.31	0.31	U	0.31	0.31	U	0.42	0.31	=	0.11	0.31	J	
IAAP100035	IAAP100035	692005.58	92968.44	03/23/07	0	0.5	0.33	0.33	U			0.33	0.33	U	0.33	0.33	U	0.33	0.33	U	0.33	0.33	U	
IAAP100035	IAAP103996	692005.58	92968.44	06/05/07	1	2	0.29	0.29	U			0.29	0.29	U	0.29	0.29	U	0.29	0.29	U	0.29	0.29	U	
IAAP100037	IAAP100037	692014.14	92937.77	03/23/07	0	0.5	0.30	0.3	U			0.30	0.3	U	0.30	0.3	U	0.30	0.3	U	0.30	0.3	U	
IAAP100038	IAAP100038	692031.34	92874.43	03/23/07	0	0.5	0.37	0.37	U			0.37	0.37	U	0.37	0.37	U	0.37	0.37	U	0.37	0.37	U	
IAAP100039	IAAP100039	692024.18	92862.93	03/23/07	0	0.5	0.34	0.34	U			0.34	0.34	U	0.34	0.34	U	0.34	0.34	U	0.34	0.34	U	
IAAP100040	IAAP100040	692000.86	92882.82	03/23/07	0	0.5	0.32	0.32	U			0.32	0.32	U	0.32	0.32	U	0.32	0.32	U	0.32	0.32	U	
IAAP100041	IAAP100041	691961.46	92932.89	03/23/07	0	0.5	0.29	0.29	U			0.29	0.29	U	0.29	0.29	U	0.29	0.29	U	0.29	0.29	U	
IAAP100041	IAAP103995	691961.46	92932.89	06/05/07	1	2	0.30	0.3	U			0.30	0.3	U	0.30	0.3	U	0.30	0.3	U	0.30	0.3	U	
IAAP100042	IAAP100042	691968.62	92956.24	03/23/07	0	0.5	0.31	0.31	U			0.31	0.31	U	0.31	0.31	U	0.31	0.31	U	0.31	0.31	U	
IAAP100042	IAAP103994	691968.62	92956.24	06/05/07	2	3	0.29	0.29	U			0.29	0.29	U	0.29	0.29	U	0.29	0.29	U	0.29	0.29	U	
IAAP100071	IAAP99962	691694.48	92747.08	06/05/07	2	3	0.31	0.31	U			0.31	0.31	UJ	0.31	0.31	UJ	0.31	0.31	UJ	0.31	0.31	UJ	
IAAP100077	IAAP100077	691941.41	92682.71	04/15/07	0	0.5	0.33	0.33	U			0.33	0.33	U	0.33	0.33	U	0.39	0.33	J	0.33	0.33	UJ	
IAAP100080	IAAP100080	691883.53	92828.33	04/16/07	0	0.5	0.32	0.32	U			0.32	0.32	U	0.32	0.32	U	0.32	0.32	UJ	0.32	0.32	UJ	
IAAP100081	IAAP100081	691880.11	92824.77	04/16/07	0	0.5	0.30	0.3	U			0.30	0.3	U	0.30	0.3	U	0.30	0.3	U	0.30	0.3	U	
IAAP100082	IAAP100082	691846	92975.9	04/12/07	0	0.5	0.31	0.31	U			0.31	0.31	U	0.31	0.31	U	0.33	0.31	J	0.31	0.31	UJ	
IAAP100083	IAAP100083	691833.02	92985.13	04/12/07	0	0.5	0.34	0.34	U			0.56	0.34	J	0.34	0.34	U	3.80	0.34	J	1.20	0.34	J	
IAAP100084	IAAP100084	691817.45	92952.64	04/12/07	0	0.5	0.33	0.33	U			0.33	0.33	U	0.33	0.33	U	1.60	0.33	J	0.33	0.33	U	
IAAP100084	IAAP111649	691817.45	92952.64	09/24/08	0.5	2	0.32	0.32	U	<i>0.32</i>	0.32	U	0.32	0.32	U	0.32	0.32	U	0.32	0.32	U	0.32	0.32	U
IAAP100084	IAAP111650	691817.45	92952.64	09/24/08	2	4	0.32	0.32	U	<i>0.32</i>	0.32	U	0.32	0.32	U	0.32	0.32	U	0.32	0.32	U	0.32	0.32	U
IAAP100084	IAAP111651	691817.45	92952.64	09/24/08	4	6	0.32	0.32	U	<i>0.32</i>	0.32	U	0.32	0.32	U	0.32	0.32	U	0.32	0.32	U	0.32	0.32	U
IAAP100085	IAAP100085	691825.93	92962.89	04/12/07	0	0.5	0.38	0.38	U			0.38	0.38	U	0.38	0.38	U	0.38	0.38	UJ	0.38	0.38	U	
IAAP100086	IAAP100086	691816.47	92969.84	04/12/07	0	0.5	0.34	0.34	U			0.34	0.34	U	0.34	0.34	U	0.34	0.34	UJ	0.34	0.34	U	
IAAP100089	IAAP100089	691777.81	92877.46	04/12/07	0	0.5	0.38	0.38	U			0.38	0.38	U	0.38	0.38	U	0.38	0.38	UJ	0.38	0.38	U	
IAAP100090	IAAP100090	691736.11	92729.43	04/12/07	0	0.5	0.36	0.36	U			0.36	0.36	U	0.36	0.36	U	0.36	0.36	UJ	0.36	0.36	U	
IAAP100091	IAAP100091	691735.21	92735.25	04/12/07	0	0.5	0.36	0.36	U			0.36	0.36	U	0.36	0.36	U	0.36	0.36	UJ	0.36	0.36	U	
IAAP100092	IAAP100092	691738.56	92729.19	04/12/07	0	0.5	0.34	0.34	U			0.34	0.34	U	0.34	0.34	U	0.34	0.34	UJ	0.34	0.34	U	
IAAP100093	IAAP100093	691685.73	92756.51	04/12/07	0	0.5	0.41	0.41	U			0.41	0.41	U	0.41	0.41	U	1.80	0.41	J	0.89	0.41	=	
IAAP100094	IAAP100094	691692.38	92751.73	04/12/07	0	0.5	0.33	0.33	U			0.33	0.33	U	0.33	0.33	U	0.33	0.33	UJ	0.33	0.33	U	
IAAP100097	IAAP100097	692027.57	92531.96	04/15/07	0	0.5	0.34	0.34	U			0.34	0.34	U	0.34	0.34	U	0.34	0.34	UJ	0.34	0.34	U	

Table B-1-1. FUSRAP Post-Excavation Soil Characterization Data Remaining for Explosives at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	1,3,5-TNB			1,3-DNB			2,4,6-TNT			2,4-DNT			HMX			RDX		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							102	---	---	---	---	---	196	---	---	8.7	---	---	51000	---	---	53	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	47.6	---	---	---	---	---	---	---	1.3	---	---	
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^b :							32,000	---	---	82	---	---	9,600	---	---	740	---	---	57,000	---	---	3,800	---	---
<i>Eco CC</i> ^c :							---	---	---	<i>0.31</i>	---	---	<i>3.55</i>	---	---	---	---	---	<i>15.2</i>	---	---	<i>25.6</i>	---	---
IAAP103927	IAAP103927	691895.22	92989.4	05/30/07	0	0.5	0.29	0.29	UJ			0.29	0.29	UJ	0.29	0.29	UJ	0.29	0.29	UJ	0.29	0.29	U	
IAAP103929	IAAP103929	691846	92975.9	05/30/07	0	0.5	0.30	0.3	UJ			0.30	0.3	UJ	0.30	0.3	UJ	0.30	0.3	UJ	0.30	0.3	U	
IAAP103933	IAAP103933	691894.16	92815.81	06/05/07	0	0.5	0.29	0.29	U			0.29	0.29	U	0.29	0.29	U	0.29	0.29	U	0.29	0.29	U	
IAAP103934	IAAP103934	691888.07	92827.71	06/05/07	0	0.5	0.33	0.33	U			0.45	0.33	=	0.33	0.33	U	0.33	0.33	U	0.33	0.33	U	
IAAP103935	IAAP103935	691882.21	92826.3	06/05/07	0	0.5	0.31	0.31	U			0.31	0.31	U	0.31	0.31	U	0.79	0.31	=	0.31	0.31	U	
IAAP103937	IAAP103937	691786	92883	05/30/07	0	0.5	0.34	0.34	UJ			0.90	0.34	J	0.34	0.34	UJ	33.00	0.34	J	0.69	0.34	=	
IAAP103945	IAAP103945	691737.12	92730.82	06/05/07	0	0.5	0.31	0.31	U			0.36	0.31	J	0.31	0.31	UJ	0.31	0.31	UJ	0.31	0.31	UJ	
IAAP103946	IAAP103946	691713.63	92731.28	06/05/07	0	0.5	0.30	0.3	U			0.30	0.3	UJ	0.30	0.3	UJ	0.30	0.3	UJ	0.30	0.3	UJ	
IAAP103947	IAAP103947	691671.41	92853.69	05/30/07	0	0.5	0.33	0.33	UJ			0.33	0.33	U	0.33	0.33	U	0.33	0.33	UJ	0.33	0.33	U	
IAAP103955	IAAP103955	691976	92478	06/05/07	1	2	0.32	0.32	U			0.32	0.32	UJ	0.32	0.32	UJ	0.40	0.32	J	0.32	0.32	UJ	
IAAP103955	IAAP103956	691976	92478	06/05/07	2	4	0.32	0.32	U			0.32	0.32	UJ	0.32	0.32	UJ	0.32	0.32	UJ	0.32	0.32	UJ	
IAAP103960	IAAP103960	692036.54	92387.64	06/05/07	0	0.5	0.33	0.33	UJ			0.33	0.33	U	0.33	0.33	U	0.33	0.33	UJ	0.33	0.33	U	
IAAP103961	IAAP103961	692032.45	92380.16	06/05/07	0	0.5	0.34	0.34	UJ			0.34	0.34	U	0.34	0.34	U	0.34	0.34	UJ	0.34	0.34	U	
IAAP103962	IAAP103962	692031.92	92387.59	05/31/07	0	0.5	0.32	0.32	UJ			0.32	0.32	U	0.32	0.32	U	0.32	0.32	UJ	0.32	0.32	U	
IAAP103966	IAAP103966	692011.9	92389.25	05/31/07	0	0.5	0.31	0.31	UJ			0.31	0.31	U	0.31	0.31	U	0.31	0.31	UJ	0.31	0.31	U	
IAAP103985	IAAP103985	691740.96	92254.55	06/05/07	0	0.5	0.32	0.32	U			0.32	0.32	UJ	0.32	0.32	UJ	0.32	0.32	UJ	0.32	0.32	UJ	
IAAP103986	IAAP103986	691694.87	92264.54	06/05/07	0	0.5	0.32	0.32	U			0.32	0.32	UJ	0.32	0.32	UJ	0.32	0.32	UJ	0.32	0.32	UJ	
IAAP105943	IAAP105943	691813	92938	10/16/07	2	4	0.32	0.32	UJ			0.32	0.32	UJ	0.32	0.32	UJ	0.35	0.32	=	0.32	0.32	UJ	
IAAP105943	IAAP105944	691813	92938	10/16/07	4	6	0.32	0.32	UJ			0.32	0.32	UJ	0.32	0.32	UJ	0.40	0.32	J	0.32	0.32	UJ	
IAAP105960	IAAP105960	691945.85	92684.41	10/16/07	2	4	0.31	0.31	U			0.31	0.31	U	0.31	0.31	UJ	0.31	0.31	U	0.31	0.31	U	
IAAP105962	IAAP105962	691936.3	92683.35	10/16/07	2	4	0.28	0.28	U			0.28	0.28	U	0.28	0.28	UJ	0.28	0.28	U	0.28	0.28	U	
IAAP105964	IAAP105964	692019.34	92419.21	10/16/07	1	2	0.30	0.3	U			0.30	0.3	U	0.30	0.3	UJ	2.10	0.3	=	0.30	0.3	U	
IAAP105964	IAAP130414	692019.34	92419.21	09/09/10	0	1	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.08	0.25	J	0.09	0.25	J
IAAP105964	IAAP130415	692019.34	92419.21	09/09/10	2	3	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.27	0.25	=	0.25	0.25	U
IAAP105964	IAAP130416	692019.34	92419.21	09/09/10	3	4	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.23	0.25	J	0.25	0.25	U
IAAP105964	IAAP130417	692019.34	92419.21	09/09/10	4	5	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.24	0.25	J	0.25	0.25	U
IAAP105964	IAAP130418	692019.34	92419.21	09/09/10	5	6	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.14	0.25	J	0.25	0.25	U
IAAP105964	IAAP130419	692019.34	92419.21	09/09/10	6	7	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.16	0.25	J	0.25	0.25	U
IAAP105964	IAAP130420	692019.34	92419.21	09/09/10	7	8	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.10	0.25	J	0.25	0.25	U
IAAP105964	IAAP130421	692019.34	92419.21	09/09/10	8	9	0.05	0.25	J	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.18	0.25	J	0.25	0.25	U
IAAP111640	IAAP111640	691877.22	93004.64	09/24/08	0	0.5	0.26	0.26	U	0.26	0.26	U	0.26	0.26	U	0.26	0.26	U	0.26	0.26	U	0.26	0.26	U
IAAP111641	IAAP111641	691884.21	92997.58	09/24/08	0	0.5	0.28	0.28	U	0.28	0.28	U	0.28	0.28	U	0.28	0.28	U	7.30	0.28	=	0.28	0.28	U
IAAP111642	IAAP111642	691886.13	92986.85	09/24/08	0	0.5	5.10	0.27	=	0.27	0.27	U	0.31	0.27	=	0.27	0.27	U	330.00	2.7	=	0.27	0.27	U
IAAP111646	IAAP111646	691813.97	92960.93	09/24/08	0	2	0.31	0.31	U	0.31	0.31	U	0.31	0.31	U	0.31	0.31	U	0.45	0.31	=	0.31	0.31	U
IAAP111646	IAAP111647	691813.97	92960.93	09/24/08	2	4	0.33	0.33	U	0.33	0.33	U	0.33	0.33	U	0.33	0.33	U	0.65	0.33	=	0.33	0.33	U

Table B-1-1. FUSRAP Post-Excavation Soil Characterization Data Remaining for Explosives at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	1,3,5-TNB			1,3-DNB			2,4,6-TNT			2,4-DNT			HMX			RDX		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							102	---	---	---	---	---	196	---	---	8.7	---	---	51000	---	---	53	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	47.6	---	---	---	---	---	---	---	1.3	---	---	
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^b :							32,000	---	---	82	---	---	9,600	---	---	740	---	---	57,000	---	---	3,800	---	---
<i>Eco CC^c</i> :							---	---	---	<i>0.31</i>	---	---	<i>3.55</i>	---	---	---	---	---	<i>15.2</i>	---	---	<i>25.6</i>	---	---
IAAP111646	IAAP111648	691813.97	92960.93	09/24/08	4	6	0.32	0.32	U	0.32	0.32	U	0.32	0.32	U	0.32	0.32	U	0.48	0.32	=	0.67	0.32	=
IAAP111652	IAAP111652	691848.62	92980.16	09/24/08	0	1	0.30	0.3	U	0.30	0.3	U	0.30	0.3	U	0.30	0.3	U	0.30	0.3	U	0.30	0.3	U
IAAP111652	IAAP111653	691848.62	92980.16	09/24/08	1	2	0.31	0.31	U	0.31	0.31	U	0.31	0.31	U	0.31	0.31	U	0.31	0.31	U	0.31	0.31	U
IAAP111655	IAAP111655	691895.09	92825.42	09/25/08	0	0.5	0.32	0.32	U	0.32	0.32	U	0.32	0.32	U	0.32	0.32	U	0.32	0.32	U	0.32	0.32	U
IAAP111663	IAAP111663	691685.3	92748	09/23/08	0	0.5	0.35	0.35	U	0.35	0.35	U	0.35	0.35	U	0.35	0.35	U	0.35	0.35	U	0.35	0.35	U
IAAP111666	IAAP111666	691678.31	92547.43	09/23/08	0	1	0.33	0.33	U	0.33	0.33	U	0.33	0.33	U	0.33	0.33	U	0.33	0.33	U	0.33	0.33	U
IAAP111666	IAAP111667	691678.31	92547.43	09/23/08	1	2	0.33	0.33	U	0.33	0.33	U	0.33	0.33	U	0.33	0.33	U	0.33	0.33	U	0.33	0.33	U
IAAP111666	IAAP111668	691678.31	92547.43	09/23/08	2	4	0.32	0.32	U	0.32	0.32	U	0.32	0.32	U	0.32	0.32	U	0.32	0.32	U	0.32	0.32	U
IAAP111670	IAAP111670	691927.99	92676.85	09/23/08	0	2	0.31	0.31	U	0.31	0.31	U	0.31	0.31	U	0.31	0.31	U	0.31	0.31	U	0.31	0.31	U
IAAP111670	IAAP111671	691927.99	92676.85	09/23/08	2	4	0.29	0.29	U	0.29	0.29	U	0.29	0.29	U	0.29	0.29	U	1.10	0.29	=	0.29	0.29	U
IAAP111670	IAAP130374	691927.99	92676.85	09/14/10	4	5	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	UJ
IAAP111670	IAAP130375	691927.99	92676.85	09/14/10	5	6	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
IAAP111670	IAAP130376	691927.99	92676.85	09/14/10	6	7	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
IAAP111670	IAAP130377	691927.99	92676.85	09/14/10	7	8	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.04	0.25	J	0.25	0.25	U
IAAP111672	IAAP111672	691939.08	92675.99	09/23/08	0	2	0.31	0.31	U	0.31	0.31	U	0.31	0.31	U	0.31	0.31	U	0.31	0.31	U	0.31	0.31	U
IAAP111672	IAAP111673	691939.08	92675.99	09/23/08	2	4	0.31	0.31	U	0.31	0.31	U	0.31	0.31	U	0.31	0.31	U	0.49	0.31	=	0.31	0.31	U
IAAP111679	IAAP111679	692014	92397	09/23/08	0	1	0.34	0.34	U	0.34	0.34	U	0.34	0.34	U	0.34	0.34	U	0.34	0.34	U	0.34	0.34	U
IAAP111679	IAAP111680	692014	92397	09/23/08	1	2	0.33	0.33	U	0.33	0.33	U	0.33	0.33	U	0.33	0.33	U	0.33	0.33	U	0.33	0.33	U
IAAP111681	IAAP111681	692018.19	92383.4	09/23/08	0	1	0.33	0.33	U	0.33	0.33	U	0.33	0.33	U	0.33	0.33	U	0.33	0.33	U	0.33	0.33	U
IAAP111681	IAAP111682	692018.19	92383.4	09/23/08	1	2	0.33	0.33	U	0.33	0.33	U	0.33	0.33	U	0.33	0.33	U	0.33	0.33	U	0.33	0.33	U
IAAP111721	IAAP111721	691752.34	92256.02	09/22/08	0	0.5	0.30	0.3	U	0.30	0.3	U	0.30	0.3	U	0.30	0.3	U	0.30	0.3	U	0.30	0.3	U
IAAP111722	IAAP111722	691750.74	92261.62	09/22/08	0	0.5	0.30	0.3	U	0.30	0.3	U	0.30	0.3	U	0.30	0.3	U	0.30	0.3	U	0.30	0.3	U
IAAP130287	IAAP130287	691817.89	92964.9	09/07/10	9.9	10.4	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
IAAP130287	IAAP130288	691817.89	92964.9	09/07/10	11	12	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
IAAP130287	IAAP130289	691817.89	92964.9	09/07/10	12	13	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
IAAP130342	IAAP130342	691691	92737	09/09/10	0	1	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
IAAP130342	IAAP130343	691691	92737	09/09/10	1	2	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
IAAP130342	IAAP130344	691691	92737	09/09/10	2	3	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
IAAP130342	IAAP130345	691691	92737	09/09/10	3	4	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
IAAP130342	IAAP130346	691691	92737	09/09/10	4	5	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.10	0.25	J	0.25	0.25	U
IAAP130342	IAAP130347	691691	92737	09/09/10	5	6	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
IAAP130342	IAAP130348	691691	92737	09/09/10	6	7	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
IAAP130342	IAAP130349	691691	92737	09/09/10	7	8	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
IAAP130342	IAAP130350	691691	92737	09/09/10	8	9	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
IAAP130342	IAAP130351	691691	92737	09/09/10	9	10	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U

Table B-1-1. FUSRAP Post-Excavation Soil Characterization Data Remaining for Explosives at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	1,3,5-TNB			1,3-DNB			2,4,6-TNT			2,4-DNT			HMX			RDX		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							102	---	---	---	---	---	196	---	---	8.7	---	---	51000	---	---	53	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	47.6	---	---	---	---	---	---	---	---	1.3	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^b :							32,000	---	---	82	---	---	9,600	---	---	740	---	---	57,000	---	---	3,800	---	---
<i>Eco CC</i> ^c :							---	---	---	<i>0.31</i>	---	---	<i>3.55</i>	---	---	---	---	---	<i>15.2</i>	---	---	<i>25.6</i>	---	---
IAAP130422	IAAP130430	692016.33	92408.51	09/13/10	8	9															0.25	0.25	UJ	
IAAP130436	IAAP130436	692033.78	92397.78	09/08/10	0	1	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
IAAP130436	IAAP130437	692033.78	92397.78	09/08/10	1	2	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
IAAP130436	IAAP130438	692033.78	92397.78	09/08/10	2	3	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
IAAP130436	IAAP130439	692033.78	92397.78	09/08/10	3	4	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
IAAP130436	IAAP130440	692033.78	92397.78	09/08/10	4	5	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
IAAP130436	IAAP130441	692033.78	92397.78	09/08/10	5	6	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
IAAP130436	IAAP130442	692033.78	92397.78	09/08/10	6	7	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
IAAP130461	IAAP130461	692011.4	92416.21	09/13/10	0	1	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	=	0.70	0.25	J
IAAP130461	IAAP130462	692011.4	92416.21	09/13/10	1	2	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.13	0.25	J	0.25	0.25	UJ
IAAP130461	IAAP130463	692011.4	92416.21	09/13/10	2	3	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.10	0.25	J	0.25	0.25	UJ
IAAP130461	IAAP130464	692011.4	92416.21	09/13/10	3	4	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.12	0.25	J	0.25	0.25	UJ
IAAP130461	IAAP130465	692011.4	92416.21	09/13/10	4	5	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.09	0.25	J	0.25	0.25	UJ
IAAP130461	IAAP130466	692011.4	92416.21	09/13/10	5	6	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.07	0.25	J	0.25	0.25	UJ
IAAP130461	IAAP130467	692011.4	92416.21	09/13/10	6	7	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.05	0.25	J	0.25	0.25	UJ
IAAP130461	IAAP130468	692011.4	92416.21	09/13/10	7	8	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.06	0.25	J	0.25	0.25	UJ
IAAP130461	IAAP130469	692011.4	92416.21	09/13/10	8	9	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.09	0.25	J	0.12	0.25	J
IAAP132548	IAAP132548	691985.39	92461.61	12/07/10	0	1	0.25	0.25	U	0.25	0.25	U	0.09	0.25	J	0.25	0.25	U	0.82	0.25	=	0.14	0.25	J
IAAP132548	IAAP132549	691985.39	92461.61	12/07/10	1	2	0.11	0.25	J	0.25	0.25	U	0.26	0.25	=	0.25	0.25	U	0.62	0.25	=	0.13	0.25	J
IAAP132548	IAAP132550	691985.39	92461.61	12/07/10	2	3	0.12	0.25	J	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.16	0.25	J	0.09	0.25	J
IAAP132548	IAAP132551	691985.39	92461.61	12/07/10	3	4	1.60	0.25	=	0.25	0.25	U	0.14	0.25	J	0.25	0.25	U	0.34	0.25	=	1.00	0.25	=
IAAP132548	IAAP132552	691985.39	92461.61	12/07/10	4	5	2.10	0.25	=	0.25	0.25	U	0.09	0.25	J	0.25	0.25	U	0.41	0.25	=	0.96	0.25	=
IAAP132548	IAAP132553	691985.39	92461.61	12/07/10	5	6	1.10	0.25	=	0.25	0.25	U	0.07	0.25	J	0.25	0.25	U	0.30	0.25	=	0.99	0.25	=
IAAP132554	IAAP132554	692017.39	92419.47	12/08/10	0	1	0.25	0.25	U	0.25	0.25	U	0.04	0.25	J	0.25	0.25	U	0.12	0.25	J	0.11	0.25	J
IAAP132554	IAAP132555	692017.39	92419.47	12/08/10	1	2	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.05	0.25	J	0.25	0.25	U
IAAP132554	IAAP132556	692017.39	92419.47	12/08/10	2	3	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.07	0.25	J	0.25	0.25	U
IAAP132554	IAAP132557	692017.39	92419.47	12/08/10	3	4	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.14	0.25	J	0.25	0.25	U
IAAP132554	IAAP132558	692017.39	92419.47	12/08/10	4	5	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.08	0.25	J	0.25	0.25	U
IAAP132554	IAAP132559	692017.39	92419.47	12/08/10	5	6	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
IAAP132560	IAAP132560	692009.98	92408.8	12/07/10	0	1	0.25	0.25	U	0.25	0.25	U	0.06	0.25	J	0.25	0.25	U	0.46	0.25	=	0.11	0.25	J
IAAP132560	IAAP132561	692009.98	92408.8	12/07/10	1	2	0.25	0.25	U	0.25	0.25	U	0.19	0.25	J	0.25	0.25	U	0.58	0.25	=	0.09	0.25	J
IAAP132560	IAAP132562	692009.98	92408.8	12/07/10	2	3	0.25	0.25	U	0.25	0.25	U	0.22	0.25	J	0.25	0.25	U	0.80	0.25	=	0.08	0.25	J
IAAP132560	IAAP132563	692009.98	92408.8	12/07/10	3	4	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.80	0.25	=	0.08	0.25	J
IAAP132560	IAAP132564	692009.98	92408.8	12/07/10	4	5	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.12	0.25	J	0.25	0.25	U
IAAP132560	IAAP132565	692009.98	92408.8	12/07/10	5	6	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.09	0.25	J	0.25	0.25	U

Table B-1-1. FUSRAP Post-Excavation Soil Characterization Data Remaining for Explosives at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	1,3,5-TNB			1,3-DNB			2,4,6-TNT			2,4-DNT			HMX			RDX		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							102	---	---	---	---	---	196	---	---	8.7	---	---	51000	---	---	53	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	47.6	---	---	---	---	---	---	---	---	1.3	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^b :							32,000	---	---	82	---	---	9,600	---	---	740	---	---	57,000	---	---	3,800	---	---
<i>Eco CC</i> ^c :							---	---	---	<i>0.31</i>	---	---	<i>3.55</i>	---	---	---	---	---	<i>15.2</i>	---	---	<i>25.6</i>	---	---
IAAP132560	IAAP132614	692009.98	92408.8	12/07/10	6.4	6.6	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.24	0.25	J	0.25	0.25	U
IAAP132566	IAAP132566	692020.12	92377.24	12/07/10	0	1	0.25	0.25	U	0.25	0.25	U	0.14	0.25	J	0.25	0.25	U	0.10	0.25	J	0.25	0.25	U
IAAP132566	IAAP132567	692020.12	92377.24	12/07/10	1	2	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.08	0.25	J	0.25	0.25	U
IAAP132566	IAAP132568	692020.12	92377.24	12/07/10	2	3	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.06	0.25	J	0.25	0.25	U
IAAP132566	IAAP132569	692020.12	92377.24	12/07/10	3	4	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.07	0.25	J	0.25	0.25	U
IAAP132566	IAAP132570	692020.12	92377.24	12/07/10	4	5	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
IAAP132566	IAAP132571	692020.12	92377.24	12/07/10	5	6	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	2.10	0.25	=	0.25	0.25	U
IAAP132584	IAAP132584	691993.3	92446.6	12/07/10	0	1	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
IAAP132584	IAAP132585	691993.3	92446.6	12/07/10	1	2	0.25	0.25	U	0.25	0.25	U	0.06	0.25	J	0.25	0.25	U	0.09	0.25	J	0.25	0.25	U
IAAP132584	IAAP132586	691993.3	92446.6	12/07/10	2	3	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.14	0.25	J	0.25	0.25	U
IAAP132584	IAAP132587	691993.3	92446.6	12/07/10	3	4	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.12	0.25	J	0.25	0.25	U
IAAP132584	IAAP132588	691993.3	92446.6	12/07/10	4	5	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	=	0.25	0.25	U
IAAP132584	IAAP132589	691993.3	92446.6	12/07/10	5	6	0.22	0.25	J	0.25	0.25	U	0.23	0.25	J	0.25	0.25	U	0.39	0.25	=	0.12	0.25	J
IAAP132590	IAAP132590	692004.8	92423.59	12/07/10	0	1	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
IAAP132590	IAAP132591	692004.8	92423.59	12/07/10	1	2	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
IAAP132590	IAAP132592	692004.8	92423.59	12/07/10	2	3	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.04	0.25	J	0.25	0.25	U
IAAP132590	IAAP132593	692004.8	92423.59	12/07/10	3	4	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.07	0.25	J	0.25	0.25	U
IAAP132590	IAAP132594	692004.8	92423.59	12/07/10	4	5	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.08	0.25	J	0.25	0.25	U
IAAP132590	IAAP132595	692004.8	92423.59	12/07/10	5	6	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.08	0.25	J	0.25	0.25	U
IAAP132590	IAAP132616	692004.8	92423.59	12/07/10	8.5	8.6	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.10	0.25	J	0.06	0.25	J
IAAP132602	IAAP132602	692021.1	92375.6	12/08/10	0	1	0.25	0.25	U	0.25	0.25	U	0.11	0.25	J	0.25	0.25	U	0.31	0.25	=	0.08	0.25	J
IAAP132602	IAAP132603	692021.1	92375.6	12/08/10	1	2	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
IAAP132602	IAAP132604	692021.1	92375.6	12/08/10	2	3	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
IAAP132602	IAAP132605	692021.1	92375.6	12/08/10	3	4	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.04	0.25	J	0.25	0.25	U
IAAP132602	IAAP132606	692021.1	92375.6	12/08/10	4	5	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.43	0.25	=	0.25	0.25	U
IAAP132602	IAAP132607	692021.1	92375.6	12/08/10	5	6	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.50	0.25	=	0.25	0.25	U
IAAP132602	IAAP132618	692021.1	92375.6	12/08/10	9.5	10	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.29	0.25	=	0.25	0.25	U
IAAP132608	IAAP132608	692034.8	92362.03	12/08/10	0	1	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.12	0.25	J	0.25	0.25	U
IAAP132608	IAAP132609	692034.8	92362.03	12/08/10	1	2	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.21	0.25	J	0.08	0.25	J
IAAP132608	IAAP132610	692034.8	92362.03	12/08/10	2	3	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.28	0.25	=	0.08	0.25	J
IAAP132608	IAAP132611	692034.8	92362.03	12/08/10	3	4	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.43	0.25	=	0.18	0.25	J
IAAP132608	IAAP132612	692034.8	92362.03	12/08/10	4	5	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.45	0.25	=	0.22	0.25	J
IAAP132608	IAAP132613	692034.8	92362.03	12/08/10	5	6	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.36	0.25	=	0.31	0.25	=
IAAP133133	IAAP133133	691985.5	92460.74	12/08/10	0	1	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.30	0.25	=	0.08	0.25	J
IAAP133133	IAAP133134	691985.5	92460.74	12/08/10	1	2	0.25	0.25	U	0.25	0.25	U	0.50	0.25	=	0.25	0.25	U	0.17	0.25	J	0.13	0.25	J

Table B-1-1. FUSRAP Post-Excavation Soil Characterization Data Remaining for Explosives at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	1,3,5-TNB			1,3-DNB			2,4,6-TNT			2,4-DNT			HMX			RDX		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							102	---	---	---	---	---	196	---	---	8.7	---	---	51000	---	---	53	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	47.6	---	---	---	---	---	---	---	---	1.3	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^b :							32,000	---	---	82	---	---	9,600	---	---	740	---	---	57,000	---	---	3,800	---	---
<i>Eco CC</i> ^c :							---	---	---	<i>0.31</i>	---	---	<i>3.55</i>	---	---	---	---	---	<i>15.2</i>	---	---	<i>25.6</i>	---	---
IAAP133133	IAAP133135	691985.5	92460.74	12/08/10	2	3	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.05	0.25	J	0.25	0.25	U
IAAP135624	IAAP135624	691980.88	92492.22	04/12/11	0	1	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
IAAP135624	IAAP135625	691980.88	92492.22	04/12/11	1	2	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
IAAP135624	IAAP135626	691980.88	92492.22	04/12/11	2	3	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	2.60	0.25	=	0.25	0.25	U
IAAP135624	IAAP135627	691980.88	92492.22	04/12/11	3	4	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	3.80	0.25	=	0.25	0.25	U
IAAP135624	IAAP135628	691980.88	92492.22	04/12/11	4	5	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.26	0.25	=	0.25	0.25	U
IAAP135624	IAAP135629	691980.88	92492.22	04/12/11	5	6	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.22	0.25	J	0.25	0.25	U
IAAP135630	IAAP135630	691983.2	92499.09	04/12/11	0	1	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.14	0.25	J	0.25	0.25	U
IAAP135630	IAAP135631	691983.2	92499.09	04/12/11	1	2	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
IAAP135630	IAAP135632	691983.2	92499.09	04/12/11	2	3	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
IAAP135630	IAAP135633	691983.2	92499.09	04/12/11	3	4	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
IAAP135630	IAAP135634	691983.2	92499.09	04/12/11	4	5	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.06	0.25	J	0.25	0.25	U
IAAP135630	IAAP135635	691983.2	92499.09	04/12/11	5	6	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
IAAP135630	IAAP135798	691983.2	92499.09	04/12/11	3.5	4	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
IAAP135642	IAAP135642	691979	92523.18	04/12/11	0	1	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.32	0.25	=	0.25	0.25	U
IAAP135642	IAAP135643	691979	92523.18	04/12/11	1	2	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.09	0.25	J	0.25	0.25	U
IAAP135642	IAAP135644	691979	92523.18	04/12/11	2	3	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.15	0.25	J	0.08	0.25	J
IAAP135642	IAAP135645	691979	92523.18	04/12/11	3	4	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.14	0.25	J	0.10	0.25	J
IAAP135642	IAAP135646	691979	92523.18	04/12/11	4	5	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.20	0.25	J	0.25	0.25	U
IAAP135642	IAAP135647	691979	92523.18	04/12/11	5	6	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.23	0.25	J	0.25	0.25	U
IAAP135648	IAAP135648	691977.06	92526.48	04/12/11	0	1	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
IAAP135648	IAAP135649	691977.06	92526.48	04/12/11	1	2	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
IAAP135648	IAAP135650	691977.06	92526.48	04/12/11	2	3	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
IAAP135648	IAAP135651	691977.06	92526.48	04/12/11	3	4	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
IAAP135648	IAAP135652	691977.06	92526.48	04/12/11	4	5	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.11	0.25	J	0.10	0.25	J
IAAP135648	IAAP135653	691977.06	92526.48	04/12/11	5	6	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.30	0.25	=	0.20	0.25	J
IAAP135672	IAAP135672	691966.97	92559.46	04/13/11	0	1	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.05	0.25	J	0.25	0.25	U
IAAP135672	IAAP135673	691966.97	92559.46	04/13/11	1	2	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
IAAP135672	IAAP135674	691966.97	92559.46	04/13/11	2	3	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
IAAP135672	IAAP135675	691966.97	92559.46	04/13/11	3	4	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
IAAP135672	IAAP135676	691966.97	92559.46	04/13/11	4	5	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
IAAP135672	IAAP135677	691966.97	92559.46	04/13/11	5	6	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
IAAP135678	IAAP135678	691962.25	92572.14	04/13/11	0	1	0.25	0.25	U	0.25	0.25	U	0.38	0.25	=	0.25	0.25	U	0.10	0.25	J	0.25	0.25	U
IAAP135678	IAAP135679	691962.25	92572.14	04/13/11	1	2	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.13	0.25	J	0.25	0.25	U
IAAP135678	IAAP135680	691962.25	92572.14	04/13/11	2	3	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.10	0.25	J	0.25	0.25	U

Table B-1-1. FUSRAP Post-Excavation Soil Characterization Data Remaining for Explosives at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	1,3,5-TNB			1,3-DNB			2,4,6-TNT			2,4-DNT			HMX			RDX		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							102	---	---	---	---	---	196	---	---	8.7	---	---	51000	---	---	53	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	47.6	---	---	---	---	---	---	---	---	1.3	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^b :							32,000	---	---	82	---	---	9,600	---	---	740	---	---	57,000	---	---	3,800	---	---
<i>Eco CC</i> ^c :							---	---	---	<i>0.31</i>	---	---	<i>3.55</i>	---	---	---	---	---	<i>15.2</i>	---	---	<i>25.6</i>	---	---
IAAP135678	IAAP135681	691962.25	92572.14	04/13/11	3	4	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
IAAP135678	IAAP135682	691962.25	92572.14	04/13/11	4	5	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
IAAP135678	IAAP135683	691962.25	92572.14	04/13/11	5	6	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
IAAP135684	IAAP135684	691961.6	92575.74	04/13/11	0	1	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
IAAP135684	IAAP135685	691961.6	92575.74	04/13/11	1	2	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.14	0.25	J	0.25	0.25	U
IAAP135684	IAAP135686	691961.6	92575.74	04/13/11	2	3	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.09	0.25	J	0.25	0.25	U
IAAP135684	IAAP135687	691961.6	92575.74	04/13/11	3	4	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.12	0.25	J	0.25	0.25	U
IAAP135684	IAAP135688	691961.6	92575.74	04/13/11	4	5	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
IAAP135684	IAAP135689	691961.6	92575.74	04/13/11	5	6	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
IAAP135690	IAAP135690	691957.18	92589.23	04/13/11	0	1	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	37.00	0.25	=	0.25	0.25	U
IAAP135690	IAAP135691	691957.18	92589.23	04/13/11	1	2	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	1.70	0.25	=	0.25	0.25	U
IAAP135690	IAAP135692	691957.18	92589.23	04/13/11	2	3	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.91	0.25	=	0.25	0.25	U
IAAP135690	IAAP135693	691957.18	92589.23	04/13/11	3	4	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
IAAP135690	IAAP135694	691957.18	92589.23	04/13/11	4	5	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
IAAP135690	IAAP135695	691957.18	92589.23	04/13/11	5	6	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.08	0.25	J	0.25	0.25	U
IAAP135696	IAAP135696	691953.6	92600.02	04/13/11	0	1	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.12	0.25	J	0.25	0.25	U
IAAP135696	IAAP135697	691953.6	92600.02	04/13/11	1	2	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
IAAP135696	IAAP135698	691953.6	92600.02	04/13/11	2	3	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
IAAP135696	IAAP135699	691953.6	92600.02	04/13/11	3	4	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
IAAP135696	IAAP135700	691953.6	92600.02	04/13/11	4	5	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
IAAP135696	IAAP135701	691953.6	92600.02	04/13/11	5	6	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
IAAP135702	IAAP135702	691943.2	92622.73	04/13/11	0	1	0.25	0.25	U	0.25	0.25	UJ	0.25	0.25	U	0.25	0.25	UJ	0.25	0.25	UJ	0.25	0.25	U
IAAP135702	IAAP135703	691943.2	92622.73	04/13/11	1	2	0.25	0.25	U	0.25	0.25	UJ	0.25	0.25	U	0.25	0.25	UJ	0.25	0.25	UJ	0.25	0.25	U
IAAP135702	IAAP135704	691943.2	92622.73	04/13/11	2	3	0.25	0.25	U	0.25	0.25	UJ	0.25	0.25	U	0.25	0.25	UJ	0.25	0.25	UJ	0.25	0.25	U
IAAP135702	IAAP135705	691943.2	92622.73	04/13/11	3	4	0.25	0.25	U	0.25	0.25	UJ	0.25	0.25	U	0.25	0.25	UJ	0.25	0.25	UJ	0.25	0.25	U
IAAP135702	IAAP135706	691943.2	92622.73	04/13/11	4	5	0.25	0.25	U	0.25	0.25	UJ	0.25	0.25	U	0.25	0.25	UJ	0.25	0.25	UJ	0.25	0.25	U
IAAP135702	IAAP135707	691943.2	92622.73	04/13/11	5	6	0.25	0.25	U	0.25	0.25	UJ	0.25	0.25	U	0.25	0.25	UJ	0.25	0.25	UJ	0.25	0.25	U
IAAP135708	IAAP135708	691942.51	92624.81	04/13/11	0	1	0.25	0.25	U	0.25	0.25	UJ	0.25	0.25	U	0.25	0.25	UJ	0.25	0.25	UJ	0.25	0.25	U
IAAP135708	IAAP135709	691942.51	92624.81	04/13/11	1	2	0.25	0.25	U	0.25	0.25	UJ	0.25	0.25	U	0.25	0.25	UJ	0.25	0.25	UJ	0.25	0.25	U
IAAP135708	IAAP135710	691942.51	92624.81	04/13/11	2	3	0.25	0.25	U	0.25	0.25	UJ	0.25	0.25	U	0.25	0.25	UJ	0.06	0.25	J	0.25	0.25	U
IAAP135708	IAAP135711	691942.51	92624.81	04/13/11	3	4	0.25	0.25	U	0.25	0.25	UJ	0.25	0.25	U	0.25	0.25	UJ	0.25	0.25	UJ	0.25	0.25	U
IAAP135708	IAAP135712	691942.51	92624.81	04/13/11	4	5	0.25	0.25	U	0.25	0.25	UJ	0.25	0.25	U	0.25	0.25	UJ	0.25	0.25	UJ	0.25	0.25	U
IAAP135708	IAAP135713	691942.51	92624.81	04/13/11	5	6	0.25	0.25	U	0.25	0.25	UJ	0.25	0.25	U	0.25	0.25	UJ	0.25	0.25	UJ	0.25	0.25	U
IAAP135714	IAAP135714	691941.17	92628.8	04/13/11	0	1	0.25	0.25	U	0.25	0.25	UJ	0.25	0.25	U	0.25	0.25	UJ	0.06	0.25	J	0.25	0.25	U
IAAP135714	IAAP135715	691941.17	92628.8	04/13/11	1	2	0.25	0.25	U	0.25	0.25	UJ	0.25	0.25	U	0.25	0.25	UJ	0.30	0.25	J	0.25	0.25	U

Table B-1-1. FUSRAP Post-Excavation Soil Characterization Data Remaining for Explosives at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	1,3,5-TNB			1,3-DNB			2,4,6-TNT			2,4-DNT			HMX			RDX		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							102	---	---	---	---	---	196	---	---	8.7	---	---	51000	---	---	53	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	47.6	---	---	---	---	---	---	---	---	1.3	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^b :							32,000	---	---	82	---	---	9,600	---	---	740	---	---	57,000	---	---	3,800	---	---
<i>Eco CC^c</i> :							---	---	---	<i>0.31</i>	---	---	<i>3.55</i>	---	---	---	---	---	<i>15.2</i>	---	---	<i>25.6</i>	---	---
IAAP135714	IAAP135716	691941.17	92628.8	04/13/11	2	3	0.25	0.25	U	0.25	0.25	UJ	0.25	0.25	U	0.25	0.25	UJ	0.34	0.25	J	0.25	0.25	U
IAAP135714	IAAP135717	691941.17	92628.8	04/13/11	3	4	0.25	0.25	U	0.25	0.25	UJ	0.25	0.25	U	0.25	0.25	UJ	0.47	0.25	J	0.25	0.25	U
IAAP135714	IAAP135718	691941.17	92628.8	04/13/11	4	5	0.25	0.25	U	0.25	0.25	UJ	0.25	0.25	U	0.25	0.25	UJ	0.12	0.25	J	0.25	0.25	U
IAAP135714	IAAP135719	691941.17	92628.8	04/13/11	5	6	0.25	0.25	U	0.25	0.25	UJ	0.25	0.25	U	0.25	0.25	UJ	0.16	0.25	J	0.25	0.25	U
IAAP135720	IAAP135720	691939.44	92633.99	04/13/11	0	1	0.25	0.25	U	0.25	0.25	UJ	0.25	0.25	U	0.25	0.25	UJ	0.63	0.25	J	0.25	0.25	U
IAAP135720	IAAP135721	691939.44	92633.99	04/13/11	1	2	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.67	0.25	=	0.25	0.25	U
IAAP135720	IAAP135722	691939.44	92633.99	04/13/11	2	3	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.70	0.25	=	0.25	0.25	U
IAAP135720	IAAP135723	691939.44	92633.99	04/13/11	3	4	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.99	0.25	=	0.25	0.25	U
IAAP135720	IAAP135724	691939.44	92633.99	04/13/11	4	5	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.66	0.25	=	0.25	0.25	U
IAAP135720	IAAP135725	691939.44	92633.99	04/13/11	5	6	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.47	0.25	=	0.25	0.25	U
IAAP135726	IAAP135726	691938.97	92635.4	04/13/11	0	1	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.26	0.25	=	0.25	0.25	U
IAAP135726	IAAP135727	691938.97	92635.4	04/13/11	1	2	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.78	0.25	=	0.25	0.25	U
IAAP135726	IAAP135728	691938.97	92635.4	04/13/11	2	3	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.68	0.25	=	0.25	0.25	U
IAAP135726	IAAP135729	691938.97	92635.4	04/13/11	3	4	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.36	0.25	=	0.25	0.25	U
IAAP135726	IAAP135730	691938.97	92635.4	04/13/11	4	5	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.41	0.25	=	0.25	0.25	U
IAAP135726	IAAP135731	691938.97	92635.4	04/13/11	5	6	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.10	0.25	=	0.25	0.25	U
IAAP135732	IAAP135732	691935	92647.27	04/13/11	0	1	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
IAAP135732	IAAP135733	691935	92647.27	04/13/11	1	2	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.11	0.25	=	0.25	0.25	U
IAAP135732	IAAP135734	691935	92647.27	04/13/11	2	3	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.07	0.25	=	0.25	0.25	U
IAAP135732	IAAP135735	691935	92647.27	04/13/11	3	4	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.35	0.25	=	0.25	0.25	U
IAAP135732	IAAP135736	691935	92647.27	04/13/11	4	5	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.54	0.25	=	0.25	0.25	U
IAAP135732	IAAP135737	691935	92647.27	04/13/11	5	6	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.39	0.25	=	0.25	0.25	U
IAAP135738	IAAP135738	691931.22	92658.59	04/14/11	0	1	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	<i>19.00</i>	0.25	=	0.08	0.25	J
IAAP135738	IAAP135739	691931.22	92658.59	04/14/11	1	2	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	4.00	0.25	=	0.25	0.25	U
IAAP135738	IAAP135740	691931.22	92658.59	04/14/11	2	3	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.54	0.25	=	0.25	0.25	U
IAAP135738	IAAP135741	691931.22	92658.59	04/14/11	3	4	0.25	0.25	U	0.25	0.25	U	0.25	0.25	J	0.25	0.25	U	5.60	0.25	=	0.16	0.25	J
IAAP135738	IAAP135742	691931.22	92658.59	04/14/11	4	5	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.97	0.25	=	0.25	0.25	U
IAAP135738	IAAP135743	691931.22	92658.59	04/14/11	5	6	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.74	0.25	=	0.25	0.25	U
IAAP135744	IAAP135744	691926.8	92671.89	04/14/11	0	1	0.25	0.25	U	0.25	0.25	U	0.05	0.25	J	0.25	0.25	U	0.23	0.25	J	0.25	0.25	U
IAAP135744	IAAP135745	691926.8	92671.89	04/14/11	1	2	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.78	0.25	=	0.25	0.25	U
IAAP135744	IAAP135746	691926.8	92671.89	04/14/11	2	3	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	1.20	0.25	=	0.14	0.25	J
IAAP135744	IAAP135747	691926.8	92671.89	04/14/11	3	4	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	1.20	0.25	=	0.27	0.25	=
IAAP135744	IAAP135748	691926.8	92671.89	04/14/11	4	5	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.89	0.25	=	0.19	0.25	J
IAAP135744	IAAP135749	691926.8	92671.89	04/14/11	5	6	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.73	0.25	=	0.17	0.25	J
IAAP135750	IAAP135750	691925.92	92674.48	04/14/11	0	1	0.06	0.25	J	0.25	0.25	U	0.42	0.25	=	0.25	0.25	U	0.46	0.25	=	0.25	0.25	U

Table B-1-1. FUSRAP Post-Excavation Soil Characterization Data Remaining for Explosives at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	1,3,5-TNB			1,3-DNB			2,4,6-TNT			2,4-DNT			HMX			RDX		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							102	---	---	---	---	---	196	---	---	8.7	---	---	51000	---	---	53	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	47.6	---	---	---	---	---	---	---	---	1.3	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^b :							32,000	---	---	82	---	---	9,600	---	---	740	---	---	57,000	---	---	3,800	---	---
<i>Eco CC^c</i> :							---	---	---	<i>0.31</i>	---	---	<i>3.55</i>	---	---	---	---	---	<i>15.2</i>	---	---	<i>25.6</i>	---	---
IAAP135750	IAAP135751	691925.92	92674.48	04/14/11	1	2	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.31	0.25	=	0.25	0.25	U
IAAP135750	IAAP135752	691925.92	92674.48	04/14/11	2	3	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.13	0.25	J	0.25	0.25	U
IAAP135750	IAAP135753	691925.92	92674.48	04/14/11	3	4	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
IAAP135750	IAAP135754	691925.92	92674.48	04/14/11	4	5	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
IAAP135750	IAAP135755	691925.92	92674.48	04/14/11	5	6	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
IAAP135756	IAAP135756	691923.6	92681.41	04/14/11	0	1	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
IAAP135756	IAAP135757	691923.6	92681.41	04/14/11	1	2	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.08	0.25	J	0.25	0.25	U
IAAP135756	IAAP135758	691923.6	92681.41	04/14/11	2	3	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.04	0.25	J	0.25	0.25	U
IAAP135756	IAAP135759	691923.6	92681.41	04/14/11	3	4	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.10	0.25	J	0.25	0.25	U
IAAP135756	IAAP135760	691923.6	92681.41	04/14/11	4	5	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.09	0.25	J	0.25	0.25	U
IAAP135756	IAAP135761	691923.6	92681.41	04/14/11	5	6	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.12	0.25	J	0.25	0.25	U
IAAP135762	IAAP135762	691918.6	92696.36	04/14/11	0	1	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
IAAP135762	IAAP135763	691918.6	92696.36	04/14/11	1	2	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
IAAP135762	IAAP135764	691918.6	92696.36	04/14/11	2	3	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
IAAP135762	IAAP135765	691918.6	92696.36	04/14/11	3	4	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
IAAP135762	IAAP135766	691918.6	92696.36	04/14/11	4	5	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
IAAP135762	IAAP135767	691918.6	92696.36	04/14/11	5	6	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
IAAP135768	IAAP135768	691912.95	92713.28	04/14/11	0	1	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
IAAP135768	IAAP135769	691912.95	92713.28	04/14/11	1	2	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
IAAP135768	IAAP135770	691912.95	92713.28	04/14/11	2	3	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
IAAP135768	IAAP135771	691912.95	92713.28	04/14/11	3	4	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
IAAP135768	IAAP135772	691912.95	92713.28	04/14/11	4	5	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
IAAP135768	IAAP135773	691912.95	92713.28	04/14/11	5	6	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
IAAP135774	IAAP135774	691910.4	92720.78	04/14/11	0	1	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
IAAP135774	IAAP135775	691910.4	92720.78	04/14/11	1	2	0.25	0.25	U	0.25	0.25	U	0.19	0.25	J	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
IAAP135774	IAAP135776	691910.4	92720.78	04/14/11	2	3	0.25	0.25	U	0.25	0.25	U	0.26	0.25	=	0.25	0.25	U	0.15	0.25	J	0.10	0.25	J
IAAP135774	IAAP135777	691910.4	92720.78	04/14/11	3	4	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.08	0.25	J	0.25	0.25	U
IAAP135774	IAAP135778	691910.4	92720.78	04/14/11	4	5	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
IAAP135774	IAAP135779	691910.4	92720.78	04/14/11	5	6	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
IAAP135774	IAAP135801	691910.4	92720.78	04/14/11	8.5	8.9	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.07	0.25	J	0.25	0.25	U
IAAP135780	IAAP135780	691914.76	92728.82	04/14/11	0	1	0.25	0.25	U	0.25	0.25	U	0.09	0.25	J	0.25	0.25	U	0.67	0.25	=	0.13	0.25	J
IAAP135780	IAAP135781	691914.76	92728.82	04/14/11	1	2	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.46	0.25	=	0.25	0.25	U
IAAP135780	IAAP135782	691914.76	92728.82	04/14/11	2	3	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.47	0.25	=	0.25	0.25	U
IAAP135780	IAAP135783	691914.76	92728.82	04/14/11	3	4	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.60	0.25	=	0.25	0.25	U
IAAP135780	IAAP135784	691914.76	92728.82	04/14/11	4	5	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.43	0.25	=	0.25	0.25	U

Table B-1-1. FUSRAP Post-Excavation Soil Characterization Data Remaining for Explosives at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	1,3,5-TNB			1,3-DNB			2,4,6-TNT			2,4-DNT			HMX			RDX		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							102	---	---	---	---	---	196	---	---	8.7	---	---	51000	---	---	53	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	47.6	---	---	---	---	---	---	---	---	1.3	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^b :							32,000	---	---	82	---	---	9,600	---	---	740	---	---	57,000	---	---	3,800	---	---
<i>Eco CC</i> ^c :							---	---	---	<i>0.31</i>	---	---	<i>3.55</i>	---	---	---	---	---	<i>15.2</i>	---	---	<i>25.6</i>	---	---
IAAP135780	IAAP135785	691914.76	92728.82	04/14/11	5	6	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.16	0.25	J	0.25	0.25	U
IAAP135786	IAAP135786	691924.4	92732.09	04/14/11	0	1	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
IAAP135786	IAAP135787	691924.4	92732.09	04/14/11	1	2	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
IAAP135786	IAAP135788	691924.4	92732.09	04/14/11	2	3	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
IAAP135786	IAAP135789	691924.4	92732.09	04/14/11	3	4	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
IAAP135786	IAAP135790	691924.4	92732.09	04/14/11	4	5	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
IAAP136603	IAAP136603	691990.48	93027.37	05/04/11	0	1	0.05	0.25	J	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
IAAP136603	IAAP136604	691990.48	93027.37	05/04/11	1	2	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
IAAP136603	IAAP136607	691990.48	93027.37	05/04/11	4	5	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.66	0.25	=	0.25	0.25	U
IAAP136603	IAAP136608	691990.48	93027.37	05/04/11	5	6	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	1.10	0.25	=	0.25	0.25	U
IAAP136615	IAAP136615	692002.23	92440.11	05/04/11	0	1	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
IAAP136615	IAAP136616	692002.23	92440.11	05/04/11	1	2	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
IAAP136615	IAAP136617	692002.23	92440.11	05/04/11	2	3	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
IAAP136615	IAAP136618	692002.23	92440.11	05/04/11	3	4	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
IAAP136615	IAAP136619	692002.23	92440.11	05/04/11	4	5	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
IAAP136615	IAAP136620	692002.23	92440.11	05/04/11	5	6	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
IAAP136621	IAAP136621	692000.16	92433.35	05/03/11	0	1	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	3.20	0.25	=	0.25	0.25	U
IAAP136621	IAAP136622	692000.16	92433.35	05/03/11	1	2	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.05	0.25	J	0.25	0.25	U
IAAP136621	IAAP136623	692000.16	92433.35	05/03/11	2	3	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
IAAP136621	IAAP136626	692000.16	92433.35	05/03/11	5	6	0.08	0.25	J	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.07	0.25	J	0.25	0.25	U
IAAP136627	IAAP136627	691984.57	92430.72	05/04/11	0	1	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.19	0.25	J	0.25	0.25	U
IAAP136627	IAAP136628	691984.57	92430.72	05/04/11	1	2	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.24	0.25	J	0.25	0.25	U
IAAP136627	IAAP136629	691984.57	92430.72	05/04/11	2	3	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.24	0.25	J	0.25	0.25	U
IAAP136627	IAAP136630	691984.57	92430.72	05/04/11	3	4	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.29	0.25	=	0.25	0.25	U
IAAP136627	IAAP136631	691984.57	92430.72	05/04/11	4	5	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.28	0.25	=	0.09	0.25	J
IAAP136627	IAAP136632	691984.57	92430.72	05/04/11	5	6	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.17	0.25	J	0.31	0.25	=
IAAP136633	IAAP136633	692028.24	92370.53	05/04/11	0	1	0.25	0.25	U	0.25	0.25	U	0.58	0.25	=	0.25	0.25	U	12.00	0.25	=	22.00	0.25	=
IAAP136633	IAAP136634	692028.24	92370.53	05/04/11	1	2	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	3.20	0.25	=	12.00	0.25	=
IAAP136633	IAAP136635	692028.24	92370.53	05/04/11	2	3	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.78	0.25	=	1.40	0.25	=
IAAP136633	IAAP136636	692028.24	92370.53	05/04/11	3	4	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.71	0.25	=	1.90	0.25	=
IAAP136633	IAAP136637	692028.24	92370.53	05/04/11	4	5	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.32	0.25	=	2.70	0.25	=
IAAP136633	IAAP136638	692028.24	92370.53	05/04/11	5	6	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.17	0.25	J	0.57	0.25	=
IAAP136639	IAAP136639	692028.32	92354.72	05/04/11	0	1	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.10	0.25	J	0.25	0.25	U
IAAP136639	IAAP136640	692028.32	92354.72	05/04/11	1	2	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.30	0.25	=	0.25	0.25	U
IAAP136639	IAAP136641	692028.32	92354.72	05/04/11	2	3	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.33	0.25	=	0.25	0.25	U

Table B-1-1. FUSRAP Post-Excavation Soil Characterization Data Remaining for Explosives at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	1,3,5-TNB			1,3-DNB			2,4,6-TNT			2,4-DNT			HMX			RDX		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							102	---	---	---	---	---	196	---	---	8.7	---	---	51000	---	---	53	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	47.6	---	---	---	---	---	---	---	1.3	---	---	
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^b :							32,000	---	---	82	---	---	9,600	---	---	740	---	---	57,000	---	---	3,800	---	---
<i>Eco CC^c</i> :							---	---	---	<i>0.31</i>	---	---	<i>3.55</i>	---	---	---	---	---	<i>15.2</i>	---	---	<i>25.6</i>	---	---
IAAP136639	IAAP136642	692028.32	92354.72	05/04/11	3	4	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.27	0.25	=	0.16	0.25	J
IAAP136639	IAAP136643	692028.32	92354.72	05/04/11	4	5	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.26	0.25	=	0.25	0.25	U
IAAP136639	IAAP136644	692028.32	92354.72	05/04/11	5	6	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
IAAP136654	IAAP136654	691990.21	92473.36	05/02/11	5	6	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
IAAP136656	IAAP136656	691972.56	92463.97	05/03/11	5	6	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.39	0.25	=	0.25	0.25	U
IAAP136658	IAAP136658	692002.51	92428.93	05/04/11	0	1	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.11	0.25	J	0.25	0.25	U
IAAP136663	IAAP136663	692014.03	92365.71	05/03/11	5	6	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
IAAP136664	IAAP136664	692018.77	92367.32	05/04/11	0	1	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.09	0.25	J	0.25	0.25	U
IAAP136664	IAAP136665	692018.77	92367.32	05/04/11	1	2	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.09	0.25	J	0.25	0.25	U
IAAP136664	IAAP136666	692018.77	92367.32	05/04/11	2	3	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.14	0.25	J	0.10	0.25	J
IAAP136664	IAAP136667	692018.77	92367.32	05/04/11	3	4	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.23	0.25	J	0.16	0.25	J
IAAP136664	IAAP136668	692018.77	92367.32	05/04/11	4	5	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.19	0.25	J	0.18	0.25	J
IAAP136664	IAAP136669	692018.77	92367.32	05/04/11	5	6	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.18	0.25	J	0.78	0.25	=
IAAP136670	IAAP136670	692034.54	92374.38	05/03/11	0	1	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
IAAP136670	IAAP136671	692034.54	92374.38	05/03/11	1	2	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.08	0.25	J
IAAP136670	IAAP136672	692034.54	92374.38	05/03/11	2	3	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
IAAP136670	IAAP136673	692034.54	92374.38	05/03/11	3	4	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
IAAP136670	IAAP136674	692034.54	92374.38	05/03/11	4	5	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
IAAP136670	IAAP136675	692034.54	92374.38	05/03/11	5	6	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
IAAP136676	IAAP136676	691938	92733.88	05/16/11	0	1	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
IAAP136677	IAAP136677	691930.96	92723.63	05/16/11	0	1	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
IAAP136678	IAAP136678	691973.09	92556.21	05/18/11	5	6	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
IAAP136679	IAAP136679	691958.86	92551.46	05/17/11	0	1	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
IAAP136681	IAAP136681	691961.63	92544.56	05/17/11	2	3	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
IAAP136682	IAAP136682	691989.82	92522.98	05/17/11	0.5	1.5	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.36	0.25	=
IAAP136683	IAAP136683	691981.92	92515.07	05/18/11	0	1	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	62.00	0.25	=	0.23	0.25	J
IAAP136683	IAAP136684	691981.92	92515.07	05/18/11	4	5	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	1.50	0.25	=	0.25	0.25	U
IAAP136685	IAAP136685	691970.85	92516.65	05/17/11	0	1	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
IAAP136686	IAAP136686	691983.5	92510.33	05/17/11	0	1	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.18	0.25	J	0.25	0.25	U
IAAP136686	IAAP136687	691983.5	92510.33	05/17/11	1	2	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
IAAP136686	IAAP136688	691983.5	92510.33	05/17/11	2	3	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.09	0.25	J	0.25	0.25	U
IAAP136686	IAAP136689	691983.5	92510.33	05/17/11	3	4	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.05	0.25	J	0.25	0.25	U
IAAP136686	IAAP136690	691983.5	92510.33	05/17/11	4	5	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.04	0.25	J	0.25	0.25	U
IAAP136686	IAAP136691	691983.5	92510.33	05/17/11	5	6	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.04	0.25	J	0.25	0.25	U
IAAP136775	IAAP136775	691933.21	92732.44	05/18/11	0	1	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.11	0.25	J

Table B-1-1. FUSRAP Post-Excavation Soil Characterization Data Remaining for Explosives at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	1,3,5-TNB			1,3-DNB			2,4,6-TNT			2,4-DNT			HMX			RDX		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							102	---	---	---	---	---	196	---	---	8.7	---	---	51000	---	---	53	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	47.6	---	---	---	---	---	---	---	---	1.3	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^b :							32,000	---	---	82	---	---	9,600	---	---	740	---	---	57,000	---	---	3,800	---	---
<i>Eco CC</i> ^c :							---	---	---	<i>0.31</i>	---	---	<i>3.55</i>	---	---	---	---	---	<i>15.2</i>	---	---	<i>25.6</i>	---	---
IAAP136775	IAAP136776	691933.21	92732.44	05/18/11	1	2	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	UJ
IAAP136775	IAAP136777	691933.21	92732.44	05/18/11	2	3	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	UJ
IAAP136775	IAAP136778	691933.21	92732.44	05/18/11	3	4	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.07	0.25	J
IAAP136775	IAAP136779	691933.21	92732.44	05/18/11	4	5	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	UJ
IAAP136775	IAAP136780	691933.21	92732.44	05/18/11	5	6	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	UJ
IAAP136781	IAAP136781	691929.35	92728.37	05/18/11	0	1	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	UJ
IAAP136781	IAAP136782	691929.35	92728.37	05/18/11	1	2	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	UJ
IAAP136781	IAAP136783	691929.35	92728.37	05/18/11	2	3	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	UJ
IAAP136781	IAAP136784	691929.35	92728.37	05/18/11	3	4	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	UJ
IAAP136781	IAAP136785	691929.35	92728.37	05/18/11	4	5	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	UJ
IAAP136781	IAAP136786	691929.35	92728.37	05/18/11	5	6	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	UJ
IAAP136787	IAAP136787	691976.83	92560.81	05/17/11	0	1	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	UJ
IAAP136787	IAAP136788	691976.83	92560.81	05/17/11	1	2	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	UJ
IAAP136787	IAAP136789	691976.83	92560.81	05/17/11	2	3	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	UJ
IAAP136787	IAAP136790	691976.83	92560.81	05/17/11	3	4	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	UJ
IAAP136787	IAAP136791	691976.83	92560.81	05/17/11	4	5	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	UJ
IAAP136787	IAAP136792	691976.83	92560.81	05/17/11	5	6	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	UJ
IAAP136793	IAAP136793	691963.6	92553.05	05/18/11	0	1	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	UJ
IAAP136793	IAAP136794	691963.6	92553.05	05/18/11	1	2	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.07	0.25	J	0.25	0.25	U
IAAP136793	IAAP136795	691963.6	92553.05	05/18/11	2	3	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
IAAP136793	IAAP136796	691963.6	92553.05	05/18/11	3	4	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
IAAP136793	IAAP136797	691963.6	92553.05	05/18/11	4	5	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
IAAP136793	IAAP136798	691963.6	92553.05	05/18/11	5	6	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
IAAP136799	IAAP136799	691985.08	92553.02	05/17/11	0	1	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.12	0.25	J	0.25	0.25	U
IAAP136799	IAAP136800	691985.08	92553.02	05/17/11	1	2	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.28	0.25	=	0.25	0.25	U
IAAP136799	IAAP136801	691985.08	92553.02	05/17/11	2	3	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.24	0.25	J	0.25	0.25	U
IAAP136799	IAAP136802	691985.08	92553.02	05/17/11	3	4	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.07	0.25	J	0.25	0.25	U
IAAP136799	IAAP136803	691985.08	92553.02	05/17/11	4	5	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.06	0.25	J	0.10	0.25	J
IAAP136799	IAAP136804	691985.08	92553.02	05/17/11	5	6	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
IAAP136805	IAAP136805	691974.27	92538.23	05/17/11	0	1	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.28	0.25	=	0.25	0.25	U
IAAP136805	IAAP136806	691974.27	92538.23	05/17/11	1	2	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
IAAP136805	IAAP136807	691974.27	92538.23	05/17/11	2	3	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
IAAP136805	IAAP136808	691974.27	92538.23	05/17/11	3	4	0.25	0.25	U	0.25	0.25	U	0.55	0.25	J	0.25	0.25	U	0.09	0.25	J	0.07	0.25	J
IAAP136805	IAAP136809	691974.27	92538.23	05/17/11	4	5	0.25	0.25	U	0.25	0.25	U	0.13	0.25	J	0.25	0.25	U	0.63	0.25	=	0.38	0.25	=
IAAP136805	IAAP136810	691974.27	92538.23	05/17/11	5	6	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U

Table B-1-1. FUSRAP Post-Excavation Soil Characterization Data Remaining for Explosives at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	1,3,5-TNB			1,3-DNB			2,4,6-TNT			2,4-DNT			HMX			RDX		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							102	---	---	---	---	---	196	---	---	8.7	---	---	51000	---	---	53	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	47.6	---	---	---	---	---	---	---	1.3	---	---	
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^b :							32,000	---	---	82	---	---	9,600	---	---	740	---	---	57,000	---	---	3,800	---	---
<i>Eco CC</i> ^c :							---	---	---	<i>0.31</i>	---	---	<i>3.55</i>	---	---	---	---	---	<i>15.2</i>	---	---	<i>25.6</i>	---	---
IAAP136811	IAAP136811	691970.78	92548.09	05/17/11	0	1	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.21	0.25	J	0.16	0.25	J
IAAP136811	IAAP136812	691970.78	92548.09	05/17/11	1	2	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.19	0.25	J	0.14	0.25	J
IAAP136811	IAAP136813	691970.78	92548.09	05/17/11	2	3	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.30	0.25	=	0.20	0.25	J
IAAP136811	IAAP136814	691970.78	92548.09	05/17/11	3	4	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.22	0.25	J	0.25	0.25	U
IAAP136811	IAAP136815	691970.78	92548.09	05/17/11	4	5	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.13	0.25	J	0.25	0.25	U
IAAP136811	IAAP136816	691970.78	92548.09	05/17/11	5	6	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.09	0.25	J	0.25	0.25	U
IAAP136817	IAAP136817	691966.07	92544.14	05/17/11	0	1	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
IAAP136817	IAAP136818	691966.07	92544.14	05/17/11	1	2	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
IAAP136817	IAAP136819	691966.07	92544.14	05/17/11	2	3	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
IAAP136817	IAAP136820	691966.07	92544.14	05/17/11	3	4	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.06	0.25	J	0.25	0.25	U
IAAP136817	IAAP136821	691966.07	92544.14	05/17/11	4	5	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.08	0.25	J	0.25	0.25	U
IAAP136817	IAAP136822	691966.07	92544.14	05/17/11	5	6	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.07	0.25	J	0.25	0.25	U
IAAP136823	IAAP136823	691994.57	92524.56	05/18/11	1	2	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
IAAP136823	IAAP136824	691994.57	92524.56	05/18/11	2	3	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
IAAP136823	IAAP136825	691994.57	92524.56	05/18/11	3	4	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
IAAP136823	IAAP136826	691994.57	92524.56	05/18/11	4	5	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
IAAP136823	IAAP136827	691994.57	92524.56	05/18/11	5	6	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
IAAP136823	IAAP136828	691994.57	92524.56	05/18/11	6	7	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
IAAP137255	IAAP137255	691975.59	92518.24	05/18/11	0	1	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
IAAP137255	IAAP137256	691975.59	92518.24	05/18/11	1	2	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
IAAP137255	IAAP137257	691975.59	92518.24	05/18/11	2	3	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
IAAP137255	IAAP137258	691975.59	92518.24	05/18/11	3	4	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
IAAP137255	IAAP137259	691975.59	92518.24	05/18/11	4	5	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
IAAP137255	IAAP137260	691975.59	92518.24	05/18/11	5	6	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
IAAP96925	IAAP96925	692027	92844.46	10/26/06	0	0.5	0.35	0.35	U				0.35	0.35	U	0.35	0.35	U	0.35	0.35	U	0.35	0.35	U
IAAP96926	IAAP96926	692014.91	92844.8	10/26/06	0	0.5	0.35	0.35	U				0.35	0.35	U	0.35	0.35	U	0.35	0.35	U	0.35	0.35	U
IAAP96927	IAAP111632	691998.35	92979.48	09/23/08	0	0.5	0.33	0.33	U	0.33	0.33	U	0.33	0.33	U	0.33	0.33	U	0.33	0.33	U	0.33	0.33	U
IAAP96928	IAAP96928	691998.35	92979.48	10/26/06	0	0.5	0.35	0.35	U				0.35	0.35	U	0.35	0.35	U	0.35	0.35	U	0.35	0.35	U
IAAP96929	IAAP96929	691966.49	92969.51	10/26/06	0	0.5	0.34	0.34	U				0.34	0.34	U	0.34	0.34	U	0.34	0.34	U	0.34	0.34	U
IAAP96934	IAAP96934	COMPOSITE	COMPOSITE	11/15/06	0	0.5	0.29	0.29	UJ				0.29	0.29	UJ	0.29	0.29	UJ	0.29	0.29	UJ	0.29	0.29	UJ
IAAP96935	IAAP96935	691894.02	93328.08	11/15/06	0	0.5	0.28	0.28	UJ				0.28	0.28	UJ	0.28	0.28	UJ	0.28	0.28	UJ	0.28	0.28	UJ
IAAP96936	IAAP96936	COMPOSITE	COMPOSITE	11/15/06	0	0.5	0.34	0.34	UJ				0.34	0.34	UJ	0.34	0.34	UJ	0.34	0.34	UJ	0.34	0.34	UJ
IAAP96937	IAAP96937	COMPOSITE	COMPOSITE	11/13/06	0	0.5	0.28	0.28	UJ				0.28	0.28	UJ	0.28	0.28	UJ	0.12	0.28	=	0.28	0.28	UJ
IAAP96938	IAAP96938	691840.29	93270.4	11/13/06	0	0.5	0.33	0.33	UJ				0.33	0.33	UJ	0.33	0.33	UJ	0.33	0.33	UJ	0.33	0.33	UJ
IAAP96939	IAAP96939	691831.83	93298.23	11/13/06	0	0.5	0.27	0.27	UJ				0.27	0.27	UJ	0.27	0.27	UJ	0.27	0.27	UJ	0.27	0.27	UJ

Table B-1-1. FUSRAP Post-Excavation Soil Characterization Data Remaining for Explosives at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	1,3,5-TNB			1,3-DNB			2,4,6-TNT			2,4-DNT			HMX			RDX		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							102	---	---	---	---	---	196	---	---	8.7	---	---	51000	---	---	53	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	47.6	---	---	---	---	---	---	---	---	1.3	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^b :							32,000	---	---	82	---	---	9,600	---	---	740	---	---	57,000	---	---	3,800	---	---
<i>Eco CC</i> ^c :							---	---	---	<i>0.31</i>	---	---	<i>3.55</i>	---	---	---	---	---	<i>15.2</i>	---	---	<i>25.6</i>	---	---
IAAP96940	IAAP96940	691832.3	93342.32	11/13/06	0	0.5	0.28	0.28	UJ			0.28	0.28	UJ	0.28	0.28	UJ	0.28	0.28	UJ	0.28	0.28	UJ	
IAAP96941	IAAP96941	691814.66	93317.23	11/13/06	0	0.5	0.32	0.32	UJ			0.32	0.32	UJ	0.32	0.32	UJ	0.32	0.32	UJ	0.32	0.32	UJ	
IAAP96942	IAAP96942	691838.97	93244.84	11/13/06	0	0.5	0.31	0.31	UJ			0.31	0.31	UJ	0.31	0.31	UJ	0.31	0.31	UJ	0.31	0.31	UJ	
IAAP96949	IAAP96949	692113.04	93092.9	11/15/06	0	0.5	0.31	0.31	UJ			0.31	0.31	UJ	0.31	0.31	UJ	0.31	0.31	UJ	0.31	0.31	UJ	
IAAP96950	IAAP96950	COMPOSITE	COMPOSITE	11/15/06	0	0.5	0.32	0.32	UJ			0.32	0.32	UJ	0.32	0.32	UJ	0.32	0.32	UJ	0.32	0.32	UJ	
IAAP96951	IAAP96951	COMPOSITE	COMPOSITE	11/15/06	0	0.5	0.31	0.31	UJ			0.31	0.31	UJ	0.31	0.31	UJ	0.31	0.31	UJ	0.31	0.31	UJ	
IAAP96952	IAAP96952	692127.71	93042.61	11/15/06	0	0.5	0.26	0.26	UJ			0.26	0.26	UJ	0.26	0.26	UJ	0.26	0.26	UJ	0.26	0.26	UJ	
IAAP96953	IAAP96953	692116.38	93011.84	11/15/06	0	0.5	0.30	0.3	UJ			0.30	0.3	UJ	0.30	0.3	UJ	0.30	0.3	UJ	0.07	0.3	J	
IAAP96954	IAAP96954	692116.26	92981.47	11/15/06	0	0.5	0.28	0.28	UJ			0.28	0.28	UJ	0.28	0.28	UJ	0.28	0.28	UJ	0.28	0.28	UJ	
IAAP96955	IAAP96955	692175.68	92981.55	11/15/06	0	0.5	0.32	0.32	UJ			0.32	0.32	UJ	0.32	0.32	UJ	0.07	0.32	=	0.32	0.32	UJ	
IAAP96956	IAAP96956	COMPOSITE	COMPOSITE	11/15/06	0	0.5	0.31	0.31	UJ			0.31	0.31	UJ	0.31	0.31	UJ	0.31	0.31	UJ	0.31	0.31	UJ	
IAAP96957	IAAP96957	692056.98	93146.93	11/15/06	0	0.5	0.34	0.34	UJ			0.34	0.34	UJ	0.34	0.34	UJ	0.34	0.34	UJ	0.34	0.34	UJ	
IAAP96958	IAAP96958	692074.54	93130.61	11/15/06	0	0.5	0.35	0.35	UJ			0.35	0.35	UJ	0.35	0.35	UJ	0.12	0.35	J	0.35	0.35	UJ	
IAAP96959	IAAP96959	COMPOSITE	COMPOSITE	11/14/06	0	0.5	0.30	0.3	UJ			0.30	0.3	UJ	0.30	0.3	UJ	0.30	0.3	UJ	0.30	0.3	UJ	
IAAP96960	IAAP96960	692088.53	93112.41	11/15/06	0	0.5	0.32	0.32	UJ			0.32	0.32	UJ	0.32	0.32	UJ	0.32	0.32	UJ	0.32	0.32	UJ	
IAAP96961	IAAP96961	COMPOSITE	COMPOSITE	11/13/06	0	0.5	0.31	0.31	UJ			0.31	0.31	UJ	0.31	0.31	UJ	0.31	0.31	UJ	0.31	0.31	UJ	
IAAP96962	IAAP96962	COMPOSITE	COMPOSITE	11/13/06	0	0.5	0.31	0.31	UJ			0.31	0.31	UJ	0.31	0.31	UJ	0.31	0.31	UJ	0.31	0.31	UJ	
IAAP96963	IAAP96963	COMPOSITE	COMPOSITE	11/13/06	0	0.5	0.29	0.29	UJ			0.29	0.29	UJ	0.29	0.29	UJ	0.06	0.29	=	0.29	0.29	UJ	
IAAP96964	IAAP96964	691985.83	93063.1	11/13/06	0	0.5	0.31	0.31	UJ			0.31	0.31	UJ	0.31	0.31	UJ	0.31	0.31	UJ	0.31	0.31	UJ	
IAAP96965	IAAP96965	691993.8	93029.94	11/13/06	0	0.5	0.26	0.26	UJ			0.26	0.26	UJ	0.26	0.26	UJ	0.26	0.26	UJ	0.26	0.26	UJ	
IAAP96966	IAAP96966	691954.93	93007.81	11/13/06	0	0.5	0.32	0.32	UJ			0.32	0.32	UJ	0.32	0.32	UJ	0.32	0.32	UJ	0.32	0.32	UJ	
IAAP96967	IAAP96967	691937	93039	11/13/06	0	0.5	0.26	0.26	UJ			0.26	0.26	UJ	0.26	0.26	UJ	0.26	0.26	UJ	0.26	0.26	UJ	
IAAP96968	IAAP96968	691938.96	93067.14	11/13/06	0	0.5	0.26	0.26	UJ			0.26	0.26	UJ	0.26	0.26	UJ	0.26	0.26	UJ	0.26	0.26	UJ	
IAAP96969	IAAP96969	691938.96	93067.14	11/13/06	1	2	0.31	0.31	UJ			0.31	0.31	UJ	0.31	0.31	UJ	0.31	0.31	UJ	0.31	0.31	UJ	
IAAP96970	IAAP96970	691909.48	93056.65	11/13/06	0	0.5	0.33	0.33	UJ			0.33	0.33	UJ	0.33	0.33	UJ	0.33	0.33	UJ	0.33	0.33	UJ	
IAAP96976	IAAP96976	COMPOSITE	COMPOSITE	11/14/06	0	0.5	0.33	0.33	UJ			0.33	0.33	UJ	0.33	0.33	UJ	0.33	0.33	UJ	0.33	0.33	UJ	
IAAP96977	IAAP96977	COMPOSITE	COMPOSITE	11/14/06	0	0.5	0.37	0.37	UJ			0.10	0.37	J	0.37	0.37	UJ	0.37	0.37	UJ	0.37	0.37	UJ	
IAAP96979	IAAP96979	691795.01	93119.57	11/14/06	0	0.5	0.32	0.32	UJ			0.32	0.32	UJ	0.32	0.32	UJ	0.32	0.32	UJ	0.32	0.32	UJ	
IAAP96980	IAAP96980	691808.87	93106.84	11/14/06	0	0.5	0.27	0.27	UJ			0.27	0.27	UJ	0.27	0.27	UJ	0.27	0.27	UJ	0.27	0.27	UJ	
IAAP96988	IAAP96988	691954.34	92114.71	11/14/06	0	0.5	0.27	0.27	UJ			0.27	0.27	UJ	0.27	0.27	UJ	0.27	0.27	UJ	0.27	0.27	UJ	
IAAP96989	IAAP96989	691876.63	92299.46	11/14/06	0	0.5	0.31	0.31	UJ			0.31	0.31	UJ	0.31	0.31	UJ	0.31	0.31	UJ	0.31	0.31	UJ	
IAAP96992	IAAP96992	COMPOSITE	COMPOSITE	11/14/06	0	0.5	0.28	0.28	UJ			0.28	0.28	UJ	0.28	0.28	UJ	0.28	0.28	UJ	0.28	0.28	UJ	
IAAP96994	IAAP96994	691857.33	92413.74	11/14/06	0	0.5	0.28	0.28	UJ			0.28	0.28	UJ	0.28	0.28	UJ	0.28	0.28	UJ	0.28	0.28	UJ	
IAAP96995	IAAP96995	691870.98	92410.67	11/14/06	0	0.5	0.30	0.3	UJ			0.30	0.3	UJ	0.30	0.3	UJ	0.30	0.3	UJ	0.30	0.3	UJ	
IAAP96996	IAAP96996	COMPOSITE	COMPOSITE	11/14/06	0	0.5	0.32	0.32	UJ			0.32	0.32	UJ	0.32	0.32	UJ	0.32	0.32	UJ	0.32	0.32	UJ	

Table B-1-1. FUSRAP Post-Excavation Soil Characterization Data Remaining for Explosives at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	1,3,5-TNB			1,3-DNB			2,4,6-TNT			2,4-DNT			HMX			RDX		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							102	---	---	---	---	---	196	---	---	8.7	---	---	51000	---	---	53	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	47.6	---	---	---	---	---	---	---	---	1.3	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^b :							32,000	---	---	82	---	---	9,600	---	---	740	---	---	57,000	---	---	3,800	---	---
<i>Eco CC</i> ^c :							---	---	---	<i>0.31</i>	---	---	<i>3.55</i>	---	---	---	---	---	<i>15.2</i>	---	---	<i>25.6</i>	---	---
IAAP96997	IAAP96997	691844.39	92407.27	11/14/06	0	0.5	0.28	0.28	UJ			0.28	0.28	UJ	0.28	0.28	UJ	0.28	0.28	UJ	0.28	0.28	UJ	
IAAP96998	IAAP96998	691728	93303	11/14/06	0	0.5	0.27	0.27	UJ			0.27	0.27	UJ	0.27	0.27	UJ	0.27	0.27	UJ	0.27	0.27	UJ	
IAAP97000	IAAP97000	691786.4	93115.72	11/14/06	0	0.5	0.33	0.33	UJ			0.33	0.33	UJ	0.33	0.33	UJ	0.33	0.33	UJ	0.33	0.33	UJ	
IAAP97001	IAAP97001	691872	93010	12/18/06	0	0.5	0.28	0.28	UJ			0.28	0.28	UJ	0.28	0.28	UJ	0.07	0.28	J	0.28	0.28	UJ	
IAAP97002	IAAP97002	691884	93003	12/18/06	0	0.5	0.27	0.27	UJ			0.27	0.27	UJ	0.27	0.27	UJ	0.37	0.27	J	0.09	0.27	J	
IAAP97003	IAAP97003	691888	92995	12/18/06	0	0.5	0.31	0.31	UJ			0.17	0.31	J	0.31	0.31	UJ	0.76	0.31	J	0.26	0.31	J	
IAAP97004	IAAP97004	691895	92793	12/19/06	0	0.5	0.33	0.33	U			0.09	0.33	J	0.33	0.33	U	0.70	0.33	=	0.06	0.33	=	
IAAP97005	IAAP97005	691902	92791	12/19/06	0	0.5	0.31	0.31	U			0.18	0.31	=	0.31	0.31	U	0.06	0.31	=	0.13	0.31	=	
IAAP97006	IAAP97006	691908	92794	12/19/06	0	0.5	0.31	0.31	U			0.31	0.31	U	0.31	0.31	U	0.31	0.31	U	0.31	0.31	U	
IAAP97007	IAAP97007	691925	92795	12/19/06	0	0.5	0.32	0.32	U			0.32	0.32	U	0.32	0.32	U	0.32	0.32	U	0.32	0.32	U	
IAAP97008	IAAP97008	691894	92818	12/19/06	0	0.5	0.32	0.32	U			0.32	0.32	U	0.32	0.32	U	0.08	0.32	J	0.11	0.32	=	
IAAP97009	IAAP97009	691903	92823	12/19/06	0	0.5	0.31	0.31	U			0.31	0.31	U	0.31	0.31	U	0.31	0.31	U	0.31	0.31	U	
IAAP97010	IAAP97010	691891	92892	12/19/06	0	0.5	0.31	0.31	U			0.31	0.31	U	0.31	0.31	U	0.31	0.31	U	0.31	0.31	U	
IAAP97011	IAAP97011	691900	92879	12/19/06	0	0.5	0.32	0.32	U			0.32	0.32	U	0.32	0.32	U	0.32	0.32	U	0.32	0.32	U	
IAAP97012	IAAP97012	691889	92913	12/19/06	0	0.5	0.33	0.33	U			0.33	0.33	U	0.33	0.33	U	0.33	0.33	U	0.33	0.33	U	
IAAP97013	IAAP97013	691813	92905	12/18/06	0	0.5	0.28	0.28	UJ			0.28	0.28	UJ	0.28	0.28	UJ	0.28	0.28	UJ	0.28	0.28	UJ	
IAAP97014	IAAP97014	691785	92886	12/18/06	0	0.5	0.38	0.38	UJ			0.19	0.38	J	0.38	0.38	UJ	0.94	0.38	J	0.96	0.38	J	
IAAP97015	IAAP97015	691688	92824	12/18/06	0	0.5	0.26	0.26	UJ			0.26	0.26	UJ	0.26	0.26	UJ	0.05	0.26	J	0.26	0.26	UJ	
IAAP97016	IAAP97016	691683	92887	12/18/06	0	0.5	0.33	0.33	UJ			<i>11.00</i>	0.33	J	0.33	0.33	UJ	0.33	0.33	UJ	0.33	0.33	UJ	
IAAP97017	IAAP97017	691680	92894	12/18/06	0	0.5	0.30	0.3	UJ			0.30	0.3	UJ	0.30	0.3	UJ	0.30	0.3	UJ	0.30	0.3	UJ	
IAAP97018	IAAP97018	691694	92881	12/18/06	0	0.5	0.35	0.35	UJ			<i>8.70</i>	0.35	J	0.35	0.35	UJ	0.35	0.35	UJ	0.35	0.35	UJ	
IAAP97020	IAAP130333	691695	92744	09/09/10	1	2	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
IAAP97020	IAAP130334	691695	92744	09/09/10	2	3	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
IAAP97020	IAAP130335	691695	92744	09/09/10	3	4	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
IAAP97020	IAAP130336	691695	92744	09/09/10	4	5	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
IAAP97020	IAAP130337	691695	92744	09/09/10	5	6	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
IAAP97020	IAAP130338	691695	92744	09/09/10	6	7	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
IAAP97020	IAAP130339	691695	92744	09/09/10	7	8	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
IAAP97020	IAAP130340	691695	92744	09/09/10	8	9	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.06	0.25	J	0.25	0.25	U
IAAP97020	IAAP97020	691695	92744	12/18/06	0	0.5	0.33	0.33	UJ			0.33	0.33	UJ	0.33	0.33	UJ	0.33	0.33	UJ	0.33	0.33	UJ	
IAAP97021	IAAP97021	691719	92718	12/18/06	0	0.5	0.34	0.34	UJ			0.34	0.34	UJ	0.34	0.34	UJ	0.34	0.34	UJ	0.48	0.34	J	
IAAP97022	IAAP97022	691753	92650	12/18/06	0	0.5	0.32	0.32	UJ			0.18	0.32	J	0.32	0.32	UJ	0.32	0.32	UJ	0.32	0.32	UJ	
IAAP97023	IAAP97023	691750	92660	12/18/06	0	0.5	0.35	0.35	UJ			0.35	0.35	UJ	0.35	0.35	UJ	0.35	0.35	UJ	0.35	0.35	UJ	
IAAP97024	IAAP97024	691745	92709	12/18/06	0	0.5	0.33	0.33	UJ			0.33	0.33	UJ	0.33	0.33	UJ	0.33	0.33	UJ	1.20	0.33	J	
IAAP97025	IAAP97025	691718	92783	12/18/06	0	0.5	0.33	0.33	UJ			0.33	0.33	UJ	0.33	0.33	UJ	0.33	0.33	UJ	0.33	0.33	UJ	

Table B-1-1. FUSRAP Post-Excavation Soil Characterization Data Remaining for Explosives at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	1,3,5-TNB			1,3-DNB			2,4,6-TNT			2,4-DNT			HMX			RDX		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							102	---	---	---	---	---	196	---	---	8.7	---	---	51000	---	---	53	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	47.6	---	---	---	---	---	---	---	---	---	---	
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^b :							32,000	---	---	82	---	---	9,600	---	---	740	---	---	57,000	---	---	3,800	---	---
<i>Eco CC</i> ^c :							---	---	---	<i>0.31</i>	---	---	<i>3.55</i>	---	---	---	---	---	<i>15.2</i>	---	---	<i>25.6</i>	---	---
IAAP97026	IAAP97026	691811	92938	12/18/06	0	0.5	0.34	0.34	UJ															
IAAP97027	IAAP97027	691942	92676	12/19/06	0	0.5	0.33	0.33	U															
IAAP97029	IAAP130367	691930	92683	09/08/10	1	2	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.05	0.25	J	0.25	0.25	U
IAAP97029	IAAP130368	691930	92683	09/08/10	2	3	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.11	0.25	J	0.25	0.25	U
IAAP97029	IAAP130369	691930	92683	09/08/10	3	4	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.06	0.25	J	0.25	0.25	U
IAAP97029	IAAP130370	691930	92683	09/08/10	4	5	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
IAAP97029	IAAP130371	691930	92683	09/08/10	5	6	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
IAAP97029	IAAP130372	691930	92683	09/08/10	6	7	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
IAAP97029	IAAP130373	691930	92683	09/08/10	7	8	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
IAAP97029	IAAP97029	691930	92683	12/19/06	0	0.5	0.33	0.33	U															
IAAP97036	IAAP97036	692052.2	92417.45	12/19/06	0	0.5	0.27	0.27	U															
IAAP97037	IAAP97037	692060	92421.6	12/19/06	0	0.5	0.28	0.28	U															
IAAP97038	IAAP97038	692004	92424	12/19/06	0	0.5	0.34	0.34	U															
IAAP97039	IAAP97039	692142.8	92156	12/19/06	0	0.5	0.31	0.31	U															
IAAP97040	IAAP97040	692146	92149	12/19/06	0	0.5	0.33	0.33	U															
IAAP97041	IAAP97041	692132.3	92131.1	12/19/06	0	0.5	0.28	0.28	U															
IAAP97045	IAAP97045	692065	92323	12/19/06	0	0.5	0.30	0.3	U															
IAAP97046	IAAP97046	692051	92339	12/19/06	0	0.5	0.33	0.33	U															
IAAP97048	IAAP97048	692140.2	92094.9	12/19/06	0	0.5	0.29	0.29	U															
IAAP97049	IAAP97049	691998	92245	12/19/06	0	0.5	0.33	0.33	U															
IAAP98247	IAAP98247	691977	92312	12/19/06	0	0.5	0.35	0.35	U															
IAAP98250	IAAP98250	691732	92354	12/20/06	0	0.5	0.37	0.37	U															
IAAP98251	IAAP98251	691761	92310	12/20/06	0	0.5	0.32	0.32	U															
IAAP98253	IAAP98253	691755	92246	12/20/06	0	0.5	0.32	0.32	U															
IAAP98254	IAAP98254	691702	92289	12/20/06	0	0.5	0.42	0.42	U															
IAAP98260	IAAP98260	691719	92537	12/18/06	0	0.5	0.30	0.3	UJ															
IAAP98261	IAAP98261	691626	92692	12/18/06	0	0.5	0.31	0.31	UJ															
IAAP98262	IAAP98262	691633	92751	12/18/06	0	0.5	0.34	0.34	UJ															
IAAP98263	IAAP98263	691582	92869	12/18/06	0	0.5	0.95	0.95	UJ															
IAAP98264	IAAP98264	691518	93097	12/18/06	0	0.5	0.41	0.41	UJ															
IAAP98266	IAAP98266	691878	92578	12/18/06	0	0.5	0.32	0.32	UJ															
IAAP98273	IAAP98273	692131	92072.7	12/19/06	0	0.5	0.32	0.32	U															
IAAP99934	IAAP130431	692030.09	92396.58	09/08/10	2	3	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
IAAP99934	IAAP130432	692030.09	92396.58	09/08/10	3	4	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
IAAP99934	IAAP130433	692030.09	92396.58	09/08/10	4	5	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U

Table B-1-1. FUSRAP Post-Excavation Soil Characterization Data Remaining for Explosives at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	1,3,5-TNB			1,3-DNB			2,4,6-TNT			2,4-DNT			HMX			RDX		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							102	---	---	---	---	---	196	---	---	8.7	---	---	51000	---	---	53	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	47.6	---	---	---	---	---	---	---	1.3	---	---	
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:							32,000	---	---	82	---	---	9,600	---	---	740	---	---	57,000	---	---	3,800	---	---
<i>Eco CC^c:</i>							---	---	---	<i>0.31</i>	---	---	<i>3.55</i>	---	---	---	---	---	<i>15.2</i>	---	---	<i>25.6</i>	---	---
IAAP99934	IAAP130434	692030.09	92396.58	09/08/10	5	6	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
IAAP99934	IAAP130435	692030.09	92396.58	09/08/10	6	7	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
IAAP99934	IAAP99934	692030.09	92396.58	04/16/07	0	1	0.31	0.31	U				0.31	0.31	U	0.31	0.31	U	0.31	0.31	U	0.31	0.31	U
IAAP99934	IAAP99935	692030.09	92396.58	04/16/07	1	2	0.32	0.32	U				0.32	0.32	U	0.32	0.32	U	0.32	0.32	U	0.32	0.32	U
IAAP99936	IAAP99936	692027.39	92394.07	04/16/07	0	1	0.33	0.33	U				0.33	0.33	U	0.33	0.33	U	0.33	0.33	U	0.33	0.33	U
IAAP99936	IAAP99937	692027.39	92394.07	04/16/07	1	2	0.32	0.32	U				0.32	0.32	U	0.32	0.32	U	0.32	0.32	U	0.32	0.32	U
IAAP99938	IAAP99938	691747.48	92260.65	04/15/07	0	0.5	0.30	0.3	U				0.30	0.3	U	0.30	0.3	U	0.30	0.3	U	0.30	0.3	U
IAAP99939	IAAP99939	691743.59	92262.02	04/15/07	0	0.5	0.32	0.32	U				0.32	0.32	U	0.32	0.32	U	0.32	0.32	U	0.32	0.32	U
IAAP99940	IAAP99940	691708.65	92265.87	04/15/07	0	0.5	0.35	0.35	U				0.35	0.35	U	0.35	0.35	U	0.35	0.35	U	0.35	0.35	U
IAAP99941	IAAP99941	691700.52	92270.71	04/15/07	0	0.5	0.66	0.66	U				0.66	0.66	U	0.66	0.66	U	0.66	0.66	U	0.66	0.66	U
IAAP99942	IAAP99942	692058.69	92404.33	04/16/07	0	0.5	0.27	0.27	U				0.27	0.27	U	0.27	0.27	U	0.27	0.27	U	0.27	0.27	U
IAAP99959	IAAP99959	692014.14	92937.77	06/05/07	3	4	0.29	0.29	U				0.29	0.29	U	0.29	0.29	U	0.29	0.29	U	0.29	0.29	U
IAAP99960	IAAP99960	692001.22	92882.79	06/05/07	2	2.5	0.27	0.27	U				0.27	0.27	U	0.27	0.27	U	0.27	0.27	U	0.27	0.27	U
Maximum Reported Concentration (Detects and Non-Detects):							5.10	---	=	<i>0.35</i>	---	U	<i>11</i>	---	=	0.95	---	U	<i>330</i>	---	J	<i>22</i>	---	J
Maximum Detected Concentration:							5.10	---	=	NA	---	---	<i>11</i>	---	=	0.05	---	J	<i>330</i>	---	J	<i>22</i>	---	J
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0):							0	---	---	---	---	---	0	---	---	0	---	---	0	---	---	0	---	---
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection):							---	---	---	---	---	---	0	---	---	---	---	---	---	---	---	5	---	---
Number of Sample Results Greater than USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0):							0	---	---	0	---	---	0	---	---	0	---	---	0	---	---	0	---	---
Number of Sample Results Greater than Eco CC:							---	---	---	15	---	---	2	---	---	---	---	---	6	---	---	0	---	---

^a Gray-shaded concentrations exceed the corresponding IAAAP OU-1 ROD RGs protective of an industrial worker ingesting soil (USACE 1998a).

^b Concentrations in **bold** exceed the corresponding RLSs (USEPA 2018a) protective of an industrial worker exposed to soil via ingestion, dermal contact, and dust inhalation.

^c Concentrations in *italics* exceed the corresponding Eco CCs calculated for Line 1.

Notes:

"---" Indicates that there is no comparison value available.

All results and comparison values are in mg/kg.

NA - Maximum detected result is not available because all results reported for the parameter are non-detect.

Validation qualifier (VQ) symbols indicate: “=” positive identification, positive quantitation, no reason to estimate, “U” non-detect, no reason to estimate, “J” positive identification, estimated quantitation, “UJ” analyte was not detected and had QC deficiencies.

Table B-1-2. FUSRAP Post-Excavation Soil Characterization Data Remaining for Polynuclear Aromatic Hydrocarbons at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	Acenaphthene			Acenaphthylene			Anthracene			Benzo(a)anthracene			Benzo(a)pyrene			Benzo(b)fluoranthene					
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:							45,000	---	---	---	---	---	230,000	---	---	2,100	---	---	210	---	---	2,100	---	---	---	---	
<i>Eco CC^c:</i>							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
IAAP100000	IAAP100000	691723.44	93385.79	03/28/07	0	0.5													0.350	0.018	J						
IAAP100000	IAAP100001	691723.44	93385.79	03/28/07	0.5	1													0.240	0.018	=						
IAAP100000	IAAP100112	691723.44	93385.79	03/28/07	1	1.5													0.430	0.088	J						
IAAP100002	IAAP100002	691726.92	93376.03	03/28/07	0	0.5													0.120	0.02	=						
IAAP100002	IAAP100003	691726.92	93376.03	03/28/07	0.5	1													0.220	0.2	=						
IAAP100002	IAAP100113	691726.92	93376.03	03/28/07	1	1.5													0.009	0.021	=						
IAAP100004	IAAP100004	691732.81	93366.73	03/28/07	0	0.5													0.130	0.019	J						
IAAP100004	IAAP100005	691732.81	93366.73	03/28/07	0.5	1													0.130	0.019	=						
IAAP100004	IAAP100114	691732.81	93366.73	03/28/07	1	1.5													0.003	0.017	=						
IAAP100006	IAAP100006	691735.81	93358.42	03/28/07	0	0.5													0.170	0.019	J						
IAAP100006	IAAP100007	691735.81	93358.42	03/28/07	0.5	1													0.014	0.019	J						
IAAP100006	IAAP100115	691735.81	93358.42	03/28/07	1	1.5													0.013	0.019	=						
IAAP100008	IAAP100008	691739.66	93346.54	03/28/07	0	0.5													0.200	0.019	=						
IAAP100008	IAAP100009	691739.66	93346.54	03/28/07	0.5	1													0.043	0.019	=						
IAAP100008	IAAP100116	691739.66	93346.54	03/28/07	1	1.5													0.020	0.02	U						
IAAP100018	IAAP111613	691799.22	93143.77	09/25/08	1	2	0.760	0.76	U	0.760	0.76	U	0.380	0.38	U	0.190	0.19	U	0.190	0.19	U	0.190	0.19	U			
IAAP100018	IAAP111614	691799.22	93143.77	09/25/08	2	3	0.740	0.74	U	0.740	0.74	U	0.370	0.37	U	0.190	0.19	U	0.190	0.19	U	0.190	0.19	U			
IAAP100019	IAAP100019	691680.5	93483.59	04/03/07	0	1													0.050	0.003	J						
IAAP100019	IAAP100020	691680.5	93483.59	04/03/07	1	2													0.120	0.002	J						
IAAP100019	IAAP100021	691680.5	93483.59	04/03/07	2	3													0.380	0.003	J						
IAAP100022	IAAP100022	691683.23	93484.22	04/03/07	0	1													0.086	0.003	J						
IAAP100022	IAAP100023	691683.23	93484.22	04/03/07	1	2													0.075	0.003	J						
IAAP100022	IAAP100024	691683.23	93484.22	04/03/07	2	3													0.130	0.003	J						
IAAP100025	IAAP100025	691680.01	93480.46	04/03/07	0	1													0.069	0.003	J						
IAAP100025	IAAP100026	691680.01	93480.46	04/03/07	1	2													0.180	0.003	J						
IAAP100025	IAAP100027	691680.01	93480.46	04/03/07	2	3													0.440	0.005	J						
IAAP100028	IAAP100028	691677.83	93485.11	04/03/07	0	1													0.081	0.002	J						
IAAP100028	IAAP100029	691677.83	93485.11	04/03/07	1	2													0.002	0.002	UJ						
IAAP100028	IAAP100030	691677.83	93485.11	04/03/07	2	3													0.034	0.002	J						
IAAP100036	IAAP100036	691949.6	92924.92	03/23/07	0	0.5													0.034	0.02	=						
IAAP100120	IAAP105958	691892.27	92915.15	10/16/07	1	2	2.800	2.8	UJ	5.600	5.6	UJ	2.600	1.4	J	5.500	0.7	J	5.300	0.7	J	5.500	0.7	J			
IAAP103897	IAAP103897	691685.15	93479.02	05/31/07	0	0.5													0.032	0.018	=						
IAAP103898	IAAP103898	691678.01	93476.19	05/31/07	0	0.5													0.036	0.018	J						
IAAP103899	IAAP103899	691670.59	93479.71	05/31/07	0	0.5													0.019	0.019	U						
IAAP103900	IAAP103900	691723.57	93391.67	05/29/07	0	0.5													0.140	0.017	J						
IAAP103900	IAAP103901	691723.57	93391.67	05/29/07	0.5	1													0.035	0.016	J						

Table B-1-2. FUSRAP Post-Excavation Soil Characterization Data Remaining for Polynuclear Aromatic Hydrocarbons at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	Acenaphthene			Acenaphthylene			Anthracene			Benzo(a)anthracene			Benzo(a)pyrene			Benzo(b)fluoranthene			
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:							45,000	---	---	---	---	---	230,000	---	---	2,100	---	---	210	---	---	2,100	---	---	
<i>Eco CC^c:</i>							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
IAAP103900	IAAP103902	691723.57	93391.67	05/29/07	1	1.5														0.019	0.019	UJ			
IAAP103900	IAAP103903	691723.57	93391.67	05/29/07	1.5	2														0.019	0.019	UJ			
IAAP103904	IAAP103904	691713.05	93388.24	05/29/07	0	0.5														0.087	0.017	J			
IAAP103904	IAAP103905	691713.05	93388.24	05/29/07	0.5	1														0.029	0.018	J			
IAAP103904	IAAP103906	691713.05	93388.24	05/29/07	1	1.5														0.018	0.018	UJ			
IAAP103904	IAAP103907	691713.05	93388.24	05/29/07	1.5	2														0.018	0.018	UJ			
IAAP105934	IAAP105934	691764.49	93233.23	10/15/07	0	0.5	0.780	0.78	UJ	1.600	1.6	UJ	0.042	0.39	J	0.200	0.19	J	0.160	0.19	J	0.390	0.19	J	
IAAP105935	IAAP105935	691761.5	93225.33	10/15/07	0	0.5	0.073	0.073	UJ	0.150	0.15	UJ	0.037	0.037	UJ	0.018	0.018	UJ	0.021	0.018	J	0.021	0.018	J	
IAAP105945	IAAP105945	691880.77	93019.54	10/16/07	0	0.5	0.400	0.74	J	1.500	1.5	UJ	0.140	0.37	J	0.280	0.19	J	0.270	0.19	J	0.280	0.19	J	
IAAP105947	IAAP105947	691864.8	93022.31	10/16/07	0	0.5	0.700	0.7	=	1.400	1.4	=	0.072	0.35	=	0.160	0.17	=	0.200	0.17	=	0.260	0.17	=	
IAAP105949	IAAP105949	691890.34	92921.63	10/16/07	0	0.5	3.700	0.71	=	1.400	1.4	=	0.230	0.35	=	0.620	0.18	=	0.620	0.18	=	0.660	0.18	=	
IAAP105950	IAAP105950	691896.21	92907.01	10/16/07	0	0.5	1.200	0.74	=	1.500	1.5	=	0.180	0.37	=	0.520	0.19	=	0.490	0.19	=	0.580	0.19	=	
IAAP105952	IAAP105952	691640.42	92914.03	10/15/07	0	0.5	0.920	0.71	J	1.400	1.4	UJ	0.130	0.36	J	0.430	0.18	J	0.480	0.18	J	0.530	0.18	J	
IAAP105953	IAAP105953	691656	92866.26	10/15/07	0	0.5	1.000	0.72	J	1.400	1.4	UJ	0.180	0.36	J	0.400	0.18	J	0.450	0.18	J	0.500	0.18	J	
IAAP105954	IAAP105954	691673.56	92860.79	10/15/07	0	0.5	4.300	0.76	J	1.500	1.5	UJ	0.320	0.38	J	0.640	0.19	J	0.740	0.19	J	0.760	0.19	J	
IAAP105955	IAAP105955	691683.35	92865.75	10/15/07	0	0.5	0.740	0.74	UJ	1.500	1.5	UJ	0.077	0.37	J	0.220	0.19	J	0.240	0.19	J	0.270	0.19	J	
IAAP105956	IAAP105956	691883	92986.59	10/16/07	0	0.5	2.600	0.63	J	1.300	1.3	UJ	0.066	0.32	J	0.250	0.16	J	0.310	0.16	J	0.410	0.16	J	
IAAP105967	IAAP105967	691807.5	92472.8	10/16/07	0	0.5	0.065	0.065	U	0.130	0.13	U	0.032	0.032	UJ	0.016	0.016	UJ	0.083	0.016	J	0.049	0.016	J	
IAAP105968	IAAP105968	691901.37	92321.65	10/16/07	0	0.5	20.000	2.7	J	5.500	5.5	UJ	1.700	1.4	J	3.700	0.68	J	3.600	0.68	J	3.900	0.68	J	
IAAP105969	IAAP105969	691889.48	92362.42	10/16/07	0	0.5	29.000	2.7	J	5.400	5.4	UJ	2.000	1.4	J	4.600	0.68	J	4.500	0.68	J	5.300	0.68	J	
IAAP105971	IAAP105971	691848.4	92323.9	10/16/07	0	0.5	3.500	1.3	J	2.700	2.7	UJ	0.170	0.67	J	0.600	0.33	J	0.740	0.33	J	0.820	0.33	J	
IAAP105974	IAAP105974	692005.45	92246.33	10/17/07	0	0.5	0.710	0.71	UJ	1.400	1.4	UJ	0.220	0.36	J	0.540	0.18	J	0.540	0.18	J	0.530	0.18	J	
IAAP105975	IAAP105975	691991	92244	10/17/07	0	0.5	1.300	1.3	UJ	2.700	2.7	UJ	0.110	0.67	J	0.230	0.33	J	0.190	0.33	J	0.210	0.33	J	
IAAP105976	IAAP105976	692001.86	92235.87	10/17/07	0	0.5	2.700	2.8	J	5.700	5.7	UJ	0.370	1.4	J	0.630	0.71	J	0.640	0.71	J	0.670	0.71	J	
IAAP105977	IAAP105977	691975.1	92313.08	10/17/07	0	0.5	1.100	0.71	J	1.400	1.4	UJ	0.063	0.36	J	0.190	0.18	J	0.260	0.18	J	0.290	0.18	J	
IAAP105978	IAAP105978	691968.4	92315.09	10/17/07	0	0.5	25.000	2.6	J	5.200	5.2	UJ	2.500	1.3	J	5.500	0.65	J	4.900	0.65	J	5.500	0.65	J	
IAAP105978	IAAP111715	691968.4	92315.09	09/29/08	1	1.5	0.720	0.72	U	0.720	0.72	U	0.360	0.36	U	0.180	0.18	U	0.180	0.18	U	0.180	0.18	U	
IAAP105979	IAAP105979	691972	92302.87	10/17/07	0	0.5	3.600	0.7	J	1.400	1.4	UJ	0.230	0.35	J	0.800	0.18	J	0.940	0.18	J	1.000	0.18	J	
IAAP111611	IAAP111611	691778.8	93204.6	09/25/08	0	0.5	0.620	0.62	U	0.620	0.62	U	0.310	0.31	U	0.150	0.15	U	0.150	0.15	U	0.150	0.15	U	
IAAP111615	IAAP111615	691804.07	93129.37	09/25/08	0	0.5	0.630	0.63	U	0.630	0.63	U	0.320	0.32	U	0.160	0.16	U	0.160	0.16	U	0.160	0.16	U	
IAAP111615	IAAP111616	691804.07	93129.37	09/25/08	1	2	0.760	0.76	U	0.760	0.76	U	0.380	0.38	U	0.190	0.19	U	0.190	0.19	U	0.190	0.19	U	
IAAP111615	IAAP111617	691804.07	93129.37	09/25/08	2	3	0.760	0.76	U	0.760	0.76	U	0.380	0.38	U	0.190	0.19	U	0.190	0.19	U	0.190	0.19	U	
IAAP111615	IAAP111618	691804.07	93129.37	09/25/08	3	4	0.770	0.77	U	0.770	0.77	U	0.390	0.39	U	0.190	0.19	U	0.190	0.19	U	0.190	0.19	U	
IAAP111621	IAAP111621	691918.06	93043.38	09/25/08	0	0.5	0.740	0.74	U	0.740	0.74	U	0.370	0.37	U	0.180	0.18	U	0.180	0.18	U	0.180	0.18	U	
IAAP111627	IAAP111627	691996.16	93028.25	09/24/08	0	0.5	0.690	0.69	U	0.690	0.69	U	0.350	0.35	U	0.170	0.17	U	0.170	0.17	U	0.170	0.17	U	
IAAP111629	IAAP111629	691991.05	93032.64	09/24/08	1	2.5	0.620	0.62	U	0.620	0.62	U	0.310	0.31	U	0.150	0.15	U	0.150	0.15	U	0.150	0.15	U	

Table B-1-2. FUSRAP Post-Excavation Soil Characterization Data Remaining for Polynuclear Aromatic Hydrocarbons at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	Acenaphthene			Acenaphthylene			Anthracene			Benzo(a)anthracene			Benzo(a)pyrene			Benzo(b)fluoranthene		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:							45,000	---	---	---	---	---	230,000	---	---	2,100	---	---	210	---	---	2,100	---	---
<i>Eco CC^c:</i>							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
IAAP111636	IAAP111636	691868.18	93036.89	09/24/08	0	0.5	0.810	0.81	U	0.810	0.81	U	0.410	0.41	U	0.250	0.2	=	0.250	0.2	=	0.320	0.2	=
IAAP111658	IAAP111658	691646.63	92930.64	09/25/08	0	0.5	1.500	1.5	U	1.500	1.5	U	0.210	0.75	J	0.520	0.38	=	0.530	0.38	=	0.600	0.38	=
IAAP111659	IAAP111659	691646.44	92915.12	09/24/08	0	0.5	7.000	7	U	7.000	7	U	3.500	3.5	U	11.000	1.7	=	14.000	1.7	=	19.000	1.7	=
IAAP111660	IAAP111660	691663.04	92866.98	09/25/08	0	0.5	3.400	3.4	U	3.400	3.4	U	1.700	1.7	U	1.800	0.85	=	2.900	0.85	=	4.000	0.85	=
IAAP111686	IAAP111686	691806.97	92486.81	09/30/08	0	0.5	0.650	0.65	U	0.650	0.65	U	0.320	0.32	U	0.160	0.16	U	0.160	0.16	U	0.160	0.16	U
IAAP111689	IAAP111689	691886.17	92369.49	09/30/08	0	1	1.300	1.3	U	1.300	1.3	U	0.660	0.66	=	1.500	0.33	=	1.500	0.33	=	1.600	0.33	=
IAAP111689	IAAP111690	691886.17	92369.49	09/30/08	1	1.5	0.650	0.65	U	0.650	0.65	U	0.320	0.32	U	0.160	0.16	U	0.160	0.16	U	0.160	0.16	U
IAAP111692	IAAP111692	691905.64	92309.6	09/30/08	0	1	0.750	0.75	U	0.750	0.75	U	0.370	0.37	U	0.190	0.19	U	0.190	0.19	U	0.190	0.19	U
IAAP111692	IAAP111693	691905.64	92309.6	09/30/08	1	2	0.750	0.75	U	0.750	0.75	U	0.370	0.37	U	0.190	0.19	U	0.190	0.19	U	0.190	0.19	U
IAAP111695	IAAP111695	691858.74	92336.3	09/30/08	0	1	0.730	0.73	U	0.730	0.73	U	0.370	0.37	U	0.180	0.18	U	0.180	0.18	U	0.180	0.18	U
IAAP111695	IAAP111696	691858.74	92336.3	09/30/08	1	2	0.710	0.71	U	0.710	0.71	U	0.350	0.35	U	0.180	0.18	U	0.180	0.18	U	0.180	0.18	U
IAAP111698	IAAP111698	691854.38	92324.52	09/30/08	0	1	0.710	0.71	U	0.710	0.71	U	0.360	0.36	U	0.180	0.18	U	0.180	0.18	U	0.180	0.18	U
IAAP111698	IAAP111699	691854.38	92324.52	09/30/08	1	2	0.730	0.73	U	0.730	0.73	U	0.370	0.37	U	0.180	0.18	U	0.180	0.18	U	0.180	0.18	U
IAAP111700	IAAP111700	691864.29	92311.18	09/30/08	0	1	0.730	0.73	U	0.730	0.73	U	0.360	0.36	U	0.280	0.18	=	0.350	0.18	=	0.420	0.18	=
IAAP111700	IAAP111701	691864.29	92311.18	09/30/08	1	2	0.750	0.75	U	0.750	0.75	U	0.380	0.38	U	0.190	0.19	U	0.190	0.19	U	0.190	0.19	U
IAAP111702	IAAP111702	691852.37	92314.5	09/30/08	0	1	0.700	0.7	U	0.700	0.7	U	0.350	0.35	U	0.170	0.17	U	0.170	0.17	U	0.240	0.17	=
IAAP111702	IAAP111703	691852.37	92314.5	09/30/08	1	2	0.720	0.72	U	0.720	0.72	U	0.360	0.36	U	0.180	0.18	U	0.180	0.18	U	0.180	0.18	U
IAAP111713	IAAP111713	691978.43	92321.69	09/29/08	0	0.5	0.780	0.78	U	0.780	0.78	U	0.390	0.39	U	0.190	0.19	U	0.190	0.19	U	0.190	0.19	U
IAAP111716	IAAP111716	691968.14	92290.23	09/29/08	0	0.5	0.800	0.8	U	0.800	0.8	U	0.400	0.4	U	0.370	0.2	=	0.270	0.2	=	0.350	0.2	=
IAAP111718	IAAP111718	691963.19	92305.45	09/29/08	0	0.5	0.720	0.72	U	0.720	0.72	U	0.360	0.36	U	0.180	0.18	U	0.180	0.18	U	0.180	0.18	U
IAAP96965	IAAP111626	691993.8	93029.94	09/24/08	1	2	0.700	0.7	U	0.700	0.7	U	0.350	0.35	U	0.170	0.17	U	0.170	0.17	U	0.170	0.17	U
IAAP96967	IAAP111623	691937	93039	09/25/08	2	3	0.750	0.75	U	0.750	0.75	U	0.380	0.38	U	0.190	0.19	U	0.190	0.19	U	0.190	0.19	U
IAAP96967	IAAP111624	691937	93039	09/25/08	3	4	0.750	0.75	U	0.750	0.75	U	0.380	0.38	U	0.190	0.19	U	0.190	0.19	U	0.190	0.19	U
IAAP96990	IAAP105973	691858.09	92325.86	10/16/07	1	1.5	11.000	2.8	J	5.700	5.7	UJ	0.970	1.4	J	2.000	0.71	J	3.000	0.71	J	3.300	0.71	J
IAAP96990	IAAP111697	691858.09	92325.86	09/30/08	2	3	0.760	0.76	U	0.760	0.76	U	0.380	0.38	U	0.190	0.19	U	0.190	0.19	U	0.190	0.19	U
IAAP96996	IAAP105972	COMPOSITE	COMPOSITE	10/16/07	1	2	13.000	0.7	J	1.400	1.4	UJ	1.000	1.4	J	2.500	0.17	J	2.600	0.17	J	2.700	0.17	J
IAAP96996	IAAP111691	COMPOSITE	COMPOSITE	09/30/08	2	3	0.800	0.8	U	0.800	0.8	U	0.400	0.4	U	0.200	0.2	U	0.200	0.2	U	0.200	0.2	U
IAAP96999	IAAP111612	691782.57	93178.79	09/25/08	1	2	0.750	0.75	U	0.750	0.75	U	0.370	0.37	U	0.190	0.19	U	0.190	0.19	U	0.190	0.19	U

Table B-1-2. FUSRAP Post-Excavation Soil Characterization Data Remaining for Polynuclear Aromatic Hydrocarbons at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	Acenaphthene			Acenaphthylene			Anthracene			Benzo(a)anthracene			Benzo(a)pyrene			Benzo(b)fluoranthene					
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:							45,000	---	---	---	---	---	230,000	---	---	2,100	---	---	210	---	---	2,100	---	---	---		
<i>Eco CC</i> ^c :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
IAAP97049	IAAP111717	691998	92245	09/29/08	2	3	0.760	0.76	U	0.760	0.76	U	0.170	0.38	J	0.310	0.19	=	0.320	0.19	=	0.310	0.19	=			
SVP111887	IAAP111619	863087.71	1068037.37	09/25/08	0	0.5	0.620	0.62	U	0.620	0.62	U	0.310	0.31	U	0.150	0.15	U	0.150	0.15	U	0.150	0.15	U			
Maximum Reported Concentration (Detects and Non-Detects):							29.000	---	J	7.000	---	UJ	3.500	---	U	11.000	---	=	14.000	---	=	19.000	---	=	---		
Maximum Detected Concentration:							29.000	---	J	NA	---	---	NA	---	---	11.000	---	=	14.000	---	=	19.000	---	=	---		
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0):							---	---	---	---	---	---	---	---	---	1	---	---	10	---	---	1	---	---	---		
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection):							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Number of Sample Results Greater than USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0):							0	---	---	---	---	---	0	---	---	0	---	---	0	---	---	0	---	---	0	---	---
Number of Sample Results Greater than Eco CC:							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

^a Gray-shaded concentrations exceed the corresponding IAAAP OU-1 ROD RGs protective of an industrial worker ingesting soil (Harza 1998).

^b Concentrations in **bold** exceed the corresponding RSLs (USEPA 2018a) protective of an industrial worker exposed to soil via ingestion, dermal contact, and dust inhalation.

^c Concentrations in *italics* exceed the corresponding Eco CCs calculated for Line 1.

Notes:

"---" Indicates that there is no comparison value available.

All results and comparison values are in mg/kg.

NA - Maximum detected result is not available because all results reported for the parameter are non-detect.

VQ symbols indicate: "=" positive identification, positive quantitation, no reason to estimate,

"U" non-detect, no reason to estimate, "J" positive identification, estimated quantitation,

"UJ" analyte was not detected and had QC deficiencies.

Table B-1-2. FUSRAP Post-Excavation Soil Characterization Data Remaining for Polynuc Aromatic Hydrocarbons at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	Benzo(g,h,i)perylene			Benzo(k)fluoranthene			Chrysene			Dibenzo(a,h)anthracene			Fluoranthene			Fluorene		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:							---	---	---	21,000	---	---	210,000	---	---	210	---	---	30,000	---	---	30,000	---	---
<i>Eco CC^c:</i>							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
IAAP100000	IAAP100000	691723.44	93385.79	03/28/07	0	0.5																		
IAAP100000	IAAP100001	691723.44	93385.79	03/28/07	0.5	1																		
IAAP100000	IAAP100112	691723.44	93385.79	03/28/07	1	1.5																		
IAAP100002	IAAP100002	691726.92	93376.03	03/28/07	0	0.5																		
IAAP100002	IAAP100003	691726.92	93376.03	03/28/07	0.5	1																		
IAAP100002	IAAP100113	691726.92	93376.03	03/28/07	1	1.5																		
IAAP100004	IAAP100004	691732.81	93366.73	03/28/07	0	0.5																		
IAAP100004	IAAP100005	691732.81	93366.73	03/28/07	0.5	1																		
IAAP100004	IAAP100114	691732.81	93366.73	03/28/07	1	1.5																		
IAAP100006	IAAP100006	691735.81	93358.42	03/28/07	0	0.5																		
IAAP100006	IAAP100007	691735.81	93358.42	03/28/07	0.5	1																		
IAAP100006	IAAP100115	691735.81	93358.42	03/28/07	1	1.5																		
IAAP100008	IAAP100008	691739.66	93346.54	03/28/07	0	0.5																		
IAAP100008	IAAP100009	691739.66	93346.54	03/28/07	0.5	1																		
IAAP100008	IAAP100116	691739.66	93346.54	03/28/07	1	1.5																		
IAAP100018	IAAP111613	691799.22	93143.77	09/25/08	1	2	0.380	0.38	U	0.190	0.19	U	0.190	0.19	U	0.380	0.38	U	0.380	0.38	U	0.380	0.38	U
IAAP100018	IAAP111614	691799.22	93143.77	09/25/08	2	3	0.370	0.37	U	0.190	0.19	U	0.190	0.19	U	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U
IAAP100019	IAAP100019	691680.5	93483.59	04/03/07	0	1																		
IAAP100019	IAAP100020	691680.5	93483.59	04/03/07	1	2																		
IAAP100019	IAAP100021	691680.5	93483.59	04/03/07	2	3																		
IAAP100022	IAAP100022	691683.23	93484.22	04/03/07	0	1																		
IAAP100022	IAAP100023	691683.23	93484.22	04/03/07	1	2																		
IAAP100022	IAAP100024	691683.23	93484.22	04/03/07	2	3																		
IAAP100025	IAAP100025	691680.01	93480.46	04/03/07	0	1																		
IAAP100025	IAAP100026	691680.01	93480.46	04/03/07	1	2																		
IAAP100025	IAAP100027	691680.01	93480.46	04/03/07	2	3																		
IAAP100028	IAAP100028	691677.83	93485.11	04/03/07	0	1																		
IAAP100028	IAAP100029	691677.83	93485.11	04/03/07	1	2																		
IAAP100028	IAAP100030	691677.83	93485.11	04/03/07	2	3																		
IAAP100036	IAAP100036	691949.6	92924.92	03/23/07	0	0.5																		
IAAP100120	IAAP105958	691892.27	92915.15	10/16/07	1	2	4.000	1.4	J	2.600	0.7	J	6.200	0.7	J	7.700	1.4	J	20.000	1.4	J	1.400	1.4	UJ
IAAP103897	IAAP103897	691685.15	93479.02	05/31/07	0	0.5																		
IAAP103898	IAAP103898	691678.01	93476.19	05/31/07	0	0.5																		
IAAP103899	IAAP103899	691670.59	93479.71	05/31/07	0	0.5																		
IAAP103900	IAAP103900	691723.57	93391.67	05/29/07	0	0.5																		
IAAP103900	IAAP103901	691723.57	93391.67	05/29/07	0.5	1																		

Table B-1-2. FUSRAP Post-Excavation Soil Characterization Data Remaining for Polynuc Aromatic Hydrocarbons at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	Benzo(g,h,i)perylene			Benzo(k)fluoranthene			Chrysene			Dibenzo(a,h)anthracene			Fluoranthene			Fluorene		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:							---	---	---	21,000	---	---	210,000	---	---	210	---	---	30,000	---	---	30,000	---	---
<i>Eco CC^c:</i>							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
IAAP103900	IAAP103902	691723.57	93391.67	05/29/07	1	1.5																		
IAAP103900	IAAP103903	691723.57	93391.67	05/29/07	1.5	2																		
IAAP103904	IAAP103904	691713.05	93388.24	05/29/07	0	0.5																		
IAAP103904	IAAP103905	691713.05	93388.24	05/29/07	0.5	1																		
IAAP103904	IAAP103906	691713.05	93388.24	05/29/07	1	1.5																		
IAAP103904	IAAP103907	691713.05	93388.24	05/29/07	1.5	2																		
IAAP105934	IAAP105934	691764.49	93233.23	10/15/07	0	0.5	0.390	0.39	UJ	0.170	0.19	J	0.610	0.19	J	0.390	0.39	UJ	1.900	0.39	J	0.390	0.39	UJ
IAAP105935	IAAP105935	691761.5	93225.33	10/15/07	0	0.5	0.037	0.037	UJ	0.018	0.018	UJ	0.026	0.018	J	0.037	0.037	UJ	0.076	0.037	J	0.037	0.037	UJ
IAAP105945	IAAP105945	691880.77	93019.54	10/16/07	0	0.5	0.180	0.37	J	0.180	0.19	J	0.300	0.19	J	0.120	0.37	J	0.790	0.37	J	0.370	0.37	UJ
IAAP105947	IAAP105947	691864.8	93022.31	10/16/07	0	0.5	0.150	0.35	=	0.090	0.17	=	0.210	0.17	=	0.350	0.35	=	0.590	0.35	=	0.350	0.35	=
IAAP105949	IAAP105949	691890.34	92921.63	10/16/07	0	0.5	0.280	0.35	=	0.300	0.18	=	0.720	0.18	=	0.380	0.35	=	1.900	0.35	=	0.350	0.35	=
IAAP105950	IAAP105950	691896.21	92907.01	10/16/07	0	0.5	0.310	0.37	=	0.240	0.19	=	0.580	0.19	=	0.370	0.37	=	1.600	0.37	=	0.038	0.37	=
IAAP105952	IAAP105952	691640.42	92914.03	10/15/07	0	0.5	0.270	0.36	J	0.220	0.18	J	0.560	0.18	J	0.490	0.36	J	1.300	0.36	J	0.360	0.36	UJ
IAAP105953	IAAP105953	691656	92866.26	10/15/07	0	0.5	0.240	0.36	J	0.200	0.18	J	0.450	0.18	J	0.360	0.36	UJ	1.300	0.36	J	0.360	0.36	UJ
IAAP105954	IAAP105954	691673.56	92860.79	10/15/07	0	0.5	0.440	0.38	J	0.360	0.19	J	0.810	0.19	J	0.740	0.38	J	2.500	0.38	J	0.110	0.38	J
IAAP105955	IAAP105955	691683.35	92865.75	10/15/07	0	0.5	0.200	0.37	J	0.085	0.19	J	0.250	0.19	J	0.370	0.37	UJ	0.740	0.37	J	0.370	0.37	UJ
IAAP105956	IAAP105956	691883	92986.59	10/16/07	0	0.5	0.200	0.32	J	0.180	0.16	J	0.360	0.16	J	0.350	0.32	J	0.930	0.32	J	0.320	0.32	UJ
IAAP105967	IAAP105967	691807.5	92472.8	10/16/07	0	0.5	0.032	0.032	UJ	0.016	0.016	UJ	0.051	0.016	J	0.032	0.032	UJ	0.130	0.032	J	0.032	0.032	UJ
IAAP105968	IAAP105968	691901.37	92321.65	10/16/07	0	0.5	1.300	1.4	J	1.900	0.68	J	4.500	0.68	J	3.100	1.4	J	13.000	1.4	J	1.400	1.4	UJ
IAAP105969	IAAP105969	691889.48	92362.42	10/16/07	0	0.5	1.600	1.4	J	2.400	0.68	J	5.900	0.68	J	3.700	1.4	J	17.000	1.4	J	0.840	1.4	J
IAAP105971	IAAP105971	691848.4	92323.9	10/16/07	0	0.5	0.330	0.67	J	0.440	0.33	J	0.880	0.33	J	0.310	0.67	J	2.200	0.67	J	0.170	0.67	J
IAAP105974	IAAP105974	692005.45	92246.33	10/17/07	0	0.5	0.220	0.36	J	0.250	0.18	J	0.610	0.18	J	0.410	0.36	J	1.700	0.36	J	0.360	0.36	UJ
IAAP105975	IAAP105975	691991	92244	10/17/07	0	0.5	0.670	0.67	UJ	0.092	0.33	J	0.290	0.33	J	0.670	0.67	UJ	0.710	0.67	J	0.670	0.67	UJ
IAAP105976	IAAP105976	692001.86	92235.87	10/17/07	0	0.5	0.290	1.4	J	0.310	0.71	J	0.760	0.71	J	0.430	1.4	J	2.400	1.4	J	1.400	1.4	J
IAAP105977	IAAP105977	691975.1	92313.08	10/17/07	0	0.5	0.082	0.36	J	0.140	0.18	J	0.270	0.18	J	0.140	0.36	J	0.710	0.36	J	0.360	0.36	UJ
IAAP105978	IAAP105978	691968.4	92315.09	10/17/07	0	0.5	1.900	1.3	J	2.900	0.65	J	6.200	0.65	J	4.900	1.3	J	20.000	1.3	J	0.950	1.3	J
IAAP105978	IAAP111715	691968.4	92315.09	09/29/08	1	1.5	0.360	0.36	U	0.180	0.18	U	0.180	0.18	U	0.360	0.36	U	0.260	0.36	J	0.360	0.36	U
IAAP105979	IAAP105979	691972	92302.87	10/17/07	0	0.5	0.320	0.35	J	0.430	0.18	J	0.990	0.18	J	0.320	0.35	J	2.300	0.35	J	0.350	0.35	UJ
IAAP111611	IAAP111611	691778.8	93204.6	09/25/08	0	0.5	0.310	0.31	U	0.150	0.15	U	0.150	0.15	U	0.310	0.31	U	0.310	0.31	U	0.310	0.31	U
IAAP111615	IAAP111615	691804.07	93129.37	09/25/08	0	0.5	0.320	0.32	U	0.160	0.16	U	0.160	0.16	U	0.320	0.32	U	0.320	0.32	U	0.320	0.32	U
IAAP111615	IAAP111616	691804.07	93129.37	09/25/08	1	2	0.380	0.38	U	0.190	0.19	U	0.190	0.19	U	0.380	0.38	U	0.380	0.38	U	0.380	0.38	U
IAAP111615	IAAP111617	691804.07	93129.37	09/25/08	2	3	0.380	0.38	U	0.190	0.19	U	0.190	0.19	U	0.380	0.38	U	0.380	0.38	U	0.380	0.38	U
IAAP111615	IAAP111618	691804.07	93129.37	09/25/08	3	4	0.390	0.39	U	0.190	0.19	U	0.190	0.19	U	0.390	0.39	U	0.390	0.39	U	0.390	0.39	U
IAAP111621	IAAP111621	691918.06	93043.38	09/25/08	0	0.5	0.370	0.37	U	0.180	0.18	U	0.180	0.18	U	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U
IAAP111627	IAAP111627	691996.16	93028.25	09/24/08	0	0.5	0.350	0.35	U	0.170	0.17	U	0.170	0.17	U	0.350	0.35	U	0.350	0.35	U	0.350	0.35	U
IAAP111629	IAAP111629	691991.05	93032.64	09/24/08	1	2.5	0.310	0.31	U	0.150	0.15	U	0.150	0.15	U	0.310	0.31	U	0.310	0.31	U	0.310	0.31	U

Table B-1-2. FUSRAP Post-Excavation Soil Characterization Data Remaining for Polynuc Aromatic Hydrocarbons at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	Benzo(g,h,i)perylene			Benzo(k)fluoranthene			Chrysene			Dibenzo(a,h)anthracene			Fluoranthene			Fluorene		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:							---	---	---	21,000	---	---	210,000	---	---	210	---	---	30,000	---	---	30,000	---	---
<i>Eco CC^c:</i>							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
IAAP111636	IAAP111636	691868.18	93036.89	09/24/08	0	0.5	0.410	0.41	U	0.200	0.2	U	0.250	0.2	=	0.410	0.41	U	0.740	0.41	=	0.410	0.41	U
IAAP111658	IAAP111658	691646.63	92930.64	09/25/08	0	0.5	0.360	0.75	J	0.270	0.38	J	0.510	0.38	=	0.750	0.75	U	1.500	0.75	=	0.750	0.75	U
IAAP111659	IAAP111659	691646.44	92915.12	09/24/08	0	0.5	7.500	3.5	=	9.100	1.7	=	17.000	1.7	=	3.500	3.5	U	42.000	3.5	=	3.500	3.5	U
IAAP111660	IAAP111660	691663.04	92866.98	09/25/08	0	0.5	1.700	1.7	=	1.900	0.85	=	2.900	0.85	=	1.700	1.7	U	4.300	1.7	=	1.700	1.7	U
IAAP111686	IAAP111686	691806.97	92486.81	09/30/08	0	0.5	0.320	0.32	U	0.160	0.16	U	0.160	0.16	U	0.320	0.32	U	0.320	0.32	U	0.320	0.32	U
IAAP111689	IAAP111689	691886.17	92369.49	09/30/08	0	1	0.970	0.66	=	0.760	0.33	=	1.400	0.33	=	0.660	0.66	U	3.800	0.66	=	0.660	0.66	U
IAAP111689	IAAP111690	691886.17	92369.49	09/30/08	1	1.5	0.320	0.32	U	0.160	0.16	U	0.160	0.16	U	0.320	0.32	U	0.320	0.32	U	0.320	0.32	U
IAAP111692	IAAP111692	691905.64	92309.6	09/30/08	0	1	0.370	0.37	U	0.190	0.19	U	0.190	0.19	U	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U
IAAP111692	IAAP111693	691905.64	92309.6	09/30/08	1	2	0.370	0.37	U	0.190	0.19	U	0.190	0.19	U	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U
IAAP111695	IAAP111695	691858.74	92336.3	09/30/08	0	1	0.370	0.37	U	0.180	0.18	U	0.180	0.18	U	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U
IAAP111695	IAAP111696	691858.74	92336.3	09/30/08	1	2	0.350	0.35	U	0.180	0.18	U	0.180	0.18	U	0.350	0.35	U	0.350	0.35	U	0.350	0.35	U
IAAP111698	IAAP111698	691854.38	92324.52	09/30/08	0	1	0.360	0.36	U	0.180	0.18	U	0.180	0.18	U	0.360	0.36	U	0.280	0.36	J	0.360	0.36	U
IAAP111698	IAAP111699	691854.38	92324.52	09/30/08	1	2	0.370	0.37	U	0.180	0.18	U	0.180	0.18	U	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U
IAAP111700	IAAP111700	691864.29	92311.18	09/30/08	0	1	0.240	0.36	J	0.180	0.18	U	0.320	0.18	=	0.360	0.36	U	0.630	0.36	=	0.360	0.36	U
IAAP111700	IAAP111701	691864.29	92311.18	09/30/08	1	2	0.380	0.38	U	0.190	0.19	U	0.190	0.19	U	0.380	0.38	U	0.380	0.38	U	0.380	0.38	U
IAAP111702	IAAP111702	691852.37	92314.5	09/30/08	0	1	0.350	0.35	U	0.170	0.17	U	0.220	0.17	=	0.350	0.35	U	0.520	0.35	=	0.350	0.35	U
IAAP111702	IAAP111703	691852.37	92314.5	09/30/08	1	2	0.360	0.36	U	0.180	0.18	U	0.180	0.18	U	0.360	0.36	U	0.360	0.36	U	0.360	0.36	U
IAAP111713	IAAP111713	691978.43	92321.69	09/29/08	0	0.5	0.390	0.39	U	0.190	0.19	U	0.190	0.19	U	0.390	0.39	U	0.280	0.39	J	0.390	0.39	U
IAAP111716	IAAP111716	691968.14	92290.23	09/29/08	0	0.5	0.400	0.4	U	0.200	0.2	U	0.370	0.2	=	0.400	0.4	U	1.000	0.4	=	0.400	0.4	U
IAAP111718	IAAP111718	691963.19	92305.45	09/29/08	0	0.5	0.360	0.36	U	0.180	0.18	U	0.180	0.18	U	0.360	0.36	U	0.360	0.36	U	0.360	0.36	U
IAAP96965	IAAP111626	691993.8	93029.94	09/24/08	1	2	0.350	0.35	U	0.170	0.17	U	0.170	0.17	U	0.350	0.35	U	0.350	0.35	U	0.350	0.35	U
IAAP96967	IAAP111623	691937	93039	09/25/08	2	3	0.380	0.38	U	0.190	0.19	U	0.190	0.19	U	0.380	0.38	U	0.380	0.38	U	0.380	0.38	U
IAAP96967	IAAP111624	691937	93039	09/25/08	3	4	0.380	0.38	U	0.190	0.19	U	0.190	0.19	U	0.380	0.38	U	0.380	0.38	U	0.380	0.38	U
IAAP96990	IAAP105973	691858.09	92325.86	10/16/07	1	1.5	1.800	1.4	J	1.300	0.71	J	3.300	0.71	J	3.100	1.4	J	8.300	1.4	J	0.350	1.4	J
IAAP96990	IAAP111697	691858.09	92325.86	09/30/08	2	3	0.380	0.38	U	0.190	0.19	U	0.190	0.19	U	0.380	0.38	U	0.380	0.38	U	0.380	0.38	U
IAAP96996	IAAP105972	COMPOSITE	COMPOSITE	10/16/07	1	2	1.100	0.35	J	1.300	0.17	J	3.300	0.17	J	1.800	0.35	J	9.100	1.4	J	0.320	0.35	J
IAAP96996	IAAP111691	COMPOSITE	COMPOSITE	09/30/08	2	3	0.400	0.4	U	0.200	0.2	U	0.200	0.2	U	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U
IAAP96999	IAAP111612	691782.57	93178.79	09/25/08	1	2	0.370	0.37	U	0.190	0.19	U	0.190	0.19	U	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U

Table B-1-2. FUSRAP Post-Excavation Soil Characterization Data Remaining for Polynuc Aromatic Hydrocarbons at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	Benzo(g,h,i)perylene			Benzo(k)fluoranthene			Chrysene			Dibenzo(a,h)anthracene			Fluoranthene			Fluorene			
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:							---	---	---	21,000	---	---	210,000	---	---	210	---	---	30,000	---	---	30,000	---	---	
<i>Eco CC</i> ^c :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
IAAP97049	IAAP111717	691998	92245	09/29/08	2	3	0.380	0.38	U	0.190	0.19	U	0.300	0.19	=	0.380	0.38	U	0.900	0.38	=	0.380	0.38	U	
SVP111887	IAAP111619	863087.71	1068037.37	09/25/08	0	0.5	0.310	0.31	U	0.150	0.15	U	0.150	0.15	U	0.310	0.31	U	0.310	0.31	U	0.310	0.31	U	
Maximum Reported Concentration (Detects and Non-Detects):							7.500	---	=	9.100	---	=	17.000	---	=	7.700	---	J	42.000	---	=	3.500	---	U	
Maximum Detected Concentration:							7.500	---	=	9.100	---	=	17.000	---	=	7.700	---	J	42.000	---	=	0.350	---	=	
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0):							---	---	---	---	---	---	---	---	---	---	8	---	---	---	---	---	---	---	---
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection):							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Number of Sample Results Greater than USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0):							---	---	---	0	---	---	0	---	---	0	---	---	0	---	---	0	---	---	---
Number of Sample Results Greater than Eco CC:							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

^a Gray-shaded concentrations exceed the corresponding IAAAP OU-1 ROD RGs protective of an industrial worker ingesting soil (Harza 1998).

^b Concentrations in **bold** exceed the corresponding RSLs (USEPA 2018a) protective of an industrial worker exposed to soil via ingestion, dermal contact, and dust inhalation.

^c Concentrations in *italics* exceed the corresponding Eco CCs calculated for Line 1.

Notes:

"---" Indicates that there is no comparison value available.

All results and comparison values are in mg/kg.

NA - Maximum detected result is not available because all results reported for the parameter are non-detect.

VQ symbols indicate: "=" positive identification, positive quantitation, no reason to estimate,

"U" non-detect, no reason to estimate, "J" positive identification, estimated quantitation,

"UJ" analyte was not detected and had QC deficiencies.

Table B-1-2. FUSRAP Post-Excavation Soil Characterization Data Remaining for Polynuc Aromatic Hydrocarbons at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	Indeno(1,2,3-cd)pyrene			Naphthalene			Phenanthrene			Pyrene			
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:							2,100	---	---	17	---	---	---	---	---	23,000	---	---	
<i>Eco CC^c:</i>							---	---	---	---	---	---	---	---	---	---	---	---	---
IAAP100000	IAAP100000	691723.44	93385.79	03/28/07	0	0.5													
IAAP100000	IAAP100001	691723.44	93385.79	03/28/07	0.5	1													
IAAP100000	IAAP100112	691723.44	93385.79	03/28/07	1	1.5													
IAAP100002	IAAP100002	691726.92	93376.03	03/28/07	0	0.5													
IAAP100002	IAAP100003	691726.92	93376.03	03/28/07	0.5	1													
IAAP100002	IAAP100113	691726.92	93376.03	03/28/07	1	1.5													
IAAP100004	IAAP100004	691732.81	93366.73	03/28/07	0	0.5													
IAAP100004	IAAP100005	691732.81	93366.73	03/28/07	0.5	1													
IAAP100004	IAAP100114	691732.81	93366.73	03/28/07	1	1.5													
IAAP100006	IAAP100006	691735.81	93358.42	03/28/07	0	0.5													
IAAP100006	IAAP100007	691735.81	93358.42	03/28/07	0.5	1													
IAAP100006	IAAP100115	691735.81	93358.42	03/28/07	1	1.5													
IAAP100008	IAAP100008	691739.66	93346.54	03/28/07	0	0.5													
IAAP100008	IAAP100009	691739.66	93346.54	03/28/07	0.5	1													
IAAP100008	IAAP100116	691739.66	93346.54	03/28/07	1	1.5													
IAAP100018	IAAP111613	691799.22	93143.77	09/25/08	1	2	0.190	0.19	U	0.630	0.63	U	0.380	0.38	U	0.380	0.38	U	
IAAP100018	IAAP111614	691799.22	93143.77	09/25/08	2	3	0.190	0.19	U	0.620	0.62	U	0.370	0.37	U	0.370	0.37	U	
IAAP100019	IAAP100019	691680.5	93483.59	04/03/07	0	1													
IAAP100019	IAAP100020	691680.5	93483.59	04/03/07	1	2													
IAAP100019	IAAP100021	691680.5	93483.59	04/03/07	2	3													
IAAP100022	IAAP100022	691683.23	93484.22	04/03/07	0	1													
IAAP100022	IAAP100023	691683.23	93484.22	04/03/07	1	2													
IAAP100022	IAAP100024	691683.23	93484.22	04/03/07	2	3													
IAAP100025	IAAP100025	691680.01	93480.46	04/03/07	0	1													
IAAP100025	IAAP100026	691680.01	93480.46	04/03/07	1	2													
IAAP100025	IAAP100027	691680.01	93480.46	04/03/07	2	3													
IAAP100028	IAAP100028	691677.83	93485.11	04/03/07	0	1													
IAAP100028	IAAP100029	691677.83	93485.11	04/03/07	1	2													
IAAP100028	IAAP100030	691677.83	93485.11	04/03/07	2	3													
IAAP100036	IAAP100036	691949.6	92924.92	03/23/07	0	0.5													
IAAP100120	IAAP105958	691892.27	92915.15	10/16/07	1	2	4.200	0.7	J	18.000	0.47	J	9.900	1.4	J	15.000	1.4	J	
IAAP103897	IAAP103897	691685.15	93479.02	05/31/07	0	0.5													
IAAP103898	IAAP103898	691678.01	93476.19	05/31/07	0	0.5													
IAAP103899	IAAP103899	691670.59	93479.71	05/31/07	0	0.5													
IAAP103900	IAAP103900	691723.57	93391.67	05/29/07	0	0.5													
IAAP103900	IAAP103901	691723.57	93391.67	05/29/07	0.5	1													

Table B-1-2. FUSRAP Post-Excavation Soil Characterization Data Remaining for Polynuc Aromatic Hydrocarbons at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	Indeno(1,2,3-cd)pyrene			Naphthalene			Phenanthrene			Pyrene			
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:							2,100	---	---	17	---	---	---	---	---	23,000	---	---	
<i>Eco CC^c:</i>							---	---	---	---	---	---	---	---	---	---	---	---	
IAAP103900	IAAP103902	691723.57	93391.67	05/29/07	1	1.5													
IAAP103900	IAAP103903	691723.57	93391.67	05/29/07	1.5	2													
IAAP103904	IAAP103904	691713.05	93388.24	05/29/07	0	0.5													
IAAP103904	IAAP103905	691713.05	93388.24	05/29/07	0.5	1													
IAAP103904	IAAP103906	691713.05	93388.24	05/29/07	1	1.5													
IAAP103904	IAAP103907	691713.05	93388.24	05/29/07	1.5	2													
IAAP105934	IAAP105934	691764.49	93233.23	10/15/07	0	0.5	0.130	0.19	J	1.500	0.13	J	0.420	0.39	J	1.300	0.39	J	
IAAP105935	IAAP105935	691761.5	93225.33	10/15/07	0	0.5	0.018	0.018	UJ	0.083	0.012	J	0.037	0.037	UJ	0.065	0.037	J	
IAAP105945	IAAP105945	691880.77	93019.54	10/16/07	0	0.5	0.200	0.19	J	0.530	0.12	J	0.440	0.37	J	0.860	0.37	J	
IAAP105947	IAAP105947	691864.8	93022.31	10/16/07	0	0.5	0.170	0.17	=	0.330	0.12	=	0.260	0.35	=	0.550	0.35	=	
IAAP105949	IAAP105949	691890.34	92921.63	10/16/07	0	0.5	0.460	0.18	=	1.000	0.12	=	0.750	0.35	=	1.700	0.35	=	
IAAP105950	IAAP105950	691896.21	92907.01	10/16/07	0	0.5	0.420	0.19	=	0.760	0.12	=	0.580	0.37	=	1.400	0.37	=	
IAAP105952	IAAP105952	691640.42	92914.03	10/15/07	0	0.5	0.340	0.18	J	0.750	0.12	J	0.490	0.36	J	1.200	0.36	J	
IAAP105953	IAAP105953	691656	92866.26	10/15/07	0	0.5	0.260	0.18	J	0.750	0.12	J	0.650	0.36	J	1.200	0.36	J	
IAAP105954	IAAP105954	691673.56	92860.79	10/15/07	0	0.5	0.520	0.19	J	2.200	0.13	J	1.500	0.38	J	2.200	0.38	J	
IAAP105955	IAAP105955	691683.35	92865.75	10/15/07	0	0.5	0.170	0.19	J	0.440	0.12	J	0.330	0.37	J	0.690	0.37	J	
IAAP105956	IAAP105956	691883	92986.59	10/16/07	0	0.5	0.340	0.16	J	1.700	0.11	J	0.450	0.32	J	0.760	0.32	J	
IAAP105967	IAAP105967	691807.5	92472.8	10/16/07	0	0.5	0.016	0.016	UJ	0.011	0.011	U	0.032	0.032	U	0.083	0.032	J	
IAAP105968	IAAP105968	691901.37	92321.65	10/16/07	0	0.5	2.100	0.68	J	14.000	0.45	J	7.700	1.4	J	12.000	1.4	J	
IAAP105969	IAAP105969	691889.48	92362.42	10/16/07	0	0.5	3.200	0.68	J	18.000	0.45	J	8.100	1.4	J	14.000	1.4	J	
IAAP105971	IAAP105971	691848.4	92323.9	10/16/07	0	0.5	0.390	0.33	J	1.400	0.22	J	0.560	0.67	J	1.900	0.67	J	
IAAP105974	IAAP105974	692005.45	92246.33	10/17/07	0	0.5	0.420	0.18	J	1.200	0.12	J	0.770	0.36	J	1.500	0.36	J	
IAAP105975	IAAP105975	691991	92244	10/17/07	0	0.5	0.210	0.33	J	0.750	0.22	J	0.380	0.67	J	0.650	0.67	J	
IAAP105976	IAAP105976	692001.86	92235.87	10/17/07	0	0.5	0.440	0.71	J	2.200	0.47	J	1.300	1.4	J	2.100	1.4	J	
IAAP105977	IAAP105977	691975.1	92313.08	10/17/07	0	0.5	0.160	0.18	J	0.570	0.12	J	0.270	0.36	J	0.520	0.36	J	
IAAP105978	IAAP105978	691968.4	92315.09	10/17/07	0	0.5	3.200	0.65	J	16.000	0.43	J	9.900	1.3	J	18.000	3.3	J	
IAAP105978	IAAP111715	691968.4	92315.09	09/29/08	1	1.5	0.180	0.18	U	0.600	0.6	U	0.360	0.36	U	0.270	0.36	J	
IAAP105979	IAAP105979	691972	92302.87	10/17/07	0	0.5	0.570	0.18	J	1.100	0.12	J	0.730	0.35	J	2.100	0.35	J	
IAAP111611	IAAP111611	691778.8	93204.6	09/25/08	0	0.5	0.150	0.15	U	0.520	0.52	U	0.310	0.31	U	0.310	0.31	U	
IAAP111615	IAAP111615	691804.07	93129.37	09/25/08	0	0.5	0.160	0.16	U	0.530	0.53	U	0.320	0.32	U	0.320	0.32	U	
IAAP111615	IAAP111616	691804.07	93129.37	09/25/08	1	2	0.190	0.19	U	0.630	0.63	U	0.380	0.38	U	0.380	0.38	U	
IAAP111615	IAAP111617	691804.07	93129.37	09/25/08	2	3	0.190	0.19	U	0.630	0.63	U	0.380	0.38	U	0.380	0.38	U	
IAAP111615	IAAP111618	691804.07	93129.37	09/25/08	3	4	0.190	0.19	U	0.640	0.64	U	0.390	0.39	U	0.390	0.39	U	
IAAP111621	IAAP111621	691918.06	93043.38	09/25/08	0	0.5	0.180	0.18	U	0.620	0.62	U	0.370	0.37	U	0.370	0.37	U	
IAAP111627	IAAP111627	691996.16	93028.25	09/24/08	0	0.5	0.170	0.17	U	0.580	0.58	U	0.350	0.35	U	0.350	0.35	U	
IAAP111629	IAAP111629	691991.05	93032.64	09/24/08	1	2.5	0.150	0.15	U	0.520	0.52	U	0.310	0.31	U	0.310	0.31	U	

Table B-1-2. FUSRAP Post-Excavation Soil Characterization Data Remaining for Polynuc Aromatic Hydrocarbons at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	Indeno(1,2,3-cd)pyrene			Naphthalene			Phenanthrene			Pyrene		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							---	---	---	---	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:							2,100	---	---	17	---	---	---	---	---	23,000	---	---
<i>Eco CC^c:</i>							---	---	---	---	---	---	---	---	---	---	---	---
IAAP111636	IAAP111636	691868.18	93036.89	09/24/08	0	0.5	0.210	0.2	=	0.680	0.68	U	0.410	0.41	U	0.770	0.41	=
IAAP111658	IAAP111658	691646.63	92930.64	09/25/08	0	0.5	0.410	0.38	=	1.200	1.2	U	0.860	0.75	=	1.500	0.75	=
IAAP111659	IAAP111659	691646.44	92915.12	09/24/08	0	0.5	9.600	1.7	=	5.800	5.8	U	15.000	3.5	=	48.000	7	=
IAAP111660	IAAP111660	691663.04	92866.98	09/25/08	0	0.5	2.000	0.85	=	2.800	2.8	U	1.000	1.7	J	4.800	1.7	=
IAAP111686	IAAP111686	691806.97	92486.81	09/30/08	0	0.5	0.160	0.16	U	0.540	0.54	U	0.320	0.32	U	0.320	0.32	U
IAAP111689	IAAP111689	691886.17	92369.49	09/30/08	0	1	1.200	0.33	=	1.100	1.1	U	2.400	0.66	=	4.100	0.66	=
IAAP111689	IAAP111690	691886.17	92369.49	09/30/08	1	1.5	0.160	0.16	U	0.540	0.54	U	0.320	0.32	U	0.320	0.32	U
IAAP111692	IAAP111692	691905.64	92309.6	09/30/08	0	1	0.190	0.19	U	0.620	0.62	U	0.370	0.37	U	0.370	0.37	U
IAAP111692	IAAP111693	691905.64	92309.6	09/30/08	1	2	0.190	0.19	U	0.620	0.62	U	0.370	0.37	U	0.370	0.37	U
IAAP111695	IAAP111695	691858.74	92336.3	09/30/08	0	1	0.180	0.18	U	0.610	0.61	U	0.370	0.37	U	0.370	0.37	U
IAAP111695	IAAP111696	691858.74	92336.3	09/30/08	1	2	0.180	0.18	U	0.590	0.59	U	0.350	0.35	U	0.350	0.35	U
IAAP111698	IAAP111698	691854.38	92324.52	09/30/08	0	1	0.180	0.18	U	0.590	0.59	U	0.360	0.36	U	0.280	0.36	J
IAAP111698	IAAP111699	691854.38	92324.52	09/30/08	1	2	0.180	0.18	U	0.610	0.61	U	0.370	0.37	U	0.370	0.37	U
IAAP111700	IAAP111700	691864.29	92311.18	09/30/08	0	1	0.290	0.18	=	0.610	0.61	U	0.360	0.36	U	0.650	0.36	=
IAAP111700	IAAP111701	691864.29	92311.18	09/30/08	1	2	0.190	0.19	U	0.620	0.62	U	0.380	0.38	U	0.380	0.38	U
IAAP111702	IAAP111702	691852.37	92314.5	09/30/08	0	1	0.170	0.17	U	0.580	0.58	U	0.220	0.35	J	0.560	0.35	=
IAAP111702	IAAP111703	691852.37	92314.5	09/30/08	1	2	0.180	0.18	U	0.600	0.6	U	0.360	0.36	U	0.360	0.36	U
IAAP111713	IAAP111713	691978.43	92321.69	09/29/08	0	0.5	0.190	0.19	U	0.650	0.65	U	0.390	0.39	U	0.300	0.39	J
IAAP111716	IAAP111716	691968.14	92290.23	09/29/08	0	0.5	0.200	0.2	U	0.660	0.66	U	0.680	0.4	=	1.100	0.4	=
IAAP111718	IAAP111718	691963.19	92305.45	09/29/08	0	0.5	0.180	0.18	U	0.600	0.6	U	0.360	0.36	U	0.360	0.36	U
IAAP96965	IAAP111626	691993.8	93029.94	09/24/08	1	2	0.170	0.17	U	0.580	0.58	U	0.350	0.35	U	0.350	0.35	U
IAAP96967	IAAP111623	691937	93039	09/25/08	2	3	0.190	0.19	U	0.630	0.63	U	0.380	0.38	U	0.380	0.38	U
IAAP96967	IAAP111624	691937	93039	09/25/08	3	4	0.190	0.19	U	0.630	0.63	U	0.380	0.38	U	0.380	0.38	U
IAAP96990	IAAP105973	691858.09	92325.86	10/16/07	1	1.5	2.500	0.71	J	5.500	0.47	J	3.800	1.4	J	5.700	1.4	J
IAAP96990	IAAP111697	691858.09	92325.86	09/30/08	2	3	0.190	0.19	U	0.640	0.64	U	0.380	0.38	U	0.380	0.38	U
IAAP96996	IAAP105972	COMPOSITE	COMPOSITE	10/16/07	1	2	1.800	0.17	J	8.700	0.12	J	4.600	1.4	J	8.200	1.4	J
IAAP96996	IAAP111691	COMPOSITE	COMPOSITE	09/30/08	2	3	0.200	0.2	U	0.670	0.67	U	0.400	0.4	U	0.400	0.4	U
IAAP96999	IAAP111612	691782.57	93178.79	09/25/08	1	2	0.190	0.19	U	0.620	0.62	U	0.370	0.37	U	0.370	0.37	U

Table B-1-2. FUSRAP Post-Excavation Soil Characterization Data Remaining for Polynuc Aromatic Hydrocarbons at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	Indeno(1,2,3-cd)pyrene			Naphthalene			Phenanthrene			Pyrene		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							---	---	---	---	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:							2,100	---	---	17	---	---	---	---	---	23,000	---	---
<i>Eco CC^c:</i>							---	---	---	---	---	---	---	---	---	---	---	---
IAAP97049	IAAP111717	691998	92245	09/29/08	2	3	0.190	0.19	U	0.640	0.64	U	0.600	0.38	=	0.950	0.38	=
SVP111887	IAAP111619	863087.71	1068037.37	09/25/08	0	0.5	0.150	0.15	U	0.520	0.52	U	0.310	0.31	U	0.310	0.31	U
Maximum Reported Concentration (Detects and Non-Detects):							9.600	---	=	18.000	---	J	15.000	---	=	48.000	---	=
Maximum Detected Concentration:							9.600	---	=	18.000	---	J	15.000	---	=	48.000	---	=
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0):							---	---	---	---	---	---	---	---	---	---	---	---
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection):							---	---	---	---	---	---	---	---	---	---	---	---
Number of Sample Results Greater than USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0):							0	---	---	2	---	---	---	---	---	0	---	---
Number of Sample Results Greater than Eco CC:							---	---	---	---	---	---	---	---	---	---	---	---

^a Gray-shaded concentrations exceed the corresponding IAAAP OU-1 ROD RGs protective of an industrial worker ingesting soil (Harza 1998).

^b Concentrations in **bold** exceed the corresponding RSLs (USEPA 2018a) protective of an industrial worker exposed to soil via ingestion, dermal contact, and dust inhalation.

^c Concentrations in *italics* exceed the corresponding Eco CCs calculated for Line 1.

Notes:

"---" Indicates that there is no comparison value available.

All results and comparison values are in mg/kg.

NA - Maximum detected result is not available because all results reported for the parameter are non-detect.

VQ symbols indicate: "=" positive identification, positive quantitation, no reason to estimate,

"U" non-detect, no reason to estimate, "J" positive identification, estimated quantitation,

"UJ" analyte was not detected and had QC deficiencies.

Table B-1-3. FUSRAP Post-Excavation Soil Characterization Data Remaining for Semivolatile Organic Compounds at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	1,2,4-Trichlorobenzene			1,2-Dichlorobenzene			1,3-Dichlorobenzene			1,4-Dichlorobenzene			2,2'-oxybis(1-Chloropropane)		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:							11,000	---	---	9,300	---	---	---	---	---	1,100	---	---	47,000	---	---
<i>Eco CC^c:</i>							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
IAAP100014	IAAP100014	691782.68	93186	03/29/07	0	0.5	0.380	0.38	U	0.380	0.38	U	0.380	0.38	U	0.380	0.38	U	0.380	0.38	U
IAAP100015	IAAP100015	691786.76	93173.01	03/29/07	0	0.5	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U
IAAP100017	IAAP100017	691788.4	93108.61	03/29/07	0	0.5	0.360	0.36	U	0.360	0.36	U	0.360	0.36	U	0.360	0.36	U	0.360	0.36	U
IAAP100018	IAAP100018	691799.22	93143.77	03/29/07	0	0.5	0.390	0.39	U	0.390	0.39	U	0.390	0.39	U	0.390	0.39	U	0.390	0.39	U
IAAP100036	IAAP103993	691949.6	92924.92	06/05/07	1	2	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U
IAAP100046	IAAP100046	691996.61	93031.05	03/23/07	0	0.5	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U
IAAP100048	IAAP100048	691996.18	93025.73	03/23/07	0	0.5	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U
IAAP100049	IAAP100049	692061.44	93004.97	03/23/07	0	0.5	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U
IAAP100050	IAAP100050	692056.39	92980.91	03/23/07	0	0.5	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U
IAAP100098	IAAP100098	692028.71	92529.77	04/15/07	0	0.5	0.044	0.044	U	0.044	0.044	U	0.044	0.044	U	0.044	0.044	U	0.044	0.044	U
IAAP100099	IAAP100099	692024.8	92529.01	04/15/07	0	0.5	0.046	0.046	U	0.046	0.046	U	0.046	0.046	U	0.046	0.046	U	0.046	0.046	U
IAAP100103	IAAP100103	691732.21	92673.65	04/16/07	0	0.5	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U
IAAP100104	IAAP100104	691734.09	92661.56	04/16/07	0	0.5	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U
IAAP100105	IAAP100105	691740.39	92663.06	04/16/07	0	0.5	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U
IAAP100106	IAAP100106	692077.92	92392.37	04/16/07	0	0.5	0.035	0.035	U	0.035	0.035	U	0.035	0.035	U	0.035	0.035	U	0.035	0.035	U
IAAP100107	IAAP100107	692073.96	92394.18	04/16/07	0	0.5	0.036	0.036	U	0.036	0.036	U	0.036	0.036	U	0.036	0.036	U	0.036	0.036	U
IAAP100108	IAAP100108	692069.83	92386.12	04/16/07	0	0.5	0.056	0.056	U	0.056	0.056	U	0.056	0.056	U	0.056	0.056	U	0.056	0.056	U
IAAP100117	IAAP100117	691657.49	92890.56	04/03/07	0	0.5	0.042	0.042	U	0.042	0.042	U	0.042	0.042	U	0.042	0.042	U	0.042	0.042	U
IAAP100119	IAAP100119	691886.46	92908.5	04/16/07	0	0.5	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U
IAAP100120	IAAP100120	691892.27	92915.15	04/16/07	0	0.5	0.044	0.044	U	0.044	0.044	U	0.044	0.044	U	0.044	0.044	U	0.044	0.044	U
IAAP100121	IAAP100121	691883.8	92915.71	04/16/07	0	0.5	0.045	0.045	U	0.045	0.045	U	0.045	0.045	U	0.045	0.045	U	0.045	0.045	U
IAAP100123	IAAP100123	691874.49	93011.94	04/15/07	0	0.5	0.037	0.037	U	0.037	0.037	U	0.037	0.037	U	0.037	0.037	U	0.037	0.037	U
IAAP100125	IAAP100125	691890.75	92991.72	04/11/07	0	0.5	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U
IAAP103908	IAAP103908	691778.4	93191.87	05/29/07	0	0.5	0.380	0.38	U	0.380	0.38	U	0.380	0.38	U	0.380	0.38	U	0.380	0.38	U
IAAP103910	IAAP103910	691938.61	93076.7	05/29/07	0	0.5	0.340	0.34	U	0.340	0.34	U	0.340	0.34	U	0.340	0.34	U	0.340	0.34	U
IAAP103911	IAAP103911	691932.25	93063.5	05/29/07	0	0.5	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U
IAAP103911	IAAP103991	691932.25	93063.5	06/05/07	1	2	0.390	0.39	U	0.390	0.39	U	0.390	0.39	U	0.390	0.39	U	0.390	0.39	U
IAAP103914	IAAP103914	691947.43	93012.67	05/29/07	0	0.5	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U
IAAP103916	IAAP103916	691983.74	93024.23	05/29/07	0	0.5	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U
IAAP103917	IAAP103917	691993.16	93019.08	05/29/07	0	0.5	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U
IAAP103918	IAAP103918	691995.13	93038.88	05/29/07	0	0.5	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U
IAAP103923	IAAP103923	691890.59	93003.72	05/30/07	0	0.5	0.360	0.36	U	0.360	0.36	U	0.360	0.36	U	0.360	0.36	U	0.360	0.36	U
IAAP103924	IAAP103924	691875.87	92999.03	05/30/07	0	0.5	0.340	0.34	U	0.340	0.34	U	0.340	0.34	U	0.340	0.34	U	0.340	0.34	U
IAAP103927	IAAP103927	691895.22	92989.4	05/30/07	0	0.5	0.380	0.38	U	0.380	0.38	U	0.380	0.38	U	0.380	0.38	U	0.380	0.38	U
IAAP103930	IAAP103930	691900.09	92911.11	05/30/07	0	0.5	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U
IAAP103931	IAAP103931	691897.02	92918.97	05/30/07	0	0.5	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U

Table B-1-3. FUSRAP Post-Excavation Soil Characterization Data Remaining for Semivolatile Organic Compounds at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	1,2,4-Trichlorobenzene			1,2-Dichlorobenzene			1,3-Dichlorobenzene			1,4-Dichlorobenzene			2,2'-oxybis(1-Chloropropane)		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:							11,000	---	---	9,300	---	---	---	---	---	1,100	---	---	47,000	---	---
<i>Eco CC^c:</i>							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
IAAP103941	IAAP103941	691708	92792	06/05/07	0	0.5	0.480	0.48	U	0.480	0.48	U	0.480	0.48	U	0.480	0.48	U	0.480	0.48	U
IAAP103942	IAAP103942	691705.9	92790.11	06/05/07	0	0.5	0.450	0.45	U	0.450	0.45	U	0.450	0.45	U	0.450	0.45	U	0.450	0.45	U
IAAP103943	IAAP103943	691703.83	92788.7	06/05/07	0	0.5	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U
IAAP103944	IAAP103944	691708.53	92787.68	06/05/07	0	0.5	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U
IAAP103949	IAAP103949	691656.88	92924.64	05/30/07	0	0.5	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U
IAAP103950	IAAP103950	691649.22	92942.43	05/30/07	0	0.5	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U
IAAP103951	IAAP103951	691637.62	92967.26	05/30/07	0	0.5	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U
IAAP103952	IAAP103952	691865.78	92664.13	06/05/07	0	0.5	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U
IAAP103953	IAAP103953	691871.78	92672.56	06/05/07	0	0.5	0.390	0.39	U	0.390	0.39	U	0.390	0.39	U	0.390	0.39	U	0.390	0.39	U
IAAP103967	IAAP103967	692063.43	92392.21	05/31/07	0	0.5	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U
IAAP103968	IAAP103968	692078.65	92374.24	05/31/07	0	0.5	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U
IAAP103969	IAAP103969	692016.53	92256.62	05/31/07	0	0.5	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U
IAAP103970	IAAP103970	691999.44	92298.14	05/31/07	0	0.5	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U
IAAP103971	IAAP103971	691986.99	92341.35	05/31/07	0	0.5	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U
IAAP103972	IAAP103972	691952.26	92326.31	05/31/07	0	0.5	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U
IAAP103973	IAAP103973	691921.12	92305.41	05/31/07	0	0.5	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U
IAAP103974	IAAP103974	691897.41	92378.59	05/31/07	0	0.5	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U
IAAP103975	IAAP103975	691944.38	92098.79	05/31/07	0	0.5	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U
IAAP103976	IAAP103976	691822.5	92425.05	05/31/07	0	0.5	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U
IAAP103977	IAAP103977	691812.21	92455.45	05/31/07	0	0.5	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U
IAAP103978	IAAP103978	691885.27	92272.64	05/31/07	0	0.5	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U
IAAP103979	IAAP103979	691850.87	92305.71	05/31/07	0	0.5	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U
IAAP103980	IAAP103980	691950.01	92383.95	05/31/07	0	0.5	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U
IAAP103981	IAAP103981	691938.67	92369.23	05/31/07	0	0.5	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U
IAAP103982	IAAP103982	691854.52	92524.36	05/31/07	0	0.5	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U
IAAP103983	IAAP103983	691816.94	92510.02	05/31/07	0	0.5	1.000	1	U	1.000	1	U	1.000	1	U	1.000	1	U	1.000	1	U
IAAP103984	IAAP103984	691862.73	92475.37	05/31/07	0	0.5	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U
IAAP136603	IAAP100047	691990.48	93027.37	03/23/07	0	0.5	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U
IAAP96931	IAAP96931	691967.16	93373.53	11/15/06	0	0.5	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U
IAAP96932	IAAP96932	691951.14	93368.38	11/15/06	0	0.5	0.460	0.46	U	0.460	0.46	U	0.460	0.46	U	0.460	0.46	U	0.460	0.46	U
IAAP96934	IAAP96934	COMPOSITE	COMPOSITE	11/15/06	0	0.5	0.380	0.38	U	0.380	0.38	U	0.380	0.38	U	0.380	0.38	U	0.380	0.38	U
IAAP96935	IAAP96935	691894.02	93328.08	11/15/06	0	0.5	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U
IAAP96936	IAAP96936	COMPOSITE	COMPOSITE	11/15/06	0	0.5	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U
IAAP96937	IAAP96937	COMPOSITE	COMPOSITE	11/13/06	0	0.5	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U
IAAP96938	IAAP96938	691840.29	93270.4	11/13/06	0	0.5	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U
IAAP96939	IAAP96939	691831.83	93298.23	11/13/06	0	0.5	0.360	0.36	U	0.360	0.36	U	0.360	0.36	U	0.360	0.36	U	0.360	0.36	U

Table B-1-3. FUSRAP Post-Excavation Soil Characterization Data Remaining for Semivolatile Organic Compounds at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	1,2,4-Trichlorobenzene			1,2-Dichlorobenzene			1,3-Dichlorobenzene			1,4-Dichlorobenzene			2,2'-oxybis(1-Chloropropane)		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:							11,000	---	---	9,300	---	---	---	---	---	1,100	---	---	47,000	---	---
<i>Eco CC^c:</i>							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
IAAP96940	IAAP96940	691832.3	93342.32	11/13/06	0	0.5	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U
IAAP96941	IAAP96941	691814.66	93317.23	11/13/06	0	0.5	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U
IAAP96942	IAAP96942	691838.97	93244.84	11/13/06	0	0.5	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U
IAAP96952	IAAP96952	692127.71	93042.61	11/15/06	0	0.5	0.340	0.34	UJ	0.340	0.34	UJ	0.340	0.34	UJ	0.340	0.34	UJ	0.340	0.34	UJ
IAAP96953	IAAP96953	692116.38	93011.84	11/15/06	0	0.5	0.400	0.4	UJ	0.400	0.4	UJ	0.400	0.4	UJ	0.400	0.4	UJ	0.400	0.4	UJ
IAAP96955	IAAP96955	692175.68	92981.55	11/15/06	0	0.5	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U
IAAP96957	IAAP96957	692056.98	93146.93	11/15/06	0	0.5	0.450	0.45	U	0.450	0.45	U	0.450	0.45	U	0.450	0.45	U	0.450	0.45	U
IAAP96958	IAAP96958	692074.54	93130.61	11/15/06	0	0.5	0.470	0.47	U	0.470	0.47	U	0.470	0.47	U	0.470	0.47	U	0.470	0.47	U
IAAP96959	IAAP96959	COMPOSITE	COMPOSITE	11/14/06	0	0.5	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U
IAAP96960	IAAP96960	692088.53	93112.41	11/15/06	0	0.5	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U
IAAP96961	IAAP96961	COMPOSITE	COMPOSITE	11/13/06	0	0.5	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U
IAAP96962	IAAP96962	COMPOSITE	COMPOSITE	11/13/06	0	0.5	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U
IAAP96963	IAAP96963	COMPOSITE	COMPOSITE	11/13/06	0	0.5	0.380	0.38	U	0.380	0.38	U	0.380	0.38	U	0.380	0.38	U	0.380	0.38	U
IAAP96964	IAAP96964	691985.83	93063.1	11/13/06	0	0.5	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U
IAAP96966	IAAP96966	691954.93	93007.81	11/13/06	0	0.5	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U
IAAP96968	IAAP96968	691938.96	93067.14	11/13/06	0	0.5	0.350	0.35	U	0.350	0.35	U	0.350	0.35	U	0.350	0.35	U	0.350	0.35	U
IAAP96969	IAAP96969	691938.96	93067.14	11/13/06	1	2	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U
IAAP96970	IAAP96970	691909.48	93056.65	11/13/06	0	0.5	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U
IAAP96976	IAAP96976	COMPOSITE	COMPOSITE	11/14/06	0	0.5	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U
IAAP96977	IAAP96977	COMPOSITE	COMPOSITE	11/14/06	0	0.5	0.490	0.49	U	0.490	0.49	U	0.490	0.49	U	0.490	0.49	U	0.490	0.49	U
IAAP96979	IAAP96979	691795.01	93119.57	11/14/06	0	0.5	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U
IAAP96980	IAAP96980	691808.87	93106.84	11/14/06	0	0.5	0.360	0.36	U	0.360	0.36	U	0.360	0.36	U	0.360	0.36	U	0.360	0.36	U
IAAP96987	IAAP96987	691941.32	92118.25	11/14/06	0	0.5	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U
IAAP96988	IAAP96988	691954.34	92114.71	11/14/06	0	0.5	0.350	0.35	U	0.350	0.35	U	0.350	0.35	U	0.350	0.35	U	0.350	0.35	U
IAAP96989	IAAP96989	691876.63	92299.46	11/14/06	0	0.5	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U
IAAP96990	IAAP96990	691858.09	92325.86	11/14/06	0	0.5	0.450	0.45	U	0.450	0.45	U	0.450	0.45	U	0.450	0.45	U	0.450	0.45	U
IAAP96992	IAAP96992	COMPOSITE	COMPOSITE	11/14/06	0	0.5	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U
IAAP96994	IAAP96994	691857.33	92413.74	11/14/06	0	0.5	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U
IAAP96995	IAAP96995	691870.98	92410.67	11/14/06	0	0.5	0.390	0.39	U	0.390	0.39	U	0.390	0.39	U	0.390	0.39	U	0.390	0.39	U
IAAP96996	IAAP96996	COMPOSITE	COMPOSITE	11/14/06	0	0.5	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U
IAAP96997	IAAP96997	691844.39	92407.27	11/14/06	0	0.5	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U
IAAP96998	IAAP96998	691728	93303	11/14/06	0	0.5	0.360	0.36	U	0.360	0.36	U	0.360	0.36	U	0.360	0.36	U	0.360	0.36	U
IAAP97000	IAAP97000	691786.4	93115.72	11/14/06	0	0.5	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U
IAAP97001	IAAP97001	691872	93010	12/18/06	0	0.5	0.360	0.36	U	0.360	0.36	U	0.360	0.36	U	0.360	0.36	U	0.360	0.36	U
IAAP97002	IAAP97002	691884	93003	12/18/06	0	0.5	0.350	0.35	U	0.350	0.35	U	0.350	0.35	U	0.350	0.35	U	0.350	0.35	U
IAAP97003	IAAP97003	691888	92995	12/18/06	0	0.5	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U

Table B-1-3. FUSRAP Post-Excavation Soil Characterization Data Remaining for Semivolatile Organic Compounds at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	1,2,4-Trichlorobenzene			1,2-Dichlorobenzene			1,3-Dichlorobenzene			1,4-Dichlorobenzene			2,2'-oxybis(1-Chloropropane)		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:							11,000	---	---	9,300	---	---	---	---	---	1,100	---	---	47,000	---	---
<i>Eco CC^c:</i>							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
IAAP97010	IAAP97010	691891	92892	12/19/06	0	0.5	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U
IAAP97011	IAAP97011	691900	92879	12/19/06	0	0.5	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.050	0.42	=	0.420	0.42	U
IAAP97012	IAAP97012	691889	92913	12/19/06	0	0.5	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U
IAAP97013	IAAP97013	691813	92905	12/18/06	0	0.5	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U
IAAP97015	IAAP97015	691688	92824	12/18/06	0	0.5	0.350	0.35	U	0.350	0.35	U	0.350	0.35	U	0.350	0.35	U	0.350	0.35	U
IAAP97019	IAAP97019	691689	92747	12/18/06	0	0.5	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U
IAAP97020	IAAP97020	691695	92744	12/18/06	0	0.5	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U
IAAP97021	IAAP97021	691719	92718	12/18/06	0	0.5	0.450	0.45	U	0.450	0.45	U	0.450	0.45	U	0.450	0.45	U	0.450	0.45	U
IAAP97024	IAAP97024	691745	92709	12/18/06	0	0.5	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U
IAAP97025	IAAP97025	691718	92783	12/18/06	0	0.5	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U
IAAP97027	IAAP97027	691942	92676	12/19/06	0	0.5	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.048	0.43	=	0.430	0.43	U
IAAP97035	IAAP97035	691972	92575	12/19/06	0	0.5	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U
IAAP97036	IAAP97036	692052.2	92417.45	12/19/06	0	0.5	0.360	0.36	U	0.360	0.36	U	0.360	0.36	U	0.360	0.36	U	0.360	0.36	U
IAAP97037	IAAP97037	692060	92421.6	12/19/06	0	0.5	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U
IAAP97038	IAAP97038	692004	92424	12/19/06	0	0.5	0.450	0.45	U	0.450	0.45	U	0.450	0.45	U	0.450	0.45	U	0.450	0.45	U
IAAP97043	IAAP97043	692015	92390	12/19/06	0	0.5	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U
IAAP97044	IAAP97044	692035	92385	12/19/06	0	0.5	0.460	0.46	U	0.460	0.46	U	0.460	0.46	U	0.460	0.46	U	0.460	0.46	U
IAAP97045	IAAP97045	692065	92323	12/19/06	0	0.5	0.390	0.39	U	0.390	0.39	U	0.390	0.39	U	0.390	0.39	U	0.390	0.39	U
IAAP97046	IAAP97046	692051	92339	12/19/06	0	0.5	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U
IAAP97047	IAAP97047	692057.8	92401	12/19/06	0	0.5	0.350	0.35	U	0.350	0.35	U	0.350	0.35	U	0.038	0.35	=	0.350	0.35	U
IAAP98247	IAAP98247	691977	92312	12/19/06	0	0.5	0.460	0.46	U	0.460	0.46	U	0.460	0.46	U	0.460	0.46	U	0.460	0.46	U
IAAP98248	IAAP98248	691976.1	92379.2	12/19/06	0	0.5	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U
IAAP98249	IAAP98249	691962	92426.6	12/19/06	0	0.5	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U
IAAP98260	IAAP98260	691719	92537	12/18/06	0	0.5	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U
IAAP98261	IAAP98261	691626	92692	12/18/06	0	0.5	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U
IAAP98262	IAAP98262	691633	92751	12/18/06	0	0.5	0.450	0.45	U	0.450	0.45	U	0.450	0.45	U	0.450	0.45	U	0.450	0.45	U
IAAP98263	IAAP98263	691582	92869	12/18/06	0	0.5	1.300	1.3	U	1.300	1.3	U	1.300	1.3	U	1.300	1.3	U	1.300	1.3	U
IAAP98264	IAAP98264	691518	93097	12/18/06	0	0.5	0.540	0.54	U	0.540	0.54	U	0.540	0.54	U	0.540	0.54	U	0.540	0.54	U
IAAP98266	IAAP98266	691878	92578	12/18/06	0	0.5	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U
IAAP98274	IAAP98274	691733.32	93424.71	12/20/06	0	0.5	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U
IAAP99926	IAAP99926	691883.9	92993.3	04/15/07	0	0.5	0.037	0.037	U	0.037	0.037	U	0.037	0.037	U	0.037	0.037	U	0.037	0.037	U
IAAP99944	IAAP99944	691972.36	92388.37	04/16/07	0	0.5	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U
IAAP99945	IAAP99945	691960.61	92352.76	04/16/07	0	0.5	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U
IAAP99946	IAAP99946	691934.21	92423.44	04/16/07	0	0.5	0.480	0.48	U	0.480	0.48	U	0.480	0.48	U	0.480	0.48	U	0.480	0.48	U
IAAP99947	IAAP99947	691975.93	92282.92	04/16/07	0	0.5	0.380	0.38	U	0.380	0.38	U	0.380	0.38	U	0.380	0.38	U	0.380	0.38	U
IAAP99948	IAAP99948	691980.56	92235.25	04/16/07	0	0.5	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U

Table B-1-3. FUSRAP Post-Excavation Soil Characterization Data Remaining for Semivolatile Organic Compounds at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	1,2,4-Trichlorobenzene			1,2-Dichlorobenzene			1,3-Dichlorobenzene			1,4-Dichlorobenzene			2,2'-oxybis(1-Chloropropane)		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:							11,000	---	---	9,300	---	---	---	---	---	1,100	---	---	47,000	---	---
<i>Eco CC^c:</i>							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
IAAP99949	IAAP99949	691884.19	92483.11	04/16/07	0	0.5	0.470	0.47	U	0.470	0.47	U	0.470	0.47	U	0.470	0.47	U	0.470	0.47	U
IAAP99950	IAAP99950	691854.98	92504.08	04/16/07	0	0.5	0.670	0.67	U	0.670	0.67	U	0.670	0.67	U	0.670	0.67	U	0.670	0.67	U
IAAP99951	IAAP99951	691887.23	92383.87	04/16/07	0	0.5	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U
IAAP99952	IAAP99952	691893.47	92351.89	04/16/07	0	0.5	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U
IAAP99953	IAAP99953	691815.83	92443.83	04/16/07	0	0.5	0.500	0.5	U	0.500	0.5	U	0.500	0.5	U	0.500	0.5	U	0.500	0.5	U
IAAP99954	IAAP99954	691827.15	92460.05	04/16/07	0	0.5	0.042	0.042	U	0.042	0.042	U	0.042	0.042	U	0.042	0.042	U	0.042	0.042	U
IAAP99955	IAAP99955	691872.9	92318.95	04/16/07	0	0.5	0.039	0.039	U	0.039	0.039	U	0.039	0.039	U	0.039	0.039	U	0.039	0.039	U
IAAP99956	IAAP99956	691871.07	92238.22	04/16/07	0	0.5	0.051	0.051	U	0.051	0.051	U	0.051	0.051	U	0.051	0.051	U	0.051	0.051	U
IAAP99957	IAAP99957	691898.56	92243.32	04/16/07	0	0.5	0.048	0.048	U	0.048	0.048	U	0.048	0.048	U	0.048	0.048	U	0.048	0.048	U
IAAP99958	IAAP99958	691936.17	92258.58	04/16/07	0	0.5	0.051	0.051	U	0.051	0.051	U	0.051	0.051	U	0.051	0.051	U	0.051	0.051	U
Maximum Reported Concentration (Detects and Non-Detects):							1.300	---	U	1.300	---	U	1.300	---	U	1.300	---	U	1.300	---	U
Maximum Detected Concentration:							NA	---	---	NA	---	---	NA	---	---	0.050	---	=	NA	---	---
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0):							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection):							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Number of Sample Results Greater than USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0):							0	---	---	0	---	---	---	---	---	0	---	---	0	---	---
Number of Sample Results Greater than Ecological Critical Concentration:							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

^a Gray-shaded concentrations exceed the corresponding IAAAP OU-1 ROD RGs protective of an industrial worker ingesting soil (Harza 1998).

^b Concentrations in **bold** exceed the corresponding RSLs (USEPA 2018a) protective of an industrial worker exposed to soil via ingestion, dermal contact, and dust inhalation.

^c Concentrations in *italics* exceed the corresponding Eco CCs calculated for the WBPS.

Notes:

"---" Indicates that there is no comparison value available.

All results and comparison values are in mg/kg.

NA - Maximum detected result is not available because all results reported for the parameter are non-detect.

VQ symbols indicate: "==" positive identification, positive quantitation, no reason to estimate,

"U" non-detect, no reason to estimate, "J" positive identification, estimated quantitation, "UJ" analyte was not detected and had QC deficiencies.

Table B-1-3. FUSRAP Post-Excavation Soil Characterization Data Remaining for Semivolatile Organic Compounds at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	2,4,5-Trichlorophenol			2,4,6-Trichlorophenol			2,4-Dichlorophenol			2,4-Dimethylphenol			2,4-Dinitrophenol			
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:							82,000	---	---	21,000	---	---	2,500	---	---	16,000	---	---	1,600	---	---	
<i>Eco CC^c:</i>							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
IAAP100014	IAAP100014	691782.68	93186	03/29/07	0	0.5	0.380	0.38	U	0.380	0.38	U	0.380	0.38	U	0.380	0.38	U	1.800	1.8	UJ	
IAAP100015	IAAP100015	691786.76	93173.01	03/29/07	0	0.5	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	2.100	2.1	UJ	
IAAP100017	IAAP100017	691788.4	93108.61	03/29/07	0	0.5	0.360	0.36	U	0.360	0.36	U	0.360	0.36	U	0.360	0.36	U	1.700	1.7	UJ	
IAAP100018	IAAP100018	691799.22	93143.77	03/29/07	0	0.5	0.390	0.39	U	0.390	0.39	U	0.390	0.39	U	0.390	0.39	U	1.900	1.9	UJ	
IAAP100036	IAAP103993	691949.6	92924.92	06/05/07	1	2	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	2.000	2	U	
IAAP100046	IAAP100046	691996.61	93031.05	03/23/07	0	0.5	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	2.100	2.1	UJ	
IAAP100048	IAAP100048	691996.18	93025.73	03/23/07	0	0.5	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	2.100	2.1	UJ	
IAAP100049	IAAP100049	692061.44	93004.97	03/23/07	0	0.5	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	2.000	2	UJ	
IAAP100050	IAAP100050	692056.39	92980.91	03/23/07	0	0.5	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	2.000	2	UJ	
IAAP100098	IAAP100098	692028.71	92529.77	04/15/07	0	0.5	0.044	0.044	U	0.044	0.044	U	0.044	0.044	U	0.044	0.044	U	0.440	0.44	U	
IAAP100099	IAAP100099	692024.8	92529.01	04/15/07	0	0.5	0.046	0.046	U	0.046	0.046	U	0.046	0.046	U	0.046	0.046	U	0.450	0.45	U	
IAAP100103	IAAP100103	691732.21	92673.65	04/16/07	0	0.5	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U	0.430	0.43	U	
IAAP100104	IAAP100104	691734.09	92661.56	04/16/07	0	0.5	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U	0.430	0.43	U	
IAAP100105	IAAP100105	691740.39	92663.06	04/16/07	0	0.5	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U	0.430	0.43	U	
IAAP100106	IAAP100106	692077.92	92392.37	04/16/07	0	0.5	0.035	0.035	U	0.035	0.035	U	0.035	0.035	U	0.035	0.035	U	0.350	0.35	U	
IAAP100107	IAAP100107	692073.96	92394.18	04/16/07	0	0.5	0.036	0.036	U	0.036	0.036	U	0.036	0.036	U	0.036	0.036	U	0.360	0.36	U	
IAAP100108	IAAP100108	692069.83	92386.12	04/16/07	0	0.5	0.056	0.056	U	0.056	0.056	U	0.056	0.056	U	0.056	0.056	U	0.550	0.55	U	
IAAP100117	IAAP100117	691657.49	92890.56	04/03/07	0	0.5	0.042	0.042	U	0.042	0.042	U	0.042	0.042	U	0.042	0.042	U	0.420	0.42	U	
IAAP100119	IAAP100119	691886.46	92908.5	04/16/07	0	0.5	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U	0.430	0.43	U	
IAAP100120	IAAP100120	691892.27	92915.15	04/16/07	0	0.5	0.044	0.044	U	0.044	0.044	U	0.044	0.044	U	0.044	0.044	U	0.430	0.43	U	
IAAP100121	IAAP100121	691883.8	92915.71	04/16/07	0	0.5	0.045	0.045	U	0.045	0.045	U	0.045	0.045	U	0.045	0.045	U	0.440	0.44	U	
IAAP100123	IAAP100123	691874.49	93011.94	04/15/07	0	0.5	0.037	0.037	U	0.037	0.037	U	0.037	0.037	U	0.037	0.037	U	0.370	0.37	U	
IAAP100125	IAAP100125	691890.75	92991.72	04/11/07	0	0.5	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U	0.430	0.43	U	
IAAP103908	IAAP103908	691778.4	93191.87	05/29/07	0	0.5	0.380	0.38	U	0.380	0.38	U	0.380	0.38	UJ	0.380	0.38	U	1.900	1.9	UJ	
IAAP103910	IAAP103910	691938.61	93076.7	05/29/07	0	0.5	0.340	0.34	U	0.340	0.34	U	0.340	0.34	U	0.340	0.34	U	1.700	1.7	UJ	
IAAP103911	IAAP103911	691932.25	93063.5	05/29/07	0	0.5	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	1.800	1.8	UJ	
IAAP103911	IAAP103991	691932.25	93063.5	06/05/07	1	2	0.390	0.39	U	0.390	0.39	U	0.390	0.39	U	0.390	0.39	U	1.900	1.9	U	
IAAP103914	IAAP103914	691947.43	93012.67	05/29/07	0	0.5	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	2.000	2	UJ	
IAAP103916	IAAP103916	691983.74	93024.23	05/29/07	0	0.5	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	1.800	1.8	UJ	
IAAP103917	IAAP103917	691993.16	93019.08	05/29/07	0	0.5	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	1.900	1.9	UJ	
IAAP103918	IAAP103918	691995.13	93038.88	05/29/07	0	0.5	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	2.100	2.1	UJ	
IAAP103923	IAAP103923	691890.59	93003.72	05/30/07	0	0.5	0.360	0.36	U	0.360	0.36	U	0.360	0.36	U	0.360	0.36	U	1.700	1.7	U	
IAAP103924	IAAP103924	691875.87	92999.03	05/30/07	0	0.5	0.340	0.34	U	0.340	0.34	U	0.340	0.34	U	0.340	0.34	U	1.700	1.7	U	
IAAP103927	IAAP103927	691895.22	92989.4	05/30/07	0	0.5	0.380	0.38	U	0.380	0.38	U	0.380	0.38	U	0.380	0.38	U	1.800	1.8	U	
IAAP103930	IAAP103930	691900.09	92911.11	05/30/07	0	0.5	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	2.100	2.1	U	
IAAP103931	IAAP103931	691897.02	92918.97	05/30/07	0	0.5	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	2.100	2.1	U	

Table B-1-3. FUSRAP Post-Excavation Soil Characterization Data Remaining for Semivolatile Organic Compounds at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	2,4,5-Trichlorophenol			2,4,6-Trichlorophenol			2,4-Dichlorophenol			2,4-Dimethylphenol			2,4-Dinitrophenol			
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:							82,000	---	---	21,000	---	---	2,500	---	---	16,000	---	---	1,600	---	---	
<i>Eco CC^c:</i>							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
IAAP103941	IAAP103941	691708	92792	06/05/07	0	0.5	0.480	0.48	U	0.480	0.48	U	0.480	0.48	U	0.480	0.48	U	2.300	2.3	U	
IAAP103942	IAAP103942	691705.9	92790.11	06/05/07	0	0.5	0.450	0.45	U	0.450	0.45	U	0.450	0.45	U	0.450	0.45	U	2.200	2.2	U	
IAAP103943	IAAP103943	691703.83	92788.7	06/05/07	0	0.5	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	2.000	2	U	
IAAP103944	IAAP103944	691708.53	92787.68	06/05/07	0	0.5	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	2.100	2.1	U	
IAAP103949	IAAP103949	691656.88	92924.64	05/30/07	0	0.5	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	2.000	2	U	
IAAP103950	IAAP103950	691649.22	92942.43	05/30/07	0	0.5	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	1.800	1.8	U	
IAAP103951	IAAP103951	691637.62	92967.26	05/30/07	0	0.5	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	2.000	2	U	
IAAP103952	IAAP103952	691865.78	92664.13	06/05/07	0	0.5	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	2.100	2.1	U	
IAAP103953	IAAP103953	691871.78	92672.56	06/05/07	0	0.5	0.390	0.39	U	0.390	0.39	U	0.390	0.39	U	0.390	0.39	U	1.900	1.9	U	
IAAP103967	IAAP103967	692063.43	92392.21	05/31/07	0	0.5	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	2.000	2	U	
IAAP103968	IAAP103968	692078.65	92374.24	05/31/07	0	0.5	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	2.000	2	U	
IAAP103969	IAAP103969	692016.53	92256.62	05/31/07	0	0.5	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	2.200	2.2	U	
IAAP103970	IAAP103970	691999.44	92298.14	05/31/07	0	0.5	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	2.200	2.2	U	
IAAP103971	IAAP103971	691986.99	92341.35	05/31/07	0	0.5	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	2.000	2	U	
IAAP103972	IAAP103972	691952.26	92326.31	05/31/07	0	0.5	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	2.000	2	U	
IAAP103973	IAAP103973	691921.12	92305.41	05/31/07	0	0.5	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	2.100	2.1	U	
IAAP103974	IAAP103974	691897.41	92378.59	05/31/07	0	0.5	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	2.000	2	U	
IAAP103975	IAAP103975	691944.38	92098.79	05/31/07	0	0.5	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	2.100	2.1	U	
IAAP103976	IAAP103976	691822.5	92425.05	05/31/07	0	0.5	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	2.100	2.1	U	
IAAP103977	IAAP103977	691812.21	92455.45	05/31/07	0	0.5	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	2.100	2.1	U	
IAAP103978	IAAP103978	691885.27	92272.64	05/31/07	0	0.5	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	2.100	2.1	U	
IAAP103979	IAAP103979	691850.87	92305.71	05/31/07	0	0.5	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	2.000	2	U	
IAAP103980	IAAP103980	691950.01	92383.95	05/31/07	0	0.5	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	2.100	2.1	U	
IAAP103981	IAAP103981	691938.67	92369.23	05/31/07	0	0.5	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	2.100	2.1	U	
IAAP103982	IAAP103982	691854.52	92524.36	05/31/07	0	0.5	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	2.000	2	U	
IAAP103983	IAAP103983	691816.94	92510.02	05/31/07	0	0.5	1.000	1	U	1.000	1	U	1.000	1	U	1.000	1	U	5.000	5	U	
IAAP103984	IAAP103984	691862.73	92475.37	05/31/07	0	0.5	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	2.100	2.1	U	
IAAP136603	IAAP100047	691990.48	93027.37	03/23/07	0	0.5	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	1.900	1.9	UJ	
IAAP96931	IAAP96931	691967.16	93373.53	11/15/06	0	0.5	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	2.000	2	U	
IAAP96932	IAAP96932	691951.14	93368.38	11/15/06	0	0.5	0.460	0.46	U	0.460	0.46	U	0.460	0.46	U	0.460	0.46	U	2.200	2.2	U	
IAAP96934	IAAP96934	COMPOSITE	COMPOSITE	11/15/06	0	0.5	0.380	0.38	U	0.380	0.38	U	0.380	0.38	U	0.380	0.38	U	1.800	1.8	U	
IAAP96935	IAAP96935	691894.02	93328.08	11/15/06	0	0.5	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	1.800	1.8	U	
IAAP96936	IAAP96936	COMPOSITE	COMPOSITE	11/15/06	0	0.5	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	2.100	2.1	U	
IAAP96937	IAAP96937	COMPOSITE	COMPOSITE	11/13/06	0	0.5	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	1.800	1.8	UJ	
IAAP96938	IAAP96938	691840.29	93270.4	11/13/06	0	0.5	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	2.100	2.1	UJ	
IAAP96939	IAAP96939	691831.83	93298.23	11/13/06	0	0.5	0.360	0.36	U	0.360	0.36	U	0.360	0.36	U	0.360	0.36	U	1.800	1.8	UJ	

Table B-1-3. FUSRAP Post-Excavation Soil Characterization Data Remaining for Semivolatile Organic Compounds at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	2,4,5-Trichlorophenol			2,4,6-Trichlorophenol			2,4-Dichlorophenol			2,4-Dimethylphenol			2,4-Dinitrophenol			
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:							82,000	---	---	21,000	---	---	2,500	---	---	16,000	---	---	1,600	---	---	
<i>Eco CC^c:</i>							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
IAAP96940	IAAP96940	691832.3	93342.32	11/13/06	0	0.5	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	1.800	1.8	UJ	
IAAP96941	IAAP96941	691814.66	93317.23	11/13/06	0	0.5	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	2.000	2	UJ	
IAAP96942	IAAP96942	691838.97	93244.84	11/13/06	0	0.5	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	2.000	2	UJ	
IAAP96952	IAAP96952	692127.71	93042.61	11/15/06	0	0.5	0.340	0.34	UJ	0.340	0.34	UJ	0.340	0.34	UJ	0.340	0.34	UJ	1.700	1.7	UJ	
IAAP96953	IAAP96953	692116.38	93011.84	11/15/06	0	0.5	0.400	0.4	UJ	0.400	0.4	UJ	0.400	0.4	UJ	0.400	0.4	UJ	1.900	1.9	UJ	
IAAP96955	IAAP96955	692175.68	92981.55	11/15/06	0	0.5	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	2.000	2	U	
IAAP96957	IAAP96957	692056.98	93146.93	11/15/06	0	0.5	0.450	0.45	U	0.450	0.45	U	0.450	0.45	U	0.450	0.45	U	2.200	2.2	U	
IAAP96958	IAAP96958	692074.54	93130.61	11/15/06	0	0.5	0.470	0.47	U	0.470	0.47	U	0.470	0.47	U	0.470	0.47	U	2.300	2.3	U	
IAAP96959	IAAP96959	COMPOSITE	COMPOSITE	11/14/06	0	0.5	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	1.900	1.9	U	
IAAP96960	IAAP96960	692088.53	93112.41	11/15/06	0	0.5	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	2.000	2	U	
IAAP96961	IAAP96961	COMPOSITE	COMPOSITE	11/13/06	0	0.5	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	2.000	2	UJ	
IAAP96962	IAAP96962	COMPOSITE	COMPOSITE	11/13/06	0	0.5	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	2.000	2	UJ	
IAAP96963	IAAP96963	COMPOSITE	COMPOSITE	11/13/06	0	0.5	0.380	0.38	U	0.380	0.38	U	0.380	0.38	U	0.380	0.38	U	1.900	1.9	UJ	
IAAP96964	IAAP96964	691985.83	93063.1	11/13/06	0	0.5	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	2.000	2	UJ	
IAAP96966	IAAP96966	691954.93	93007.81	11/13/06	0	0.5	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	2.000	2	UJ	
IAAP96968	IAAP96968	691938.96	93067.14	11/13/06	0	0.5	0.350	0.35	U	0.350	0.35	U	0.350	0.35	U	0.350	0.35	U	1.700	1.7	UJ	
IAAP96969	IAAP96969	691938.96	93067.14	11/13/06	1	2	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	2.000	2	UJ	
IAAP96970	IAAP96970	691909.48	93056.65	11/13/06	0	0.5	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	2.100	2.1	UJ	
IAAP96976	IAAP96976	COMPOSITE	COMPOSITE	11/14/06	0	0.5	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	2.100	2.1	U	
IAAP96977	IAAP96977	COMPOSITE	COMPOSITE	11/14/06	0	0.5	0.490	0.49	U	0.490	0.49	U	0.490	0.49	U	0.490	0.49	U	2.400	2.4	U	
IAAP96979	IAAP96979	691795.01	93119.57	11/14/06	0	0.5	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	2.000	2	U	
IAAP96980	IAAP96980	691808.87	93106.84	11/14/06	0	0.5	0.360	0.36	U	0.360	0.36	U	0.360	0.36	U	0.360	0.36	U	1.700	1.7	U	
IAAP96987	IAAP96987	691941.32	92118.25	11/14/06	0	0.5	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	2.100	2.1	U	
IAAP96988	IAAP96988	691954.34	92114.71	11/14/06	0	0.5	0.350	0.35	U	0.350	0.35	U	0.350	0.35	U	0.350	0.35	U	1.700	1.7	U	
IAAP96989	IAAP96989	691876.63	92299.46	11/14/06	0	0.5	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	2.000	2	U	
IAAP96990	IAAP96990	691858.09	92325.86	11/14/06	0	0.5	0.450	0.45	U	0.450	0.45	U	0.450	0.45	U	0.450	0.45	U	2.200	2.2	U	
IAAP96992	IAAP96992	COMPOSITE	COMPOSITE	11/14/06	0	0.5	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	1.800	1.8	U	
IAAP96994	IAAP96994	691857.33	92413.74	11/14/06	0	0.5	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	1.800	1.8	U	
IAAP96995	IAAP96995	691870.98	92410.67	11/14/06	0	0.5	0.390	0.39	U	0.390	0.39	U	0.390	0.39	U	0.390	0.39	U	1.900	1.9	U	
IAAP96996	IAAP96996	COMPOSITE	COMPOSITE	11/14/06	0	0.5	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	2.000	2	U	
IAAP96997	IAAP96997	691844.39	92407.27	11/14/06	0	0.5	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	1.800	1.8	U	
IAAP96998	IAAP96998	691728	93303	11/14/06	0	0.5	0.360	0.36	U	0.360	0.36	U	0.360	0.36	U	0.360	0.36	U	1.700	1.7	U	
IAAP97000	IAAP97000	691786.4	93115.72	11/14/06	0	0.5	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	2.100	2.1	U	
IAAP97001	IAAP97001	691872	93010	12/18/06	0	0.5	0.360	0.36	U	0.360	0.36	U	0.360	0.36	U	0.360	0.36	U	1.800	1.8	U	
IAAP97002	IAAP97002	691884	93003	12/18/06	0	0.5	0.350	0.35	U	0.350	0.35	U	0.350	0.35	U	0.350	0.35	U	1.700	1.7	U	
IAAP97003	IAAP97003	691888	92995	12/18/06	0	0.5	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	2.000	2	U	

Table B-1-3. FUSRAP Post-Excavation Soil Characterization Data Remaining for Semivolatile Organic Compounds at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	2,4,5-Trichlorophenol			2,4,6-Trichlorophenol			2,4-Dichlorophenol			2,4-Dimethylphenol			2,4-Dinitrophenol			
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:							82,000	---	---	21,000	---	---	2,500	---	---	16,000	---	---	1,600	---	---	
<i>Eco CC^c:</i>							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
IAAP97010	IAAP97010	691891	92892	12/19/06	0	0.5	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	2.000	2	UJ	
IAAP97011	IAAP97011	691900	92879	12/19/06	0	0.5	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	2.100	2.1	UJ	
IAAP97012	IAAP97012	691889	92913	12/19/06	0	0.5	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	2.100	2.1	UJ	
IAAP97013	IAAP97013	691813	92905	12/18/06	0	0.5	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	1.800	1.8	U	
IAAP97015	IAAP97015	691688	92824	12/18/06	0	0.5	0.350	0.35	U	0.350	0.35	U	0.350	0.35	U	0.350	0.35	U	1.700	1.7	U	
IAAP97019	IAAP97019	691689	92747	12/18/06	0	0.5	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	2.100	2.1	U	
IAAP97020	IAAP97020	691695	92744	12/18/06	0	0.5	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	2.100	2.1	U	
IAAP97021	IAAP97021	691719	92718	12/18/06	0	0.5	0.450	0.45	U	0.450	0.45	U	0.450	0.45	U	0.450	0.45	U	2.200	2.2	U	
IAAP97024	IAAP97024	691745	92709	12/18/06	0	0.5	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	2.100	2.1	U	
IAAP97025	IAAP97025	691718	92783	12/18/06	0	0.5	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	2.100	2.1	U	
IAAP97027	IAAP97027	691942	92676	12/19/06	0	0.5	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	2.100	2.1	UJ	
IAAP97035	IAAP97035	691972	92575	12/19/06	0	0.5	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	2.100	2.1	UJ	
IAAP97036	IAAP97036	692052.2	92417.45	12/19/06	0	0.5	0.360	0.36	U	0.360	0.36	U	0.360	0.36	U	0.360	0.36	U	1.700	1.7	UJ	
IAAP97037	IAAP97037	692060	92421.6	12/19/06	0	0.5	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	1.800	1.8	UJ	
IAAP97038	IAAP97038	692004	92424	12/19/06	0	0.5	0.450	0.45	U	0.450	0.45	U	0.450	0.45	U	0.450	0.45	U	2.200	2.2	UJ	
IAAP97043	IAAP97043	692015	92390	12/19/06	0	0.5	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	2.000	2	UJ	
IAAP97044	IAAP97044	692035	92385	12/19/06	0	0.5	0.460	0.46	U	0.460	0.46	U	0.460	0.46	U	0.460	0.46	U	2.200	2.2	UJ	
IAAP97045	IAAP97045	692065	92323	12/19/06	0	0.5	0.390	0.39	U	0.390	0.39	U	0.390	0.39	U	0.390	0.39	U	1.900	1.9	UJ	
IAAP97046	IAAP97046	692051	92339	12/19/06	0	0.5	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	2.100	2.1	UJ	
IAAP97047	IAAP97047	692057.8	92401	12/19/06	0	0.5	0.350	0.35	U	0.350	0.35	U	0.350	0.35	U	0.350	0.35	U	1.700	1.7	UJ	
IAAP98247	IAAP98247	691977	92312	12/19/06	0	0.5	0.460	0.46	U	0.460	0.46	U	0.460	0.46	U	0.460	0.46	U	2.200	2.2	UJ	
IAAP98248	IAAP98248	691976.1	92379.2	12/19/06	0	0.5	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	2.100	2.1	UJ	
IAAP98249	IAAP98249	691962	92426.6	12/19/06	0	0.5	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	2.100	2.1	UJ	
IAAP98260	IAAP98260	691719	92537	12/18/06	0	0.5	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	1.900	1.9	U	
IAAP98261	IAAP98261	691626	92692	12/18/06	0	0.5	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	2.000	2	U	
IAAP98262	IAAP98262	691633	92751	12/18/06	0	0.5	0.450	0.45	U	0.450	0.45	U	0.450	0.45	U	0.450	0.45	U	2.200	2.2	U	
IAAP98263	IAAP98263	691582	92869	12/18/06	0	0.5	1.300	1.3	U	1.300	1.3	U	1.300	1.3	U	1.300	1.3	U	6.100	6.1	U	
IAAP98264	IAAP98264	691518	93097	12/18/06	0	0.5	0.540	0.54	U	0.540	0.54	U	0.540	0.54	U	0.540	0.54	U	2.600	2.6	U	
IAAP98266	IAAP98266	691878	92578	12/18/06	0	0.5	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	2.100	2.1	U	
IAAP98274	IAAP98274	691733.32	93424.71	12/20/06	0	0.5	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	1.800	1.8	U	
IAAP99926	IAAP99926	691883.9	92993.3	04/15/07	0	0.5	0.037	0.037	U	0.037	0.037	U	0.037	0.037	U	0.037	0.037	U	0.370	0.37	U	
IAAP99944	IAAP99944	691972.36	92388.37	04/16/07	0	0.5	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	2.100	2.1	U	
IAAP99945	IAAP99945	691960.61	92352.76	04/16/07	0	0.5	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	2.000	2	U	
IAAP99946	IAAP99946	691934.21	92423.44	04/16/07	0	0.5	0.480	0.48	U	0.480	0.48	U	0.480	0.48	U	0.480	0.48	U	2.300	2.3	U	
IAAP99947	IAAP99947	691975.93	92282.92	04/16/07	0	0.5	0.380	0.38	U	0.380	0.38	U	0.380	0.38	U	0.380	0.38	U	1.800	1.8	U	
IAAP99948	IAAP99948	691980.56	92235.25	04/16/07	0	0.5	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	2.000	2	U	

Table B-1-3. FUSRAP Post-Excavation Soil Characterization Data Remaining for Semivolatile Organic Compounds at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	2,4,5-Trichlorophenol			2,4,6-Trichlorophenol			2,4-Dichlorophenol			2,4-Dimethylphenol			2,4-Dinitrophenol				
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ		
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:							82,000	---	---	21,000	---	---	2,500	---	---	16,000	---	---	1,600	---	---	---	
<i>Eco CC^c:</i>							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
IAAP99949	IAAP99949	691884.19	92483.11	04/16/07	0	0.5	0.470	0.47	U	0.470	0.47	U	0.470	0.47	U	0.470	0.47	U	2.300	2.3	U		
IAAP99950	IAAP99950	691854.98	92504.08	04/16/07	0	0.5	0.670	0.67	U	0.670	0.67	U	0.670	0.67	U	0.670	0.67	U	3.300	3.3	U		
IAAP99951	IAAP99951	691887.23	92383.87	04/16/07	0	0.5	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	2.000	2	U		
IAAP99952	IAAP99952	691893.47	92351.89	04/16/07	0	0.5	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	2.000	2	U		
IAAP99953	IAAP99953	691815.83	92443.83	04/16/07	0	0.5	0.500	0.5	U	0.500	0.5	U	0.500	0.5	U	0.500	0.5	U	2.400	2.4	U		
IAAP99954	IAAP99954	691827.15	92460.05	04/16/07	0	0.5	0.042	0.042	U	0.042	0.042	U	0.042	0.042	U	0.042	0.042	U	0.410	0.41	U		
IAAP99955	IAAP99955	691872.9	92318.95	04/16/07	0	0.5	0.039	0.039	U	0.039	0.039	U	0.039	0.039	U	0.039	0.039	U	0.380	0.38	U		
IAAP99956	IAAP99956	691871.07	92238.22	04/16/07	0	0.5	0.051	0.051	U	0.051	0.051	U	0.051	0.051	U	0.051	0.051	U	0.500	0.5	U		
IAAP99957	IAAP99957	691898.56	92243.32	04/16/07	0	0.5	0.048	0.048	U	0.048	0.048	U	0.048	0.048	U	0.048	0.048	U	0.480	0.48	U		
IAAP99958	IAAP99958	691936.17	92258.58	04/16/07	0	0.5	0.051	0.051	U	0.051	0.051	U	0.051	0.051	U	0.051	0.051	U	0.500	0.5	U		
Maximum Reported Concentration (Detects and Non-Detects):							1.300	---	U	1.300	---	U	1.300	---	U	1.300	---	U	6.100	---	U		
Maximum Detected Concentration:							NA	---	---	NA	---	---	NA	---	---	NA	---	---	NA	---	---		
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0):							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection):							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
Number of Sample Results Greater than USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0):							0	---	---	0	---	---	0	---	---	0	---	---	0	---	---		
Number of Sample Results Greater than Ecological Critical Concentration:							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		

^a Gray-shaded concentrations exceed the corresponding IAAAP OU-1 ROD RGs protective of an industrial worker ingesting soil (Harza 1998).

^b Concentrations in **bold** exceed the corresponding RSLs (USEPA 2018a) protective of an industrial worker exposed to soil via ingestion, dermal contact, and dust inhalation.

^c Concentrations in *italics* exceed the corresponding Eco CCs calculated for the WBPS.

Notes:

"---" Indicates that there is no comparison value available.

All results and comparison values are in mg/kg.

NA - Maximum detected result is not available because all results reported for the parameter are non-detect.

VQ symbols indicate: "==" positive identification, positive quantitation, no reason to estimate,

"U" non-detect, no reason to estimate, "J" positive identification, estimated quantitation, "UJ" analyte was not detected and had QC deficiencies.

Table B-1-3. FUSRAP Post-Excavation Soil Characterization Data Remaining for Semivolatile Organic Compounds at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	2,4-DNT			2,6-DNT			2-Chloronaphthalene			2-Chlorophenol			2-Methylnaphthalene			
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							8.7	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:							7,400	---	---	1,500	---	---	60,000	---	---	5,800	---	---	3,000	---	---	
<i>Eco CC^c:</i>							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
IAAP100014	IAAP100014	691782.68	93186	03/29/07	0	0.5	0.380	0.38	U	0.380	0.38	U	0.380	0.38	U	0.380	0.38	U	0.380	0.38	U	
IAAP100015	IAAP100015	691786.76	93173.01	03/29/07	0	0.5	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	
IAAP100017	IAAP100017	691788.4	93108.61	03/29/07	0	0.5	0.360	0.36	U	0.360	0.36	U	0.360	0.36	U	0.360	0.36	U	0.360	0.36	U	
IAAP100018	IAAP100018	691799.22	93143.77	03/29/07	0	0.5	0.390	0.39	U	0.390	0.39	U	0.390	0.39	U	0.390	0.39	U	0.390	0.39	U	
IAAP100036	IAAP103993	691949.6	92924.92	06/05/07	1	2	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	
IAAP100046	IAAP100046	691996.61	93031.05	03/23/07	0	0.5	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	
IAAP100048	IAAP100048	691996.18	93025.73	03/23/07	0	0.5	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	
IAAP100049	IAAP100049	692061.44	93004.97	03/23/07	0	0.5	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	
IAAP100050	IAAP100050	692056.39	92980.91	03/23/07	0	0.5	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	
IAAP100098	IAAP100098	692028.71	92529.77	04/15/07	0	0.5	0.044	0.044	U	0.044	0.044	U	0.044	0.044	U	0.044	0.044	U	0.044	0.044	U	
IAAP100099	IAAP100099	692024.8	92529.01	04/15/07	0	0.5	0.046	0.046	U	0.046	0.046	U	0.046	0.046	U	0.046	0.046	U	0.046	0.046	U	
IAAP100103	IAAP100103	691732.21	92673.65	04/16/07	0	0.5	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U	
IAAP100104	IAAP100104	691734.09	92661.56	04/16/07	0	0.5	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U	
IAAP100105	IAAP100105	691740.39	92663.06	04/16/07	0	0.5	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U	
IAAP100106	IAAP100106	692077.92	92392.37	04/16/07	0	0.5	0.035	0.035	U	0.035	0.035	U	0.035	0.035	U	0.035	0.035	U	0.035	0.035	U	
IAAP100107	IAAP100107	692073.96	92394.18	04/16/07	0	0.5	0.036	0.036	U	0.036	0.036	U	0.036	0.036	U	0.036	0.036	U	0.036	0.036	U	
IAAP100108	IAAP100108	692069.83	92386.12	04/16/07	0	0.5	0.056	0.056	U	0.056	0.056	U	0.056	0.056	U	0.056	0.056	U	0.056	0.056	U	
IAAP100117	IAAP100117	691657.49	92890.56	04/03/07	0	0.5	0.042	0.042	U	0.042	0.042	U	0.042	0.042	U	0.042	0.042	U	0.042	0.042	U	
IAAP100119	IAAP100119	691886.46	92908.5	04/16/07	0	0.5	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U	
IAAP100120	IAAP100120	691892.27	92915.15	04/16/07	0	0.5	0.044	0.044	U	0.044	0.044	U	0.044	0.044	U	0.044	0.044	U	0.044	0.044	U	
IAAP100121	IAAP100121	691883.8	92915.71	04/16/07	0	0.5	0.045	0.045	U	0.045	0.045	U	0.045	0.045	U	0.045	0.045	U	0.045	0.045	U	
IAAP100123	IAAP100123	691874.49	93011.94	04/15/07	0	0.5	0.037	0.037	U	0.037	0.037	U	0.037	0.037	U	0.037	0.037	U	0.037	0.037	U	
IAAP100125	IAAP100125	691890.75	92991.72	04/11/07	0	0.5	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U	
IAAP103908	IAAP103908	691778.4	93191.87	05/29/07	0	0.5	0.380	0.38	U	0.380	0.38	U	0.380	0.38	U	0.380	0.38	U	0.380	0.38	U	
IAAP103910	IAAP103910	691938.61	93076.7	05/29/07	0	0.5	0.340	0.34	U	0.340	0.34	U	0.340	0.34	U	0.340	0.34	U	0.340	0.34	U	
IAAP103911	IAAP103911	691932.25	93063.5	05/29/07	0	0.5	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	
IAAP103911	IAAP103991	691932.25	93063.5	06/05/07	1	2	0.390	0.39	U	0.390	0.39	U	0.390	0.39	U	0.390	0.39	U	0.390	0.39	U	
IAAP103914	IAAP103914	691947.43	93012.67	05/29/07	0	0.5	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	
IAAP103916	IAAP103916	691983.74	93024.23	05/29/07	0	0.5	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	
IAAP103917	IAAP103917	691993.16	93019.08	05/29/07	0	0.5	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	
IAAP103918	IAAP103918	691995.13	93038.88	05/29/07	0	0.5	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	
IAAP103923	IAAP103923	691890.59	93003.72	05/30/07	0	0.5	0.360	0.36	U	0.360	0.36	U	0.360	0.36	U	0.360	0.36	U	0.360	0.36	U	
IAAP103924	IAAP103924	691875.87	92999.03	05/30/07	0	0.5	0.340	0.34	U	0.340	0.34	U	0.340	0.34	U	0.340	0.34	U	0.340	0.34	U	
IAAP103927	IAAP103927	691895.22	92989.4	05/30/07	0	0.5	0.380	0.38	U	0.380	0.38	U	0.380	0.38	U	0.380	0.38	U	0.380	0.38	U	
IAAP103930	IAAP103930	691900.09	92911.11	05/30/07	0	0.5	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	
IAAP103931	IAAP103931	691897.02	92918.97	05/30/07	0	0.5	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	

Table B-1-3. FUSRAP Post-Excavation Soil Characterization Data Remaining for Semivolatile Organic Compounds at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	2,4-DNT			2,6-DNT			2-Chloronaphthalene			2-Chlorophenol			2-Methylnaphthalene			
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							8.7	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:							7,400	---	---	1,500	---	---	60,000	---	---	5,800	---	---	3,000	---	---	
<i>Eco CC^c:</i>							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
IAAP103941	IAAP103941	691708	92792	06/05/07	0	0.5	0.480	0.48	U	0.480	0.48	U	0.480	0.48	U	0.480	0.48	U	0.480	0.48	U	
IAAP103942	IAAP103942	691705.9	92790.11	06/05/07	0	0.5	0.450	0.45	U	0.450	0.45	U	0.450	0.45	U	0.450	0.45	U	0.450	0.45	U	
IAAP103943	IAAP103943	691703.83	92788.7	06/05/07	0	0.5	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	
IAAP103944	IAAP103944	691708.53	92787.68	06/05/07	0	0.5	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	
IAAP103949	IAAP103949	691656.88	92924.64	05/30/07	0	0.5	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	
IAAP103950	IAAP103950	691649.22	92942.43	05/30/07	0	0.5	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	
IAAP103951	IAAP103951	691637.62	92967.26	05/30/07	0	0.5	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	
IAAP103952	IAAP103952	691865.78	92664.13	06/05/07	0	0.5	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	
IAAP103953	IAAP103953	691871.78	92672.56	06/05/07	0	0.5	0.390	0.39	U	0.390	0.39	U	0.390	0.39	U	0.390	0.39	U	0.390	0.39	U	
IAAP103967	IAAP103967	692063.43	92392.21	05/31/07	0	0.5	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	
IAAP103968	IAAP103968	692078.65	92374.24	05/31/07	0	0.5	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	
IAAP103969	IAAP103969	692016.53	92256.62	05/31/07	0	0.5	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	
IAAP103970	IAAP103970	691999.44	92298.14	05/31/07	0	0.5	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	
IAAP103971	IAAP103971	691986.99	92341.35	05/31/07	0	0.5	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	
IAAP103972	IAAP103972	691952.26	92326.31	05/31/07	0	0.5	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	
IAAP103973	IAAP103973	691921.12	92305.41	05/31/07	0	0.5	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	
IAAP103974	IAAP103974	691897.41	92378.59	05/31/07	0	0.5	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	
IAAP103975	IAAP103975	691944.38	92098.79	05/31/07	0	0.5	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	
IAAP103976	IAAP103976	691822.5	92425.05	05/31/07	0	0.5	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	
IAAP103977	IAAP103977	691812.21	92455.45	05/31/07	0	0.5	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	
IAAP103978	IAAP103978	691885.27	92272.64	05/31/07	0	0.5	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	
IAAP103979	IAAP103979	691850.87	92305.71	05/31/07	0	0.5	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	
IAAP103980	IAAP103980	691950.01	92383.95	05/31/07	0	0.5	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	
IAAP103981	IAAP103981	691938.67	92369.23	05/31/07	0	0.5	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	
IAAP103982	IAAP103982	691854.52	92524.36	05/31/07	0	0.5	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	
IAAP103983	IAAP103983	691816.94	92510.02	05/31/07	0	0.5	1.000	1	U	1.000	1	U	1.000	1	U	1.000	1	U	1.000	1	U	
IAAP103984	IAAP103984	691862.73	92475.37	05/31/07	0	0.5	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	
IAAP136603	IAAP100047	691990.48	93027.37	03/23/07	0	0.5	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	
IAAP96931	IAAP96931	691967.16	93373.53	11/15/06	0	0.5	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	
IAAP96932	IAAP96932	691951.14	93368.38	11/15/06	0	0.5	0.460	0.46	U	0.460	0.46	U	0.460	0.46	U	0.460	0.46	U	0.460	0.46	U	
IAAP96934	IAAP96934	COMPOSITE	COMPOSITE	11/15/06	0	0.5	0.380	0.38	U	0.380	0.38	U	0.380	0.38	U	0.380	0.38	U	0.380	0.38	U	
IAAP96935	IAAP96935	691894.02	93328.08	11/15/06	0	0.5	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	
IAAP96936	IAAP96936	COMPOSITE	COMPOSITE	11/15/06	0	0.5	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	
IAAP96937	IAAP96937	COMPOSITE	COMPOSITE	11/13/06	0	0.5	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	
IAAP96938	IAAP96938	691840.29	93270.4	11/13/06	0	0.5	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	
IAAP96939	IAAP96939	691831.83	93298.23	11/13/06	0	0.5	0.360	0.36	U	0.360	0.36	U	0.360	0.36	U	0.360	0.36	U	0.360	0.36	U	

Table B-1-3. FUSRAP Post-Excavation Soil Characterization Data Remaining for Semivolatile Organic Compounds at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	2,4-DNT			2,6-DNT			2-Chloronaphthalene			2-Chlorophenol			2-Methylnaphthalene			
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							8.7	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:							7,400	---	---	1,500	---	---	60,000	---	---	5,800	---	---	3,000	---	---	
<i>Eco CC^c:</i>							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
IAAP96940	IAAP96940	691832.3	93342.32	11/13/06	0	0.5	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	
IAAP96941	IAAP96941	691814.66	93317.23	11/13/06	0	0.5	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	
IAAP96942	IAAP96942	691838.97	93244.84	11/13/06	0	0.5	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	
IAAP96952	IAAP96952	692127.71	93042.61	11/15/06	0	0.5	0.340	0.34	UJ	0.340	0.34	UJ	0.340	0.34	UJ	0.340	0.34	UJ	0.340	0.34	UJ	
IAAP96953	IAAP96953	692116.38	93011.84	11/15/06	0	0.5	0.400	0.4	UJ	0.400	0.4	UJ	0.400	0.4	UJ	0.400	0.4	UJ	0.400	0.4	UJ	
IAAP96955	IAAP96955	692175.68	92981.55	11/15/06	0	0.5	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	
IAAP96957	IAAP96957	692056.98	93146.93	11/15/06	0	0.5	0.450	0.45	U	0.450	0.45	U	0.450	0.45	U	0.450	0.45	U	0.450	0.45	U	
IAAP96958	IAAP96958	692074.54	93130.61	11/15/06	0	0.5	0.470	0.47	U	0.470	0.47	U	0.470	0.47	U	0.470	0.47	U	0.470	0.47	U	
IAAP96959	IAAP96959	COMPOSITE	COMPOSITE	11/14/06	0	0.5	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	
IAAP96960	IAAP96960	692088.53	93112.41	11/15/06	0	0.5	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	
IAAP96961	IAAP96961	COMPOSITE	COMPOSITE	11/13/06	0	0.5	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	
IAAP96962	IAAP96962	COMPOSITE	COMPOSITE	11/13/06	0	0.5	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	
IAAP96963	IAAP96963	COMPOSITE	COMPOSITE	11/13/06	0	0.5	0.380	0.38	U	0.380	0.38	U	0.380	0.38	U	0.380	0.38	U	0.380	0.38	U	
IAAP96964	IAAP96964	691985.83	93063.1	11/13/06	0	0.5	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	
IAAP96966	IAAP96966	691954.93	93007.81	11/13/06	0	0.5	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	
IAAP96968	IAAP96968	691938.96	93067.14	11/13/06	0	0.5	0.350	0.35	U	0.350	0.35	U	0.350	0.35	U	0.350	0.35	U	0.350	0.35	U	
IAAP96969	IAAP96969	691938.96	93067.14	11/13/06	1	2	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	
IAAP96970	IAAP96970	691909.48	93056.65	11/13/06	0	0.5	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	
IAAP96976	IAAP96976	COMPOSITE	COMPOSITE	11/14/06	0	0.5	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	
IAAP96977	IAAP96977	COMPOSITE	COMPOSITE	11/14/06	0	0.5	0.490	0.49	U	0.490	0.49	U	0.490	0.49	U	0.490	0.49	U	0.490	0.49	U	
IAAP96979	IAAP96979	691795.01	93119.57	11/14/06	0	0.5	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	
IAAP96980	IAAP96980	691808.87	93106.84	11/14/06	0	0.5	0.360	0.36	U	0.360	0.36	U	0.360	0.36	U	0.360	0.36	U	0.360	0.36	U	
IAAP96987	IAAP96987	691941.32	92118.25	11/14/06	0	0.5	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	
IAAP96988	IAAP96988	691954.34	92114.71	11/14/06	0	0.5	0.350	0.35	U	0.350	0.35	U	0.350	0.35	U	0.350	0.35	U	0.350	0.35	U	
IAAP96989	IAAP96989	691876.63	92299.46	11/14/06	0	0.5	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	
IAAP96990	IAAP96990	691858.09	92325.86	11/14/06	0	0.5	0.450	0.45	U	0.450	0.45	U	0.450	0.45	U	0.450	0.45	U	0.048	0.45	=	
IAAP96992	IAAP96992	COMPOSITE	COMPOSITE	11/14/06	0	0.5	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	
IAAP96994	IAAP96994	691857.33	92413.74	11/14/06	0	0.5	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	
IAAP96995	IAAP96995	691870.98	92410.67	11/14/06	0	0.5	0.390	0.39	U	0.390	0.39	U	0.390	0.39	U	0.390	0.39	U	0.390	0.39	U	
IAAP96996	IAAP96996	COMPOSITE	COMPOSITE	11/14/06	0	0.5	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	
IAAP96997	IAAP96997	691844.39	92407.27	11/14/06	0	0.5	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	
IAAP96998	IAAP96998	691728	93303	11/14/06	0	0.5	0.360	0.36	U	0.360	0.36	U	0.360	0.36	U	0.360	0.36	U	0.360	0.36	U	
IAAP97000	IAAP97000	691786.4	93115.72	11/14/06	0	0.5	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	
IAAP97001	IAAP97001	691872	93010	12/18/06	0	0.5	0.360	0.36	U	0.360	0.36	U	0.360	0.36	U	0.360	0.36	U	0.360	0.36	U	
IAAP97002	IAAP97002	691884	93003	12/18/06	0	0.5	0.350	0.35	U	0.350	0.35	U	0.350	0.35	U	0.350	0.35	U	0.350	0.35	U	
IAAP97003	IAAP97003	691888	92995	12/18/06	0	0.5	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	

Table B-1-3. FUSRAP Post-Excavation Soil Characterization Data Remaining for Semivolatile Organic Compounds at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	2,4-DNT			2,6-DNT			2-Chloronaphthalene			2-Chlorophenol			2-Methylnaphthalene			
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							8.7	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:							7,400	---	---	1,500	---	---	60,000	---	---	5,800	---	---	3,000	---	---	
<i>Eco CC^c:</i>							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
IAAP97010	IAAP97010	691891	92892	12/19/06	0	0.5	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	
IAAP97011	IAAP97011	691900	92879	12/19/06	0	0.5	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	
IAAP97012	IAAP97012	691889	92913	12/19/06	0	0.5	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	
IAAP97013	IAAP97013	691813	92905	12/18/06	0	0.5	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	
IAAP97015	IAAP97015	691688	92824	12/18/06	0	0.5	0.350	0.35	U	0.350	0.35	U	0.350	0.35	U	0.350	0.35	U	0.350	0.35	U	
IAAP97019	IAAP97019	691689	92747	12/18/06	0	0.5	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	
IAAP97020	IAAP97020	691695	92744	12/18/06	0	0.5	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	
IAAP97021	IAAP97021	691719	92718	12/18/06	0	0.5	0.450	0.45	U	0.450	0.45	U	0.450	0.45	U	0.450	0.45	U	0.450	0.45	U	
IAAP97024	IAAP97024	691745	92709	12/18/06	0	0.5	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	
IAAP97025	IAAP97025	691718	92783	12/18/06	0	0.5	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	
IAAP97027	IAAP97027	691942	92676	12/19/06	0	0.5	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	
IAAP97035	IAAP97035	691972	92575	12/19/06	0	0.5	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	
IAAP97036	IAAP97036	692052.2	92417.45	12/19/06	0	0.5	0.360	0.36	U	0.360	0.36	U	0.360	0.36	U	0.360	0.36	U	0.360	0.36	U	
IAAP97037	IAAP97037	692060	92421.6	12/19/06	0	0.5	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	
IAAP97038	IAAP97038	692004	92424	12/19/06	0	0.5	0.450	0.45	U	0.450	0.45	U	0.450	0.45	U	0.450	0.45	U	0.450	0.45	U	
IAAP97043	IAAP97043	692015	92390	12/19/06	0	0.5	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	
IAAP97044	IAAP97044	692035	92385	12/19/06	0	0.5	0.460	0.46	U	0.460	0.46	U	0.460	0.46	U	0.460	0.46	U	0.460	0.46	U	
IAAP97045	IAAP97045	692065	92323	12/19/06	0	0.5	0.390	0.39	U	0.390	0.39	U	0.390	0.39	U	0.390	0.39	U	0.390	0.39	U	
IAAP97046	IAAP97046	692051	92339	12/19/06	0	0.5	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	
IAAP97047	IAAP97047	692057.8	92401	12/19/06	0	0.5	0.350	0.35	U	0.350	0.35	U	0.350	0.35	U	0.350	0.35	U	0.350	0.35	U	
IAAP98247	IAAP98247	691977	92312	12/19/06	0	0.5	0.460	0.46	U	0.460	0.46	U	0.460	0.46	U	0.460	0.46	U	0.460	0.46	U	
IAAP98248	IAAP98248	691976.1	92379.2	12/19/06	0	0.5	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	
IAAP98249	IAAP98249	691962	92426.6	12/19/06	0	0.5	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	
IAAP98260	IAAP98260	691719	92537	12/18/06	0	0.5	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	
IAAP98261	IAAP98261	691626	92692	12/18/06	0	0.5	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	
IAAP98262	IAAP98262	691633	92751	12/18/06	0	0.5	0.450	0.45	U	0.450	0.45	U	0.450	0.45	U	0.450	0.45	U	0.450	0.45	U	
IAAP98263	IAAP98263	691582	92869	12/18/06	0	0.5	1.300	1.3	U	1.300	1.3	U	1.300	1.3	U	1.300	1.3	U	1.300	1.3	U	
IAAP98264	IAAP98264	691518	93097	12/18/06	0	0.5	0.540	0.54	U	0.540	0.54	U	0.540	0.54	U	0.540	0.54	U	0.540	0.54	U	
IAAP98266	IAAP98266	691878	92578	12/18/06	0	0.5	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	
IAAP98274	IAAP98274	691733.32	93424.71	12/20/06	0	0.5	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	
IAAP99926	IAAP99926	691883.9	92993.3	04/15/07	0	0.5	0.037	0.037	U	0.037	0.037	U	0.037	0.037	U	0.037	0.037	U	0.037	0.037	U	
IAAP99944	IAAP99944	691972.36	92388.37	04/16/07	0	0.5	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	
IAAP99945	IAAP99945	691960.61	92352.76	04/16/07	0	0.5	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	
IAAP99946	IAAP99946	691934.21	92423.44	04/16/07	0	0.5	0.480	0.48	U	0.480	0.48	U	0.480	0.48	U	0.480	0.48	U	0.480	0.48	U	
IAAP99947	IAAP99947	691975.93	92282.92	04/16/07	0	0.5	0.380	0.38	U	0.380	0.38	U	0.380	0.38	U	0.380	0.38	U	0.380	0.38	U	
IAAP99948	IAAP99948	691980.56	92235.25	04/16/07	0	0.5	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	

Table B-1-3. FUSRAP Post-Excavation Soil Characterization Data Remaining for Semivolatile Organic Compounds at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	2,4-DNT			2,6-DNT			2-Chloronaphthalene			2-Chlorophenol			2-Methylnaphthalene			
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							8.7	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:							7,400	---	---	1,500	---	---	60,000	---	---	5,800	---	---	3,000	---	---	
<i>Eco CC^c:</i>							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
IAAP99949	IAAP99949	691884.19	92483.11	04/16/07	0	0.5	0.470	0.47	U	0.470	0.47	U	0.470	0.47	U	0.470	0.47	U	0.470	0.47	U	
IAAP99950	IAAP99950	691854.98	92504.08	04/16/07	0	0.5	0.670	0.67	U	0.670	0.67	U	0.670	0.67	U	0.670	0.67	U	0.670	0.67	U	
IAAP99951	IAAP99951	691887.23	92383.87	04/16/07	0	0.5	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	
IAAP99952	IAAP99952	691893.47	92351.89	04/16/07	0	0.5	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	
IAAP99953	IAAP99953	691815.83	92443.83	04/16/07	0	0.5	0.500	0.5	U	0.500	0.5	U	0.500	0.5	U	0.500	0.5	U	0.500	0.5	U	
IAAP99954	IAAP99954	691827.15	92460.05	04/16/07	0	0.5	0.042	0.042	U	0.042	0.042	U	0.042	0.042	U	0.042	0.042	U	0.042	0.042	U	
IAAP99955	IAAP99955	691872.9	92318.95	04/16/07	0	0.5	0.039	0.039	U	0.039	0.039	U	0.039	0.039	U	0.039	0.039	U	0.039	0.039	U	
IAAP99956	IAAP99956	691871.07	92238.22	04/16/07	0	0.5	0.051	0.051	U	0.051	0.051	U	0.051	0.051	U	0.051	0.051	U	0.051	0.051	U	
IAAP99957	IAAP99957	691898.56	92243.32	04/16/07	0	0.5	0.048	0.048	U	0.048	0.048	U	0.048	0.048	U	0.048	0.048	U	0.048	0.048	U	
IAAP99958	IAAP99958	691936.17	92258.58	04/16/07	0	0.5	0.051	0.051	U	0.051	0.051	U	0.051	0.051	U	0.051	0.051	U	0.051	0.051	U	
Maximum Reported Concentration (Detects and Non-Detects):							1.300	---	U	1.300	---	U	1.300	---	U	1.300	---	U	1.300	---	U	
Maximum Detected Concentration:							NA	---	---	NA	---	---	NA	---	---	NA	---	---	NA	---	---	
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0):							0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection):							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Number of Sample Results Greater than USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0):							0	---	---	0	---	---	0	---	---	0	---	---	0	---	---	
Number of Sample Results Greater than Ecological Critical Concentration:							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	

^a Gray-shaded concentrations exceed the corresponding IAAAP OU-1 ROD RGs protective of an industrial worker ingesting soil (Harza 1998).

^b Concentrations in **bold** exceed the corresponding RSLs (USEPA 2018a) protective of an industrial worker exposed to soil via ingestion, dermal contact, and dust inhalation.

^c Concentrations in *italics* exceed the corresponding Eco CCs calculated for the WBPS.

Notes:

"---" Indicates that there is no comparison value available.

All results and comparison values are in mg/kg.

NA - Maximum detected result is not available because all results reported for the parameter are non-detect.

VQ symbols indicate: "==" positive identification, positive quantitation, no reason to estimate,

"U" non-detect, no reason to estimate, "J" positive identification, estimated quantitation, "UJ" analyte was not detected and had QC deficiencies.

Table B-1-3. FUSRAP Post-Excavation Soil Characterization Data Remaining for Semivolatile Organic Compounds at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	2-Methylphenol			2-Nitroaniline			2-Nitrophenol			3,3'-Dichlorobenzidine			3-Nitroaniline			
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:							41,000	---	---	8,000	---	---	---	---	---	5,100	---	---	---	---	---	---
<i>Eco CC^c:</i>							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
IAAP100014	IAAP100014	691782.68	93186	03/29/07	0	0.5	0.380	0.38	U	1.800	1.8	U	0.380	0.38	U	1.800	1.8	UJ	1.800	1.8	UJ	
IAAP100015	IAAP100015	691786.76	93173.01	03/29/07	0	0.5	0.430	0.43	U	2.100	2.1	U	0.430	0.43	U	2.100	2.1	UJ	2.100	2.1	UJ	
IAAP100017	IAAP100017	691788.4	93108.61	03/29/07	0	0.5	0.360	0.36	U	1.700	1.7	U	0.360	0.36	U	1.700	1.7	UJ	1.700	1.7	UJ	
IAAP100018	IAAP100018	691799.22	93143.77	03/29/07	0	0.5	0.390	0.39	U	1.900	1.9	U	0.390	0.39	U	1.900	1.9	UJ	1.900	1.9	UJ	
IAAP100036	IAAP103993	691949.6	92924.92	06/05/07	1	2	0.410	0.41	U	2.000	2	U	0.410	0.41	U	2.000	2	UJ	2.000	2	UJ	
IAAP100046	IAAP100046	691996.61	93031.05	03/23/07	0	0.5	0.430	0.43	U	2.100	2.1	U	0.430	0.43	U	2.100	2.1	UJ	2.100	2.1	UJ	
IAAP100048	IAAP100048	691996.18	93025.73	03/23/07	0	0.5	0.430	0.43	U	2.100	2.1	U	0.430	0.43	U	2.100	2.1	UJ	2.100	2.1	UJ	
IAAP100049	IAAP100049	692061.44	93004.97	03/23/07	0	0.5	0.410	0.41	U	2.000	2	U	0.410	0.41	U	2.000	2	UJ	2.000	2	UJ	
IAAP100050	IAAP100050	692056.39	92980.91	03/23/07	0	0.5	0.410	0.41	U	2.000	2	U	0.410	0.41	U	2.000	2	UJ	2.000	2	UJ	
IAAP100098	IAAP100098	692028.71	92529.77	04/15/07	0	0.5	0.044	0.044	U	0.044	0.044	U	0.044	0.044	U	0.044	0.044	U	0.044	0.044	U	
IAAP100099	IAAP100099	692024.8	92529.01	04/15/07	0	0.5	0.046	0.046	U	0.046	0.046	U	0.046	0.046	U	0.046	0.046	U	0.046	0.046	U	
IAAP100103	IAAP100103	691732.21	92673.65	04/16/07	0	0.5	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U	
IAAP100104	IAAP100104	691734.09	92661.56	04/16/07	0	0.5	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U	
IAAP100105	IAAP100105	691740.39	92663.06	04/16/07	0	0.5	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U	
IAAP100106	IAAP100106	692077.92	92392.37	04/16/07	0	0.5	0.035	0.035	U	0.035	0.035	U	0.035	0.035	U	0.035	0.035	U	0.035	0.035	U	
IAAP100107	IAAP100107	692073.96	92394.18	04/16/07	0	0.5	0.036	0.036	U	0.036	0.036	U	0.036	0.036	U	0.036	0.036	U	0.036	0.036	U	
IAAP100108	IAAP100108	692069.83	92386.12	04/16/07	0	0.5	0.056	0.056	U	0.056	0.056	U	0.056	0.056	U	0.056	0.056	U	0.056	0.056	U	
IAAP100117	IAAP100117	691657.49	92890.56	04/03/07	0	0.5	0.042	0.042	U	0.042	0.042	U	0.042	0.042	U	0.042	0.042	U	0.042	0.042	U	
IAAP100119	IAAP100119	691886.46	92908.5	04/16/07	0	0.5	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U	
IAAP100120	IAAP100120	691892.27	92915.15	04/16/07	0	0.5	0.044	0.044	U	0.044	0.044	U	0.044	0.044	U	0.044	0.044	U	0.044	0.044	U	
IAAP100121	IAAP100121	691883.8	92915.71	04/16/07	0	0.5	0.045	0.045	U	0.045	0.045	U	0.045	0.045	U	0.045	0.045	U	0.045	0.045	U	
IAAP100123	IAAP100123	691874.49	93011.94	04/15/07	0	0.5	0.037	0.037	U	0.037	0.037	U	0.037	0.037	U	0.037	0.037	U	0.037	0.037	U	
IAAP100125	IAAP100125	691890.75	92991.72	04/11/07	0	0.5	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U	
IAAP103908	IAAP103908	691778.4	93191.87	05/29/07	0	0.5	0.380	0.38	U	1.900	1.9	U	0.380	0.38	U	1.900	1.9	U	1.900	1.9	U	
IAAP103910	IAAP103910	691938.61	93076.7	05/29/07	0	0.5	0.340	0.34	U	1.700	1.7	U	0.340	0.34	U	1.700	1.7	U	1.700	1.7	U	
IAAP103911	IAAP103911	691932.25	93063.5	05/29/07	0	0.5	0.370	0.37	U	1.800	1.8	U	0.370	0.37	U	1.800	1.8	U	1.800	1.8	U	
IAAP103911	IAAP103991	691932.25	93063.5	06/05/07	1	2	0.390	0.39	U	1.900	1.9	U	0.390	0.39	U	1.900	1.9	UJ	1.900	1.9	UJ	
IAAP103914	IAAP103914	691947.43	93012.67	05/29/07	0	0.5	0.420	0.42	U	2.000	2	U	0.420	0.42	U	2.000	2	U	2.000	2	U	
IAAP103916	IAAP103916	691983.74	93024.23	05/29/07	0	0.5	0.370	0.37	U	1.800	1.8	U	0.370	0.37	U	1.800	1.8	U	1.800	1.8	U	
IAAP103917	IAAP103917	691993.16	93019.08	05/29/07	0	0.5	0.400	0.4	U	1.900	1.9	U	0.400	0.4	U	1.900	1.9	U	1.900	1.9	U	
IAAP103918	IAAP103918	691995.13	93038.88	05/29/07	0	0.5	0.440	0.44	U	2.100	2.1	U	0.440	0.44	U	2.100	2.1	U	2.100	2.1	U	
IAAP103923	IAAP103923	691890.59	93003.72	05/30/07	0	0.5	0.360	0.36	U	1.700	1.7	U	0.360	0.36	U	1.700	1.7	U	1.700	1.7	U	
IAAP103924	IAAP103924	691875.87	92999.03	05/30/07	0	0.5	0.340	0.34	U	1.700	1.7	U	0.340	0.34	U	1.700	1.7	U	1.700	1.7	U	
IAAP103927	IAAP103927	691895.22	92989.4	05/30/07	0	0.5	0.380	0.38	U	1.800	1.8	U	0.380	0.38	U	1.800	1.8	U	1.800	1.8	U	
IAAP103930	IAAP103930	691900.09	92911.11	05/30/07	0	0.5	0.420	0.42	U	2.100	2.1	U	0.420	0.42	U	2.100	2.1	U	2.100	2.1	U	
IAAP103931	IAAP103931	691897.02	92918.97	05/30/07	0	0.5	0.430	0.43	U	2.100	2.1	U	0.430	0.43	U	2.100	2.1	U	2.100	2.1	U	

Table B-1-3. FUSRAP Post-Excavation Soil Characterization Data Remaining for Semivolatile Organic Compounds at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	2-Methylphenol			2-Nitroaniline			2-Nitrophenol			3,3'-Dichlorobenzidine			3-Nitroaniline			
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:							41,000	---	---	8,000	---	---	---	---	---	5,100	---	---	---	---	---	---
<i>Eco CC^c:</i>							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
IAAP103941	IAAP103941	691708	92792	06/05/07	0	0.5	0.480	0.48	U	2.300	2.3	U	0.480	0.48	U	2.300	2.3	UJ	2.300	2.3	UJ	
IAAP103942	IAAP103942	691705.9	92790.11	06/05/07	0	0.5	0.450	0.45	U	2.200	2.2	U	0.450	0.45	U	2.200	2.2	UJ	2.200	2.2	UJ	
IAAP103943	IAAP103943	691703.83	92788.7	06/05/07	0	0.5	0.400	0.4	U	2.000	2	U	0.400	0.4	U	2.000	2	UJ	2.000	2	UJ	
IAAP103944	IAAP103944	691708.53	92787.68	06/05/07	0	0.5	0.440	0.44	U	2.100	2.1	U	0.440	0.44	U	2.100	2.1	UJ	2.100	2.1	UJ	
IAAP103949	IAAP103949	691656.88	92924.64	05/30/07	0	0.5	0.410	0.41	U	2.000	2	U	0.410	0.41	U	2.000	2	U	2.000	2	U	
IAAP103950	IAAP103950	691649.22	92942.43	05/30/07	0	0.5	0.370	0.37	U	1.800	1.8	U	0.370	0.37	U	1.800	1.8	U	1.800	1.8	U	
IAAP103951	IAAP103951	691637.62	92967.26	05/30/07	0	0.5	0.410	0.41	U	2.000	2	U	0.410	0.41	U	2.000	2	U	2.000	2	U	
IAAP103952	IAAP103952	691865.78	92664.13	06/05/07	0	0.5	0.440	0.44	U	2.100	2.1	U	0.440	0.44	U	2.100	2.1	UJ	2.100	2.1	UJ	
IAAP103953	IAAP103953	691871.78	92672.56	06/05/07	0	0.5	0.390	0.39	U	1.900	1.9	U	0.390	0.39	U	1.900	1.9	UJ	1.900	1.9	UJ	
IAAP103967	IAAP103967	692063.43	92392.21	05/31/07	0	0.5	0.410	0.41	U	2.000	2	U	0.410	0.41	U	2.000	2	U	2.000	2	U	
IAAP103968	IAAP103968	692078.65	92374.24	05/31/07	0	0.5	0.420	0.42	U	2.000	2	U	0.420	0.42	U	2.000	2	U	2.000	2	U	
IAAP103969	IAAP103969	692016.53	92256.62	05/31/07	0	0.5	0.440	0.44	U	2.200	2.2	U	0.440	0.44	U	2.200	2.2	U	2.200	2.2	U	
IAAP103970	IAAP103970	691999.44	92298.14	05/31/07	0	0.5	0.440	0.44	U	2.200	2.2	U	0.440	0.44	U	2.200	2.2	U	2.200	2.2	U	
IAAP103971	IAAP103971	691986.99	92341.35	05/31/07	0	0.5	0.420	0.42	U	2.000	2	U	0.420	0.42	U	2.000	2	U	2.000	2	U	
IAAP103972	IAAP103972	691952.26	92326.31	05/31/07	0	0.5	0.410	0.41	U	2.000	2	U	0.410	0.41	U	2.000	2	U	2.000	2	U	
IAAP103973	IAAP103973	691921.12	92305.41	05/31/07	0	0.5	0.440	0.44	U	2.100	2.1	U	0.440	0.44	U	2.100	2.1	U	2.100	2.1	U	
IAAP103974	IAAP103974	691897.41	92378.59	05/31/07	0	0.5	0.410	0.41	U	2.000	2	U	0.410	0.41	U	2.000	2	U	2.000	2	U	
IAAP103975	IAAP103975	691944.38	92098.79	05/31/07	0	0.5	0.430	0.43	U	2.100	2.1	U	0.430	0.43	U	2.100	2.1	U	2.100	2.1	U	
IAAP103976	IAAP103976	691822.5	92425.05	05/31/07	0	0.5	0.430	0.43	U	2.100	2.1	U	0.430	0.43	U	2.100	2.1	U	2.100	2.1	U	
IAAP103977	IAAP103977	691812.21	92455.45	05/31/07	0	0.5	0.430	0.43	U	2.100	2.1	U	0.430	0.43	U	2.100	2.1	U	2.100	2.1	U	
IAAP103978	IAAP103978	691885.27	92272.64	05/31/07	0	0.5	0.430	0.43	U	2.100	2.1	U	0.430	0.43	U	2.100	2.1	U	2.100	2.1	U	
IAAP103979	IAAP103979	691850.87	92305.71	05/31/07	0	0.5	0.400	0.4	U	2.000	2	U	0.400	0.4	U	2.000	2	U	2.000	2	U	
IAAP103980	IAAP103980	691950.01	92383.95	05/31/07	0	0.5	0.440	0.44	U	2.100	2.1	U	0.440	0.44	U	2.100	2.1	U	2.100	2.1	U	
IAAP103981	IAAP103981	691938.67	92369.23	05/31/07	0	0.5	0.440	0.44	U	2.100	2.1	U	0.440	0.44	U	2.100	2.1	U	2.100	2.1	U	
IAAP103982	IAAP103982	691854.52	92524.36	05/31/07	0	0.5	0.420	0.42	U	2.000	2	U	0.420	0.42	U	2.000	2	U	2.000	2	U	
IAAP103983	IAAP103983	691816.94	92510.02	05/31/07	0	0.5	1.000	1	U	5.000	5	U	1.000	1	U	5.000	5	U	5.000	5	U	
IAAP103984	IAAP103984	691862.73	92475.37	05/31/07	0	0.5	0.430	0.43	U	2.100	2.1	U	0.430	0.43	U	2.100	2.1	U	2.100	2.1	U	
IAAP136603	IAAP100047	691990.48	93027.37	03/23/07	0	0.5	0.400	0.4	U	1.900	1.9	U	0.400	0.4	U	1.900	1.9	UJ	1.900	1.9	UJ	
IAAP96931	IAAP96931	691967.16	93373.53	11/15/06	0	0.5	0.410	0.41	U	2.000	2	U	0.410	0.41	U	2.000	2	U	2.000	2	U	
IAAP96932	IAAP96932	691951.14	93368.38	11/15/06	0	0.5	0.460	0.46	U	2.200	2.2	U	0.460	0.46	U	2.200	2.2	U	2.200	2.2	U	
IAAP96934	IAAP96934	COMPOSITE	COMPOSITE	11/15/06	0	0.5	0.380	0.38	U	1.800	1.8	U	0.380	0.38	U	1.800	1.8	U	1.800	1.8	U	
IAAP96935	IAAP96935	691894.02	93328.08	11/15/06	0	0.5	0.370	0.37	U	1.800	1.8	U	0.370	0.37	U	1.800	1.8	U	1.800	1.8	U	
IAAP96936	IAAP96936	COMPOSITE	COMPOSITE	11/15/06	0	0.5	0.440	0.44	U	2.100	2.1	U	0.440	0.44	U	2.100	2.1	U	2.100	2.1	U	
IAAP96937	IAAP96937	COMPOSITE	COMPOSITE	11/13/06	0	0.5	0.370	0.37	U	1.800	1.8	U	0.370	0.37	U	1.800	1.8	U	1.800	1.8	U	
IAAP96938	IAAP96938	691840.29	93270.4	11/13/06	0	0.5	0.440	0.44	U	2.100	2.1	U	0.440	0.44	U	2.100	2.1	U	2.100	2.1	U	
IAAP96939	IAAP96939	691831.83	93298.23	11/13/06	0	0.5	0.360	0.36	U	1.800	1.8	U	0.360	0.36	U	1.800	1.8	U	1.800	1.8	U	

Table B-1-3. FUSRAP Post-Excavation Soil Characterization Data Remaining for Semivolatile Organic Compounds at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	2-Methylphenol			2-Nitroaniline			2-Nitrophenol			3,3'-Dichlorobenzidine			3-Nitroaniline			
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:							41,000	---	---	8,000	---	---	---	---	---	5,100	---	---	---	---	---	---
<i>Eco CC^c:</i>							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
IAAP96940	IAAP96940	691832.3	93342.32	11/13/06	0	0.5	0.370	0.37	U	1.800	1.8	U	0.370	0.37	U	1.800	1.8	U	1.800	1.8	U	
IAAP96941	IAAP96941	691814.66	93317.23	11/13/06	0	0.5	0.420	0.42	U	2.000	2	U	0.420	0.42	U	2.000	2	U	2.000	2	U	
IAAP96942	IAAP96942	691838.97	93244.84	11/13/06	0	0.5	0.410	0.41	U	2.000	2	U	0.410	0.41	U	2.000	2	U	2.000	2	U	
IAAP96952	IAAP96952	692127.71	93042.61	11/15/06	0	0.5	0.340	0.34	UJ	1.700	1.7	UJ	0.340	0.34	UJ	1.700	1.7	UJ	1.700	1.7	UJ	
IAAP96953	IAAP96953	692116.38	93011.84	11/15/06	0	0.5	0.400	0.4	UJ	1.900	1.9	UJ	0.400	0.4	UJ	1.900	1.9	UJ	1.900	1.9	UJ	
IAAP96955	IAAP96955	692175.68	92981.55	11/15/06	0	0.5	0.420	0.42	U	2.000	2	U	0.420	0.42	U	2.000	2	U	2.000	2	U	
IAAP96957	IAAP96957	692056.98	93146.93	11/15/06	0	0.5	0.450	0.45	U	2.200	2.2	U	0.450	0.45	U	2.200	2.2	U	2.200	2.2	U	
IAAP96958	IAAP96958	692074.54	93130.61	11/15/06	0	0.5	0.470	0.47	U	2.300	2.3	U	0.470	0.47	U	2.300	2.3	U	2.300	2.3	U	
IAAP96959	IAAP96959	COMPOSITE	COMPOSITE	11/14/06	0	0.5	0.400	0.4	U	1.900	1.9	U	0.400	0.4	U	1.900	1.9	U	1.900	1.9	U	
IAAP96960	IAAP96960	692088.53	93112.41	11/15/06	0	0.5	0.420	0.42	U	2.000	2	U	0.420	0.42	U	2.000	2	U	2.000	2	U	
IAAP96961	IAAP96961	COMPOSITE	COMPOSITE	11/13/06	0	0.5	0.410	0.41	U	2.000	2	U	0.410	0.41	U	2.000	2	U	2.000	2	U	
IAAP96962	IAAP96962	COMPOSITE	COMPOSITE	11/13/06	0	0.5	0.400	0.4	U	2.000	2	U	0.400	0.4	U	2.000	2	U	2.000	2	U	
IAAP96963	IAAP96963	COMPOSITE	COMPOSITE	11/13/06	0	0.5	0.380	0.38	U	1.900	1.9	U	0.380	0.38	U	1.900	1.9	U	1.900	1.9	U	
IAAP96964	IAAP96964	691985.83	93063.1	11/13/06	0	0.5	0.410	0.41	U	2.000	2	U	0.410	0.41	U	2.000	2	U	2.000	2	U	
IAAP96966	IAAP96966	691954.93	93007.81	11/13/06	0	0.5	0.420	0.42	U	2.000	2	U	0.420	0.42	U	2.000	2	U	2.000	2	U	
IAAP96968	IAAP96968	691938.96	93067.14	11/13/06	0	0.5	0.350	0.35	U	1.700	1.7	U	0.350	0.35	U	1.700	1.7	U	1.700	1.7	U	
IAAP96969	IAAP96969	691938.96	93067.14	11/13/06	1	2	0.400	0.4	U	2.000	2	U	0.400	0.4	U	2.000	2	U	2.000	2	U	
IAAP96970	IAAP96970	691909.48	93056.65	11/13/06	0	0.5	0.440	0.44	U	2.100	2.1	U	0.440	0.44	U	2.100	2.1	U	2.100	2.1	U	
IAAP96976	IAAP96976	COMPOSITE	COMPOSITE	11/14/06	0	0.5	0.440	0.44	U	2.100	2.1	U	0.440	0.44	U	2.100	2.1	U	2.100	2.1	U	
IAAP96977	IAAP96977	COMPOSITE	COMPOSITE	11/14/06	0	0.5	0.490	0.49	U	2.400	2.4	U	0.490	0.49	U	2.400	2.4	U	2.400	2.4	U	
IAAP96979	IAAP96979	691795.01	93119.57	11/14/06	0	0.5	0.420	0.42	U	2.000	2	U	0.420	0.42	U	2.000	2	U	2.000	2	U	
IAAP96980	IAAP96980	691808.87	93106.84	11/14/06	0	0.5	0.360	0.36	U	1.700	1.7	U	0.360	0.36	U	1.700	1.7	U	1.700	1.7	U	
IAAP96987	IAAP96987	691941.32	92118.25	11/14/06	0	0.5	0.430	0.43	U	2.100	2.1	U	0.430	0.43	U	2.100	2.1	U	2.100	2.1	U	
IAAP96988	IAAP96988	691954.34	92114.71	11/14/06	0	0.5	0.350	0.35	U	1.700	1.7	U	0.350	0.35	U	1.700	1.7	U	1.700	1.7	U	
IAAP96989	IAAP96989	691876.63	92299.46	11/14/06	0	0.5	0.400	0.4	U	2.000	2	U	0.400	0.4	U	2.000	2	U	2.000	2	U	
IAAP96990	IAAP96990	691858.09	92325.86	11/14/06	0	0.5	0.450	0.45	U	2.200	2.2	U	0.450	0.45	U	2.200	2.2	U	2.200	2.2	U	
IAAP96992	IAAP96992	COMPOSITE	COMPOSITE	11/14/06	0	0.5	0.370	0.37	U	1.800	1.8	U	0.370	0.37	U	1.800	1.8	U	1.800	1.8	U	
IAAP96994	IAAP96994	691857.33	92413.74	11/14/06	0	0.5	0.370	0.37	U	1.800	1.8	U	0.370	0.37	U	1.800	1.8	U	1.800	1.8	U	
IAAP96995	IAAP96995	691870.98	92410.67	11/14/06	0	0.5	0.390	0.39	U	1.900	1.9	U	0.390	0.39	U	1.900	1.9	U	1.900	1.9	U	
IAAP96996	IAAP96996	COMPOSITE	COMPOSITE	11/14/06	0	0.5	0.420	0.42	U	2.000	2	U	0.420	0.42	U	2.000	2	U	2.000	2	U	
IAAP96997	IAAP96997	691844.39	92407.27	11/14/06	0	0.5	0.370	0.37	U	1.800	1.8	U	0.370	0.37	U	1.800	1.8	U	1.800	1.8	U	
IAAP96998	IAAP96998	691728	93303	11/14/06	0	0.5	0.360	0.36	U	1.700	1.7	U	0.360	0.36	U	1.700	1.7	U	1.700	1.7	U	
IAAP97000	IAAP97000	691786.4	93115.72	11/14/06	0	0.5	0.440	0.44	U	2.100	2.1	U	0.440	0.44	U	2.100	2.1	U	2.100	2.1	U	
IAAP97001	IAAP97001	691872	93010	12/18/06	0	0.5	0.360	0.36	U	1.800	1.8	U	0.360	0.36	U	1.800	1.8	UJ	1.800	1.8	U	
IAAP97002	IAAP97002	691884	93003	12/18/06	0	0.5	0.350	0.35	U	1.700	1.7	U	0.350	0.35	U	1.700	1.7	UJ	1.700	1.7	U	
IAAP97003	IAAP97003	691888	92995	12/18/06	0	0.5	0.400	0.4	U	2.000	2	U	0.400	0.4	U	2.000	2	UJ	2.000	2	U	

Table B-1-3. FUSRAP Post-Excavation Soil Characterization Data Remaining for Semivolatile Organic Compounds at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	2-Methylphenol			2-Nitroaniline			2-Nitrophenol			3,3'-Dichlorobenzidine			3-Nitroaniline			
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:							41,000	---	---	8,000	---	---	---	---	---	5,100	---	---	---	---	---	---
<i>Eco CC^c:</i>							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
IAAP97010	IAAP97010	691891	92892	12/19/06	0	0.5	0.410	0.41	U	2.000	2	U	0.410	0.41	U	2.000	2	U	2.000	2	U	
IAAP97011	IAAP97011	691900	92879	12/19/06	0	0.5	0.420	0.42	U	2.100	2.1	U	0.420	0.42	U	2.100	2.1	U	2.100	2.1	U	
IAAP97012	IAAP97012	691889	92913	12/19/06	0	0.5	0.430	0.43	U	2.100	2.1	U	0.430	0.43	U	2.100	2.1	U	2.100	2.1	U	
IAAP97013	IAAP97013	691813	92905	12/18/06	0	0.5	0.370	0.37	U	1.800	1.8	U	0.370	0.37	U	1.800	1.8	UJ	1.800	1.8	U	
IAAP97015	IAAP97015	691688	92824	12/18/06	0	0.5	0.350	0.35	U	1.700	1.7	U	0.350	0.35	U	1.700	1.7	UJ	1.700	1.7	U	
IAAP97019	IAAP97019	691689	92747	12/18/06	0	0.5	0.440	0.44	U	2.100	2.1	U	0.440	0.44	U	2.100	2.1	UJ	2.100	2.1	U	
IAAP97020	IAAP97020	691695	92744	12/18/06	0	0.5	0.430	0.43	U	2.100	2.1	U	0.430	0.43	U	2.100	2.1	UJ	2.100	2.1	U	
IAAP97021	IAAP97021	691719	92718	12/18/06	0	0.5	0.450	0.45	U	2.200	2.2	U	0.450	0.45	U	2.200	2.2	UJ	2.200	2.2	U	
IAAP97024	IAAP97024	691745	92709	12/18/06	0	0.5	0.440	0.44	U	2.100	2.1	U	0.440	0.44	U	2.100	2.1	UJ	2.100	2.1	U	
IAAP97025	IAAP97025	691718	92783	12/18/06	0	0.5	0.440	0.44	U	2.100	2.1	U	0.440	0.44	U	2.100	2.1	UJ	2.100	2.1	U	
IAAP97027	IAAP97027	691942	92676	12/19/06	0	0.5	0.430	0.43	U	2.100	2.1	U	0.430	0.43	U	2.100	2.1	U	2.100	2.1	U	
IAAP97035	IAAP97035	691972	92575	12/19/06	0	0.5	0.430	0.43	U	2.100	2.1	U	0.430	0.43	U	2.100	2.1	U	2.100	2.1	U	
IAAP97036	IAAP97036	692052.2	92417.45	12/19/06	0	0.5	0.360	0.36	U	1.700	1.7	U	0.360	0.36	U	1.700	1.7	U	1.700	1.7	U	
IAAP97037	IAAP97037	692060	92421.6	12/19/06	0	0.5	0.370	0.37	U	1.800	1.8	U	0.370	0.37	U	1.800	1.8	U	1.800	1.8	U	
IAAP97038	IAAP97038	692004	92424	12/19/06	0	0.5	0.450	0.45	U	2.200	2.2	U	0.450	0.45	U	2.200	2.2	U	2.200	2.2	U	
IAAP97043	IAAP97043	692015	92390	12/19/06	0	0.5	0.410	0.41	U	2.000	2	U	0.410	0.41	U	2.000	2	U	2.000	2	U	
IAAP97044	IAAP97044	692035	92385	12/19/06	0	0.5	0.460	0.46	U	2.200	2.2	U	0.460	0.46	U	2.200	2.2	U	2.200	2.2	U	
IAAP97045	IAAP97045	692065	92323	12/19/06	0	0.5	0.390	0.39	U	1.900	1.9	U	0.390	0.39	U	1.900	1.9	U	1.900	1.9	U	
IAAP97046	IAAP97046	692051	92339	12/19/06	0	0.5	0.440	0.44	U	2.100	2.1	U	0.440	0.44	U	2.100	2.1	U	2.100	2.1	U	
IAAP97047	IAAP97047	692057.8	92401	12/19/06	0	0.5	0.350	0.35	U	1.700	1.7	U	0.350	0.35	U	1.700	1.7	U	1.700	1.7	U	
IAAP98247	IAAP98247	691977	92312	12/19/06	0	0.5	0.460	0.46	U	2.200	2.2	U	0.460	0.46	U	2.200	2.2	U	2.200	2.2	U	
IAAP98248	IAAP98248	691976.1	92379.2	12/19/06	0	0.5	0.430	0.43	U	2.100	2.1	U	0.430	0.43	U	2.100	2.1	U	2.100	2.1	U	
IAAP98249	IAAP98249	691962	92426.6	12/19/06	0	0.5	0.440	0.44	U	2.100	2.1	U	0.440	0.44	U	2.100	2.1	U	2.100	2.1	U	
IAAP98260	IAAP98260	691719	92537	12/18/06	0	0.5	0.400	0.4	U	1.900	1.9	U	0.400	0.4	U	1.900	1.9	UJ	1.900	1.9	U	
IAAP98261	IAAP98261	691626	92692	12/18/06	0	0.5	0.410	0.41	U	2.000	2	U	0.410	0.41	U	2.000	2	UJ	2.000	2	U	
IAAP98262	IAAP98262	691633	92751	12/18/06	0	0.5	0.450	0.45	U	2.200	2.2	U	0.450	0.45	U	2.200	2.2	UJ	2.200	2.2	U	
IAAP98263	IAAP98263	691582	92869	12/18/06	0	0.5	1.300	1.3	U	6.100	6.1	U	1.300	1.3	U	6.100	6.1	UJ	6.100	6.1	U	
IAAP98264	IAAP98264	691518	93097	12/18/06	0	0.5	0.540	0.54	U	2.600	2.6	U	0.540	0.54	U	2.600	2.6	UJ	2.600	2.6	U	
IAAP98266	IAAP98266	691878	92578	12/18/06	0	0.5	0.420	0.42	U	2.100	2.1	U	0.420	0.42	U	2.100	2.1	UJ	2.100	2.1	U	
IAAP98274	IAAP98274	691733.32	93424.71	12/20/06	0	0.5	0.370	0.37	U	1.800	1.8	U	0.370	0.37	U	1.800	1.8	U	1.800	1.8	U	
IAAP99926	IAAP99926	691883.9	92993.3	04/15/07	0	0.5	0.037	0.037	U	0.037	0.037	U	0.037	0.037	U	0.037	0.037	U	0.037	0.037	U	
IAAP99944	IAAP99944	691972.36	92388.37	04/16/07	0	0.5	0.440	0.44	U	2.100	2.1	U	0.440	0.44	U	2.100	2.1	UJ	2.100	2.1	U	
IAAP99945	IAAP99945	691960.61	92352.76	04/16/07	0	0.5	0.410	0.41	U	2.000	2	U	0.410	0.41	U	2.000	2	UJ	2.000	2	U	
IAAP99946	IAAP99946	691934.21	92423.44	04/16/07	0	0.5	0.480	0.48	U	2.300	2.3	U	0.480	0.48	U	2.300	2.3	UJ	2.300	2.3	U	
IAAP99947	IAAP99947	691975.93	92282.92	04/16/07	0	0.5	0.380	0.38	U	1.800	1.8	U	0.380	0.38	U	1.800	1.8	UJ	1.800	1.8	U	
IAAP99948	IAAP99948	691980.56	92235.25	04/16/07	0	0.5	0.420	0.42	U	2.000	2	U	0.420	0.42	U	2.000	2	U	2.000	2	U	

Table B-1-3. FUSRAP Post-Excavation Soil Characterization Data Remaining for Semivolatile Organic Compounds at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	2-Methylphenol			2-Nitroaniline			2-Nitrophenol			3,3'-Dichlorobenzidine			3-Nitroaniline		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:							41,000	---	---	8,000	---	---	---	---	---	5,100	---	---	---	---	---
<i>Eco CC^c:</i>							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
IAAP99949	IAAP99949	691884.19	92483.11	04/16/07	0	0.5	0.470	0.47	U	2.300	2.3	U	0.470	0.47	U	2.300	2.3	U	2.300	2.3	U
IAAP99950	IAAP99950	691854.98	92504.08	04/16/07	0	0.5	0.670	0.67	U	3.300	3.3	U	0.670	0.67	U	3.300	3.3	U	3.300	3.3	U
IAAP99951	IAAP99951	691887.23	92383.87	04/16/07	0	0.5	0.400	0.4	U	2.000	2	U	0.400	0.4	U	2.000	2	U	2.000	2	U
IAAP99952	IAAP99952	691893.47	92351.89	04/16/07	0	0.5	0.420	0.42	U	2.000	2	U	0.420	0.42	U	2.000	2	U	2.000	2	U
IAAP99953	IAAP99953	691815.83	92443.83	04/16/07	0	0.5	0.500	0.5	U	2.400	2.4	U	0.500	0.5	U	2.400	2.4	U	2.400	2.4	U
IAAP99954	IAAP99954	691827.15	92460.05	04/16/07	0	0.5	0.042	0.042	U	0.042	0.042	U	0.042	0.042	U	0.042	0.042	U	0.042	0.042	U
IAAP99955	IAAP99955	691872.9	92318.95	04/16/07	0	0.5	0.039	0.039	U	0.039	0.039	U	0.039	0.039	U	0.039	0.039	U	0.039	0.039	U
IAAP99956	IAAP99956	691871.07	92238.22	04/16/07	0	0.5	0.051	0.051	U	0.051	0.051	U	0.051	0.051	U	0.051	0.051	U	0.051	0.051	U
IAAP99957	IAAP99957	691898.56	92243.32	04/16/07	0	0.5	0.048	0.048	U	0.048	0.048	U	0.048	0.048	U	0.048	0.048	U	0.048	0.048	U
IAAP99958	IAAP99958	691936.17	92258.58	04/16/07	0	0.5	0.051	0.051	U	0.051	0.051	U	0.051	0.051	U	0.051	0.051	U	0.051	0.051	U
Maximum Reported Concentration (Detects and Non-Detects):							1.300	---	U	6.100	---	U	1.300	---	U	6.100	---	UJ	6.100	---	U
Maximum Detected Concentration:							NA	---	---	NA	---	---	NA	---	---	NA	---	---	NA	---	---
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0):							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection):							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Number of Sample Results Greater than USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0):							0	---	---	0	---	---	---	---	---	0	---	---	---	---	---
Number of Sample Results Greater than Ecological Critical Concentration:							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

^a Gray-shaded concentrations exceed the corresponding IAAAP OU-1 ROD RGs protective of an industrial worker ingesting soil (Harza 1998).

^b Concentrations in **bold** exceed the corresponding RSLs (USEPA 2018a) protective of an industrial worker exposed to soil via ingestion, dermal contact, and dust inhalation.

^c Concentrations in *italics* exceed the corresponding Eco CCs calculated for the WBPS.

Notes:

"---" Indicates that there is no comparison value available.

All results and comparison values are in mg/kg.

NA - Maximum detected result is not available because all results reported for the parameter are non-detect.

VQ symbols indicate: "—" positive identification, positive quantitation, no reason to estimate,

"U" non-detect, no reason to estimate, "J" positive identification, estimated quantitation, "UJ" analyte was not detected and had QC deficiencies.

Table B-1-3. FUSRAP Post-Excavation Soil Characterization Data Remaining for Semivolatile Organic Compounds at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	4,4'-Methylene-bis(2-chloroaniline)			4,6-Dinitro-2-methylphenol			4-Bromophenyl phenyl ether			4-Chloro-3-methylphenol		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							---	---	---	---	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:							2,300	---	---	66	---	---	---	---	---	82,000	---	---
<i>Eco CC^c:</i>							---	---	---	---	---	---	---	---	---	---	---	---
IAAP100014	IAAP100014	691782.68	93186	03/29/07	0	0.5	0.380	0.38	U	1.800	1.8	U	0.380	0.38	U	0.380	0.38	U
IAAP100015	IAAP100015	691786.76	93173.01	03/29/07	0	0.5	0.430	0.43	U	2.100	2.1	U	0.430	0.43	U	0.430	0.43	U
IAAP100017	IAAP100017	691788.4	93108.61	03/29/07	0	0.5	0.360	0.36	U	1.700	1.7	U	0.360	0.36	U	0.360	0.36	U
IAAP100018	IAAP100018	691799.22	93143.77	03/29/07	0	0.5	0.390	0.39	U	1.900	1.9	U	0.390	0.39	U	0.390	0.39	U
IAAP100036	IAAP103993	691949.6	92924.92	06/05/07	1	2	0.410	0.41	U	2.000	2	U	0.410	0.41	U	0.410	0.41	U
IAAP100046	IAAP100046	691996.61	93031.05	03/23/07	0	0.5	0.430	0.43	U	2.100	2.1	U	0.430	0.43	U	0.430	0.43	U
IAAP100048	IAAP100048	691996.18	93025.73	03/23/07	0	0.5	0.430	0.43	U	2.100	2.1	U	0.430	0.43	U	0.430	0.43	U
IAAP100049	IAAP100049	692061.44	93004.97	03/23/07	0	0.5	0.410	0.41	U	2.000	2	U	0.410	0.41	U	0.410	0.41	U
IAAP100050	IAAP100050	692056.39	92980.91	03/23/07	0	0.5	0.410	0.41	U	2.000	2	U	0.410	0.41	U	0.410	0.41	U
IAAP100098	IAAP100098	692028.71	92529.77	04/15/07	0	0.5	0.130	0.13	U	0.440	0.44	U	0.044	0.044	U	0.044	0.044	U
IAAP100099	IAAP100099	692024.8	92529.01	04/15/07	0	0.5	0.140	0.14	U	0.450	0.45	U	0.046	0.046	U	0.046	0.046	U
IAAP100103	IAAP100103	691732.21	92673.65	04/16/07	0	0.5	0.130	0.13	U	0.430	0.43	U	0.043	0.043	U	0.043	0.043	U
IAAP100104	IAAP100104	691734.09	92661.56	04/16/07	0	0.5	0.130	0.13	U	0.430	0.43	U	0.043	0.043	U	0.043	0.043	U
IAAP100105	IAAP100105	691740.39	92663.06	04/16/07	0	0.5	0.130	0.13	U	0.430	0.43	U	0.043	0.043	U	0.043	0.043	U
IAAP100106	IAAP100106	692077.92	92392.37	04/16/07	0	0.5	0.100	0.1	U	0.350	0.35	U	0.035	0.035	U	0.035	0.035	U
IAAP100107	IAAP100107	692073.96	92394.18	04/16/07	0	0.5	0.110	0.11	U	0.360	0.36	U	0.036	0.036	U	0.036	0.036	U
IAAP100108	IAAP100108	692069.83	92386.12	04/16/07	0	0.5	0.160	0.16	U	0.550	0.55	U	0.056	0.056	U	0.056	0.056	U
IAAP100117	IAAP100117	691657.49	92890.56	04/03/07	0	0.5	0.120	0.12	U	0.420	0.42	U	0.042	0.042	U	0.042	0.042	U
IAAP100119	IAAP100119	691886.46	92908.5	04/16/07	0	0.5	0.130	0.13	U	0.430	0.43	U	0.043	0.043	U	0.043	0.043	U
IAAP100120	IAAP100120	691892.27	92915.15	04/16/07	0	0.5	0.130	0.13	U	0.430	0.43	U	0.044	0.044	U	0.044	0.044	U
IAAP100121	IAAP100121	691883.8	92915.71	04/16/07	0	0.5	0.130	0.13	U	0.440	0.44	U	0.045	0.045	U	0.045	0.045	U
IAAP100123	IAAP100123	691874.49	93011.94	04/15/07	0	0.5	0.110	0.11	U	0.370	0.37	U	0.037	0.037	U	0.037	0.037	U
IAAP100125	IAAP100125	691890.75	92991.72	04/11/07	0	0.5	0.130	0.13	U	0.430	0.43	U	0.043	0.043	U	0.043	0.043	U
IAAP103908	IAAP103908	691778.4	93191.87	05/29/07	0	0.5	0.380	0.38	U	1.900	1.9	U	0.380	0.38	U	0.380	0.38	U
IAAP103910	IAAP103910	691938.61	93076.7	05/29/07	0	0.5	0.340	0.34	U	1.700	1.7	U	0.340	0.34	U	0.340	0.34	U
IAAP103911	IAAP103911	691932.25	93063.5	05/29/07	0	0.5	0.370	0.37	U	1.800	1.8	U	0.370	0.37	U	0.370	0.37	U
IAAP103911	IAAP103991	691932.25	93063.5	06/05/07	1	2	0.390	0.39	U	1.900	1.9	U	0.390	0.39	U	0.390	0.39	U
IAAP103914	IAAP103914	691947.43	93012.67	05/29/07	0	0.5	0.420	0.42	U	2.000	2	U	0.420	0.42	U	0.420	0.42	U
IAAP103916	IAAP103916	691983.74	93024.23	05/29/07	0	0.5	0.370	0.37	U	1.800	1.8	U	0.370	0.37	U	0.370	0.37	U
IAAP103917	IAAP103917	691993.16	93019.08	05/29/07	0	0.5	0.400	0.4	U	1.900	1.9	U	0.400	0.4	U	0.400	0.4	U
IAAP103918	IAAP103918	691995.13	93038.88	05/29/07	0	0.5	0.440	0.44	U	2.100	2.1	U	0.440	0.44	U	0.440	0.44	U
IAAP103923	IAAP103923	691890.59	93003.72	05/30/07	0	0.5	0.360	0.36	U	1.700	1.7	U	0.360	0.36	U	0.360	0.36	U
IAAP103924	IAAP103924	691875.87	92999.03	05/30/07	0	0.5	0.340	0.34	U	1.700	1.7	U	0.340	0.34	U	0.340	0.34	U
IAAP103927	IAAP103927	691895.22	92989.4	05/30/07	0	0.5	0.380	0.38	U	1.800	1.8	U	0.380	0.38	U	0.380	0.38	U
IAAP103930	IAAP103930	691900.09	92911.11	05/30/07	0	0.5	0.420	0.42	U	2.100	2.1	U	0.420	0.42	U	0.420	0.42	U
IAAP103931	IAAP103931	691897.02	92918.97	05/30/07	0	0.5	0.430	0.43	U	2.100	2.1	U	0.430	0.43	U	0.430	0.43	U

Table B-1-3. FUSRAP Post-Excavation Soil Characterization Data Remaining for Semivolatile Organic Compounds at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	4,4'-Methylene-bis(2-chloroaniline)			4,6-Dinitro-2-methylphenol			4-Bromophenyl phenyl ether			4-Chloro-3-methylphenol		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							---	---	---	---	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:							2,300	---	---	66	---	---	---	---	---	82,000	---	---
<i>Eco CC^c:</i>							---	---	---	---	---	---	---	---	---	---	---	---
IAAP103941	IAAP103941	691708	92792	06/05/07	0	0.5	0.480	0.48	U	2.300	2.3	U	0.480	0.48	U	0.480	0.48	U
IAAP103942	IAAP103942	691705.9	92790.11	06/05/07	0	0.5	0.450	0.45	U	2.200	2.2	U	0.450	0.45	U	0.450	0.45	U
IAAP103943	IAAP103943	691703.83	92788.7	06/05/07	0	0.5	0.400	0.4	U	2.000	2	U	0.400	0.4	U	0.400	0.4	U
IAAP103944	IAAP103944	691708.53	92787.68	06/05/07	0	0.5	0.440	0.44	U	2.100	2.1	U	0.440	0.44	U	0.440	0.44	U
IAAP103949	IAAP103949	691656.88	92924.64	05/30/07	0	0.5	0.410	0.41	U	2.000	2	U	0.410	0.41	U	0.410	0.41	U
IAAP103950	IAAP103950	691649.22	92942.43	05/30/07	0	0.5	0.370	0.37	U	1.800	1.8	U	0.370	0.37	U	0.370	0.37	U
IAAP103951	IAAP103951	691637.62	92967.26	05/30/07	0	0.5	0.410	0.41	U	2.000	2	U	0.410	0.41	U	0.410	0.41	U
IAAP103952	IAAP103952	691865.78	92664.13	06/05/07	0	0.5	0.440	0.44	U	2.100	2.1	U	0.440	0.44	U	0.440	0.44	U
IAAP103953	IAAP103953	691871.78	92672.56	06/05/07	0	0.5	0.390	0.39	U	1.900	1.9	U	0.390	0.39	U	0.390	0.39	U
IAAP103967	IAAP103967	692063.43	92392.21	05/31/07	0	0.5	0.410	0.41	U	2.000	2	U	0.410	0.41	U	0.410	0.41	U
IAAP103968	IAAP103968	692078.65	92374.24	05/31/07	0	0.5	0.420	0.42	U	2.000	2	U	0.420	0.42	U	0.420	0.42	U
IAAP103969	IAAP103969	692016.53	92256.62	05/31/07	0	0.5	0.440	0.44	U	2.200	2.2	U	0.440	0.44	U	0.440	0.44	U
IAAP103970	IAAP103970	691999.44	92298.14	05/31/07	0	0.5	0.440	0.44	U	2.200	2.2	U	0.440	0.44	U	0.440	0.44	U
IAAP103971	IAAP103971	691986.99	92341.35	05/31/07	0	0.5	0.420	0.42	U	2.000	2	U	0.420	0.42	U	0.420	0.42	U
IAAP103972	IAAP103972	691952.26	92326.31	05/31/07	0	0.5	0.410	0.41	U	2.000	2	U	0.410	0.41	U	0.410	0.41	U
IAAP103973	IAAP103973	691921.12	92305.41	05/31/07	0	0.5	0.440	0.44	U	2.100	2.1	U	0.440	0.44	U	0.440	0.44	U
IAAP103974	IAAP103974	691897.41	92378.59	05/31/07	0	0.5	0.410	0.41	U	2.000	2	U	0.410	0.41	U	0.410	0.41	U
IAAP103975	IAAP103975	691944.38	92098.79	05/31/07	0	0.5	0.430	0.43	U	2.100	2.1	U	0.430	0.43	U	0.430	0.43	U
IAAP103976	IAAP103976	691822.5	92425.05	05/31/07	0	0.5	0.430	0.43	U	2.100	2.1	U	0.430	0.43	U	0.430	0.43	U
IAAP103977	IAAP103977	691812.21	92455.45	05/31/07	0	0.5	0.430	0.43	U	2.100	2.1	U	0.430	0.43	U	0.430	0.43	U
IAAP103978	IAAP103978	691885.27	92272.64	05/31/07	0	0.5	0.430	0.43	U	2.100	2.1	U	0.430	0.43	U	0.430	0.43	U
IAAP103979	IAAP103979	691850.87	92305.71	05/31/07	0	0.5	0.400	0.4	U	2.000	2	U	0.400	0.4	U	0.400	0.4	U
IAAP103980	IAAP103980	691950.01	92383.95	05/31/07	0	0.5	0.440	0.44	U	2.100	2.1	U	0.440	0.44	U	0.440	0.44	U
IAAP103981	IAAP103981	691938.67	92369.23	05/31/07	0	0.5	0.440	0.44	U	2.100	2.1	U	0.440	0.44	U	0.440	0.44	U
IAAP103982	IAAP103982	691854.52	92524.36	05/31/07	0	0.5	0.420	0.42	U	2.000	2	U	0.420	0.42	U	0.420	0.42	U
IAAP103983	IAAP103983	691816.94	92510.02	05/31/07	0	0.5	1.000	1	U	5.000	5	U	1.000	1	U	1.000	1	U
IAAP103984	IAAP103984	691862.73	92475.37	05/31/07	0	0.5	0.430	0.43	U	2.100	2.1	U	0.430	0.43	U	0.430	0.43	U
IAAP136603	IAAP100047	691990.48	93027.37	03/23/07	0	0.5	0.400	0.4	U	1.900	1.9	U	0.400	0.4	U	0.400	0.4	U
IAAP96931	IAAP96931	691967.16	93373.53	11/15/06	0	0.5				2.000	2	U	0.410	0.41	U	0.410	0.41	U
IAAP96932	IAAP96932	691951.14	93368.38	11/15/06	0	0.5				2.200	2.2	U	0.460	0.46	U	0.460	0.46	U
IAAP96934	IAAP96934	COMPOSITE	COMPOSITE	11/15/06	0	0.5				1.800	1.8	U	0.380	0.38	U	0.380	0.38	U
IAAP96935	IAAP96935	691894.02	93328.08	11/15/06	0	0.5				1.800	1.8	U	0.370	0.37	U	0.370	0.37	U
IAAP96936	IAAP96936	COMPOSITE	COMPOSITE	11/15/06	0	0.5				2.100	2.1	U	0.440	0.44	U	0.440	0.44	U
IAAP96937	IAAP96937	COMPOSITE	COMPOSITE	11/13/06	0	0.5				1.800	1.8	U	0.370	0.37	U	0.370	0.37	U
IAAP96938	IAAP96938	691840.29	93270.4	11/13/06	0	0.5				2.100	2.1	U	0.440	0.44	U	0.440	0.44	U
IAAP96939	IAAP96939	691831.83	93298.23	11/13/06	0	0.5				1.800	1.8	U	0.360	0.36	U	0.360	0.36	U

Table B-1-3. FUSRAP Post-Excavation Soil Characterization Data Remaining for Semivolatile Organic Compounds at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	4,4'-Methylene-bis(2-chloroaniline)			4,6-Dinitro-2-methylphenol			4-Bromophenyl phenyl ether			4-Chloro-3-methylphenol		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							---	---	---	---	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:							2,300	---	---	66	---	---	---	---	---	82,000	---	---
<i>Eco CC^c:</i>							---	---	---	---	---	---	---	---	---	---	---	---
IAAP96940	IAAP96940	691832.3	93342.32	11/13/06	0	0.5				1.800	1.8	U	0.370	0.37	U	0.370	0.37	U
IAAP96941	IAAP96941	691814.66	93317.23	11/13/06	0	0.5				2.000	2	U	0.420	0.42	U	0.420	0.42	U
IAAP96942	IAAP96942	691838.97	93244.84	11/13/06	0	0.5				2.000	2	U	0.410	0.41	U	0.410	0.41	U
IAAP96952	IAAP96952	692127.71	93042.61	11/15/06	0	0.5				1.700	1.7	UJ	0.340	0.34	UJ	0.340	0.34	UJ
IAAP96953	IAAP96953	692116.38	93011.84	11/15/06	0	0.5				1.900	1.9	UJ	0.400	0.4	UJ	0.400	0.4	UJ
IAAP96955	IAAP96955	692175.68	92981.55	11/15/06	0	0.5				2.000	2	U	0.420	0.42	U	0.420	0.42	U
IAAP96957	IAAP96957	692056.98	93146.93	11/15/06	0	0.5				2.200	2.2	U	0.450	0.45	U	0.450	0.45	U
IAAP96958	IAAP96958	692074.54	93130.61	11/15/06	0	0.5				2.300	2.3	U	0.470	0.47	U	0.470	0.47	U
IAAP96959	IAAP96959	COMPOSITE	COMPOSITE	11/14/06	0	0.5				1.900	1.9	U	0.400	0.4	U	0.400	0.4	U
IAAP96960	IAAP96960	692088.53	93112.41	11/15/06	0	0.5				2.000	2	U	0.420	0.42	U	0.420	0.42	U
IAAP96961	IAAP96961	COMPOSITE	COMPOSITE	11/13/06	0	0.5				2.000	2	U	0.410	0.41	U	0.410	0.41	U
IAAP96962	IAAP96962	COMPOSITE	COMPOSITE	11/13/06	0	0.5				2.000	2	U	0.400	0.4	U	0.400	0.4	U
IAAP96963	IAAP96963	COMPOSITE	COMPOSITE	11/13/06	0	0.5				1.900	1.9	U	0.380	0.38	U	0.380	0.38	U
IAAP96964	IAAP96964	691985.83	93063.1	11/13/06	0	0.5				2.000	2	U	0.410	0.41	U	0.410	0.41	U
IAAP96966	IAAP96966	691954.93	93007.81	11/13/06	0	0.5				2.000	2	U	0.420	0.42	U	0.420	0.42	U
IAAP96968	IAAP96968	691938.96	93067.14	11/13/06	0	0.5				1.700	1.7	U	0.350	0.35	U	0.350	0.35	U
IAAP96969	IAAP96969	691938.96	93067.14	11/13/06	1	2				2.000	2	U	0.400	0.4	U	0.400	0.4	U
IAAP96970	IAAP96970	691909.48	93056.65	11/13/06	0	0.5				2.100	2.1	U	0.440	0.44	U	0.440	0.44	U
IAAP96976	IAAP96976	COMPOSITE	COMPOSITE	11/14/06	0	0.5				2.100	2.1	U	0.440	0.44	U	0.440	0.44	U
IAAP96977	IAAP96977	COMPOSITE	COMPOSITE	11/14/06	0	0.5				2.400	2.4	U	0.490	0.49	U	0.490	0.49	U
IAAP96979	IAAP96979	691795.01	93119.57	11/14/06	0	0.5				2.000	2	U	0.420	0.42	U	0.420	0.42	U
IAAP96980	IAAP96980	691808.87	93106.84	11/14/06	0	0.5				1.700	1.7	U	0.360	0.36	U	0.360	0.36	U
IAAP96987	IAAP96987	691941.32	92118.25	11/14/06	0	0.5				2.100	2.1	U	0.430	0.43	U	0.430	0.43	U
IAAP96988	IAAP96988	691954.34	92114.71	11/14/06	0	0.5				1.700	1.7	U	0.350	0.35	U	0.350	0.35	U
IAAP96989	IAAP96989	691876.63	92299.46	11/14/06	0	0.5				2.000	2	U	0.400	0.4	U	0.400	0.4	U
IAAP96990	IAAP96990	691858.09	92325.86	11/14/06	0	0.5				2.200	2.2	U	0.450	0.45	U	0.450	0.45	U
IAAP96992	IAAP96992	COMPOSITE	COMPOSITE	11/14/06	0	0.5				1.800	1.8	U	0.370	0.37	U	0.370	0.37	U
IAAP96994	IAAP96994	691857.33	92413.74	11/14/06	0	0.5				1.800	1.8	U	0.370	0.37	U	0.370	0.37	U
IAAP96995	IAAP96995	691870.98	92410.67	11/14/06	0	0.5				1.900	1.9	U	0.390	0.39	U	0.390	0.39	U
IAAP96996	IAAP96996	COMPOSITE	COMPOSITE	11/14/06	0	0.5				2.000	2	U	0.420	0.42	U	0.420	0.42	U
IAAP96997	IAAP96997	691844.39	92407.27	11/14/06	0	0.5				1.800	1.8	U	0.370	0.37	U	0.370	0.37	U
IAAP96998	IAAP96998	691728	93303	11/14/06	0	0.5				1.700	1.7	U	0.360	0.36	U	0.360	0.36	U
IAAP97000	IAAP97000	691786.4	93115.72	11/14/06	0	0.5				2.100	2.1	U	0.440	0.44	U	0.440	0.44	U
IAAP97001	IAAP97001	691872	93010	12/18/06	0	0.5				1.800	1.8	U	0.360	0.36	U	0.360	0.36	U
IAAP97002	IAAP97002	691884	93003	12/18/06	0	0.5				1.700	1.7	U	0.350	0.35	U	0.350	0.35	U
IAAP97003	IAAP97003	691888	92995	12/18/06	0	0.5				2.000	2	U	0.400	0.4	U	0.400	0.4	U

Table B-1-3. FUSRAP Post-Excavation Soil Characterization Data Remaining for Semivolatile Organic Compounds at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	4,4'-Methylene-bis(2-chloroaniline)			4,6-Dinitro-2-methylphenol			4-Bromophenyl phenyl ether			4-Chloro-3-methylphenol		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							---	---	---	---	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:							2,300	---	---	66	---	---	---	---	---	82,000	---	---
<i>Eco CC^c:</i>							---	---	---	---	---	---	---	---	---	---	---	---
IAAP97010	IAAP97010	691891	92892	12/19/06	0	0.5				2.000	2	U	0.410	0.41	U	0.410	0.41	U
IAAP97011	IAAP97011	691900	92879	12/19/06	0	0.5				2.100	2.1	U	0.420	0.42	U	0.420	0.42	U
IAAP97012	IAAP97012	691889	92913	12/19/06	0	0.5				2.100	2.1	U	0.430	0.43	U	0.430	0.43	U
IAAP97013	IAAP97013	691813	92905	12/18/06	0	0.5				1.800	1.8	U	0.370	0.37	U	0.370	0.37	U
IAAP97015	IAAP97015	691688	92824	12/18/06	0	0.5				1.700	1.7	U	0.350	0.35	U	0.350	0.35	U
IAAP97019	IAAP97019	691689	92747	12/18/06	0	0.5				2.100	2.1	U	0.440	0.44	U	0.440	0.44	U
IAAP97020	IAAP97020	691695	92744	12/18/06	0	0.5				2.100	2.1	U	0.430	0.43	U	0.430	0.43	U
IAAP97021	IAAP97021	691719	92718	12/18/06	0	0.5				2.200	2.2	U	0.450	0.45	U	0.450	0.45	U
IAAP97024	IAAP97024	691745	92709	12/18/06	0	0.5				2.100	2.1	U	0.440	0.44	U	0.440	0.44	U
IAAP97025	IAAP97025	691718	92783	12/18/06	0	0.5				2.100	2.1	U	0.440	0.44	U	0.440	0.44	U
IAAP97027	IAAP97027	691942	92676	12/19/06	0	0.5				2.100	2.1	U	0.430	0.43	U	0.430	0.43	U
IAAP97035	IAAP97035	691972	92575	12/19/06	0	0.5				2.100	2.1	U	0.430	0.43	U	0.430	0.43	U
IAAP97036	IAAP97036	692052.2	92417.45	12/19/06	0	0.5				1.700	1.7	U	0.360	0.36	U	0.360	0.36	U
IAAP97037	IAAP97037	692060	92421.6	12/19/06	0	0.5				1.800	1.8	U	0.370	0.37	U	0.370	0.37	U
IAAP97038	IAAP97038	692004	92424	12/19/06	0	0.5				2.200	2.2	U	0.450	0.45	U	0.450	0.45	U
IAAP97043	IAAP97043	692015	92390	12/19/06	0	0.5				2.000	2	U	0.410	0.41	U	0.410	0.41	U
IAAP97044	IAAP97044	692035	92385	12/19/06	0	0.5				2.200	2.2	U	0.460	0.46	U	0.460	0.46	U
IAAP97045	IAAP97045	692065	92323	12/19/06	0	0.5				1.900	1.9	U	0.390	0.39	U	0.390	0.39	U
IAAP97046	IAAP97046	692051	92339	12/19/06	0	0.5				2.100	2.1	U	0.440	0.44	U	0.440	0.44	U
IAAP97047	IAAP97047	692057.8	92401	12/19/06	0	0.5				1.700	1.7	U	0.350	0.35	U	0.350	0.35	U
IAAP98247	IAAP98247	691977	92312	12/19/06	0	0.5				2.200	2.2	U	0.460	0.46	U	0.460	0.46	U
IAAP98248	IAAP98248	691976.1	92379.2	12/19/06	0	0.5				2.100	2.1	U	0.430	0.43	U	0.430	0.43	U
IAAP98249	IAAP98249	691962	92426.6	12/19/06	0	0.5				2.100	2.1	U	0.440	0.44	U	0.440	0.44	U
IAAP98260	IAAP98260	691719	92537	12/18/06	0	0.5				1.900	1.9	U	0.400	0.4	U	0.400	0.4	U
IAAP98261	IAAP98261	691626	92692	12/18/06	0	0.5				2.000	2	U	0.410	0.41	U	0.410	0.41	U
IAAP98262	IAAP98262	691633	92751	12/18/06	0	0.5				2.200	2.2	U	0.450	0.45	U	0.450	0.45	U
IAAP98263	IAAP98263	691582	92869	12/18/06	0	0.5				6.100	6.1	U	1.300	1.3	U	1.300	1.3	U
IAAP98264	IAAP98264	691518	93097	12/18/06	0	0.5				2.600	2.6	U	0.540	0.54	U	0.540	0.54	U
IAAP98266	IAAP98266	691878	92578	12/18/06	0	0.5				2.100	2.1	U	0.420	0.42	U	0.420	0.42	U
IAAP98274	IAAP98274	691733.32	93424.71	12/20/06	0	0.5				1.800	1.8	U	0.370	0.37	U	0.370	0.37	U
IAAP99926	IAAP99926	691883.9	92993.3	04/15/07	0	0.5	0.110	0.11	U	0.370	0.37	U	0.037	0.037	U	0.037	0.037	U
IAAP99944	IAAP99944	691972.36	92388.37	04/16/07	0	0.5	0.440	0.44	U	2.100	2.1	U	0.440	0.44	U	0.440	0.44	U
IAAP99945	IAAP99945	691960.61	92352.76	04/16/07	0	0.5	0.410	0.41	U	2.000	2	U	0.410	0.41	U	0.410	0.41	U
IAAP99946	IAAP99946	691934.21	92423.44	04/16/07	0	0.5	0.480	0.48	U	2.300	2.3	U	0.480	0.48	U	0.480	0.48	U
IAAP99947	IAAP99947	691975.93	92282.92	04/16/07	0	0.5	0.380	0.38	U	1.800	1.8	U	0.380	0.38	U	0.380	0.38	U
IAAP99948	IAAP99948	691980.56	92235.25	04/16/07	0	0.5	0.420	0.42	U	2.000	2	U	0.420	0.42	U	0.420	0.42	U

Table B-1-3. FUSRAP Post-Excavation Soil Characterization Data Remaining for Semivolatile Organic Compounds at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	4,4'-Methylene-bis(2-chloroaniline)			4,6-Dinitro-2-methylphenol			4-Bromophenyl phenyl ether			4-Chloro-3-methylphenol		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							---	---	---	---	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:							2,300	---	---	66	---	---	---	---	---	82,000	---	---
<i>Eco CC^c:</i>							---	---	---	---	---	---	---	---	---	---	---	---
IAAP99949	IAAP99949	691884.19	92483.11	04/16/07	0	0.5	0.470	0.47	U	2.300	2.3	U	0.470	0.47	U	0.470	0.47	U
IAAP99950	IAAP99950	691854.98	92504.08	04/16/07	0	0.5	0.670	0.67	U	3.300	3.3	U	0.670	0.67	U	0.670	0.67	U
IAAP99951	IAAP99951	691887.23	92383.87	04/16/07	0	0.5	0.400	0.4	U	2.000	2	U	0.400	0.4	U	0.400	0.4	U
IAAP99952	IAAP99952	691893.47	92351.89	04/16/07	0	0.5	0.420	0.42	U	2.000	2	U	0.420	0.42	U	0.420	0.42	U
IAAP99953	IAAP99953	691815.83	92443.83	04/16/07	0	0.5	0.500	0.5	U	2.400	2.4	U	0.500	0.5	U	0.500	0.5	U
IAAP99954	IAAP99954	691827.15	92460.05	04/16/07	0	0.5	0.120	0.12	U	0.410	0.41	U	0.042	0.042	U	0.042	0.042	U
IAAP99955	IAAP99955	691872.9	92318.95	04/16/07	0	0.5	0.110	0.11	U	0.380	0.38	U	0.039	0.039	U	0.039	0.039	U
IAAP99956	IAAP99956	691871.07	92238.22	04/16/07	0	0.5	0.150	0.15	U	0.500	0.5	U	0.051	0.051	U	0.051	0.051	U
IAAP99957	IAAP99957	691898.56	92243.32	04/16/07	0	0.5	0.140	0.14	U	0.480	0.48	U	0.048	0.048	U	0.048	0.048	U
IAAP99958	IAAP99958	691936.17	92258.58	04/16/07	0	0.5	0.150	0.15	U	0.500	0.5	U	0.051	0.051	U	0.051	0.051	U
Maximum Reported Concentration (Detects and Non-Detects):							1.000	---	U	6.100	---	U	1.300	---	U	1.300	---	U
Maximum Detected Concentration:							NA	---	---	NA	---	---	NA	---	---	NA	---	---
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0):							---	---	---	---	---	---	---	---	---	---	---	---
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection):							---	---	---	---	---	---	---	---	---	---	---	---
Number of Sample Results Greater than USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0):							0	---	---	0	---	---	---	---	---	0	---	---
Number of Sample Results Greater than Ecological Critical Concentration:							---	---	---	---	---	---	---	---	---	---	---	---

^a Gray-shaded concentrations exceed the corresponding IAAAP OU-1 ROD RGs protective of an industrial worker ingesting soil (Harza 1998).

^b Concentrations in **bold** exceed the corresponding RSLs (USEPA 2018a) protective of an industrial worker exposed to soil via ingestion, dermal contact, and dust inhalation.

^c Concentrations in *italics* exceed the corresponding Eco CCs calculated for the WBPS.

Notes:

"---" Indicates that there is no comparison value available.

All results and comparison values are in mg/kg.

NA - Maximum detected result is not available because all results reported for the parameter are non-detect.

VQ symbols indicate: "==" positive identification, positive quantitation, no reason to estimate,

"U" non-detect, no reason to estimate, "J" positive identification, estimated quantitation, "UJ" analyte was not detected and had QC deficiencies.

Table B-1-3. FUSRAP Post-Excavation Soil Characterization Data Remaining for Semivolatile Organic Compounds at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	4-Chloroaniline			4-Chlorophenyl phenyl ether			4-Methylphenol			4-Nitroaniline			4-Nitrophenol			
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:							1,100	---	---	---	---	---	82,000	---	---	11,000	---	---	---	---	---	---
<i>Eco CC^c:</i>							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
IAAP100014	IAAP100014	691782.68	93186	03/29/07	0	0.5	0.380	0.38	UJ	0.380	0.38	U	0.760	0.76	U	1.800	1.8	U	1.800	1.8	U	
IAAP100015	IAAP100015	691786.76	93173.01	03/29/07	0	0.5	0.430	0.43	UJ	0.430	0.43	U	0.860	0.86	U	2.100	2.1	U	2.100	2.1	U	
IAAP100017	IAAP100017	691788.4	93108.61	03/29/07	0	0.5	0.360	0.36	UJ	0.360	0.36	U	0.720	0.72	U	1.700	1.7	U	1.700	1.7	U	
IAAP100018	IAAP100018	691799.22	93143.77	03/29/07	0	0.5	0.390	0.39	UJ	0.390	0.39	U	0.790	0.79	U	1.900	1.9	U	1.900	1.9	U	
IAAP100036	IAAP103993	691949.6	92924.92	06/05/07	1	2	0.410	0.41	U	0.410	0.41	U	0.830	0.83	U	2.000	2	UJ	2.000	2	U	
IAAP100046	IAAP100046	691996.61	93031.05	03/23/07	0	0.5	0.430	0.43	UJ	0.430	0.43	U	0.850	0.85	U	2.100	2.1	U	2.100	2.1	U	
IAAP100048	IAAP100048	691996.18	93025.73	03/23/07	0	0.5	0.430	0.43	UJ	0.430	0.43	U	0.860	0.86	U	2.100	2.1	U	2.100	2.1	U	
IAAP100049	IAAP100049	692061.44	93004.97	03/23/07	0	0.5	0.410	0.41	UJ	0.410	0.41	U	0.830	0.83	U	2.000	2	U	2.000	2	U	
IAAP100050	IAAP100050	692056.39	92980.91	03/23/07	0	0.5	0.410	0.41	UJ	0.410	0.41	U	0.820	0.82	U	2.000	2	U	2.000	2	U	
IAAP100098	IAAP100098	692028.71	92529.77	04/15/07	0	0.5	0.044	0.044	U	0.044	0.044	U	0.044	0.044	U	0.440	0.44	U	0.440	0.44	U	
IAAP100099	IAAP100099	692024.8	92529.01	04/15/07	0	0.5	0.046	0.046	U	0.046	0.046	U	0.037	0.037	U	0.450	0.45	U	0.450	0.45	U	
IAAP100103	IAAP100103	691732.21	92673.65	04/16/07	0	0.5	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U	0.430	0.43	U	0.430	0.43	U	
IAAP100104	IAAP100104	691734.09	92661.56	04/16/07	0	0.5	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U	0.430	0.43	U	0.430	0.43	U	
IAAP100105	IAAP100105	691740.39	92663.06	04/16/07	0	0.5	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U	0.430	0.43	U	0.430	0.43	U	
IAAP100106	IAAP100106	692077.92	92392.37	04/16/07	0	0.5	0.035	0.035	U	0.035	0.035	U	0.037	0.037	U	0.350	0.35	U	0.350	0.35	U	
IAAP100107	IAAP100107	692073.96	92394.18	04/16/07	0	0.5	0.036	0.036	U	0.036	0.036	U	0.037	0.037	U	0.360	0.36	U	0.360	0.36	U	
IAAP100108	IAAP100108	692069.83	92386.12	04/16/07	0	0.5	0.056	0.056	U	0.056	0.056	U	0.037	0.037	U	0.550	0.55	U	0.550	0.55	U	
IAAP100117	IAAP100117	691657.49	92890.56	04/03/07	0	0.5	0.042	0.042	U	0.042	0.042	U	0.830	0.83	U	0.420	0.42	U	0.420	0.42	U	
IAAP100119	IAAP100119	691886.46	92908.5	04/16/07	0	0.5	0.043	0.043	U	0.043	0.043	U	0.037	0.037	U	0.430	0.43	U	0.430	0.43	U	
IAAP100120	IAAP100120	691892.27	92915.15	04/16/07	0	0.5	0.044	0.044	U	0.044	0.044	U	0.037	0.037	U	0.430	0.43	U	0.430	0.43	U	
IAAP100121	IAAP100121	691883.8	92915.71	04/16/07	0	0.5	0.045	0.045	U	0.045	0.045	U	0.037	0.037	U	0.440	0.44	U	0.440	0.44	U	
IAAP100123	IAAP100123	691874.49	93011.94	04/15/07	0	0.5	0.037	0.037	U	0.037	0.037	U	0.037	0.037	U	0.370	0.37	U	0.370	0.37	U	
IAAP100125	IAAP100125	691890.75	92991.72	04/11/07	0	0.5	0.043	0.043	U	0.043	0.043	U	0.037	0.037	U	0.430	0.43	U	0.430	0.43	U	
IAAP103908	IAAP103908	691778.4	93191.87	05/29/07	0	0.5	0.380	0.38	U	0.380	0.38	U	0.380	0.38	U	1.900	1.9	U	1.900	1.9	U	
IAAP103910	IAAP103910	691938.61	93076.7	05/29/07	0	0.5	0.340	0.34	U	0.340	0.34	U	0.680	0.68	U	1.700	1.7	U	1.700	1.7	U	
IAAP103911	IAAP103911	691932.25	93063.5	05/29/07	0	0.5	0.370	0.37	U	0.370	0.37	U	0.730	0.73	U	1.800	1.8	U	1.800	1.8	U	
IAAP103911	IAAP103991	691932.25	93063.5	06/05/07	1	2	0.390	0.39	U	0.390	0.39	U	0.780	0.78	U	1.900	1.9	UJ	1.900	1.9	U	
IAAP103914	IAAP103914	691947.43	93012.67	05/29/07	0	0.5	0.420	0.42	U	0.420	0.42	U	0.830	0.83	U	2.000	2	U	2.000	2	U	
IAAP103916	IAAP103916	691983.74	93024.23	05/29/07	0	0.5	0.370	0.37	U	0.370	0.37	U	0.740	0.74	U	1.800	1.8	U	1.800	1.8	U	
IAAP103917	IAAP103917	691993.16	93019.08	05/29/07	0	0.5	0.400	0.4	U	0.400	0.4	U	0.800	0.8	U	1.900	1.9	U	1.900	1.9	U	
IAAP103918	IAAP103918	691995.13	93038.88	05/29/07	0	0.5	0.440	0.44	U	0.440	0.44	U	0.880	0.88	U	2.100	2.1	U	2.100	2.1	U	
IAAP103923	IAAP103923	691890.59	93003.72	05/30/07	0	0.5	0.360	0.36	U	0.360	0.36	U	0.360	0.36	U	1.700	1.7	U	1.700	1.7	U	
IAAP103924	IAAP103924	691875.87	92999.03	05/30/07	0	0.5	0.340	0.34	U	0.340	0.34	U	0.340	0.34	U	1.700	1.7	U	1.700	1.7	U	
IAAP103927	IAAP103927	691895.22	92989.4	05/30/07	0	0.5	0.380	0.38	U	0.380	0.38	U	0.380	0.38	U	1.800	1.8	U	1.800	1.8	U	
IAAP103930	IAAP103930	691900.09	92911.11	05/30/07	0	0.5	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	2.100	2.1	U	2.100	2.1	U	
IAAP103931	IAAP103931	691897.02	92918.97	05/30/07	0	0.5	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	2.100	2.1	U	2.100	2.1	U	

Table B-1-3. FUSRAP Post-Excavation Soil Characterization Data Remaining for Semivolatile Organic Compounds at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	4-Chloroaniline			4-Chlorophenyl phenyl ether			4-Methylphenol			4-Nitroaniline			4-Nitrophenol			
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:							1,100	---	---	---	---	---	82,000	---	---	11,000	---	---	---	---	---	---
<i>Eco CC^c:</i>							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
IAAP103941	IAAP103941	691708	92792	06/05/07	0	0.5	0.480	0.48	U	0.480	0.48	U	0.960	0.96	U	2.300	2.3	UJ	2.300	2.3	U	
IAAP103942	IAAP103942	691705.9	92790.11	06/05/07	0	0.5	0.450	0.45	U	0.450	0.45	U	0.890	0.89	U	2.200	2.2	UJ	2.200	2.2	U	
IAAP103943	IAAP103943	691703.83	92788.7	06/05/07	0	0.5	0.400	0.4	U	0.400	0.4	U	0.810	0.81	U	2.000	2	UJ	2.000	2	U	
IAAP103944	IAAP103944	691708.53	92787.68	06/05/07	0	0.5	0.440	0.44	U	0.440	0.44	U	0.870	0.87	U	2.100	2.1	UJ	2.100	2.1	U	
IAAP103949	IAAP103949	691656.88	92924.64	05/30/07	0	0.5	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	2.000	2	U	2.000	2	U	
IAAP103950	IAAP103950	691649.22	92942.43	05/30/07	0	0.5	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	1.800	1.8	U	1.800	1.8	U	
IAAP103951	IAAP103951	691637.62	92967.26	05/30/07	0	0.5	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	2.000	2	U	2.000	2	U	
IAAP103952	IAAP103952	691865.78	92664.13	06/05/07	0	0.5	0.440	0.44	U	0.440	0.44	U	0.880	0.88	U	2.100	2.1	UJ	2.100	2.1	U	
IAAP103953	IAAP103953	691871.78	92672.56	06/05/07	0	0.5	0.390	0.39	U	0.390	0.39	U	0.780	0.78	U	1.900	1.9	UJ	1.900	1.9	U	
IAAP103967	IAAP103967	692063.43	92392.21	05/31/07	0	0.5	0.410	0.41	U	0.410	0.41	U	0.820	0.82	U	2.000	2	U	2.000	2	U	
IAAP103968	IAAP103968	692078.65	92374.24	05/31/07	0	0.5	0.420	0.42	U	0.420	0.42	U	0.840	0.84	U	2.000	2	U	2.000	2	U	
IAAP103969	IAAP103969	692016.53	92256.62	05/31/07	0	0.5	0.440	0.44	U	0.440	0.44	U	0.890	0.89	U	2.200	2.2	U	2.200	2.2	U	
IAAP103970	IAAP103970	691999.44	92298.14	05/31/07	0	0.5	0.440	0.44	U	0.440	0.44	U	0.890	0.89	U	2.200	2.2	U	2.200	2.2	U	
IAAP103971	IAAP103971	691986.99	92341.35	05/31/07	0	0.5	0.420	0.42	U	0.420	0.42	U	0.840	0.84	U	2.000	2	U	2.000	2	U	
IAAP103972	IAAP103972	691952.26	92326.31	05/31/07	0	0.5	0.410	0.41	U	0.410	0.41	U	0.830	0.83	U	2.000	2	U	2.000	2	U	
IAAP103973	IAAP103973	691921.12	92305.41	05/31/07	0	0.5	0.440	0.44	U	0.440	0.44	U	0.890	0.89	U	2.100	2.1	U	2.100	2.1	U	
IAAP103974	IAAP103974	691897.41	92378.59	05/31/07	0	0.5	0.410	0.41	U	0.410	0.41	U	0.820	0.82	U	2.000	2	U	2.000	2	U	
IAAP103975	IAAP103975	691944.38	92098.79	05/31/07	0	0.5	0.430	0.43	U	0.430	0.43	U	0.870	0.87	U	2.100	2.1	U	2.100	2.1	U	
IAAP103976	IAAP103976	691822.5	92425.05	05/31/07	0	0.5	0.430	0.43	U	0.430	0.43	U	0.860	0.86	U	2.100	2.1	U	2.100	2.1	U	
IAAP103977	IAAP103977	691812.21	92455.45	05/31/07	0	0.5	0.430	0.43	U	0.430	0.43	U	0.870	0.87	U	2.100	2.1	U	2.100	2.1	U	
IAAP103978	IAAP103978	691885.27	92272.64	05/31/07	0	0.5	0.430	0.43	U	0.430	0.43	U	0.860	0.86	U	2.100	2.1	U	2.100	2.1	U	
IAAP103979	IAAP103979	691850.87	92305.71	05/31/07	0	0.5	0.400	0.4	U	0.400	0.4	U	0.810	0.81	U	2.000	2	U	2.000	2	U	
IAAP103980	IAAP103980	691950.01	92383.95	05/31/07	0	0.5	0.440	0.44	U	0.440	0.44	U	0.880	0.88	U	2.100	2.1	U	2.100	2.1	U	
IAAP103981	IAAP103981	691938.67	92369.23	05/31/07	0	0.5	0.440	0.44	U	0.440	0.44	U	0.880	0.88	U	2.100	2.1	U	2.100	2.1	U	
IAAP103982	IAAP103982	691854.52	92524.36	05/31/07	0	0.5	0.420	0.42	U	0.420	0.42	U	0.840	0.84	U	2.000	2	U	2.000	2	U	
IAAP103983	IAAP103983	691816.94	92510.02	05/31/07	0	0.5	1.000	1	U	1.000	1	U	2.100	2.1	U	5.000	5	U	5.000	5	U	
IAAP103984	IAAP103984	691862.73	92475.37	05/31/07	0	0.5	0.430	0.43	U	0.430	0.43	U	0.870	0.87	U	2.100	2.1	U	2.100	2.1	U	
IAAP136603	IAAP100047	691990.48	93027.37	03/23/07	0	0.5	0.400	0.4	UJ	0.400	0.4	U	0.800	0.8	U	1.900	1.9	U	1.900	1.9	U	
IAAP96931	IAAP96931	691967.16	93373.53	11/15/06	0	0.5	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	2.000	2	U	2.000	2	U	
IAAP96932	IAAP96932	691951.14	93368.38	11/15/06	0	0.5	0.460	0.46	U	0.460	0.46	U	0.460	0.46	U	2.200	2.2	U	2.200	2.2	U	
IAAP96934	IAAP96934	COMPOSITE	COMPOSITE	11/15/06	0	0.5	0.380	0.38	U	0.380	0.38	U	0.380	0.38	U	1.800	1.8	U	1.800	1.8	U	
IAAP96935	IAAP96935	691894.02	93328.08	11/15/06	0	0.5	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	1.800	1.8	U	1.800	1.8	U	
IAAP96936	IAAP96936	COMPOSITE	COMPOSITE	11/15/06	0	0.5	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	2.100	2.1	U	2.100	2.1	U	
IAAP96937	IAAP96937	COMPOSITE	COMPOSITE	11/13/06	0	0.5	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	1.800	1.8	U	1.800	1.8	U	
IAAP96938	IAAP96938	691840.29	93270.4	11/13/06	0	0.5	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	2.100	2.1	U	2.100	2.1	U	
IAAP96939	IAAP96939	691831.83	93298.23	11/13/06	0	0.5	0.360	0.36	U	0.360	0.36	U	0.360	0.36	U	1.800	1.8	U	1.800	1.8	U	

Table B-1-3. FUSRAP Post-Excavation Soil Characterization Data Remaining for Semivolatile Organic Compounds at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	4-Chloroaniline			4-Chlorophenyl phenyl ether			4-Methylphenol			4-Nitroaniline			4-Nitrophenol			
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:							1,100	---	---	---	---	---	82,000	---	---	11,000	---	---	---	---	---	
<i>Eco CC^c:</i>							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
IAAP96940	IAAP96940	691832.3	93342.32	11/13/06	0	0.5	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	1.800	1.8	U	1.800	1.8	U	
IAAP96941	IAAP96941	691814.66	93317.23	11/13/06	0	0.5	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	2.000	2	U	2.000	2	U	
IAAP96942	IAAP96942	691838.97	93244.84	11/13/06	0	0.5	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	2.000	2	U	2.000	2	U	
IAAP96952	IAAP96952	692127.71	93042.61	11/15/06	0	0.5	0.340	0.34	UJ	0.340	0.34	UJ	0.340	0.34	UJ	1.700	1.7	UJ	1.700	1.7	UJ	
IAAP96953	IAAP96953	692116.38	93011.84	11/15/06	0	0.5	0.400	0.4	UJ	0.400	0.4	UJ	0.400	0.4	UJ	1.900	1.9	UJ	1.900	1.9	UJ	
IAAP96955	IAAP96955	692175.68	92981.55	11/15/06	0	0.5	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	2.000	2	U	2.000	2	U	
IAAP96957	IAAP96957	692056.98	93146.93	11/15/06	0	0.5	0.450	0.45	U	0.450	0.45	U	0.450	0.45	U	2.200	2.2	U	2.200	2.2	U	
IAAP96958	IAAP96958	692074.54	93130.61	11/15/06	0	0.5	0.470	0.47	U	0.470	0.47	U	0.470	0.47	U	2.300	2.3	U	2.300	2.3	U	
IAAP96959	IAAP96959	COMPOSITE	COMPOSITE	11/14/06	0	0.5	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	1.900	1.9	U	1.900	1.9	U	
IAAP96960	IAAP96960	692088.53	93112.41	11/15/06	0	0.5	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	2.000	2	U	2.000	2	U	
IAAP96961	IAAP96961	COMPOSITE	COMPOSITE	11/13/06	0	0.5	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	2.000	2	U	2.000	2	U	
IAAP96962	IAAP96962	COMPOSITE	COMPOSITE	11/13/06	0	0.5	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	2.000	2	U	2.000	2	U	
IAAP96963	IAAP96963	COMPOSITE	COMPOSITE	11/13/06	0	0.5	0.380	0.38	U	0.380	0.38	U	0.380	0.38	U	1.900	1.9	U	1.900	1.9	U	
IAAP96964	IAAP96964	691985.83	93063.1	11/13/06	0	0.5	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	2.000	2	U	2.000	2	U	
IAAP96966	IAAP96966	691954.93	93007.81	11/13/06	0	0.5	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	2.000	2	U	2.000	2	U	
IAAP96968	IAAP96968	691938.96	93067.14	11/13/06	0	0.5	0.350	0.35	U	0.350	0.35	U	0.350	0.35	U	1.700	1.7	U	1.700	1.7	U	
IAAP96969	IAAP96969	691938.96	93067.14	11/13/06	1	2	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	2.000	2	U	2.000	2	U	
IAAP96970	IAAP96970	691909.48	93056.65	11/13/06	0	0.5	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	2.100	2.1	U	2.100	2.1	U	
IAAP96976	IAAP96976	COMPOSITE	COMPOSITE	11/14/06	0	0.5	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	2.100	2.1	U	2.100	2.1	U	
IAAP96977	IAAP96977	COMPOSITE	COMPOSITE	11/14/06	0	0.5	0.490	0.49	U	0.490	0.49	U	0.490	0.49	U	2.400	2.4	U	2.400	2.4	U	
IAAP96979	IAAP96979	691795.01	93119.57	11/14/06	0	0.5	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	2.000	2	U	2.000	2	U	
IAAP96980	IAAP96980	691808.87	93106.84	11/14/06	0	0.5	0.360	0.36	U	0.360	0.36	U	0.360	0.36	U	1.700	1.7	U	1.700	1.7	U	
IAAP96987	IAAP96987	691941.32	92118.25	11/14/06	0	0.5	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	2.100	2.1	U	2.100	2.1	U	
IAAP96988	IAAP96988	691954.34	92114.71	11/14/06	0	0.5	0.350	0.35	U	0.350	0.35	U	0.350	0.35	U	1.700	1.7	U	1.700	1.7	U	
IAAP96989	IAAP96989	691876.63	92299.46	11/14/06	0	0.5	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	2.000	2	U	2.000	2	U	
IAAP96990	IAAP96990	691858.09	92325.86	11/14/06	0	0.5	0.450	0.45	U	0.450	0.45	U	0.450	0.45	U	2.200	2.2	U	2.200	2.2	U	
IAAP96992	IAAP96992	COMPOSITE	COMPOSITE	11/14/06	0	0.5	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	1.800	1.8	U	1.800	1.8	U	
IAAP96994	IAAP96994	691857.33	92413.74	11/14/06	0	0.5	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	1.800	1.8	U	1.800	1.8	U	
IAAP96995	IAAP96995	691870.98	92410.67	11/14/06	0	0.5	0.390	0.39	U	0.390	0.39	U	0.390	0.39	U	1.900	1.9	U	1.900	1.9	U	
IAAP96996	IAAP96996	COMPOSITE	COMPOSITE	11/14/06	0	0.5	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	2.000	2	U	2.000	2	U	
IAAP96997	IAAP96997	691844.39	92407.27	11/14/06	0	0.5	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	1.800	1.8	U	1.800	1.8	U	
IAAP96998	IAAP96998	691728	93303	11/14/06	0	0.5	0.360	0.36	U	0.360	0.36	U	0.360	0.36	U	1.700	1.7	U	1.700	1.7	U	
IAAP97000	IAAP97000	691786.4	93115.72	11/14/06	0	0.5	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	2.100	2.1	U	2.100	2.1	U	
IAAP97001	IAAP97001	691872	93010	12/18/06	0	0.5	0.360	0.36	UJ	0.360	0.36	U	0.730	0.73	U	1.800	1.8	U	1.800	1.8	U	
IAAP97002	IAAP97002	691884	93003	12/18/06	0	0.5	0.350	0.35	UJ	0.350	0.35	U	0.700	0.7	U	1.700	1.7	U	1.700	1.7	U	
IAAP97003	IAAP97003	691888	92995	12/18/06	0	0.5	0.400	0.4	UJ	0.400	0.4	U	0.810	0.81	U	2.000	2	U	2.000	2	U	

Table B-1-3. FUSRAP Post-Excavation Soil Characterization Data Remaining for Semivolatile Organic Compounds at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	4-Chloroaniline			4-Chlorophenyl phenyl ether			4-Methylphenol			4-Nitroaniline			4-Nitrophenol			
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:							1,100	---	---	---	---	---	82,000	---	---	11,000	---	---	---	---	---	---
<i>Eco CC^c:</i>							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
IAAP97010	IAAP97010	691891	92892	12/19/06	0	0.5	0.410	0.41	U	0.410	0.41	U	0.820	0.82	U	2.000	2	U	2.000	2	U	
IAAP97011	IAAP97011	691900	92879	12/19/06	0	0.5	0.420	0.42	U	0.420	0.42	U	0.850	0.85	U	2.100	2.1	U	2.100	2.1	U	
IAAP97012	IAAP97012	691889	92913	12/19/06	0	0.5	0.430	0.43	U	0.430	0.43	U	0.860	0.86	U	2.100	2.1	U	2.100	2.1	U	
IAAP97013	IAAP97013	691813	92905	12/18/06	0	0.5	0.370	0.37	UJ	0.370	0.37	U	0.730	0.73	U	1.800	1.8	U	1.800	1.8	U	
IAAP97015	IAAP97015	691688	92824	12/18/06	0	0.5	0.350	0.35	UJ	0.350	0.35	U	0.700	0.7	U	1.700	1.7	U	1.700	1.7	U	
IAAP97019	IAAP97019	691689	92747	12/18/06	0	0.5	0.440	0.44	UJ	0.440	0.44	U	0.880	0.88	U	2.100	2.1	U	2.100	2.1	U	
IAAP97020	IAAP97020	691695	92744	12/18/06	0	0.5	0.430	0.43	UJ	0.430	0.43	U	0.860	0.86	U	2.100	2.1	U	2.100	2.1	U	
IAAP97021	IAAP97021	691719	92718	12/18/06	0	0.5	0.450	0.45	UJ	0.450	0.45	U	0.890	0.89	U	2.200	2.2	U	2.200	2.2	U	
IAAP97024	IAAP97024	691745	92709	12/18/06	0	0.5	0.440	0.44	UJ	0.440	0.44	U	0.880	0.88	U	2.100	2.1	U	2.100	2.1	U	
IAAP97025	IAAP97025	691718	92783	12/18/06	0	0.5	0.440	0.44	UJ	0.440	0.44	U	0.880	0.88	U	2.100	2.1	U	2.100	2.1	U	
IAAP97027	IAAP97027	691942	92676	12/19/06	0	0.5	0.430	0.43	U	0.430	0.43	U	0.860	0.86	U	2.100	2.1	U	2.100	2.1	U	
IAAP97035	IAAP97035	691972	92575	12/19/06	0	0.5	0.430	0.43	U	0.430	0.43	U	0.850	0.85	U	2.100	2.1	U	2.100	2.1	U	
IAAP97036	IAAP97036	692052.2	92417.45	12/19/06	0	0.5	0.360	0.36	U	0.360	0.36	U	0.710	0.71	U	1.700	1.7	U	1.700	1.7	U	
IAAP97037	IAAP97037	692060	92421.6	12/19/06	0	0.5	0.370	0.37	U	0.370	0.37	U	0.740	0.74	U	1.800	1.8	U	1.800	1.8	U	
IAAP97038	IAAP97038	692004	92424	12/19/06	0	0.5	0.450	0.45	U	0.450	0.45	U	0.900	0.9	U	2.200	2.2	U	2.200	2.2	U	
IAAP97043	IAAP97043	692015	92390	12/19/06	0	0.5	0.410	0.41	U	0.410	0.41	U	0.810	0.81	U	2.000	2	U	2.000	2	U	
IAAP97044	IAAP97044	692035	92385	12/19/06	0	0.5	0.460	0.46	U	0.460	0.46	U	0.920	0.92	U	2.200	2.2	U	2.200	2.2	U	
IAAP97045	IAAP97045	692065	92323	12/19/06	0	0.5	0.390	0.39	U	0.390	0.39	U	0.390	0.39	U	1.900	1.9	U	1.900	1.9	U	
IAAP97046	IAAP97046	692051	92339	12/19/06	0	0.5	0.440	0.44	U	0.440	0.44	U	0.880	0.88	U	2.100	2.1	U	2.100	2.1	U	
IAAP97047	IAAP97047	692057.8	92401	12/19/06	0	0.5	0.350	0.35	U	0.350	0.35	U	0.710	0.71	U	1.700	1.7	U	1.700	1.7	U	
IAAP98247	IAAP98247	691977	92312	12/19/06	0	0.5	0.460	0.46	U	0.460	0.46	U	0.460	0.46	U	2.200	2.2	U	2.200	2.2	U	
IAAP98248	IAAP98248	691976.1	92379.2	12/19/06	0	0.5	0.430	0.43	U	0.430	0.43	U	0.860	0.86	U	2.100	2.1	U	2.100	2.1	U	
IAAP98249	IAAP98249	691962	92426.6	12/19/06	0	0.5	0.440	0.44	U	0.440	0.44	U	0.870	0.87	U	2.100	2.1	U	2.100	2.1	U	
IAAP98260	IAAP98260	691719	92537	12/18/06	0	0.5	0.400	0.4	UJ	0.400	0.4	U	0.800	0.8	U	1.900	1.9	U	1.900	1.9	U	
IAAP98261	IAAP98261	691626	92692	12/18/06	0	0.5	0.410	0.41	UJ	0.410	0.41	U	0.810	0.81	U	2.000	2	U	2.000	2	U	
IAAP98262	IAAP98262	691633	92751	12/18/06	0	0.5	0.450	0.45	UJ	0.450	0.45	U	0.900	0.9	U	2.200	2.2	U	2.200	2.2	U	
IAAP98263	IAAP98263	691582	92869	12/18/06	0	0.5	1.300	1.3	UJ	1.300	1.3	U	2.500	2.5	U	6.100	6.1	U	6.100	6.1	U	
IAAP98264	IAAP98264	691518	93097	12/18/06	0	0.5	0.540	0.54	UJ	0.540	0.54	U	1.100	1.1	U	2.600	2.6	U	2.600	2.6	U	
IAAP98266	IAAP98266	691878	92578	12/18/06	0	0.5	0.420	0.42	UJ	0.420	0.42	U	0.850	0.85	U	2.100	2.1	U	2.100	2.1	U	
IAAP98274	IAAP98274	691733.32	93424.71	12/20/06	0	0.5	0.370	0.37	U	0.370	0.37	U	0.730	0.73	U	1.800	1.8	U	1.800	1.8	U	
IAAP99926	IAAP99926	691883.9	92993.3	04/15/07	0	0.5	0.037	0.037	U	0.037	0.037	U	0.037	0.037	U	0.370	0.37	U	0.370	0.37	U	
IAAP99944	IAAP99944	691972.36	92388.37	04/16/07	0	0.5	0.440	0.44	U	0.440	0.44	U	0.880	0.88	U	2.100	2.1	U	2.100	2.1	U	
IAAP99945	IAAP99945	691960.61	92352.76	04/16/07	0	0.5	0.410	0.41	U	0.410	0.41	U	0.820	0.82	U	2.000	2	U	2.000	2	U	
IAAP99946	IAAP99946	691934.21	92423.44	04/16/07	0	0.5	0.480	0.48	U	0.480	0.48	U	0.950	0.95	U	2.300	2.3	U	2.300	2.3	U	
IAAP99947	IAAP99947	691975.93	92282.92	04/16/07	0	0.5	0.380	0.38	U	0.380	0.38	U	0.750	0.75	U	1.800	1.8	U	1.800	1.8	U	
IAAP99948	IAAP99948	691980.56	92235.25	04/16/07	0	0.5	0.420	0.42	U	0.420	0.42	U	0.840	0.84	U	2.000	2	U	2.000	2	U	

Table B-1-3. FUSRAP Post-Excavation Soil Characterization Data Remaining for Semivolatile Organic Compounds at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	4-Chloroaniline			4-Chlorophenyl phenyl ether			4-Methylphenol			4-Nitroaniline			4-Nitrophenol						
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ				
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:							1,100	---	---	---	---	---	82,000	---	---	11,000	---	---	---	---	---	---	---		
<i>Eco CC^c:</i>							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
IAAP99949	IAAP99949	691884.19	92483.11	04/16/07	0	0.5	0.470	0.47	U	0.470	0.47	U	0.950	0.95	U	2.300	2.3	U	2.300	2.3	U				
IAAP99950	IAAP99950	691854.98	92504.08	04/16/07	0	0.5	0.670	0.67	U	0.670	0.67	U	1.300	1.3	U	3.300	3.3	U	3.300	3.3	U				
IAAP99951	IAAP99951	691887.23	92383.87	04/16/07	0	0.5	0.400	0.4	U	0.400	0.4	U	0.810	0.81	U	2.000	2	U	2.000	2	U				
IAAP99952	IAAP99952	691893.47	92351.89	04/16/07	0	0.5	0.420	0.42	U	0.420	0.42	U	0.840	0.84	U	2.000	2	U	2.000	2	U				
IAAP99953	IAAP99953	691815.83	92443.83	04/16/07	0	0.5	0.500	0.5	U	0.500	0.5	U	1.000	1	U	2.400	2.4	U	2.400	2.4	U				
IAAP99954	IAAP99954	691827.15	92460.05	04/16/07	0	0.5	0.042	0.042	U	0.042	0.042	U	0.042	0.042	U	0.410	0.41	U	0.410	0.41	U				
IAAP99955	IAAP99955	691872.9	92318.95	04/16/07	0	0.5	0.039	0.039	U	0.039	0.039	U	0.039	0.039	U	0.380	0.38	U	0.380	0.38	U				
IAAP99956	IAAP99956	691871.07	92238.22	04/16/07	0	0.5	0.051	0.051	U	0.051	0.051	U	0.051	0.051	U	0.500	0.5	U	0.500	0.5	U				
IAAP99957	IAAP99957	691898.56	92243.32	04/16/07	0	0.5	0.048	0.048	U	0.048	0.048	U	0.048	0.048	U	0.480	0.48	U	0.480	0.48	U				
IAAP99958	IAAP99958	691936.17	92258.58	04/16/07	0	0.5	0.051	0.051	U	0.051	0.051	U	0.051	0.051	U	0.500	0.5	U	0.500	0.5	U				
Maximum Reported Concentration (Detects and Non-Detects):							1.300	---	UJ	1.300	---	U	2.500	---	U	6.100	---	U	6.100	---	U	---	---	---	
Maximum Detected Concentration:							NA	---	---	NA	---	---	NA	---	---	NA	---	---	NA	---	---	---	---	---	
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0):							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection):							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Number of Sample Results Greater than USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0):							0	---	---	---	---	---	0	---	---	0	---	---	---	---	---	---	---	---	
Number of Sample Results Greater than Ecological Critical Concentration:							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

^a Gray-shaded concentrations exceed the corresponding IAAAP OU-1 ROD RGs protective of an industrial worker ingesting soil (Harza 1998).

^b Concentrations in **bold** exceed the corresponding RSLs (USEPA 2018a) protective of an industrial worker exposed to soil via ingestion, dermal contact, and dust inhalation.

^c Concentrations in *italics* exceed the corresponding Eco CCs calculated for the WBPS.

Notes:

"---" Indicates that there is no comparison value available.

All results and comparison values are in mg/kg.

NA - Maximum detected result is not available because all results reported for the parameter are non-detect.

VQ symbols indicate: "==" positive identification, positive quantitation, no reason to estimate,

"U" non-detect, no reason to estimate, "J" positive identification, estimated quantitation, "UJ" analyte was not detected and had QC deficiencies.

Table B-1-3. FUSRAP Post-Excavation Soil Characterization Data Remaining for Semivolatile Organic Compounds at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	Acenaphthene			Acenaphthylene			Anthracene			Benzo(a)anthracene			Benzo(a)pyrene		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							---	---	---	---	---	---	---	---	---	8.1	---	---	0.81	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:							45,000	---	---	---	---	---	230,000	---	---	2,100	---	---	210	---	---
<i>Eco CC^c:</i>							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
IAAP100014	IAAP100014	691782.68	93186	03/29/07	0	0.5	0.046	0.38	J	0.380	0.38	U	0.110	0.38	J	0.220	0.38	J	0.240	0.38	J
IAAP100015	IAAP100015	691786.76	93173.01	03/29/07	0	0.5	0.430	0.43	UJ	0.430	0.43	U	0.430	0.43	UJ	0.120	0.43	J	0.170	0.43	J
IAAP100017	IAAP100017	691788.4	93108.61	03/29/07	0	0.5	0.360	0.36	UJ	0.360	0.36	U	0.360	0.36	UJ	0.360	0.36	UJ	0.037	0.36	J
IAAP100018	IAAP100018	691799.22	93143.77	03/29/07	0	0.5	0.390	0.39	UJ	0.390	0.39	U	0.390	0.39	UJ	0.390	0.39	UJ	0.084	0.39	J
IAAP100036	IAAP103993	691949.6	92924.92	06/05/07	1	2	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U
IAAP100046	IAAP100046	691996.61	93031.05	03/23/07	0	0.5	0.430	0.43	UJ	0.430	0.43	U	0.430	0.43	UJ	0.430	0.43	UJ	0.430	0.43	UJ
IAAP100048	IAAP100048	691996.18	93025.73	03/23/07	0	0.5	0.430	0.43	UJ	0.430	0.43	U	0.430	0.43	UJ	0.049	0.43	J	0.054	0.43	J
IAAP100049	IAAP100049	692061.44	93004.97	03/23/07	0	0.5	0.410	0.41	UJ	0.410	0.41	U	0.410	0.41	UJ	0.410	0.41	UJ	0.410	0.41	UJ
IAAP100050	IAAP100050	692056.39	92980.91	03/23/07	0	0.5	0.410	0.41	UJ	0.410	0.41	U	0.410	0.41	UJ	0.120	0.41	J	0.140	0.41	J
IAAP100098	IAAP100098	692028.71	92529.77	04/15/07	0	0.5	0.044	0.044	U	0.044	0.044	U	0.044	0.044	U	0.044	0.044	U	0.044	0.044	U
IAAP100099	IAAP100099	692024.8	92529.01	04/15/07	0	0.5	0.046	0.046	U	0.046	0.046	U	0.046	0.046	U	0.046	0.046	U	0.046	0.046	U
IAAP100103	IAAP100103	691732.21	92673.65	04/16/07	0	0.5	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U
IAAP100104	IAAP100104	691734.09	92661.56	04/16/07	0	0.5	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U	0.052	0.043	=
IAAP100105	IAAP100105	691740.39	92663.06	04/16/07	0	0.5	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U
IAAP100106	IAAP100106	692077.92	92392.37	04/16/07	0	0.5	0.035	0.035	U	0.035	0.035	U	0.035	0.035	U	0.035	0.035	U	0.035	0.035	U
IAAP100107	IAAP100107	692073.96	92394.18	04/16/07	0	0.5	0.036	0.036	U	0.036	0.036	U	0.036	0.036	U	0.036	0.036	U	0.036	0.036	U
IAAP100108	IAAP100108	692069.83	92386.12	04/16/07	0	0.5	0.056	0.056	U	0.056	0.056	U	0.170	0.056	=	0.310	0.056	=	0.310	0.056	=
IAAP100117	IAAP100117	691657.49	92890.56	04/03/07	0	0.5	0.170	0.042	=	0.042	0.042	U	0.380	0.042	=	0.760	0.042	=	0.690	0.042	=
IAAP100119	IAAP100119	691886.46	92908.5	04/16/07	0	0.5	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U	0.180	0.043	=	0.210	0.043	=
IAAP100120	IAAP100120	691892.27	92915.15	04/16/07	0	0.5	0.430	0.044	=	0.044	0.044	U	1.000	0.044	=	2.700	0.044	=	2.600	0.044	=
IAAP100121	IAAP100121	691883.8	92915.71	04/16/07	0	0.5	0.045	0.045	U	0.045	0.045	U	0.045	0.045	U	0.067	0.045	=	0.076	0.045	=
IAAP100123	IAAP100123	691874.49	93011.94	04/15/07	0	0.5	0.037	0.037	U	0.120	0.037	=	0.240	0.037	=	0.460	0.037	=	0.570	0.037	=
IAAP100125	IAAP100125	691890.75	92991.72	04/11/07	0	0.5	0.043	0.043	U	0.043	0.043	U	0.150	0.043	=	0.400	0.043	=	0.470	0.043	=
IAAP103908	IAAP103908	691778.4	93191.87	05/29/07	0	0.5	0.380	0.38	U	0.170	0.38	=	0.180	0.38	=	0.520	0.38	=	0.510	0.38	=
IAAP103910	IAAP103910	691938.61	93076.7	05/29/07	0	0.5	0.340	0.34	U	0.340	0.34	U	0.340	0.34	U	0.097	0.34	=	0.130	0.34	=
IAAP103911	IAAP103911	691932.25	93063.5	05/29/07	0	0.5	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	0.060	0.37	=	0.073	0.37	=
IAAP103911	IAAP103991	691932.25	93063.5	06/05/07	1	2	0.390	0.39	U	0.390	0.39	U	0.390	0.39	U	0.390	0.39	U	0.390	0.39	U
IAAP103914	IAAP103914	691947.43	93012.67	05/29/07	0	0.5	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.110	0.42	=	0.120	0.42	=
IAAP103916	IAAP103916	691983.74	93024.23	05/29/07	0	0.5	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	0.160	0.37	=	0.180	0.37	=
IAAP103917	IAAP103917	691993.16	93019.08	05/29/07	0	0.5	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U
IAAP103918	IAAP103918	691995.13	93038.88	05/29/07	0	0.5	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.051	0.44	=	0.440	0.44	U
IAAP103923	IAAP103923	691890.59	93003.72	05/30/07	0	0.5	0.360	0.36	U	0.360	0.36	U	0.056	0.36	J	0.210	0.36	J	0.220	0.36	J
IAAP103924	IAAP103924	691875.87	92999.03	05/30/07	0	0.5	0.043	0.34	J	0.340	0.34	U	0.110	0.34	J	0.300	0.34	J	0.260	0.34	J
IAAP103927	IAAP103927	691895.22	92989.4	05/30/07	0	0.5	0.380	0.38	U	0.380	0.38	U	0.380	0.38	U	0.140	0.38	J	0.150	0.38	J
IAAP103930	IAAP103930	691900.09	92911.11	05/30/07	0	0.5	0.190	0.42	J	0.420	0.42	U	0.390	0.42	J	0.970	0.42	=	0.790	0.42	=
IAAP103931	IAAP103931	691897.02	92918.97	05/30/07	0	0.5	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.140	0.43	J	0.120	0.43	J

Table B-1-3. FUSRAP Post-Excavation Soil Characterization Data Remaining for Semivolatile Organic Compounds at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	Acenaphthene			Acenaphthylene			Anthracene			Benzo(a)anthracene			Benzo(a)pyrene		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							---	---	---	---	---	---	---	---	---	8.1	---	---	0.81	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:							45,000	---	---	---	---	---	230,000	---	---	2,100	---	---	210	---	---
<i>Eco CC^c:</i>							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
IAAP103941	IAAP103941	691708	92792	06/05/07	0	0.5	0.480	0.48	U	0.480	0.48	U	0.480	0.48	U	0.058	0.48	=	0.065	0.48	=
IAAP103942	IAAP103942	691705.9	92790.11	06/05/07	0	0.5	0.450	0.45	U	0.450	0.45	U	0.450	0.45	U	0.046	0.45	=	0.049	0.45	=
IAAP103943	IAAP103943	691703.83	92788.7	06/05/07	0	0.5	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U
IAAP103944	IAAP103944	691708.53	92787.68	06/05/07	0	0.5	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U
IAAP103949	IAAP103949	691656.88	92924.64	05/30/07	0	0.5	0.053	0.41	J	0.410	0.41	U	0.120	0.41	J	0.380	0.41	J	0.360	0.41	J
IAAP103950	IAAP103950	691649.22	92942.43	05/30/07	0	0.5	0.370	0.37	U	0.370	0.37	U	0.058	0.37	J	0.190	0.37	J	0.190	0.37	J
IAAP103951	IAAP103951	691637.62	92967.26	05/30/07	0	0.5	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.064	0.41	J	0.064	0.41	J
IAAP103952	IAAP103952	691865.78	92664.13	06/05/07	0	0.5	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.100	0.44	J	0.095	0.44	J
IAAP103953	IAAP103953	691871.78	92672.56	06/05/07	0	0.5	0.390	0.39	U	0.390	0.39	U	0.390	0.39	U	0.075	0.39	J	0.074	0.39	J
IAAP103967	IAAP103967	692063.43	92392.21	05/31/07	0	0.5	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U
IAAP103968	IAAP103968	692078.65	92374.24	05/31/07	0	0.5	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.054	0.42	=	0.060	0.42	=
IAAP103969	IAAP103969	692016.53	92256.62	05/31/07	0	0.5	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.078	0.44	=	0.072	0.44	=
IAAP103970	IAAP103970	691999.44	92298.14	05/31/07	0	0.5	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U
IAAP103971	IAAP103971	691986.99	92341.35	05/31/07	0	0.5	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.079	0.42	=	0.074	0.42	=
IAAP103972	IAAP103972	691952.26	92326.31	05/31/07	0	0.5	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.078	0.41	=	0.073	0.41	=
IAAP103973	IAAP103973	691921.12	92305.41	05/31/07	0	0.5	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U
IAAP103974	IAAP103974	691897.41	92378.59	05/31/07	0	0.5	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U
IAAP103975	IAAP103975	691944.38	92098.79	05/31/07	0	0.5	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U
IAAP103976	IAAP103976	691822.5	92425.05	05/31/07	0	0.5	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.190	0.43	=	0.180	0.43	=
IAAP103977	IAAP103977	691812.21	92455.45	05/31/07	0	0.5	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.180	0.43	=	0.230	0.43	=
IAAP103978	IAAP103978	691885.27	92272.64	05/31/07	0	0.5	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.052	0.43	=	0.047	0.43	=
IAAP103979	IAAP103979	691850.87	92305.71	05/31/07	0	0.5	0.400	0.4	U	0.400	0.4	U	0.073	0.4	=	0.280	0.4	=	0.240	0.4	=
IAAP103980	IAAP103980	691950.01	92383.95	05/31/07	0	0.5	0.094	0.44	=	0.440	0.44	U	0.230	0.44	=	0.670	0.44	=	0.560	0.44	=
IAAP103981	IAAP103981	691938.67	92369.23	05/31/07	0	0.5	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.045	0.44	=	0.440	0.44	U
IAAP103982	IAAP103982	691854.52	92524.36	05/31/07	0	0.5	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U
IAAP103983	IAAP103983	691816.94	92510.02	05/31/07	0	0.5	1.000	1	U	1.000	1	U	1.000	1	U	1.000	1	U	1.000	1	U
IAAP103984	IAAP103984	691862.73	92475.37	05/31/07	0	0.5	0.430	0.43	U	0.430	0.43	U	0.048	0.43	=	0.170	0.43	=	0.140	0.43	=
IAAP136603	IAAP100047	691990.48	93027.37	03/23/07	0	0.5	0.400	0.4	UJ	0.400	0.4	U	0.400	0.4	UJ	0.450	0.4	J	0.460	0.4	J
IAAP96931	IAAP96931	691967.16	93373.53	11/15/06	0	0.5	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U
IAAP96932	IAAP96932	691951.14	93368.38	11/15/06	0	0.5	0.460	0.46	U	0.460	0.46	U	0.460	0.46	U	0.460	0.46	U	0.460	0.46	U
IAAP96934	IAAP96934	COMPOSITE	COMPOSITE	11/15/06	0	0.5	0.380	0.38	U	0.380	0.38	U	0.380	0.38	U	0.380	0.38	U	0.380	0.38	U
IAAP96935	IAAP96935	691894.02	93328.08	11/15/06	0	0.5	0.370	0.37	U	0.370	0.37	U	0.110	0.37	=	0.052	0.37	=	0.370	0.37	U
IAAP96936	IAAP96936	COMPOSITE	COMPOSITE	11/15/06	0	0.5	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U
IAAP96937	IAAP96937	COMPOSITE	COMPOSITE	11/13/06	0	0.5	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U
IAAP96938	IAAP96938	691840.29	93270.4	11/13/06	0	0.5	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U
IAAP96939	IAAP96939	691831.83	93298.23	11/13/06	0	0.5	0.360	0.36	U	0.360	0.36	U	0.360	0.36	U	0.360	0.36	U	0.360	0.36	U

Table B-1-3. FUSRAP Post-Excavation Soil Characterization Data Remaining for Semivolatile Organic Compounds at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	Acenaphthene			Acenaphthylene			Anthracene			Benzo(a)anthracene			Benzo(a)pyrene		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							---	---	---	---	---	---	---	---	---	8.1	---	---	0.81	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:							45,000	---	---	---	---	---	230,000	---	---	2,100	---	---	210	---	---
<i>Eco CC^c:</i>							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
IAAP96940	IAAP96940	691832.3	93342.32	11/13/06	0	0.5	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U
IAAP96941	IAAP96941	691814.66	93317.23	11/13/06	0	0.5	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U
IAAP96942	IAAP96942	691838.97	93244.84	11/13/06	0	0.5	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U
IAAP96952	IAAP96952	692127.71	93042.61	11/15/06	0	0.5	0.340	0.34	UJ	0.340	0.34	UJ	0.340	0.34	UJ	0.340	0.34	UJ	0.340	0.34	UJ
IAAP96953	IAAP96953	692116.38	93011.84	11/15/06	0	0.5	0.400	0.4	UJ	0.400	0.4	UJ	0.400	0.4	UJ	0.400	0.4	UJ	0.400	0.4	UJ
IAAP96955	IAAP96955	692175.68	92981.55	11/15/06	0	0.5	0.420	0.42	U	0.420	0.42	U	0.064	0.42	=	0.140	0.42	=	0.110	0.42	=
IAAP96957	IAAP96957	692056.98	93146.93	11/15/06	0	0.5	0.450	0.45	U	0.450	0.45	U	0.450	0.45	U	0.450	0.45	U	0.450	0.45	U
IAAP96958	IAAP96958	692074.54	93130.61	11/15/06	0	0.5	0.470	0.47	U	0.470	0.47	U	0.470	0.47	U	0.470	0.47	U	0.470	0.47	U
IAAP96959	IAAP96959	COMPOSITE	COMPOSITE	11/14/06	0	0.5	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	0.110	0.4	=	0.110	0.4	=
IAAP96960	IAAP96960	692088.53	93112.41	11/15/06	0	0.5	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U
IAAP96961	IAAP96961	COMPOSITE	COMPOSITE	11/13/06	0	0.5	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.088	0.41	=	0.084	0.41	=
IAAP96962	IAAP96962	COMPOSITE	COMPOSITE	11/13/06	0	0.5	0.400	0.4	U	0.400	0.4	U	0.058	0.4	=	0.240	0.4	=	0.230	0.4	=
IAAP96963	IAAP96963	COMPOSITE	COMPOSITE	11/13/06	0	0.5	0.380	0.38	U	0.380	0.38	U	0.380	0.38	U	0.380	0.38	U	0.380	0.38	U
IAAP96964	IAAP96964	691985.83	93063.1	11/13/06	0	0.5	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.100	0.41	=	0.110	0.41	=
IAAP96966	IAAP96966	691954.93	93007.81	11/13/06	0	0.5	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U
IAAP96968	IAAP96968	691938.96	93067.14	11/13/06	0	0.5	0.350	0.35	U	0.350	0.35	U	0.350	0.35	U	0.350	0.35	U	0.350	0.35	U
IAAP96969	IAAP96969	691938.96	93067.14	11/13/06	1	2	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U
IAAP96970	IAAP96970	691909.48	93056.65	11/13/06	0	0.5	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U
IAAP96976	IAAP96976	COMPOSITE	COMPOSITE	11/14/06	0	0.5	0.440	0.44	U	0.110	0.44	=	0.096	0.44	=	0.230	0.44	=	0.300	0.44	=
IAAP96977	IAAP96977	COMPOSITE	COMPOSITE	11/14/06	0	0.5	0.490	0.49	U	0.490	0.49	U	0.490	0.49	U	0.150	0.49	=	0.160	0.49	=
IAAP96979	IAAP96979	691795.01	93119.57	11/14/06	0	0.5	0.420	0.42	U	0.420	0.42	U	0.080	0.42	=	0.061	0.42	=	0.058	0.42	=
IAAP96980	IAAP96980	691808.87	93106.84	11/14/06	0	0.5	0.360	0.36	U	0.360	0.36	U	0.360	0.36	U	0.059	0.36	=	0.093	0.36	=
IAAP96987	IAAP96987	691941.32	92118.25	11/14/06	0	0.5	0.430	0.43	U	0.430	0.43	U	0.130	0.43	=	0.720	0.43	=	0.800	0.43	=
IAAP96988	IAAP96988	691954.34	92114.71	11/14/06	0	0.5	0.350	0.35	U	0.350	0.35	U	0.350	0.35	U	0.350	0.35	U	0.350	0.35	U
IAAP96989	IAAP96989	691876.63	92299.46	11/14/06	0	0.5	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	0.230	0.4	=	0.260	0.4	=
IAAP96990	IAAP96990	691858.09	92325.86	11/14/06	0	0.5	2.000	0.45	=	0.450	0.45	U	5.700	0.45	=	20.000	9.1	=	23.000	9.1	=
IAAP96992	IAAP96992	COMPOSITE	COMPOSITE	11/14/06	0	0.5	0.370	0.37	U	0.370	0.37	U	0.047	0.37	=	0.240	0.37	=	0.300	0.37	=
IAAP96994	IAAP96994	691857.33	92413.74	11/14/06	0	0.5	0.370	0.37	U	0.370	0.37	U	0.110	0.37	=	0.074	0.37	=	0.073	0.37	=
IAAP96995	IAAP96995	691870.98	92410.67	11/14/06	0	0.5	0.390	0.39	U	0.390	0.39	U	0.390	0.39	U	0.390	0.39	U	0.390	0.39	U
IAAP96996	IAAP96996	COMPOSITE	COMPOSITE	11/14/06	0	0.5	0.640	0.42	=	0.420	0.42	U	1.600	0.42	=	4.700	0.42	=	4.200	0.42	=
IAAP96997	IAAP96997	691844.39	92407.27	11/14/06	0	0.5	0.100	0.37	=	0.370	0.37	U	0.250	0.37	=	0.630	0.37	=	0.680	0.37	=
IAAP96998	IAAP96998	691728	93303	11/14/06	0	0.5	0.360	0.36	U	0.360	0.36	U	0.360	0.36	U	0.360	0.36	U	0.360	0.36	U
IAAP97000	IAAP97000	691786.4	93115.72	11/14/06	0	0.5	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U
IAAP97001	IAAP97001	691872	93010	12/18/06	0	0.5	0.360	0.36	U	0.360	0.36	U	0.092	0.36	J	0.290	0.36	J	0.280	0.36	J
IAAP97002	IAAP97002	691884	93003	12/18/06	0	0.5	0.350	0.35	U	0.350	0.35	U	0.350	0.35	UJ	0.100	0.35	J	0.110	0.35	J
IAAP97003	IAAP97003	691888	92995	12/18/06	0	0.5	0.047	0.4	=	0.066	0.4	=	0.160	0.4	J	0.480	0.4	J	0.480	0.4	J

Table B-1-3. FUSRAP Post-Excavation Soil Characterization Data Remaining for Semivolatile Organic Compounds at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	Acenaphthene			Acenaphthylene			Anthracene			Benzo(a)anthracene			Benzo(a)pyrene		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							---	---	---	---	---	---	---	---	---	8.1	---	---	0.81	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:							45,000	---	---	---	---	---	230,000	---	---	2,100	---	---	210	---	---
<i>Eco CC^c:</i>							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
IAAP97010	IAAP97010	691891	92892	12/19/06	0	0.5	0.410	0.41	U	0.410	0.41	U	0.051	0.41	=	0.170	0.41	=	0.160	0.41	=
IAAP97011	IAAP97011	691900	92879	12/19/06	0	0.5	0.420	0.42	U	0.420	0.42	U	0.054	0.42	=	0.180	0.42	=	0.150	0.42	=
IAAP97012	IAAP97012	691889	92913	12/19/06	0	0.5	0.430	0.43	U	0.430	0.43	U	0.073	0.43	=	0.290	0.43	=	0.280	0.43	=
IAAP97013	IAAP97013	691813	92905	12/18/06	0	0.5	0.370	0.37	U	0.370	0.37	U	0.370	0.37	UJ	0.370	0.37	UJ	0.370	0.37	UJ
IAAP97015	IAAP97015	691688	92824	12/18/06	0	0.5	0.350	0.35	U	0.350	0.35	U	0.350	0.35	UJ	0.350	0.35	UJ	0.350	0.35	UJ
IAAP97019	IAAP97019	691689	92747	12/18/06	0	0.5	0.440	0.44	U	0.440	0.44	U	0.440	0.44	UJ	0.440	0.44	UJ	0.440	0.44	UJ
IAAP97020	IAAP97020	691695	92744	12/18/06	0	0.5	0.430	0.43	U	0.430	0.43	U	0.430	0.43	UJ	0.430	0.43	UJ	0.049	0.43	J
IAAP97021	IAAP97021	691719	92718	12/18/06	0	0.5	0.450	0.45	U	0.450	0.45	U	0.450	0.45	UJ	0.061	0.45	J	0.074	0.45	J
IAAP97024	IAAP97024	691745	92709	12/18/06	0	0.5	0.440	0.44	U	0.440	0.44	U	0.440	0.44	UJ	0.440	0.44	UJ	0.440	0.44	UJ
IAAP97025	IAAP97025	691718	92783	12/18/06	0	0.5	0.440	0.44	U	0.440	0.44	U	0.440	0.44	UJ	0.440	0.44	UJ	0.440	0.44	UJ
IAAP97027	IAAP97027	691942	92676	12/19/06	0	0.5	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.077	0.43	=
IAAP97035	IAAP97035	691972	92575	12/19/06	0	0.5	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U
IAAP97036	IAAP97036	692052.2	92417.45	12/19/06	0	0.5	0.360	0.36	U	0.360	0.36	U	0.360	0.36	U	0.360	0.36	U	0.360	0.36	U
IAAP97037	IAAP97037	692060	92421.6	12/19/06	0	0.5	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U
IAAP97038	IAAP97038	692004	92424	12/19/06	0	0.5	0.450	0.45	U	0.450	0.45	U	0.450	0.45	U	0.450	0.45	U	0.059	0.45	=
IAAP97043	IAAP97043	692015	92390	12/19/06	0	0.5	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U
IAAP97044	IAAP97044	692035	92385	12/19/06	0	0.5	0.460	0.46	U	0.460	0.46	U	0.460	0.46	U	0.085	0.46	=	0.083	0.46	=
IAAP97045	IAAP97045	692065	92323	12/19/06	0	0.5	0.390	0.39	U	0.390	0.39	U	0.390	0.39	U	0.390	0.39	U	0.390	0.39	U
IAAP97046	IAAP97046	692051	92339	12/19/06	0	0.5	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.110	0.44	=
IAAP97047	IAAP97047	692057.8	92401	12/19/06	0	0.5	0.350	0.35	U	0.350	0.35	U	0.350	0.35	U	0.350	0.35	U	0.350	0.35	U
IAAP98247	IAAP98247	691977	92312	12/19/06	0	0.5	0.480	0.46	=	0.460	0.46	U	1.300	0.46	=	3.700	0.46	=	3.300	0.46	=
IAAP98248	IAAP98248	691976.1	92379.2	12/19/06	0	0.5	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U
IAAP98249	IAAP98249	691962	92426.6	12/19/06	0	0.5	0.071	0.44	=	0.440	0.44	U	0.180	0.44	=	0.660	0.44	=	0.600	0.44	=
IAAP98260	IAAP98260	691719	92537	12/18/06	0	0.5	0.400	0.4	U	0.400	0.4	U	0.400	0.4	UJ	0.400	0.4	UJ	0.400	0.4	UJ
IAAP98261	IAAP98261	691626	92692	12/18/06	0	0.5	0.410	0.41	U	0.410	0.41	U	0.410	0.41	UJ	0.410	0.41	UJ	0.410	0.41	UJ
IAAP98262	IAAP98262	691633	92751	12/18/06	0	0.5	0.450	0.45	U	0.450	0.45	U	0.450	0.45	UJ	0.450	0.45	UJ	0.450	0.45	UJ
IAAP98263	IAAP98263	691582	92869	12/18/06	0	0.5	1.300	1.3	U	1.300	1.3	U	1.300	1.3	UJ	1.300	1.3	UJ	0.130	1.3	J
IAAP98264	IAAP98264	691518	93097	12/18/06	0	0.5	0.540	0.54	U	0.540	0.54	U	0.540	0.54	UJ	0.540	0.54	UJ	0.540	0.54	UJ
IAAP98266	IAAP98266	691878	92578	12/18/06	0	0.5	0.420	0.42	U	0.420	0.42	U	0.420	0.42	UJ	0.420	0.42	UJ	0.420	0.42	UJ
IAAP98274	IAAP98274	691733.32	93424.71	12/20/06	0	0.5	0.370	0.37	U	0.370	0.37	U	0.370	0.37	UJ	0.370	0.37	UJ	0.370	0.37	UJ
IAAP99926	IAAP99926	691883.9	92993.3	04/15/07	0	0.5	0.041	0.037	=	0.076	0.037	=	0.170	0.037	=	0.540	0.037	=	0.620	0.037	=
IAAP99944	IAAP99944	691972.36	92388.37	04/16/07	0	0.5	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U
IAAP99945	IAAP99945	691960.61	92352.76	04/16/07	0	0.5	0.065	0.41	=	0.410	0.41	U	0.190	0.41	=	0.580	0.41	=	0.590	0.41	=
IAAP99946	IAAP99946	691934.21	92423.44	04/16/07	0	0.5	0.480	0.48	U	0.480	0.48	U	0.480	0.48	U	0.180	0.48	=	0.200	0.48	=
IAAP99947	IAAP99947	691975.93	92282.92	04/16/07	0	0.5	0.380	0.38	U	0.380	0.38	U	0.380	0.38	U	0.380	0.38	U	0.380	0.38	U
IAAP99948	IAAP99948	691980.56	92235.25	04/16/07	0	0.5	0.095	0.42	=	0.420	0.42	U	0.230	0.42	=	0.520	0.42	=	0.550	0.42	=

Table B-1-3. FUSRAP Post-Excavation Soil Characterization Data Remaining for Semivolatile Organic Compounds at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	Acenaphthene			Acenaphthylene			Anthracene			Benzo(a)anthracene			Benzo(a)pyrene		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							---	---	---	---	---	---	---	---	---	8.1	---	---	0.81	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:							45,000	---	---	---	---	---	230,000	---	---	2,100	---	---	210	---	---
<i>Eco CC^c:</i>							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
IAAP99949	IAAP99949	691884.19	92483.11	04/16/07	0	0.5	0.470	0.47	U	0.470	0.47	U	0.470	0.47	U	0.470	0.47	U	0.055	0.47	=
IAAP99950	IAAP99950	691854.98	92504.08	04/16/07	0	0.5	0.670	0.67	U	0.670	0.67	U	0.670	0.67	U	0.350	0.67	=	0.370	0.67	=
IAAP99951	IAAP99951	691887.23	92383.87	04/16/07	0	0.5	0.056	0.4	=	0.400	0.4	U	0.110	0.4	=	0.230	0.4	=	0.260	0.4	=
IAAP99952	IAAP99952	691893.47	92351.89	04/16/07	0	0.5	0.190	0.42	=	0.420	0.42	U	0.470	0.42	=	2.000	0.42	=	2.300	0.42	=
IAAP99953	IAAP99953	691815.83	92443.83	04/16/07	0	0.5	0.500	0.5	U	0.500	0.5	U	0.500	0.5	U	0.500	0.5	U	0.061	0.5	=
IAAP99954	IAAP99954	691827.15	92460.05	04/16/07	0	0.5	0.042	0.042	U	0.042	0.042	U	0.042	0.042	U	0.100	0.042	=	0.100	0.042	=
IAAP99955	IAAP99955	691872.9	92318.95	04/16/07	0	0.5	0.039	0.039	U	0.039	0.039	U	0.039	0.039	U	0.220	0.039	=	0.290	0.039	=
IAAP99956	IAAP99956	691871.07	92238.22	04/16/07	0	0.5	0.051	0.051	U	0.051	0.051	U	0.051	0.051	U	0.061	0.051	=	0.077	0.051	=
IAAP99957	IAAP99957	691898.56	92243.32	04/16/07	0	0.5	0.048	0.048	U	0.048	0.048	U	0.048	0.048	U	0.048	0.048	U	0.048	0.048	U
IAAP99958	IAAP99958	691936.17	92258.58	04/16/07	0	0.5	0.051	0.051	U	0.051	0.051	U	0.051	0.051	U	0.051	0.051	U	0.051	0.051	U
Maximum Reported Concentration (Detects and Non-Detects):							2.000	---	=	1.300	---	U	5.700	---	=	20.000	---	=	23.000	---	=
Maximum Detected Concentration:							2.000	---	=	0.170	---	=	5.700	---	=	20.000	---	=	23.000	---	=
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0):							---	---	---	---	---	---	---	---	---	1	---	---	6	---	---
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection):							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Number of Sample Results Greater than USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0):							0	---	---	---	---	---	0	---	---	0	---	---	0	---	---
Number of Sample Results Greater than Ecological Critical Concentration:							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

^a Gray-shaded concentrations exceed the corresponding IAAAP OU-1 ROD RGs protective of an industrial worker ingesting soil (Harza 1998).

^b Concentrations in **bold** exceed the corresponding RSLs (USEPA 2018a) protective of an industrial worker exposed to soil via ingestion, dermal contact, and dust inhalation.

^c Concentrations in *italics* exceed the corresponding Eco CCs calculated for the WBPS.

Notes:

"---" Indicates that there is no comparison value available.

All results and comparison values are in mg/kg.

NA - Maximum detected result is not available because all results reported for the parameter are non-detect.

VQ symbols indicate: "=" positive identification, positive quantitation, no reason to estimate,

"U" non-detect, no reason to estimate, "J" positive identification, estimated quantitation, "UJ" analyte was not detected and had QC deficiencies.

Table B-1-3. FUSRAP Post-Excavation Soil Characterization Data Remaining for Semivolatile Organic Compounds at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	Benzo(b)fluoranthene			Benzo(g,h,i)perylene			Benzo(k)fluoranthene			Bis(2-chloroethoxy) methane			Bis(2-chloroethyl) ether		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							8.1	---	---	---	---	---	---	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:							2,100	---	---	---	---	---	21,000	---	---	2,500	---	---	100	---	---
<i>Eco CC^c:</i>							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
IAAP100014	IAAP100014	691782.68	93186	03/29/07	0	0.5	0.310	0.38	J	0.150	0.38	J	0.250	0.38	J	0.380	0.38	U	0.380	0.38	U
IAAP100015	IAAP100015	691786.76	93173.01	03/29/07	0	0.5	0.330	0.43	J	0.140	0.43	J	0.280	0.43	J	0.430	0.43	U	0.430	0.43	U
IAAP100017	IAAP100017	691788.4	93108.61	03/29/07	0	0.5	0.360	0.36	UJ	0.140	0.36	J	0.360	0.36	UJ	0.360	0.36	U	0.360	0.36	U
IAAP100018	IAAP100018	691799.22	93143.77	03/29/07	0	0.5	0.110	0.39	J	0.180	0.39	J	0.065	0.39	J	0.390	0.39	U	0.390	0.39	U
IAAP100036	IAAP103993	691949.6	92924.92	06/05/07	1	2	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U
IAAP100046	IAAP100046	691996.61	93031.05	03/23/07	0	0.5	0.430	0.43	UJ	0.430	0.43	UJ	0.430	0.43	UJ	0.430	0.43	U	0.430	0.43	U
IAAP100048	IAAP100048	691996.18	93025.73	03/23/07	0	0.5	0.067	0.43	J	0.045	0.43	J	0.063	0.43	J	0.430	0.43	U	0.430	0.43	U
IAAP100049	IAAP100049	692061.44	93004.97	03/23/07	0	0.5	0.410	0.41	UJ	0.410	0.41	UJ	0.410	0.41	UJ	0.410	0.41	U	0.410	0.41	U
IAAP100050	IAAP100050	692056.39	92980.91	03/23/07	0	0.5	0.110	0.41	J	0.095	0.41	J	0.150	0.41	J	0.410	0.41	U	0.410	0.41	U
IAAP100098	IAAP100098	692028.71	92529.77	04/15/07	0	0.5	0.044	0.044	U	0.044	0.044	U	0.044	0.044	U	0.044	0.044	U	0.044	0.044	U
IAAP100099	IAAP100099	692024.8	92529.01	04/15/07	0	0.5	0.046	0.046	U	0.046	0.046	U	0.046	0.046	U	0.046	0.046	U	0.046	0.046	U
IAAP100103	IAAP100103	691732.21	92673.65	04/16/07	0	0.5	0.064	0.043	=	0.043	0.043	U	0.067	0.043	=	0.043	0.043	U	0.043	0.043	U
IAAP100104	IAAP100104	691734.09	92661.56	04/16/07	0	0.5	0.086	0.043	=	0.043	0.043	U	0.060	0.043	=	0.043	0.043	U	0.043	0.043	U
IAAP100105	IAAP100105	691740.39	92663.06	04/16/07	0	0.5	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U
IAAP100106	IAAP100106	692077.92	92392.37	04/16/07	0	0.5	0.035	0.035	U	0.035	0.035	U	0.035	0.035	U	0.035	0.035	U	0.035	0.035	U
IAAP100107	IAAP100107	692073.96	92394.18	04/16/07	0	0.5	0.036	0.036	U	0.036	0.036	U	0.036	0.036	U	0.036	0.036	U	0.036	0.036	U
IAAP100108	IAAP100108	692069.83	92386.12	04/16/07	0	0.5	0.820	0.056	=	0.240	0.056	=	0.510	0.056	=	0.056	0.056	U	0.056	0.056	U
IAAP100117	IAAP100117	691657.49	92890.56	04/03/07	0	0.5	0.690	0.042	=	0.460	0.042	=	0.650	0.042	=	0.042	0.042	U	0.042	0.042	U
IAAP100119	IAAP100119	691886.46	92908.5	04/16/07	0	0.5	0.190	0.043	=	0.150	0.043	=	0.190	0.043	=	0.043	0.043	U	0.043	0.043	U
IAAP100120	IAAP100120	691892.27	92915.15	04/16/07	0	0.5	2.400	0.044	=	1.000	0.044	=	2.100	0.044	=	0.044	0.044	U	0.044	0.044	U
IAAP100121	IAAP100121	691883.8	92915.71	04/16/07	0	0.5	0.077	0.045	=	0.047	0.045	=	0.068	0.045	=	0.045	0.045	U	0.045	0.045	U
IAAP100123	IAAP100123	691874.49	93011.94	04/15/07	0	0.5	0.790	0.037	=	0.440	0.037	=	0.670	0.037	=	0.037	0.037	U	0.037	0.037	U
IAAP100125	IAAP100125	691890.75	92991.72	04/11/07	0	0.5	0.530	0.043	=	0.260	0.043	=	0.480	0.043	=	0.043	0.043	U	0.043	0.043	U
IAAP103908	IAAP103908	691778.4	93191.87	05/29/07	0	0.5	0.960	0.38	=	0.450	0.38	=	0.760	0.38	=	0.380	0.38	U	0.380	0.38	U
IAAP103910	IAAP103910	691938.61	93076.7	05/29/07	0	0.5	0.130	0.34	=	0.110	0.34	=	0.120	0.34	=	0.340	0.34	U	0.340	0.34	U
IAAP103911	IAAP103911	691932.25	93063.5	05/29/07	0	0.5	0.068	0.37	=	0.069	0.37	=	0.068	0.37	=	0.370	0.37	U	0.370	0.37	U
IAAP103911	IAAP103991	691932.25	93063.5	06/05/07	1	2	0.039	0.39	J	0.390	0.39	U	0.390	0.39	U	0.390	0.39	U	0.390	0.39	U
IAAP103914	IAAP103914	691947.43	93012.67	05/29/07	0	0.5	0.110	0.42	=	0.080	0.42	=	0.110	0.42	=	0.420	0.42	U	0.420	0.42	U
IAAP103916	IAAP103916	691983.74	93024.23	05/29/07	0	0.5	0.180	0.37	=	0.130	0.37	=	0.170	0.37	=	0.370	0.37	U	0.370	0.37	U
IAAP103917	IAAP103917	691993.16	93019.08	05/29/07	0	0.5	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U
IAAP103918	IAAP103918	691995.13	93038.88	05/29/07	0	0.5	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U
IAAP103923	IAAP103923	691890.59	93003.72	05/30/07	0	0.5	0.240	0.36	J	0.180	0.36	J	0.190	0.36	J	0.360	0.36	U	0.360	0.36	U
IAAP103924	IAAP103924	691875.87	92999.03	05/30/07	0	0.5	0.320	0.34	J	0.190	0.34	J	0.260	0.34	J	0.340	0.34	U	0.340	0.34	U
IAAP103927	IAAP103927	691895.22	92989.4	05/30/07	0	0.5	0.160	0.38	J	0.100	0.38	J	0.160	0.38	J	0.380	0.38	U	0.380	0.38	U
IAAP103930	IAAP103930	691900.09	92911.11	05/30/07	0	0.5	0.750	0.42	=	0.490	0.42	=	0.750	0.42	=	0.420	0.42	U	0.420	0.42	U
IAAP103931	IAAP103931	691897.02	92918.97	05/30/07	0	0.5	0.130	0.43	J	0.092	0.43	J	0.100	0.43	J	0.430	0.43	U	0.430	0.43	U

Table B-1-3. FUSRAP Post-Excavation Soil Characterization Data Remaining for Semivolatile Organic Compounds at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	Benzo(b)fluoranthene			Benzo(g,h,i)perylene			Benzo(k)fluoranthene			Bis(2-chloroethoxy) methane			Bis(2-chloroethyl) ether		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							8.1	---	---	---	---	---	---	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:							2,100	---	---	---	---	---	21,000	---	---	2,500	---	---	100	---	---
<i>Eco CC^c:</i>							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
IAAP103941	IAAP103941	691708	92792	06/05/07	0	0.5	0.075	0.48	=	0.480	0.48	U	0.068	0.48	=	0.480	0.48	U	0.480	0.48	U
IAAP103942	IAAP103942	691705.9	92790.11	06/05/07	0	0.5	0.075	0.45	=	0.450	0.45	U	0.056	0.45	=	0.450	0.45	U	0.450	0.45	U
IAAP103943	IAAP103943	691703.83	92788.7	06/05/07	0	0.5	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U
IAAP103944	IAAP103944	691708.53	92787.68	06/05/07	0	0.5	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U
IAAP103949	IAAP103949	691656.88	92924.64	05/30/07	0	0.5	0.350	0.41	J	0.210	0.41	J	0.370	0.41	J	0.410	0.41	U	0.410	0.41	U
IAAP103950	IAAP103950	691649.22	92942.43	05/30/07	0	0.5	0.200	0.37	J	0.100	0.37	J	0.170	0.37	J	0.370	0.37	U	0.370	0.37	U
IAAP103951	IAAP103951	691637.62	92967.26	05/30/07	0	0.5	0.082	0.41	J	0.410	0.41	U	0.058	0.41	J	0.410	0.41	U	0.410	0.41	U
IAAP103952	IAAP103952	691865.78	92664.13	06/05/07	0	0.5	0.078	0.44	J	0.069	0.44	J	0.093	0.44	J	0.440	0.44	U	0.440	0.44	U
IAAP103953	IAAP103953	691871.78	92672.56	06/05/07	0	0.5	0.055	0.39	J	0.052	0.39	J	0.073	0.39	J	0.390	0.39	U	0.390	0.39	U
IAAP103967	IAAP103967	692063.43	92392.21	05/31/07	0	0.5	0.042	0.41	=	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U
IAAP103968	IAAP103968	692078.65	92374.24	05/31/07	0	0.5	0.090	0.42	=	0.047	0.42	=	0.084	0.42	=	0.420	0.42	U	0.420	0.42	U
IAAP103969	IAAP103969	692016.53	92256.62	05/31/07	0	0.5	0.065	0.44	=	0.440	0.44	U	0.073	0.44	=	0.440	0.44	U	0.440	0.44	U
IAAP103970	IAAP103970	691999.44	92298.14	05/31/07	0	0.5	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U
IAAP103971	IAAP103971	691986.99	92341.35	05/31/07	0	0.5	0.070	0.42	=	0.420	0.42	U	0.078	0.42	=	0.420	0.42	U	0.420	0.42	U
IAAP103972	IAAP103972	691952.26	92326.31	05/31/07	0	0.5	0.110	0.41	=	0.043	0.41	=	0.091	0.41	=	0.410	0.41	U	0.410	0.41	U
IAAP103973	IAAP103973	691921.12	92305.41	05/31/07	0	0.5	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U
IAAP103974	IAAP103974	691897.41	92378.59	05/31/07	0	0.5	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U
IAAP103975	IAAP103975	691944.38	92098.79	05/31/07	0	0.5	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U
IAAP103976	IAAP103976	691822.5	92425.05	05/31/07	0	0.5	0.180	0.43	=	0.097	0.43	=	0.150	0.43	=	0.430	0.43	U	0.430	0.43	U
IAAP103977	IAAP103977	691812.21	92455.45	05/31/07	0	0.5	0.250	0.43	=	0.150	0.43	=	0.260	0.43	=	0.430	0.43	U	0.430	0.43	U
IAAP103978	IAAP103978	691885.27	92272.64	05/31/07	0	0.5	0.049	0.43	=	0.430	0.43	U	0.054	0.43	=	0.430	0.43	U	0.430	0.43	U
IAAP103979	IAAP103979	691850.87	92305.71	05/31/07	0	0.5	0.270	0.4	=	0.130	0.4	=	0.300	0.4	=	0.400	0.4	U	0.400	0.4	U
IAAP103980	IAAP103980	691950.01	92383.95	05/31/07	0	0.5	0.530	0.44	=	0.290	0.44	=	0.520	0.44	=	0.440	0.44	U	0.440	0.44	U
IAAP103981	IAAP103981	691938.67	92369.23	05/31/07	0	0.5	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U
IAAP103982	IAAP103982	691854.52	92524.36	05/31/07	0	0.5	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U
IAAP103983	IAAP103983	691816.94	92510.02	05/31/07	0	0.5	1.000	1	U	1.000	1	U	1.000	1	U	1.000	1	U	1.000	1	U
IAAP103984	IAAP103984	691862.73	92475.37	05/31/07	0	0.5	0.130	0.43	=	0.097	0.43	=	0.130	0.43	=	0.430	0.43	U	0.430	0.43	U
IAAP136603	IAAP100047	691990.48	93027.37	03/23/07	0	0.5	0.630	0.4	J	0.310	0.4	J	0.550	0.4	J	0.400	0.4	U	0.400	0.4	U
IAAP96931	IAAP96931	691967.16	93373.53	11/15/06	0	0.5	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U
IAAP96932	IAAP96932	691951.14	93368.38	11/15/06	0	0.5	0.460	0.46	U	0.460	0.46	U	0.460	0.46	U	0.460	0.46	U	0.460	0.46	U
IAAP96934	IAAP96934	COMPOSITE	COMPOSITE	11/15/06	0	0.5	0.380	0.38	U	0.380	0.38	U	0.380	0.38	U	0.380	0.38	U	0.380	0.38	U
IAAP96935	IAAP96935	691894.02	93328.08	11/15/06	0	0.5	0.130	0.37	=	0.050	0.37	=	0.110	0.37	=	0.370	0.37	U	0.370	0.37	U
IAAP96936	IAAP96936	COMPOSITE	COMPOSITE	11/15/06	0	0.5	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U
IAAP96937	IAAP96937	COMPOSITE	COMPOSITE	11/13/06	0	0.5	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U
IAAP96938	IAAP96938	691840.29	93270.4	11/13/06	0	0.5	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U
IAAP96939	IAAP96939	691831.83	93298.23	11/13/06	0	0.5	0.360	0.36	U	0.360	0.36	U	0.360	0.36	U	0.360	0.36	U	0.360	0.36	U

Table B-1-3. FUSRAP Post-Excavation Soil Characterization Data Remaining for Semivolatile Organic Compounds at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	Benzo(b)fluoranthene			Benzo(g,h,i)perylene			Benzo(k)fluoranthene			Bis(2-chloroethoxy) methane			Bis(2-chloroethyl) ether		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							8.1	---	---	---	---	---	---	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:							2,100	---	---	---	---	---	21,000	---	---	2,500	---	---	100	---	---
<i>Eco CC^c:</i>							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
IAAP96940	IAAP96940	691832.3	93342.32	11/13/06	0	0.5	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U
IAAP96941	IAAP96941	691814.66	93317.23	11/13/06	0	0.5	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U
IAAP96942	IAAP96942	691838.97	93244.84	11/13/06	0	0.5	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U
IAAP96952	IAAP96952	692127.71	93042.61	11/15/06	0	0.5	0.340	0.34	UJ	0.340	0.34	UJ	0.340	0.34	UJ	0.340	0.34	UJ	0.340	0.34	UJ
IAAP96953	IAAP96953	692116.38	93011.84	11/15/06	0	0.5	0.400	0.4	UJ	0.400	0.4	UJ	0.400	0.4	UJ	0.400	0.4	UJ	0.400	0.4	UJ
IAAP96955	IAAP96955	692175.68	92981.55	11/15/06	0	0.5	0.110	0.42	=	0.063	0.42	=	0.091	0.42	=	0.420	0.42	U	0.420	0.42	U
IAAP96957	IAAP96957	692056.98	93146.93	11/15/06	0	0.5	0.450	0.45	U	0.450	0.45	U	0.450	0.45	U	0.450	0.45	U	0.450	0.45	U
IAAP96958	IAAP96958	692074.54	93130.61	11/15/06	0	0.5	0.470	0.47	U	0.470	0.47	U	0.470	0.47	U	0.470	0.47	U	0.470	0.47	U
IAAP96959	IAAP96959	COMPOSITE	COMPOSITE	11/14/06	0	0.5	0.100	0.4	=	0.075	0.4	=	0.089	0.4	=	0.400	0.4	U	0.400	0.4	U
IAAP96960	IAAP96960	692088.53	93112.41	11/15/06	0	0.5	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U
IAAP96961	IAAP96961	COMPOSITE	COMPOSITE	11/13/06	0	0.5	0.069	0.41	=	0.055	0.41	=	0.065	0.41	=	0.410	0.41	U	0.410	0.41	U
IAAP96962	IAAP96962	COMPOSITE	COMPOSITE	11/13/06	0	0.5	0.240	0.4	=	0.150	0.4	=	0.260	0.4	=	0.400	0.4	U	0.400	0.4	U
IAAP96963	IAAP96963	COMPOSITE	COMPOSITE	11/13/06	0	0.5	0.380	0.38	U	0.380	0.38	U	0.380	0.38	U	0.380	0.38	U	0.380	0.38	U
IAAP96964	IAAP96964	691985.83	93063.1	11/13/06	0	0.5	0.099	0.41	=	0.410	0.41	U	0.100	0.41	=	0.410	0.41	U	0.410	0.41	U
IAAP96966	IAAP96966	691954.93	93007.81	11/13/06	0	0.5	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U
IAAP96968	IAAP96968	691938.96	93067.14	11/13/06	0	0.5	0.350	0.35	U	0.350	0.35	U	0.350	0.35	U	0.350	0.35	U	0.350	0.35	U
IAAP96969	IAAP96969	691938.96	93067.14	11/13/06	1	2	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U
IAAP96970	IAAP96970	691909.48	93056.65	11/13/06	0	0.5	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U
IAAP96976	IAAP96976	COMPOSITE	COMPOSITE	11/14/06	0	0.5	0.640	0.44	=	0.270	0.44	=	0.440	0.44	=	0.440	0.44	U	0.440	0.44	U
IAAP96977	IAAP96977	COMPOSITE	COMPOSITE	11/14/06	0	0.5	0.240	0.49	=	0.130	0.49	=	0.210	0.49	=	0.490	0.49	U	0.490	0.49	U
IAAP96979	IAAP96979	691795.01	93119.57	11/14/06	0	0.5	0.160	0.42	=	0.061	0.42	=	0.100	0.42	=	0.420	0.42	U	0.420	0.42	U
IAAP96980	IAAP96980	691808.87	93106.84	11/14/06	0	0.5	0.100	0.36	=	0.160	0.36	=	0.086	0.36	=	0.360	0.36	U	0.360	0.36	U
IAAP96987	IAAP96987	691941.32	92118.25	11/14/06	0	0.5	0.750	0.43	=	0.570	0.43	=	0.660	0.43	=	0.430	0.43	U	0.430	0.43	U
IAAP96988	IAAP96988	691954.34	92114.71	11/14/06	0	0.5	0.350	0.35	U	0.350	0.35	U	0.350	0.35	U	0.350	0.35	U	0.350	0.35	U
IAAP96989	IAAP96989	691876.63	92299.46	11/14/06	0	0.5	0.260	0.4	=	0.210	0.4	=	0.220	0.4	=	0.400	0.4	U	0.400	0.4	U
IAAP96990	IAAP96990	691858.09	92325.86	11/14/06	0	0.5	23.000	9.1	=	15.000	9.1	=	19.000	9.1	=	0.450	0.45	U	0.450	0.45	U
IAAP96992	IAAP96992	COMPOSITE	COMPOSITE	11/14/06	0	0.5	0.290	0.37	=	0.270	0.37	=	0.270	0.37	=	0.370	0.37	U	0.370	0.37	U
IAAP96994	IAAP96994	691857.33	92413.74	11/14/06	0	0.5	0.087	0.37	=	0.160	0.37	=	0.078	0.37	=	0.370	0.37	U	0.370	0.37	U
IAAP96995	IAAP96995	691870.98	92410.67	11/14/06	0	0.5	0.390	0.39	U	0.390	0.39	U	0.390	0.39	U	0.390	0.39	U	0.390	0.39	U
IAAP96996	IAAP96996	COMPOSITE	COMPOSITE	11/14/06	0	0.5	4.800	0.42	=	2.300	0.42	=	3.700	0.42	=	0.420	0.42	U	0.420	0.42	U
IAAP96997	IAAP96997	691844.39	92407.27	11/14/06	0	0.5	0.750	0.37	=	0.430	0.37	=	0.660	0.37	=	0.370	0.37	U	0.370	0.37	U
IAAP96998	IAAP96998	691728	93303	11/14/06	0	0.5	0.360	0.36	U	0.360	0.36	U	0.360	0.36	U	0.360	0.36	U	0.360	0.36	U
IAAP97000	IAAP97000	691786.4	93115.72	11/14/06	0	0.5	0.050	0.44	=	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U
IAAP97001	IAAP97001	691872	93010	12/18/06	0	0.5	0.280	0.36	J	0.170	0.36	=	0.280	0.36	=	0.360	0.36	U	0.360	0.36	U
IAAP97002	IAAP97002	691884	93003	12/18/06	0	0.5	0.130	0.35	J	0.086	0.35	=	0.130	0.35	=	0.350	0.35	U	0.350	0.35	U
IAAP97003	IAAP97003	691888	92995	12/18/06	0	0.5	0.550	0.4	J	0.310	0.4	=	0.560	0.4	=	0.400	0.4	U	0.400	0.4	U

Table B-1-3. FUSRAP Post-Excavation Soil Characterization Data Remaining for Semivolatile Organic Compounds at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	Benzo(b)fluoranthene			Benzo(g,h,i)perylene			Benzo(k)fluoranthene			Bis(2-chloroethoxy) methane			Bis(2-chloroethyl) ether		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							8.1	---	---	---	---	---	---	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:							2,100	---	---	---	---	---	21,000	---	---	2,500	---	---	100	---	---
<i>Eco CC^c:</i>							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
IAAP97010	IAAP97010	691891	92892	12/19/06	0	0.5	0.180	0.41	=	0.087	0.41	=	0.140	0.41	=	0.410	0.41	U	0.410	0.41	U
IAAP97011	IAAP97011	691900	92879	12/19/06	0	0.5	0.140	0.42	=	0.078	0.42	=	0.120	0.42	=	0.420	0.42	U	0.420	0.42	U
IAAP97012	IAAP97012	691889	92913	12/19/06	0	0.5	0.260	0.43	=	0.140	0.43	=	0.220	0.43	=	0.430	0.43	U	0.430	0.43	U
IAAP97013	IAAP97013	691813	92905	12/18/06	0	0.5	0.370	0.37	UJ	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U
IAAP97015	IAAP97015	691688	92824	12/18/06	0	0.5	0.350	0.35	UJ	0.350	0.35	U	0.350	0.35	U	0.350	0.35	U	0.350	0.35	U
IAAP97019	IAAP97019	691689	92747	12/18/06	0	0.5	0.440	0.44	UJ	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U
IAAP97020	IAAP97020	691695	92744	12/18/06	0	0.5	0.065	0.43	J	0.053	0.43	=	0.064	0.43	=	0.430	0.43	U	0.430	0.43	U
IAAP97021	IAAP97021	691719	92718	12/18/06	0	0.5	0.088	0.45	J	0.069	0.45	=	0.073	0.45	=	0.450	0.45	U	0.450	0.45	U
IAAP97024	IAAP97024	691745	92709	12/18/06	0	0.5	0.440	0.44	UJ	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U
IAAP97025	IAAP97025	691718	92783	12/18/06	0	0.5	0.440	0.44	UJ	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U
IAAP97027	IAAP97027	691942	92676	12/19/06	0	0.5	0.081	0.43	=	0.085	0.43	=	0.059	0.43	=	0.430	0.43	U	0.430	0.43	U
IAAP97035	IAAP97035	691972	92575	12/19/06	0	0.5	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U
IAAP97036	IAAP97036	692052.2	92417.45	12/19/06	0	0.5	0.061	0.36	=	0.360	0.36	U	0.053	0.36	=	0.360	0.36	U	0.360	0.36	U
IAAP97037	IAAP97037	692060	92421.6	12/19/06	0	0.5	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U
IAAP97038	IAAP97038	692004	92424	12/19/06	0	0.5	0.063	0.45	=	0.079	0.45	=	0.450	0.45	U	0.450	0.45	U	0.450	0.45	U
IAAP97043	IAAP97043	692015	92390	12/19/06	0	0.5	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U
IAAP97044	IAAP97044	692035	92385	12/19/06	0	0.5	0.077	0.46	=	0.460	0.46	U	0.080	0.46	=	0.460	0.46	U	0.460	0.46	U
IAAP97045	IAAP97045	692065	92323	12/19/06	0	0.5	0.390	0.39	U	0.390	0.39	U	0.390	0.39	U	0.390	0.39	U	0.390	0.39	U
IAAP97046	IAAP97046	692051	92339	12/19/06	0	0.5	0.130	0.44	=	0.082	0.44	=	0.088	0.44	=	0.440	0.44	U	0.440	0.44	U
IAAP97047	IAAP97047	692057.8	92401	12/19/06	0	0.5	0.042	0.35	=	0.350	0.35	U	0.350	0.35	U	0.350	0.35	U	0.350	0.35	U
IAAP98247	IAAP98247	691977	92312	12/19/06	0	0.5	3.300	0.46	=	1.700	0.46	=	2.800	0.46	=	0.460	0.46	U	0.460	0.46	U
IAAP98248	IAAP98248	691976.1	92379.2	12/19/06	0	0.5	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U
IAAP98249	IAAP98249	691962	92426.6	12/19/06	0	0.5	0.660	0.44	=	0.310	0.44	=	0.480	0.44	=	0.440	0.44	U	0.440	0.44	U
IAAP98260	IAAP98260	691719	92537	12/18/06	0	0.5	0.400	0.4	UJ	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U
IAAP98261	IAAP98261	691626	92692	12/18/06	0	0.5	0.410	0.41	UJ	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U
IAAP98262	IAAP98262	691633	92751	12/18/06	0	0.5	0.450	0.45	UJ	0.450	0.45	U	0.450	0.45	U	0.450	0.45	U	0.450	0.45	U
IAAP98263	IAAP98263	691582	92869	12/18/06	0	0.5	0.140	1.3	J	1.300	1.3	U	1.300	1.3	U	1.300	1.3	U	1.300	1.3	U
IAAP98264	IAAP98264	691518	93097	12/18/06	0	0.5	0.540	0.54	UJ	0.540	0.54	U	0.540	0.54	U	0.540	0.54	U	0.540	0.54	U
IAAP98266	IAAP98266	691878	92578	12/18/06	0	0.5	0.420	0.42	UJ	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U
IAAP98274	IAAP98274	691733.32	93424.71	12/20/06	0	0.5	0.370	0.37	UJ	0.370	0.37	UJ	0.370	0.37	UJ	0.370	0.37	U	0.370	0.37	U
IAAP99926	IAAP99926	691883.9	92993.3	04/15/07	0	0.5	0.760	0.037	=	0.380	0.037	=	0.660	0.037	=	0.037	0.037	U	0.037	0.037	U
IAAP99944	IAAP99944	691972.36	92388.37	04/16/07	0	0.5	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U
IAAP99945	IAAP99945	691960.61	92352.76	04/16/07	0	0.5	0.570	0.41	=	0.220	0.41	=	0.530	0.41	=	0.410	0.41	U	0.410	0.41	U
IAAP99946	IAAP99946	691934.21	92423.44	04/16/07	0	0.5	0.210	0.48	=	0.083	0.48	=	0.170	0.48	=	0.480	0.48	U	0.480	0.48	U
IAAP99947	IAAP99947	691975.93	92282.92	04/16/07	0	0.5	0.380	0.38	U	0.380	0.38	U	0.380	0.38	U	0.380	0.38	U	0.380	0.38	U
IAAP99948	IAAP99948	691980.56	92235.25	04/16/07	0	0.5	0.580	0.42	=	0.270	0.42	=	0.460	0.42	=	0.420	0.42	U	0.420	0.42	U

Table B-1-3. FUSRAP Post-Excavation Soil Characterization Data Remaining for Semivolatile Organic Compounds at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	Benzo(b)fluoranthene			Benzo(g,h,i)perylene			Benzo(k)fluoranthene			Bis(2-chloroethoxy) methane			Bis(2-chloroethyl) ether		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							8.1	---	---	---	---	---	---	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:							2,100	---	---	---	---	---	21,000	---	---	2,500	---	---	100	---	---
<i>Eco CC^c:</i>							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
IAAP99949	IAAP99949	691884.19	92483.11	04/16/07	0	0.5	0.059	0.47	=	0.470	0.47	U	0.470	0.47	U	0.470	0.47	U	0.470	0.47	U
IAAP99950	IAAP99950	691854.98	92504.08	04/16/07	0	0.5	0.410	0.67	=	0.220	0.67	=	0.350	0.67	=	0.670	0.67	U	0.670	0.67	U
IAAP99951	IAAP99951	691887.23	92383.87	04/16/07	0	0.5	0.280	0.4	=	0.110	0.4	=	0.240	0.4	=	0.400	0.4	U	0.400	0.4	U
IAAP99952	IAAP99952	691893.47	92351.89	04/16/07	0	0.5	2.600	0.42	=	1.100	0.42	=	2.200	0.42	=	0.420	0.42	U	0.420	0.42	U
IAAP99953	IAAP99953	691815.83	92443.83	04/16/07	0	0.5	0.084	0.5	=	0.500	0.5	U	0.077	0.5	=	0.500	0.5	U	0.500	0.5	U
IAAP99954	IAAP99954	691827.15	92460.05	04/16/07	0	0.5	0.140	0.042	=	0.073	0.042	=	0.130	0.042	=	0.042	0.042	U	0.042	0.042	U
IAAP99955	IAAP99955	691872.9	92318.95	04/16/07	0	0.5	0.300	0.039	=	0.190	0.039	=	0.250	0.039	=	0.039	0.039	U	0.039	0.039	U
IAAP99956	IAAP99956	691871.07	92238.22	04/16/07	0	0.5	0.130	0.051	=	0.051	0.051	U	0.120	0.051	=	0.051	0.051	U	0.051	0.051	U
IAAP99957	IAAP99957	691898.56	92243.32	04/16/07	0	0.5	0.048	0.048	U	0.048	0.048	U	0.048	0.048	U	0.048	0.048	U	0.048	0.048	U
IAAP99958	IAAP99958	691936.17	92258.58	04/16/07	0	0.5	0.051	0.051	U	0.051	0.051	U	0.051	0.051	U	0.051	0.051	U	0.051	0.051	U
Maximum Reported Concentration (Detects and Non-Detects):							23.000	---	=	15.000	---	=	19.000	---	=	1.300	---	U	1.300	---	U
Maximum Detected Concentration:							23.000	---	=	15.000	---	=	19.000	---	=	NA	---	---	NA	---	---
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0):							1	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection):							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Number of Sample Results Greater than USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0):							0	---	---	---	---	---	0	---	---	0	---	---	0	---	---
Number of Sample Results Greater than Ecological Critical Concentration:							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

^a Gray-shaded concentrations exceed the corresponding IAAAP OU-1 ROD RGs protective of an industrial worker ingesting soil (Harza 1998).

^b Concentrations in **bold** exceed the corresponding RSLs (USEPA 2018a) protective of an industrial worker exposed to soil via ingestion, dermal contact, and dust inhalation.

^c Concentrations in *italics* exceed the corresponding Eco CCs calculated for the WBPS.

Notes:

"---" Indicates that there is no comparison value available.

All results and comparison values are in mg/kg.

NA - Maximum detected result is not available because all results reported for the parameter are non-detect.

VQ symbols indicate: "=" positive identification, positive quantitation, no reason to estimate,

"U" non-detect, no reason to estimate, "J" positive identification, estimated quantitation, "UJ" analyte was not detected and had QC deficiencies.

Table B-1-3. FUSRAP Post-Excavation Soil Characterization Data Remaining for Semivolatile Organic Compounds at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	Bis(2-ethylhexyl) phthalate			Butyl benzyl phthalate			Carbazole			Chrysene			Dibenzo(a,h)anthracene		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	0.81	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:							16,000	---	---	120,000	---	---	---	---	---	210,000	---	---	210	---	---
<i>Eco CC^c:</i>							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
IAAP100014	IAAP100014	691782.68	93186	03/29/07	0	0.5	0.420	0.38	=	0.047	0.38	=	0.050	0.38	J	0.280	0.38	J	0.380	0.38	UJ
IAAP100015	IAAP100015	691786.76	93173.01	03/29/07	0	0.5	0.130	0.43	=	0.430	0.43	U	0.430	0.43	UJ	0.250	0.43	J	0.430	0.43	UJ
IAAP100017	IAAP100017	691788.4	93108.61	03/29/07	0	0.5	0.360	0.36	U	0.360	0.36	U	0.360	0.36	UJ	0.360	0.36	UJ	0.360	0.36	UJ
IAAP100018	IAAP100018	691799.22	93143.77	03/29/07	0	0.5	0.080	0.39	=	0.390	0.39	U	0.390	0.39	UJ	0.089	0.39	J	0.390	0.39	UJ
IAAP100036	IAAP103993	691949.6	92924.92	06/05/07	1	2	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U
IAAP100046	IAAP100046	691996.61	93031.05	03/23/07	0	0.5	0.430	0.43	U	0.150	0.43	=	0.430	0.43	UJ	0.430	0.43	UJ	0.430	0.43	U
IAAP100048	IAAP100048	691996.18	93025.73	03/23/07	0	0.5	0.048	0.43	=	0.340	0.43	=	0.430	0.43	UJ	0.071	0.43	J	0.430	0.43	U
IAAP100049	IAAP100049	692061.44	93004.97	03/23/07	0	0.5	0.410	0.41	U	0.410	0.41	U	0.410	0.41	UJ	0.410	0.41	UJ	0.410	0.41	U
IAAP100050	IAAP100050	692056.39	92980.91	03/23/07	0	0.5	0.410	0.41	U	0.410	0.41	U	0.410	0.41	UJ	0.120	0.41	J	0.410	0.41	U
IAAP100098	IAAP100098	692028.71	92529.77	04/15/07	0	0.5	0.044	0.044	U	0.044	0.044	U	0.044	0.044	U	0.044	0.044	U	0.044	0.044	U
IAAP100099	IAAP100099	692024.8	92529.01	04/15/07	0	0.5	0.046	0.046	U	0.046	0.046	U	0.046	0.046	U	0.046	0.046	U	0.046	0.046	U
IAAP100103	IAAP100103	691732.21	92673.65	04/16/07	0	0.5	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U	0.059	0.043	=	0.043	0.043	U
IAAP100104	IAAP100104	691734.09	92661.56	04/16/07	0	0.5	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U	0.064	0.043	=	0.043	0.043	U
IAAP100105	IAAP100105	691740.39	92663.06	04/16/07	0	0.5	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U
IAAP100106	IAAP100106	692077.92	92392.37	04/16/07	0	0.5	0.035	0.035	U	0.035	0.035	U	0.035	0.035	U	0.035	0.035	U	0.035	0.035	U
IAAP100107	IAAP100107	692073.96	92394.18	04/16/07	0	0.5	0.036	0.036	U	0.036	0.036	U	0.036	0.036	U	0.036	0.036	U	0.036	0.036	U
IAAP100108	IAAP100108	692069.83	92386.12	04/16/07	0	0.5	0.660	0.056	=	0.260	0.056	=	0.120	0.056	=	0.720	0.056	=	0.069	0.056	=
IAAP100117	IAAP100117	691657.49	92890.56	04/03/07	0	0.5	0.078	0.042	=	0.042	0.042	U	0.200	0.042	=	0.740	0.042	=	0.120	0.042	=
IAAP100119	IAAP100119	691886.46	92908.5	04/16/07	0	0.5	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U	0.190	0.043	=	0.043	0.043	U
IAAP100120	IAAP100120	691892.27	92915.15	04/16/07	0	0.5	0.044	0.044	U	0.044	0.044	U	0.550	0.044	=	2.600	0.044	=	0.390	0.044	=
IAAP100121	IAAP100121	691883.8	92915.71	04/16/07	0	0.5	0.045	0.045	U	0.045	0.045	U	0.045	0.045	U	0.074	0.045	=	0.045	0.045	U
IAAP100123	IAAP100123	691874.49	93011.94	04/15/07	0	0.5	0.210	0.037	=	0.037	0.037	U	0.099	0.037	=	0.620	0.037	=	0.100	0.037	=
IAAP100125	IAAP100125	691890.75	92991.72	04/11/07	0	0.5	0.043	0.043	U	0.043	0.043	U	0.082	0.043	=	0.470	0.043	=	0.066	0.043	=
IAAP103908	IAAP103908	691778.4	93191.87	05/29/07	0	0.5	0.730	0.38	=	0.055	0.38	=	0.069	0.38	=	0.970	0.38	=	0.120	0.38	=
IAAP103910	IAAP103910	691938.61	93076.7	05/29/07	0	0.5	0.340	0.34	U	0.150	0.34	=	0.340	0.34	U	0.120	0.34	=	0.340	0.34	U
IAAP103911	IAAP103911	691932.25	93063.5	05/29/07	0	0.5	0.370	0.37	U	0.150	0.37	=	0.370	0.37	U	0.085	0.37	=	0.370	0.37	U
IAAP103911	IAAP103991	691932.25	93063.5	06/05/07	1	2	0.390	0.39	U	0.390	0.39	U	0.390	0.39	U	0.390	0.39	U	0.390	0.39	U
IAAP103914	IAAP103914	691947.43	93012.67	05/29/07	0	0.5	0.420	0.42	U	0.069	0.42	=	0.420	0.42	U	0.180	0.42	=	0.420	0.42	U
IAAP103916	IAAP103916	691983.74	93024.23	05/29/07	0	0.5	0.370	0.37	U	0.220	0.37	=	0.050	0.37	=	0.240	0.37	=	0.370	0.37	U
IAAP103917	IAAP103917	691993.16	93019.08	05/29/07	0	0.5	0.400	0.4	U	0.170	0.4	=	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U
IAAP103918	IAAP103918	691995.13	93038.88	05/29/07	0	0.5	0.440	0.44	U	0.390	0.44	=	0.440	0.44	U	0.056	0.44	=	0.440	0.44	U
IAAP103923	IAAP103923	691890.59	93003.72	05/30/07	0	0.5	0.360	0.36	U	0.360	0.36	U	0.360	0.36	U	0.260	0.36	J	0.360	0.36	U
IAAP103924	IAAP103924	691875.87	92999.03	05/30/07	0	0.5	0.340	0.34	U	0.340	0.34	U	0.065	0.34	J	0.380	0.34	=	0.340	0.34	U
IAAP103927	IAAP103927	691895.22	92989.4	05/30/07	0	0.5	0.380	0.38	U	0.380	0.38	U	0.380	0.38	U	0.200	0.38	J	0.380	0.38	U
IAAP103930	IAAP103930	691900.09	92911.11	05/30/07	0	0.5	0.420	0.42	U	0.420	0.42	U	0.210	0.42	J	1.000	0.42	=	0.130	0.42	J
IAAP103931	IAAP103931	691897.02	92918.97	05/30/07	0	0.5	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.160	0.43	J	0.430	0.43	U

Table B-1-3. FUSRAP Post-Excavation Soil Characterization Data Remaining for Semivolatile Organic Compounds at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	Bis(2-ethylhexyl) phthalate			Butyl benzyl phthalate			Carbazole			Chrysene			Dibenzo(a,h)anthracene		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	0.81	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:							16,000	---	---	120,000	---	---	---	---	---	210,000	---	---	210	---	---
<i>Eco CC^c:</i>							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
IAAP103941	IAAP103941	691708	92792	06/05/07	0	0.5	0.480	0.48	U	0.480	0.48	U	0.480	0.48	U	0.088	0.48	=	0.480	0.48	U
IAAP103942	IAAP103942	691705.9	92790.11	06/05/07	0	0.5	0.450	0.45	U	0.450	0.45	U	0.450	0.45	U	0.100	0.45	=	0.450	0.45	U
IAAP103943	IAAP103943	691703.83	92788.7	06/05/07	0	0.5	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U
IAAP103944	IAAP103944	691708.53	92787.68	06/05/07	0	0.5	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U
IAAP103949	IAAP103949	691656.88	92924.64	05/30/07	0	0.5	0.150	0.41	J	0.410	0.41	U	0.074	0.41	J	0.440	0.41	=	0.061	0.41	J
IAAP103950	IAAP103950	691649.22	92942.43	05/30/07	0	0.5	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	0.220	0.37	J	0.370	0.37	U
IAAP103951	IAAP103951	691637.62	92967.26	05/30/07	0	0.5	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.077	0.41	J	0.410	0.41	U
IAAP103952	IAAP103952	691865.78	92664.13	06/05/07	0	0.5	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.110	0.44	J	0.440	0.44	U
IAAP103953	IAAP103953	691871.78	92672.56	06/05/07	0	0.5	0.390	0.39	U	0.390	0.39	U	0.390	0.39	U	0.073	0.39	J	0.390	0.39	U
IAAP103967	IAAP103967	692063.43	92392.21	05/31/07	0	0.5	0.410	0.41	U	0.046	0.41	=	0.410	0.41	U	0.058	0.41	=	0.410	0.41	U
IAAP103968	IAAP103968	692078.65	92374.24	05/31/07	0	0.5	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.110	0.42	=	0.420	0.42	U
IAAP103969	IAAP103969	692016.53	92256.62	05/31/07	0	0.5	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.087	0.44	=	0.440	0.44	U
IAAP103970	IAAP103970	691999.44	92298.14	05/31/07	0	0.5	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U
IAAP103971	IAAP103971	691986.99	92341.35	05/31/07	0	0.5	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.095	0.42	=	0.420	0.42	U
IAAP103972	IAAP103972	691952.26	92326.31	05/31/07	0	0.5	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.140	0.41	=	0.410	0.41	U
IAAP103973	IAAP103973	691921.12	92305.41	05/31/07	0	0.5	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U
IAAP103974	IAAP103974	691897.41	92378.59	05/31/07	0	0.5	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U
IAAP103975	IAAP103975	691944.38	92098.79	05/31/07	0	0.5	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U
IAAP103976	IAAP103976	691822.5	92425.05	05/31/07	0	0.5	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.230	0.43	=	0.430	0.43	U
IAAP103977	IAAP103977	691812.21	92455.45	05/31/07	0	0.5	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.280	0.43	=	0.430	0.43	U
IAAP103978	IAAP103978	691885.27	92272.64	05/31/07	0	0.5	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.075	0.43	=	0.430	0.43	U
IAAP103979	IAAP103979	691850.87	92305.71	05/31/07	0	0.5	0.400	0.4	U	0.400	0.4	U	0.045	0.4	=	0.380	0.4	=	0.400	0.4	U
IAAP103980	IAAP103980	691950.01	92383.95	05/31/07	0	0.5	0.440	0.44	U	0.440	0.44	U	0.120	0.44	=	0.760	0.44	=	0.091	0.44	=
IAAP103981	IAAP103981	691938.67	92369.23	05/31/07	0	0.5	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.060	0.44	=	0.440	0.44	U
IAAP103982	IAAP103982	691854.52	92524.36	05/31/07	0	0.5	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U
IAAP103983	IAAP103983	691816.94	92510.02	05/31/07	0	0.5	1.000	1	U	1.000	1	U	1.000	1	U	1.000	1	U	1.000	1	U
IAAP103984	IAAP103984	691862.73	92475.37	05/31/07	0	0.5	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.210	0.43	=	0.430	0.43	U
IAAP136603	IAAP100047	691990.48	93027.37	03/23/07	0	0.5	0.400	0.4	U	0.160	0.4	=	0.100	0.4	J	0.620	0.4	J	0.089	0.4	=
IAAP96931	IAAP96931	691967.16	93373.53	11/15/06	0	0.5	0.100	0.41	=	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U
IAAP96932	IAAP96932	691951.14	93368.38	11/15/06	0	0.5	0.130	0.46	=	0.460	0.46	U	0.460	0.46	U	0.460	0.46	U	0.460	0.46	U
IAAP96934	IAAP96934	COMPOSITE	COMPOSITE	11/15/06	0	0.5	0.230	0.38	=	0.380	0.38	U	0.380	0.38	U	0.380	0.38	U	0.380	0.38	U
IAAP96935	IAAP96935	691894.02	93328.08	11/15/06	0	0.5	0.370	0.37	U	0.370	0.37	U	0.080	0.37	=	0.280	0.37	=	0.370	0.37	U
IAAP96936	IAAP96936	COMPOSITE	COMPOSITE	11/15/06	0	0.5	0.110	0.44	=	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U
IAAP96937	IAAP96937	COMPOSITE	COMPOSITE	11/13/06	0	0.5	0.087	0.37	=	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U
IAAP96938	IAAP96938	691840.29	93270.4	11/13/06	0	0.5	0.110	0.44	=	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U
IAAP96939	IAAP96939	691831.83	93298.23	11/13/06	0	0.5	0.360	0.36	U	0.360	0.36	U	0.360	0.36	U	0.360	0.36	U	0.360	0.36	U

Table B-1-3. FUSRAP Post-Excavation Soil Characterization Data Remaining for Semivolatile Organic Compounds at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	Bis(2-ethylhexyl) phthalate			Butyl benzyl phthalate			Carbazole			Chrysene			Dibenzo(a,h)anthracene		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	0.81	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:							16,000	---	---	120,000	---	---	---	---	---	210,000	---	---	210	---	---
<i>Eco CC^c:</i>							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
IAAP96940	IAAP96940	691832.3	93342.32	11/13/06	0	0.5	0.110	0.37	=	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U
IAAP96941	IAAP96941	691814.66	93317.23	11/13/06	0	0.5	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U
IAAP96942	IAAP96942	691838.97	93244.84	11/13/06	0	0.5	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U
IAAP96952	IAAP96952	692127.71	93042.61	11/15/06	0	0.5	0.340	0.34	UJ	0.340	0.34	UJ	0.340	0.34	UJ	0.340	0.34	UJ	0.340	0.34	UJ
IAAP96953	IAAP96953	692116.38	93011.84	11/15/06	0	0.5	0.400	0.4	UJ	0.400	0.4	UJ	0.400	0.4	UJ	0.400	0.4	UJ	0.400	0.4	UJ
IAAP96955	IAAP96955	692175.68	92981.55	11/15/06	0	0.5	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.150	0.42	=	0.420	0.42	U
IAAP96957	IAAP96957	692056.98	93146.93	11/15/06	0	0.5	0.450	0.45	U	0.450	0.45	U	0.450	0.45	U	0.450	0.45	U	0.450	0.45	U
IAAP96958	IAAP96958	692074.54	93130.61	11/15/06	0	0.5	0.470	0.47	U	0.470	0.47	U	0.470	0.47	U	0.470	0.47	U	0.470	0.47	U
IAAP96959	IAAP96959	COMPOSITE	COMPOSITE	11/14/06	0	0.5	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	0.110	0.4	=	0.400	0.4	U
IAAP96960	IAAP96960	692088.53	93112.41	11/15/06	0	0.5	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U
IAAP96961	IAAP96961	COMPOSITE	COMPOSITE	11/13/06	0	0.5	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.084	0.41	=	0.410	0.41	U
IAAP96962	IAAP96962	COMPOSITE	COMPOSITE	11/13/06	0	0.5	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	0.260	0.4	=	0.400	0.4	U
IAAP96963	IAAP96963	COMPOSITE	COMPOSITE	11/13/06	0	0.5	0.440	0.38	=	0.050	0.38	=	0.380	0.38	U	0.380	0.38	U	0.380	0.38	U
IAAP96964	IAAP96964	691985.83	93063.1	11/13/06	0	0.5	0.410	0.41	U	0.410	0.41	=	0.410	0.41	U	0.130	0.41	=	0.410	0.41	U
IAAP96966	IAAP96966	691954.93	93007.81	11/13/06	0	0.5	0.420	0.42	U	0.140	0.42	=	0.420	0.42	U	0.043	0.42	=	0.420	0.42	U
IAAP96968	IAAP96968	691938.96	93067.14	11/13/06	0	0.5	0.350	0.35	U	0.130	0.35	=	0.350	0.35	U	0.350	0.35	U	0.350	0.35	U
IAAP96969	IAAP96969	691938.96	93067.14	11/13/06	1	2	0.051	0.4	=	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U
IAAP96970	IAAP96970	691909.48	93056.65	11/13/06	0	0.5	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U
IAAP96976	IAAP96976	COMPOSITE	COMPOSITE	11/14/06	0	0.5	0.380	0.44	=	0.140	0.44	=	0.440	0.44	U	0.430	0.44	=	0.120	0.44	=
IAAP96977	IAAP96977	COMPOSITE	COMPOSITE	11/14/06	0	0.5	1.100	0.49	=	0.490	0.49	U	0.490	0.49	U	0.280	0.49	=	0.490	0.49	U
IAAP96979	IAAP96979	691795.01	93119.57	11/14/06	0	0.5	0.069	0.42	=	0.420	0.42	U	0.059	0.42	=	0.170	0.42	=	0.420	0.42	U
IAAP96980	IAAP96980	691808.87	93106.84	11/14/06	0	0.5	0.110	0.36	=	0.360	0.36	U	0.360	0.36	U	0.083	0.36	=	0.039	0.36	=
IAAP96987	IAAP96987	691941.32	92118.25	11/14/06	0	0.5	0.430	0.43	U	0.430	0.43	U	0.180	0.43	=	0.890	0.43	=	0.210	0.43	=
IAAP96988	IAAP96988	691954.34	92114.71	11/14/06	0	0.5	0.350	0.35	U	0.350	0.35	U	0.350	0.35	U	0.350	0.35	U	0.350	0.35	U
IAAP96989	IAAP96989	691876.63	92299.46	11/14/06	0	0.5	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	0.280	0.4	=	0.057	0.4	=
IAAP96990	IAAP96990	691858.09	92325.86	11/14/06	0	0.5	0.450	0.45	U	0.450	0.45	U	5.400	0.45	=	25.000	9.1	=	5.500	0.45	=
IAAP96992	IAAP96992	COMPOSITE	COMPOSITE	11/14/06	0	0.5	0.190	0.37	=	0.370	0.37	U	0.050	0.37	=	0.360	0.37	=	0.056	0.37	=
IAAP96994	IAAP96994	691857.33	92413.74	11/14/06	0	0.5	0.220	0.37	=	0.370	0.37	U	0.065	0.37	=	0.100	0.37	=	0.370	0.37	U
IAAP96995	IAAP96995	691870.98	92410.67	11/14/06	0	0.5	0.390	0.39	U	0.390	0.39	U	0.390	0.39	U	0.390	0.39	U	0.390	0.39	U
IAAP96996	IAAP96996	COMPOSITE	COMPOSITE	11/14/06	0	0.5	0.160	0.42	=	0.420	0.42	U	1.200	0.42	=	5.700	0.42	=	1.100	0.42	=
IAAP96997	IAAP96997	691844.39	92407.27	11/14/06	0	0.5	0.200	0.37	=	0.370	0.37	U	0.220	0.37	=	0.830	0.37	=	0.150	0.37	=
IAAP96998	IAAP96998	691728	93303	11/14/06	0	0.5	0.260	0.36	=	0.360	0.36	U	0.360	0.36	U	0.360	0.36	U	0.360	0.36	U
IAAP97000	IAAP97000	691786.4	93115.72	11/14/06	0	0.5	0.460	0.44	=	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U
IAAP97001	IAAP97001	691872	93010	12/18/06	0	0.5	0.037	0.36	=	0.064	0.36	=	0.037	0.36	=	0.340	0.36	J	0.049	0.36	=
IAAP97002	IAAP97002	691884	93003	12/18/06	0	0.5	0.350	0.35	U	0.350	0.35	U	0.350	0.35	U	0.160	0.35	J	0.350	0.35	U
IAAP97003	IAAP97003	691888	92995	12/18/06	0	0.5	0.044	0.4	=	0.059	0.4	=	0.079	0.4	=	0.630	0.4	J	0.110	0.4	=

Table B-1-3. FUSRAP Post-Excavation Soil Characterization Data Remaining for Semivolatile Organic Compounds at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	Bis(2-ethylhexyl) phthalate			Butyl benzyl phthalate			Carbazole			Chrysene			Dibenzo(a,h)anthracene		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	0.81	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:							16,000	---	---	120,000	---	---	---	---	---	210,000	---	---	210	---	---
<i>Eco CC^c:</i>							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
IAAP97010	IAAP97010	691891	92892	12/19/06	0	0.5	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.190	0.41	=	0.410	0.41	U
IAAP97011	IAAP97011	691900	92879	12/19/06	0	0.5	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.170	0.42	=	0.420	0.42	U
IAAP97012	IAAP97012	691889	92913	12/19/06	0	0.5	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.300	0.43	=	0.430	0.43	U
IAAP97013	IAAP97013	691813	92905	12/18/06	0	0.5	0.140	0.37	=	0.370	0.37	U	0.370	0.37	U	0.370	0.37	UJ	0.370	0.37	U
IAAP97015	IAAP97015	691688	92824	12/18/06	0	0.5	0.350	0.35	U	0.350	0.35	U	0.350	0.35	U	0.350	0.35	UJ	0.350	0.35	U
IAAP97019	IAAP97019	691689	92747	12/18/06	0	0.5	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	UJ	0.440	0.44	U
IAAP97020	IAAP97020	691695	92744	12/18/06	0	0.5	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.080	0.43	J	0.430	0.43	U
IAAP97021	IAAP97021	691719	92718	12/18/06	0	0.5	0.450	0.45	U	0.450	0.45	U	0.450	0.45	U	0.084	0.45	J	0.450	0.45	U
IAAP97024	IAAP97024	691745	92709	12/18/06	0	0.5	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	UJ	0.440	0.44	U
IAAP97025	IAAP97025	691718	92783	12/18/06	0	0.5	0.078	0.44	=	0.440	0.44	U	0.440	0.44	U	0.440	0.44	UJ	0.440	0.44	U
IAAP97027	IAAP97027	691942	92676	12/19/06	0	0.5	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U
IAAP97035	IAAP97035	691972	92575	12/19/06	0	0.5	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U
IAAP97036	IAAP97036	692052.2	92417.45	12/19/06	0	0.5	0.038	0.36	=	0.360	0.36	U	0.360	0.36	U	0.091	0.36	=	0.360	0.36	U
IAAP97037	IAAP97037	692060	92421.6	12/19/06	0	0.5	0.045	0.37	=	0.370	0.37	U	0.370	0.37	U	0.039	0.37	=	0.370	0.37	U
IAAP97038	IAAP97038	692004	92424	12/19/06	0	0.5	0.450	0.45	U	0.450	0.45	U	0.450	0.45	U	0.450	0.45	U	0.450	0.45	U
IAAP97043	IAAP97043	692015	92390	12/19/06	0	0.5	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U
IAAP97044	IAAP97044	692035	92385	12/19/06	0	0.5	0.460	0.46	U	0.460	0.46	U	0.460	0.46	U	0.099	0.46	=	0.460	0.46	U
IAAP97045	IAAP97045	692065	92323	12/19/06	0	0.5	0.390	0.39	U	0.390	0.39	U	0.390	0.39	U	0.390	0.39	U	0.390	0.39	U
IAAP97046	IAAP97046	692051	92339	12/19/06	0	0.5	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.090	0.44	=	0.440	0.44	U
IAAP97047	IAAP97047	692057.8	92401	12/19/06	0	0.5	0.160	0.35	=	0.039	0.35	=	0.350	0.35	U	0.053	0.35	=	0.350	0.35	U
IAAP98247	IAAP98247	691977	92312	12/19/06	0	0.5	0.460	0.46	U	0.460	0.46	U	0.950	0.46	=	4.100	0.46	=	0.640	0.46	=
IAAP98248	IAAP98248	691976.1	92379.2	12/19/06	0	0.5	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U
IAAP98249	IAAP98249	691962	92426.6	12/19/06	0	0.5	0.440	0.44	U	0.440	0.44	U	0.110	0.44	=	0.740	0.44	=	0.097	0.44	=
IAAP98260	IAAP98260	691719	92537	12/18/06	0	0.5	0.400	0.4	U	0.400	0.4	U	0.400	0.4	UJ	0.400	0.4	UJ	0.400	0.4	U
IAAP98261	IAAP98261	691626	92692	12/18/06	0	0.5	0.056	0.41	=	0.410	0.41	U	0.410	0.41	UJ	0.410	0.41	UJ	0.410	0.41	U
IAAP98262	IAAP98262	691633	92751	12/18/06	0	0.5	0.450	0.45	U	0.450	0.45	U	0.450	0.45	U	0.450	0.45	UJ	0.450	0.45	U
IAAP98263	IAAP98263	691582	92869	12/18/06	0	0.5	5.900	1.3	=	1.300	1.3	U	1.300	1.3	U	0.140	1.3	J	1.300	1.3	U
IAAP98264	IAAP98264	691518	93097	12/18/06	0	0.5	0.540	0.54	U	0.540	0.54	U	0.540	0.54	U	0.540	0.54	UJ	0.540	0.54	U
IAAP98266	IAAP98266	691878	92578	12/18/06	0	0.5	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	UJ	0.420	0.42	U
IAAP98274	IAAP98274	691733.32	93424.71	12/20/06	0	0.5	0.083	0.37	=	0.370	0.37	U	0.370	0.37	UJ	0.042	0.37	UJ	0.370	0.37	UJ
IAAP99926	IAAP99926	691883.9	92993.3	04/15/07	0	0.5	0.049	0.037	=	0.037	0.037	U	0.087	0.037	=	0.620	0.037	=	0.100	0.037	=
IAAP99944	IAAP99944	691972.36	92388.37	04/16/07	0	0.5	0.048	0.44	=	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U
IAAP99945	IAAP99945	691960.61	92352.76	04/16/07	0	0.5	0.130	0.41	=	0.410	0.41	U	0.089	0.41	=	0.630	0.41	=	0.410	0.41	U
IAAP99946	IAAP99946	691934.21	92423.44	04/16/07	0	0.5	0.480	0.48	U	0.480	0.48	U	0.480	0.48	U	0.200	0.48	=	0.480	0.48	U
IAAP99947	IAAP99947	691975.93	92282.92	04/16/07	0	0.5	0.380	0.38	U	0.380	0.38	U	0.380	0.38	U	0.380	0.38	U	0.380	0.38	U
IAAP99948	IAAP99948	691980.56	92235.25	04/16/07	0	0.5	0.085	0.42	=	0.420	0.42	U	0.100	0.42	=	0.610	0.42	=	0.074	0.42	=

Table B-1-3. FUSRAP Post-Excavation Soil Characterization Data Remaining for Semivolatile Organic Compounds at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	Bis(2-ethylhexyl) phthalate			Butyl benzyl phthalate			Carbazole			Chrysene			Dibenzo(a,h)anthracene		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							---	---	---	---	---	---	---	---	---	---	---	0.81	---	---	
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:							16,000	---	---	120,000	---	---	---	---	---	210,000	---	---	210	---	---
<i>Eco CC^c:</i>							---	---	---	---	---	---	---	---	---	---	---	---	---	---	
IAAP99949	IAAP99949	691884.19	92483.11	04/16/07	0	0.5	0.470	0.47	U	0.470	0.47	U	0.470	0.47	U	0.055	0.47	=	0.470	0.47	U
IAAP99950	IAAP99950	691854.98	92504.08	04/16/07	0	0.5	0.670	0.67	U	0.670	0.67	U	0.670	0.67	U	0.430	0.67	=	0.670	0.67	U
IAAP99951	IAAP99951	691887.23	92383.87	04/16/07	0	0.5	0.400	0.4	U	0.400	0.4	U	0.068	0.4	=	0.290	0.4	=	0.400	0.4	U
IAAP99952	IAAP99952	691893.47	92351.89	04/16/07	0	0.5	0.420	0.42	U	0.420	0.42	U	0.530	0.42	=	2.400	0.42	=	0.410	0.42	=
IAAP99953	IAAP99953	691815.83	92443.83	04/16/07	0	0.5	0.500	0.5	U	0.500	0.5	U	0.500	0.5	U	0.070	0.5	=	0.500	0.5	U
IAAP99954	IAAP99954	691827.15	92460.05	04/16/07	0	0.5	0.042	0.042	U	0.042	0.042	U	0.042	0.042	U	0.170	0.042	=	0.042	0.042	U
IAAP99955	IAAP99955	691872.9	92318.95	04/16/07	0	0.5	0.260	0.039	=	0.051	0.039	=	0.039	0.039	U	0.280	0.039	=	0.056	0.039	=
IAAP99956	IAAP99956	691871.07	92238.22	04/16/07	0	0.5	0.051	0.051	U	0.051	0.051	U	0.051	0.051	U	0.110	0.051	=	0.051	0.051	U
IAAP99957	IAAP99957	691898.56	92243.32	04/16/07	0	0.5	0.048	0.048	U	0.048	0.048	U	0.048	0.048	U	0.048	0.048	U	0.048	0.048	U
IAAP99958	IAAP99958	691936.17	92258.58	04/16/07	0	0.5	0.051	0.051	U	0.051	0.051	U	0.051	0.051	U	0.051	0.051	U	0.051	0.051	U
Maximum Reported Concentration (Detects and Non-Detects):							5.900	---	=	1.300	---	U	5.400	---	=	25.000	---	=	5.500	---	=
Maximum Detected Concentration:							5.900	---	=	0.410	---	=	5.400	---	=	25.000	---	=	5.500	---	=
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0):							---	---	---	---	---	---	---	---	---	---	---	---	4	---	---
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection):							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Number of Sample Results Greater than USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0):							0	---	---	0	---	---	---	---	---	0	---	---	0	---	---
Number of Sample Results Greater than Ecological Critical Concentration:							---	---	---	---	---	---	---	---	---	---	---	---	---	---	

^a Gray-shaded concentrations exceed the corresponding IAAAP OU-1 ROD RGs protective of an industrial worker ingesting soil (Harza 1998).

^b Concentrations in **bold** exceed the corresponding RSLs (USEPA 2018a) protective of an industrial worker exposed to soil via ingestion, dermal contact, and dust inhalation.

^c Concentrations in *italics* exceed the corresponding Eco CCs calculated for the WBPS.

Notes:

"---" Indicates that there is no comparison value available.

All results and comparison values are in mg/kg.

NA - Maximum detected result is not available because all results reported for the parameter are non-detect.

VQ symbols indicate: "=" positive identification, positive quantitation, no reason to estimate,

"U" non-detect, no reason to estimate, "J" positive identification, estimated quantitation, "UJ" analyte was not detected and had QC deficiencies.

Table B-1-3. FUSRAP Post-Excavation Soil Characterization Data Remaining for Semivolatile Organic Compounds at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	Dibenzofuran			Diethyl phthalate			Dimethyl phthalate			Di-n-butyl phthalate			Di-n-octyl phthalate			
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:							1,000	---	---	660,000	---	---	---	---	---	82,000	---	---	8,200	---	---	
<i>Eco CC^c:</i>							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
IAAP100014	IAAP100014	691782.68	93186	03/29/07	0	0.5	0.380	0.38	U	0.380	0.38	U	0.380	0.38	U	0.100	0.38	=	0.380	0.38	U	
IAAP100015	IAAP100015	691786.76	93173.01	03/29/07	0	0.5	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	
IAAP100017	IAAP100017	691788.4	93108.61	03/29/07	0	0.5	0.360	0.36	U	0.360	0.36	U	0.360	0.36	U	0.360	0.36	U	0.360	0.36	U	
IAAP100018	IAAP100018	691799.22	93143.77	03/29/07	0	0.5	0.390	0.39	U	0.390	0.39	U	0.390	0.39	U	0.390	0.39	U	0.390	0.39	U	
IAAP100036	IAAP103993	691949.6	92924.92	06/05/07	1	2	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	
IAAP100046	IAAP100046	691996.61	93031.05	03/23/07	0	0.5	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	
IAAP100048	IAAP100048	691996.18	93025.73	03/23/07	0	0.5	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	
IAAP100049	IAAP100049	692061.44	93004.97	03/23/07	0	0.5	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	
IAAP100050	IAAP100050	692056.39	92980.91	03/23/07	0	0.5	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	
IAAP100098	IAAP100098	692028.71	92529.77	04/15/07	0	0.5	0.044	0.044	U	0.044	0.044	U	0.044	0.044	U	0.044	0.044	U	0.020	0.02	U	
IAAP100099	IAAP100099	692024.8	92529.01	04/15/07	0	0.5	0.046	0.046	U	0.046	0.046	U	0.046	0.046	U	0.046	0.046	U	0.020	0.02	U	
IAAP100103	IAAP100103	691732.21	92673.65	04/16/07	0	0.5	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U	0.019	0.019	U	
IAAP100104	IAAP100104	691734.09	92661.56	04/16/07	0	0.5	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U	0.019	0.019	U	
IAAP100105	IAAP100105	691740.39	92663.06	04/16/07	0	0.5	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U	0.019	0.019	U	
IAAP100106	IAAP100106	692077.92	92392.37	04/16/07	0	0.5	0.035	0.035	U	0.035	0.035	U	0.035	0.035	U	0.035	0.035	U	0.016	0.016	U	
IAAP100107	IAAP100107	692073.96	92394.18	04/16/07	0	0.5	0.036	0.036	U	0.036	0.036	U	0.036	0.036	U	0.036	0.036	U	0.016	0.016	U	
IAAP100108	IAAP100108	692069.83	92386.12	04/16/07	0	0.5	0.056	0.056	U	0.056	0.056	U	0.056	0.056	U	0.320	0.056	=	0.025	0.025	U	
IAAP100117	IAAP100117	691657.49	92890.56	04/03/07	0	0.5	0.081	0.042	=	0.042	0.042	U	0.042	0.042	U	0.042	0.042	U	0.019	0.019	U	
IAAP100119	IAAP100119	691886.46	92908.5	04/16/07	0	0.5	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U	0.019	0.019	U	
IAAP100120	IAAP100120	691892.27	92915.15	04/16/07	0	0.5	0.170	0.044	=	0.044	0.044	U	0.044	0.044	U	0.044	0.044	U	0.019	0.019	U	
IAAP100121	IAAP100121	691883.8	92915.71	04/16/07	0	0.5	0.045	0.045	U	0.045	0.045	U	0.045	0.045	U	0.045	0.045	U	0.020	0.02	U	
IAAP100123	IAAP100123	691874.49	93011.94	04/15/07	0	0.5	0.037	0.037	U	0.037	0.037	U	0.037	0.037	U	0.037	0.037	U	0.016	0.016	U	
IAAP100125	IAAP100125	691890.75	92991.72	04/11/07	0	0.5	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U	0.019	0.019	U	
IAAP103908	IAAP103908	691778.4	93191.87	05/29/07	0	0.5	0.380	0.38	U	0.380	0.38	U	0.380	0.38	U	0.047	0.38	=	0.380	0.38	U	
IAAP103910	IAAP103910	691938.61	93076.7	05/29/07	0	0.5	0.340	0.34	U	0.340	0.34	U	0.340	0.34	U	0.340	0.34	U	0.340	0.34	U	
IAAP103911	IAAP103911	691932.25	93063.5	05/29/07	0	0.5	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	
IAAP103911	IAAP103991	691932.25	93063.5	06/05/07	1	2	0.390	0.39	U	0.390	0.39	U	0.390	0.39	U	0.390	0.39	U	0.390	0.39	U	
IAAP103914	IAAP103914	691947.43	93012.67	05/29/07	0	0.5	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.150	0.42	=	0.420	0.42	U	
IAAP103916	IAAP103916	691983.74	93024.23	05/29/07	0	0.5	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	0.051	0.37	=	0.370	0.37	U	
IAAP103917	IAAP103917	691993.16	93019.08	05/29/07	0	0.5	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	
IAAP103918	IAAP103918	691995.13	93038.88	05/29/07	0	0.5	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	
IAAP103923	IAAP103923	691890.59	93003.72	05/30/07	0	0.5	0.360	0.36	U	0.360	0.36	U	0.360	0.36	U	0.360	0.36	U	0.360	0.36	U	
IAAP103924	IAAP103924	691875.87	92999.03	05/30/07	0	0.5	0.340	0.34	U	0.340	0.34	U	0.340	0.34	U	0.340	0.34	U	0.340	0.34	U	
IAAP103927	IAAP103927	691895.22	92989.4	05/30/07	0	0.5	0.380	0.38	U	0.380	0.38	U	0.380	0.38	U	0.380	0.38	U	0.380	0.38	U	
IAAP103930	IAAP103930	691900.09	92911.11	05/30/07	0	0.5	0.057	0.42	J	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	
IAAP103931	IAAP103931	691897.02	92918.97	05/30/07	0	0.5	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	

Table B-1-3. FUSRAP Post-Excavation Soil Characterization Data Remaining for Semivolatile Organic Compounds at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	Dibenzofuran			Diethyl phthalate			Dimethyl phthalate			Di-n-butyl phthalate			Di-n-octyl phthalate			
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:							1,000	---	---	660,000	---	---	---	---	---	82,000	---	---	8,200	---	---	
<i>Eco CC^c:</i>							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
IAAP103941	IAAP103941	691708	92792	06/05/07	0	0.5	0.480	0.48	U	0.480	0.48	U	0.480	0.48	U	0.480	0.48	U	0.480	0.48	U	
IAAP103942	IAAP103942	691705.9	92790.11	06/05/07	0	0.5	0.450	0.45	U	0.450	0.45	U	0.450	0.45	U	0.450	0.45	U	0.450	0.45	U	
IAAP103943	IAAP103943	691703.83	92788.7	06/05/07	0	0.5	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	
IAAP103944	IAAP103944	691708.53	92787.68	06/05/07	0	0.5	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	
IAAP103949	IAAP103949	691656.88	92924.64	05/30/07	0	0.5	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	
IAAP103950	IAAP103950	691649.22	92942.43	05/30/07	0	0.5	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	
IAAP103951	IAAP103951	691637.62	92967.26	05/30/07	0	0.5	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	
IAAP103952	IAAP103952	691865.78	92664.13	06/05/07	0	0.5	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	
IAAP103953	IAAP103953	691871.78	92672.56	06/05/07	0	0.5	0.390	0.39	U	0.390	0.39	U	0.390	0.39	U	0.390	0.39	U	0.390	0.39	U	
IAAP103967	IAAP103967	692063.43	92392.21	05/31/07	0	0.5	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	
IAAP103968	IAAP103968	692078.65	92374.24	05/31/07	0	0.5	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	
IAAP103969	IAAP103969	692016.53	92256.62	05/31/07	0	0.5	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	
IAAP103970	IAAP103970	691999.44	92298.14	05/31/07	0	0.5	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	
IAAP103971	IAAP103971	691986.99	92341.35	05/31/07	0	0.5	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	
IAAP103972	IAAP103972	691952.26	92326.31	05/31/07	0	0.5	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	
IAAP103973	IAAP103973	691921.12	92305.41	05/31/07	0	0.5	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	
IAAP103974	IAAP103974	691897.41	92378.59	05/31/07	0	0.5	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	
IAAP103975	IAAP103975	691944.38	92098.79	05/31/07	0	0.5	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	
IAAP103976	IAAP103976	691822.5	92425.05	05/31/07	0	0.5	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	
IAAP103977	IAAP103977	691812.21	92455.45	05/31/07	0	0.5	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	
IAAP103978	IAAP103978	691885.27	92272.64	05/31/07	0	0.5	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	
IAAP103979	IAAP103979	691850.87	92305.71	05/31/07	0	0.5	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	
IAAP103980	IAAP103980	691950.01	92383.95	05/31/07	0	0.5	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	
IAAP103981	IAAP103981	691938.67	92369.23	05/31/07	0	0.5	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	
IAAP103982	IAAP103982	691854.52	92524.36	05/31/07	0	0.5	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	
IAAP103983	IAAP103983	691816.94	92510.02	05/31/07	0	0.5	1.000	1	U	1.000	1	U	1.000	1	U	1.000	1	U	1.000	1	U	
IAAP103984	IAAP103984	691862.73	92475.37	05/31/07	0	0.5	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	
IAAP136603	IAAP100047	691990.48	93027.37	03/23/07	0	0.5	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	
IAAP96931	IAAP96931	691967.16	93373.53	11/15/06	0	0.5	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	
IAAP96932	IAAP96932	691951.14	93368.38	11/15/06	0	0.5	0.460	0.46	U	0.460	0.46	U	0.460	0.46	U	0.460	0.46	U	0.460	0.46	U	
IAAP96934	IAAP96934	COMPOSITE	COMPOSITE	11/15/06	0	0.5	0.380	0.38	U	0.380	0.38	U	0.380	0.38	U	0.380	0.38	U	0.380	0.38	U	
IAAP96935	IAAP96935	691894.02	93328.08	11/15/06	0	0.5	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	
IAAP96936	IAAP96936	COMPOSITE	COMPOSITE	11/15/06	0	0.5	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	
IAAP96937	IAAP96937	COMPOSITE	COMPOSITE	11/13/06	0	0.5	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	
IAAP96938	IAAP96938	691840.29	93270.4	11/13/06	0	0.5	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	
IAAP96939	IAAP96939	691831.83	93298.23	11/13/06	0	0.5	0.360	0.36	U	0.360	0.36	U	0.360	0.36	U	0.360	0.36	U	0.360	0.36	U	

Table B-1-3. FUSRAP Post-Excavation Soil Characterization Data Remaining for Semivolatile Organic Compounds at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	Dibenzofuran			Diethyl phthalate			Dimethyl phthalate			Di-n-butyl phthalate			Di-n-octyl phthalate			
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:							1,000	---	---	660,000	---	---	---	---	---	82,000	---	---	8,200	---	---	
<i>Eco CC^c:</i>							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
IAAP96940	IAAP96940	691832.3	93342.32	11/13/06	0	0.5	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	
IAAP96941	IAAP96941	691814.66	93317.23	11/13/06	0	0.5	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	
IAAP96942	IAAP96942	691838.97	93244.84	11/13/06	0	0.5	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	
IAAP96952	IAAP96952	692127.71	93042.61	11/15/06	0	0.5	0.340	0.34	UJ	0.340	0.34	UJ	0.340	0.34	UJ	0.340	0.34	UJ	0.340	0.34	UJ	
IAAP96953	IAAP96953	692116.38	93011.84	11/15/06	0	0.5	0.400	0.4	UJ	0.400	0.4	UJ	0.400	0.4	UJ	0.400	0.4	UJ	0.400	0.4	UJ	
IAAP96955	IAAP96955	692175.68	92981.55	11/15/06	0	0.5	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	
IAAP96957	IAAP96957	692056.98	93146.93	11/15/06	0	0.5	0.450	0.45	U	0.450	0.45	U	0.450	0.45	U	0.450	0.45	U	0.450	0.45	U	
IAAP96958	IAAP96958	692074.54	93130.61	11/15/06	0	0.5	0.470	0.47	U	0.470	0.47	U	0.470	0.47	U	0.470	0.47	U	0.470	0.47	U	
IAAP96959	IAAP96959	COMPOSITE	COMPOSITE	11/14/06	0	0.5	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	
IAAP96960	IAAP96960	692088.53	93112.41	11/15/06	0	0.5	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	
IAAP96961	IAAP96961	COMPOSITE	COMPOSITE	11/13/06	0	0.5	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	
IAAP96962	IAAP96962	COMPOSITE	COMPOSITE	11/13/06	0	0.5	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	
IAAP96963	IAAP96963	COMPOSITE	COMPOSITE	11/13/06	0	0.5	0.380	0.38	U	0.380	0.38	U	0.380	0.38	U	0.380	0.38	U	0.380	0.38	U	
IAAP96964	IAAP96964	691985.83	93063.1	11/13/06	0	0.5	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	
IAAP96966	IAAP96966	691954.93	93007.81	11/13/06	0	0.5	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	
IAAP96968	IAAP96968	691938.96	93067.14	11/13/06	0	0.5	0.350	0.35	U	0.350	0.35	U	0.350	0.35	U	0.350	0.35	U	0.350	0.35	U	
IAAP96969	IAAP96969	691938.96	93067.14	11/13/06	1	2	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	
IAAP96970	IAAP96970	691909.48	93056.65	11/13/06	0	0.5	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	
IAAP96976	IAAP96976	COMPOSITE	COMPOSITE	11/14/06	0	0.5	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.420	0.44	=	0.440	0.44	U	
IAAP96977	IAAP96977	COMPOSITE	COMPOSITE	11/14/06	0	0.5	0.490	0.49	U	0.490	0.49	U	0.490	0.49	U	0.088	0.49	=	0.490	0.49	U	
IAAP96979	IAAP96979	691795.01	93119.57	11/14/06	0	0.5	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	
IAAP96980	IAAP96980	691808.87	93106.84	11/14/06	0	0.5	0.360	0.36	U	0.360	0.36	U	0.360	0.36	U	0.360	0.36	U	0.360	0.36	U	
IAAP96987	IAAP96987	691941.32	92118.25	11/14/06	0	0.5	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	
IAAP96988	IAAP96988	691954.34	92114.71	11/14/06	0	0.5	0.350	0.35	U	0.350	0.35	U	0.350	0.35	U	0.350	0.35	U	0.350	0.35	U	
IAAP96989	IAAP96989	691876.63	92299.46	11/14/06	0	0.5	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	
IAAP96990	IAAP96990	691858.09	92325.86	11/14/06	0	0.5	0.670	0.45	=	0.450	0.45	U	0.450	0.45	U	0.450	0.45	U	0.450	0.45	U	
IAAP96992	IAAP96992	COMPOSITE	COMPOSITE	11/14/06	0	0.5	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	
IAAP96994	IAAP96994	691857.33	92413.74	11/14/06	0	0.5	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	
IAAP96995	IAAP96995	691870.98	92410.67	11/14/06	0	0.5	0.390	0.39	U	0.390	0.39	U	0.390	0.39	U	0.390	0.39	U	0.390	0.39	U	
IAAP96996	IAAP96996	COMPOSITE	COMPOSITE	11/14/06	0	0.5	0.220	0.42	=	0.420	0.42	U	0.420	0.42	U	0.090	0.42	=	0.420	0.42	U	
IAAP96997	IAAP96997	691844.39	92407.27	11/14/06	0	0.5	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	
IAAP96998	IAAP96998	691728	93303	11/14/06	0	0.5	0.360	0.36	U	0.360	0.36	U	0.360	0.36	U	0.360	0.36	U	0.360	0.36	U	
IAAP97000	IAAP97000	691786.4	93115.72	11/14/06	0	0.5	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	
IAAP97001	IAAP97001	691872	93010	12/18/06	0	0.5	0.360	0.36	U	0.360	0.36	U	0.360	0.36	U	0.360	0.36	U	0.360	0.36	U	
IAAP97002	IAAP97002	691884	93003	12/18/06	0	0.5	0.350	0.35	U	0.350	0.35	U	0.350	0.35	U	0.350	0.35	U	0.350	0.35	U	
IAAP97003	IAAP97003	691888	92995	12/18/06	0	0.5	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	

Table B-1-3. FUSRAP Post-Excavation Soil Characterization Data Remaining for Semivolatile Organic Compounds at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	Dibenzofuran			Diethyl phthalate			Dimethyl phthalate			Di-n-butyl phthalate			Di-n-octyl phthalate			
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:							1,000	---	---	660,000	---	---	---	---	---	82,000	---	---	8,200	---	---	
<i>Eco CC^c:</i>							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
IAAP97010	IAAP97010	691891	92892	12/19/06	0	0.5	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	
IAAP97011	IAAP97011	691900	92879	12/19/06	0	0.5	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	
IAAP97012	IAAP97012	691889	92913	12/19/06	0	0.5	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	
IAAP97013	IAAP97013	691813	92905	12/18/06	0	0.5	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	
IAAP97015	IAAP97015	691688	92824	12/18/06	0	0.5	0.350	0.35	U	0.350	0.35	U	0.350	0.35	U	0.350	0.35	U	0.350	0.35	U	
IAAP97019	IAAP97019	691689	92747	12/18/06	0	0.5	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	
IAAP97020	IAAP97020	691695	92744	12/18/06	0	0.5	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	
IAAP97021	IAAP97021	691719	92718	12/18/06	0	0.5	0.450	0.45	U	0.450	0.45	U	0.450	0.45	U	0.450	0.45	U	0.450	0.45	U	
IAAP97024	IAAP97024	691745	92709	12/18/06	0	0.5	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	
IAAP97025	IAAP97025	691718	92783	12/18/06	0	0.5	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	
IAAP97027	IAAP97027	691942	92676	12/19/06	0	0.5	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	
IAAP97035	IAAP97035	691972	92575	12/19/06	0	0.5	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	
IAAP97036	IAAP97036	692052.2	92417.45	12/19/06	0	0.5	0.360	0.36	U	0.360	0.36	U	0.360	0.36	U	0.360	0.36	U	0.360	0.36	U	
IAAP97037	IAAP97037	692060	92421.6	12/19/06	0	0.5	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	
IAAP97038	IAAP97038	692004	92424	12/19/06	0	0.5	0.450	0.45	U	0.450	0.45	U	0.450	0.45	U	0.450	0.45	U	0.450	0.45	U	
IAAP97043	IAAP97043	692015	92390	12/19/06	0	0.5	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	
IAAP97044	IAAP97044	692035	92385	12/19/06	0	0.5	0.460	0.46	U	0.460	0.46	U	0.460	0.46	U	0.270	0.46	=	0.460	0.46	U	
IAAP97045	IAAP97045	692065	92323	12/19/06	0	0.5	0.390	0.39	U	0.390	0.39	U	0.390	0.39	U	0.390	0.39	U	0.390	0.39	U	
IAAP97046	IAAP97046	692051	92339	12/19/06	0	0.5	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	
IAAP97047	IAAP97047	692057.8	92401	12/19/06	0	0.5	0.350	0.35	U	0.350	0.35	U	0.350	0.35	U	0.070	0.35	=	0.350	0.35	U	
IAAP98247	IAAP98247	691977	92312	12/19/06	0	0.5	0.460	0.46	U	0.460	0.46	U	0.460	0.46	U	0.460	0.46	U	0.460	0.46	U	
IAAP98248	IAAP98248	691976.1	92379.2	12/19/06	0	0.5	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	
IAAP98249	IAAP98249	691962	92426.6	12/19/06	0	0.5	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	
IAAP98260	IAAP98260	691719	92537	12/18/06	0	0.5	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	
IAAP98261	IAAP98261	691626	92692	12/18/06	0	0.5	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	
IAAP98262	IAAP98262	691633	92751	12/18/06	0	0.5	0.450	0.45	U	0.450	0.45	U	0.450	0.45	U	0.450	0.45	U	0.450	0.45	U	
IAAP98263	IAAP98263	691582	92869	12/18/06	0	0.5	1.300	1.3	U	1.300	1.3	U	1.300	1.3	U	1.300	1.3	U	1.300	1.3	U	
IAAP98264	IAAP98264	691518	93097	12/18/06	0	0.5	0.540	0.54	U	0.540	0.54	U	0.540	0.54	U	0.540	0.54	U	0.540	0.54	U	
IAAP98266	IAAP98266	691878	92578	12/18/06	0	0.5	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	
IAAP98274	IAAP98274	691733.32	93424.71	12/20/06	0	0.5	0.370	0.37	UJ	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	
IAAP99926	IAAP99926	691883.9	92993.3	04/15/07	0	0.5	0.037	0.037	U	0.037	0.037	U	0.037	0.037	U	0.037	0.037	U	0.016	0.016	U	
IAAP99944	IAAP99944	691972.36	92388.37	04/16/07	0	0.5	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	
IAAP99945	IAAP99945	691960.61	92352.76	04/16/07	0	0.5	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.045	0.41	=	0.410	0.41	U	
IAAP99946	IAAP99946	691934.21	92423.44	04/16/07	0	0.5	0.480	0.48	U	0.480	0.48	U	0.480	0.48	U	0.480	0.48	U	0.480	0.48	U	
IAAP99947	IAAP99947	691975.93	92282.92	04/16/07	0	0.5	0.380	0.38	U	0.380	0.38	U	0.380	0.38	U	0.380	0.38	U	0.380	0.38	U	
IAAP99948	IAAP99948	691980.56	92235.25	04/16/07	0	0.5	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	

Table B-1-3. FUSRAP Post-Excavation Soil Characterization Data Remaining for Semivolatile Organic Compounds at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	Dibenzofuran			Diethyl phthalate			Dimethyl phthalate			Di-n-butyl phthalate			Di-n-octyl phthalate			
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:							1,000	---	---	660,000	---	---	---	---	---	82,000	---	---	8,200	---	---	
<i>Eco CC^c:</i>							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
IAAP99949	IAAP99949	691884.19	92483.11	04/16/07	0	0.5	0.470	0.47	U	0.470	0.47	U	0.470	0.47	U	0.470	0.47	U	0.470	0.47	U	
IAAP99950	IAAP99950	691854.98	92504.08	04/16/07	0	0.5	0.670	0.67	U	0.670	0.67	U	0.670	0.67	U	0.670	0.67	U	0.670	0.67	U	
IAAP99951	IAAP99951	691887.23	92383.87	04/16/07	0	0.5	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	
IAAP99952	IAAP99952	691893.47	92351.89	04/16/07	0	0.5	0.062	0.42	=	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	
IAAP99953	IAAP99953	691815.83	92443.83	04/16/07	0	0.5	0.500	0.5	U	0.500	0.5	U	0.500	0.5	U	0.500	0.5	U	0.500	0.5	U	
IAAP99954	IAAP99954	691827.15	92460.05	04/16/07	0	0.5	0.042	0.042	U	0.042	0.042	U	0.042	0.042	U	0.042	0.042	U	0.018	0.018	U	
IAAP99955	IAAP99955	691872.9	92318.95	04/16/07	0	0.5	0.039	0.039	U	0.039	0.039	U	0.039	0.039	U	0.039	0.039	U	0.017	0.017	U	
IAAP99956	IAAP99956	691871.07	92238.22	04/16/07	0	0.5	0.051	0.051	U	0.051	0.051	U	0.051	0.051	U	0.051	0.051	U	0.023	0.023	U	
IAAP99957	IAAP99957	691898.56	92243.32	04/16/07	0	0.5	0.048	0.048	U	0.048	0.048	U	0.048	0.048	U	0.048	0.048	U	0.021	0.021	U	
IAAP99958	IAAP99958	691936.17	92258.58	04/16/07	0	0.5	0.051	0.051	U	0.051	0.051	U	0.051	0.051	U	0.051	0.051	U	0.022	0.022	U	
Maximum Reported Concentration (Detects and Non-Detects):							1.300	---	U	1.300	---	U	1.300	---	U	1.300	---	U	1.300	---	U	
Maximum Detected Concentration:							1.200	---	=	NA	---	---	NA	---	---	0.420	---	=	NA	---	---	
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0):							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection):							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Number of Sample Results Greater than USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0):							0	---	---	0	---	---	---	---	---	0	---	---	0	---	---	
Number of Sample Results Greater than Ecological Critical Concentration:							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	

^a Gray-shaded concentrations exceed the corresponding IAAAP OU-1 ROD RGs protective of an industrial worker ingesting soil (Harza 1998).

^b Concentrations in **bold** exceed the corresponding RSLs (USEPA 2018a) protective of an industrial worker exposed to soil via ingestion, dermal contact, and dust inhalation.

^c Concentrations in *italics* exceed the corresponding Eco CCs calculated for the WBPS.

Notes:

"---" Indicates that there is no comparison value available.

All results and comparison values are in mg/kg.

NA - Maximum detected result is not available because all results reported for the parameter are non-detect.

VQ symbols indicate: "=" positive identification, positive quantitation, no reason to estimate,

"U" non-detect, no reason to estimate, "J" positive identification, estimated quantitation, "UJ" analyte was not detected and had QC deficiencies.

Table B-1-3. FUSRAP Post-Excavation Soil Characterization Data Remaining for Semivolatile Organic Compounds at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	Fluoranthene			Fluorene			Hexachlorobenzene			Hexachlorobutadiene			Hexachlorocyclopentadiene			
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:							30,000	---	---	30,000	---	---	96	---	---	530	---	---	7.5	---	---	
<i>Eco CC^c:</i>							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
IAAP100014	IAAP100014	691782.68	93186	03/29/07	0	0.5	0.600	0.38	J	0.043	0.38	J	0.380	0.38	U	0.380	0.38	U	1.800	1.8	UJ	
IAAP100015	IAAP100015	691786.76	93173.01	03/29/07	0	0.5	0.240	0.43	J	0.430	0.43	UJ	0.430	0.43	U	0.430	0.43	U	2.100	2.1	UJ	
IAAP100017	IAAP100017	691788.4	93108.61	03/29/07	0	0.5	0.360	0.36	UJ	0.360	0.36	UJ	0.360	0.36	U	0.360	0.36	U	1.700	1.7	UJ	
IAAP100018	IAAP100018	691799.22	93143.77	03/29/07	0	0.5	0.070	0.39	J	0.390	0.39	UJ	0.390	0.39	U	0.390	0.39	U	1.900	1.9	UJ	
IAAP100036	IAAP103993	691949.6	92924.92	06/05/07	1	2	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	2.000	2	U	
IAAP100046	IAAP100046	691996.61	93031.05	03/23/07	0	0.5	0.078	0.43	J	0.430	0.43	UJ	0.430	0.43	U	0.430	0.43	U	2.100	2.1	UJ	
IAAP100048	IAAP100048	691996.18	93025.73	03/23/07	0	0.5	0.130	0.43	J	0.430	0.43	UJ	0.430	0.43	U	0.430	0.43	U	2.100	2.1	UJ	
IAAP100049	IAAP100049	692061.44	93004.97	03/23/07	0	0.5	0.410	0.41	UJ	0.410	0.41	UJ	0.410	0.41	U	0.410	0.41	U	2.000	2	UJ	
IAAP100050	IAAP100050	692056.39	92980.91	03/23/07	0	0.5	0.280	0.41	J	0.410	0.41	UJ	0.410	0.41	U	0.410	0.41	U	2.000	2	UJ	
IAAP100098	IAAP100098	692028.71	92529.77	04/15/07	0	0.5	0.044	0.044	U	0.044	0.044	U	0.044	0.044	U	0.044	0.044	U	0.440	0.44	U	
IAAP100099	IAAP100099	692024.8	92529.01	04/15/07	0	0.5	0.046	0.046	U	0.046	0.046	U	0.046	0.046	U	0.046	0.046	U	0.450	0.45	U	
IAAP100103	IAAP100103	691732.21	92673.65	04/16/07	0	0.5	0.070	0.043	=	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U	0.430	0.43	U	
IAAP100104	IAAP100104	691734.09	92661.56	04/16/07	0	0.5	0.098	0.043	=	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U	0.430	0.43	U	
IAAP100105	IAAP100105	691740.39	92663.06	04/16/07	0	0.5	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U	0.430	0.43	U	
IAAP100106	IAAP100106	692077.92	92392.37	04/16/07	0	0.5	0.050	0.035	=	0.035	0.035	U	0.035	0.035	U	0.035	0.035	U	0.350	0.35	U	
IAAP100107	IAAP100107	692073.96	92394.18	04/16/07	0	0.5	0.036	0.036	U	0.036	0.036	U	0.036	0.036	U	0.036	0.036	U	0.360	0.36	U	
IAAP100108	IAAP100108	692069.83	92386.12	04/16/07	0	0.5	0.940	0.056	=	0.056	0.056	U	0.056	0.056	U	0.056	0.056	U	0.550	0.55	U	
IAAP100117	IAAP100117	691657.49	92890.56	04/03/07	0	0.5	2.200	0.042	J	0.160	0.042	=	0.042	0.042	U	0.042	0.042	U	0.420	0.42	U	
IAAP100119	IAAP100119	691886.46	92908.5	04/16/07	0	0.5	0.480	0.043	=	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U	0.430	0.43	U	
IAAP100120	IAAP100120	691892.27	92915.15	04/16/07	0	0.5	6.400	0.044	=	0.340	0.044	=	0.044	0.044	U	0.044	0.044	U	0.430	0.43	U	
IAAP100121	IAAP100121	691883.8	92915.71	04/16/07	0	0.5	0.140	0.045	=	0.045	0.045	U	0.045	0.045	U	0.045	0.045	U	0.440	0.44	U	
IAAP100123	IAAP100123	691874.49	93011.94	04/15/07	0	0.5	1.200	0.037	=	0.037	0.037	U	0.037	0.037	U	0.037	0.037	U	0.370	0.37	U	
IAAP100125	IAAP100125	691890.75	92991.72	04/11/07	0	0.5	0.980	0.043	=	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U	0.430	0.43	U	
IAAP103908	IAAP103908	691778.4	93191.87	05/29/07	0	0.5	1.100	0.38	=	0.380	0.38	U	0.380	0.38	U	0.380	0.38	U	1.900	1.9	U	
IAAP103910	IAAP103910	691938.61	93076.7	05/29/07	0	0.5	0.160	0.34	=	0.340	0.34	U	0.340	0.34	U	0.340	0.34	U	1.700	1.7	U	
IAAP103911	IAAP103911	691932.25	93063.5	05/29/07	0	0.5	0.085	0.37	=	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	1.800	1.8	U	
IAAP103911	IAAP103991	691932.25	93063.5	06/05/07	1	2	0.390	0.39	U	0.390	0.39	U	0.390	0.39	U	0.390	0.39	U	1.900	1.9	U	
IAAP103914	IAAP103914	691947.43	93012.67	05/29/07	0	0.5	0.310	0.42	=	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	2.000	2	U	
IAAP103916	IAAP103916	691983.74	93024.23	05/29/07	0	0.5	0.440	0.37	=	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	1.800	1.8	U	
IAAP103917	IAAP103917	691993.16	93019.08	05/29/07	0	0.5	0.053	0.4	=	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	1.900	1.9	U	
IAAP103918	IAAP103918	691995.13	93038.88	05/29/07	0	0.5	0.110	0.44	=	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	2.100	2.1	U	
IAAP103923	IAAP103923	691890.59	93003.72	05/30/07	0	0.5	0.430	0.36	=	0.360	0.36	U	0.360	0.36	U	0.360	0.36	U	1.700	1.7	U	
IAAP103924	IAAP103924	691875.87	92999.03	05/30/07	0	0.5	0.710	0.34	=	0.340	0.34	U	0.340	0.34	U	0.340	0.34	U	1.700	1.7	U	
IAAP103927	IAAP103927	691895.22	92989.4	05/30/07	0	0.5	0.300	0.38	J	0.380	0.38	U	0.380	0.38	U	0.380	0.38	U	1.800	1.8	U	
IAAP103930	IAAP103930	691900.09	92911.11	05/30/07	0	0.5	2.500	0.42	=	0.140	0.42	J	0.420	0.42	U	0.420	0.42	U	2.100	2.1	U	
IAAP103931	IAAP103931	691897.02	92918.97	05/30/07	0	0.5	0.330	0.43	J	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	2.100	2.1	U	

Table B-1-3. FUSRAP Post-Excavation Soil Characterization Data Remaining for Semivolatile Organic Compounds at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	Fluoranthene			Fluorene			Hexachlorobenzene			Hexachlorobutadiene			Hexachlorocyclopentadiene			
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:							30,000	---	---	30,000	---	---	96	---	---	530	---	---	7.5	---	---	
<i>Eco CC^c:</i>							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
IAAP103941	IAAP103941	691708	92792	06/05/07	0	0.5	0.120	0.48	=	0.480	0.48	U	0.480	0.48	U	0.480	0.48	U	2.300	2.3	U	
IAAP103942	IAAP103942	691705.9	92790.11	06/05/07	0	0.5	0.089	0.45	=	0.450	0.45	U	0.450	0.45	U	0.450	0.45	U	2.200	2.2	U	
IAAP103943	IAAP103943	691703.83	92788.7	06/05/07	0	0.5	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	2.000	2	U	
IAAP103944	IAAP103944	691708.53	92787.68	06/05/07	0	0.5	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	2.100	2.1	U	
IAAP103949	IAAP103949	691656.88	92924.64	05/30/07	0	0.5	0.990	0.41	=	0.044	0.41	J	0.410	0.41	U	0.410	0.41	U	2.000	2	U	
IAAP103950	IAAP103950	691649.22	92942.43	05/30/07	0	0.5	0.460	0.37	=	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	1.800	1.8	U	
IAAP103951	IAAP103951	691637.62	92967.26	05/30/07	0	0.5	0.140	0.41	J	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	2.000	2	U	
IAAP103952	IAAP103952	691865.78	92664.13	06/05/07	0	0.5	0.240	0.44	J	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	2.100	2.1	U	
IAAP103953	IAAP103953	691871.78	92672.56	06/05/07	0	0.5	0.170	0.39	J	0.390	0.39	U	0.390	0.39	U	0.390	0.39	U	1.900	1.9	U	
IAAP103967	IAAP103967	692063.43	92392.21	05/31/07	0	0.5	0.074	0.41	=	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	2.000	2	UJ	
IAAP103968	IAAP103968	692078.65	92374.24	05/31/07	0	0.5	0.130	0.42	=	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	2.000	2	UJ	
IAAP103969	IAAP103969	692016.53	92256.62	05/31/07	0	0.5	0.150	0.44	=	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	2.200	2.2	UJ	
IAAP103970	IAAP103970	691999.44	92298.14	05/31/07	0	0.5	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	2.200	2.2	UJ	
IAAP103971	IAAP103971	691986.99	92341.35	05/31/07	0	0.5	0.170	0.42	=	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	2.000	2	UJ	
IAAP103972	IAAP103972	691952.26	92326.31	05/31/07	0	0.5	0.250	0.41	=	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	2.000	2	UJ	
IAAP103973	IAAP103973	691921.12	92305.41	05/31/07	0	0.5	0.046	0.44	=	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	2.100	2.1	UJ	
IAAP103974	IAAP103974	691897.41	92378.59	05/31/07	0	0.5	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	2.000	2	UJ	
IAAP103975	IAAP103975	691944.38	92098.79	05/31/07	0	0.5	0.046	0.43	=	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	2.100	2.1	UJ	
IAAP103976	IAAP103976	691822.5	92425.05	05/31/07	0	0.5	0.390	0.43	=	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	2.100	2.1	UJ	
IAAP103977	IAAP103977	691812.21	92455.45	05/31/07	0	0.5	0.370	0.43	=	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	2.100	2.1	UJ	
IAAP103978	IAAP103978	691885.27	92272.64	05/31/07	0	0.5	0.120	0.43	=	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	2.100	2.1	UJ	
IAAP103979	IAAP103979	691850.87	92305.71	05/31/07	0	0.5	0.710	0.4	=	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	2.000	2	UJ	
IAAP103980	IAAP103980	691950.01	92383.95	05/31/07	0	0.5	1.400	0.44	=	0.071	0.44	=	0.440	0.44	U	0.440	0.44	U	2.100	2.1	UJ	
IAAP103981	IAAP103981	691938.67	92369.23	05/31/07	0	0.5	0.100	0.44	=	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	2.100	2.1	UJ	
IAAP103982	IAAP103982	691854.52	92524.36	05/31/07	0	0.5	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	2.000	2	UJ	
IAAP103983	IAAP103983	691816.94	92510.02	05/31/07	0	0.5	1.000	1	U	1.000	1	U	1.000	1	U	1.000	1	U	5.000	5	UJ	
IAAP103984	IAAP103984	691862.73	92475.37	05/31/07	0	0.5	0.360	0.43	=	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	2.100	2.1	UJ	
IAAP136603	IAAP100047	691990.48	93027.37	03/23/07	0	0.5	1.700	0.4	J	0.400	0.4	UJ	0.400	0.4	U	0.400	0.4	U	1.900	1.9	UJ	
IAAP96931	IAAP96931	691967.16	93373.53	11/15/06	0	0.5	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	2.000	2	U	
IAAP96932	IAAP96932	691951.14	93368.38	11/15/06	0	0.5	0.460	0.46	U	0.460	0.46	U	0.460	0.46	U	0.460	0.46	U	2.200	2.2	U	
IAAP96934	IAAP96934	COMPOSITE	COMPOSITE	11/15/06	0	0.5	0.051	0.38	=	0.380	0.38	U	0.380	0.38	U	0.380	0.38	U	1.800	1.8	U	
IAAP96935	IAAP96935	691894.02	93328.08	11/15/06	0	0.5	0.910	0.37	=	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	1.800	1.8	U	
IAAP96936	IAAP96936	COMPOSITE	COMPOSITE	11/15/06	0	0.5	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	2.100	2.1	U	
IAAP96937	IAAP96937	COMPOSITE	COMPOSITE	11/13/06	0	0.5	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	1.800	1.8	UJ	
IAAP96938	IAAP96938	691840.29	93270.4	11/13/06	0	0.5	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	2.100	2.1	UJ	
IAAP96939	IAAP96939	691831.83	93298.23	11/13/06	0	0.5	0.360	0.36	U	0.360	0.36	U	0.360	0.36	U	0.360	0.36	U	1.800	1.8	UJ	

Table B-1-3. FUSRAP Post-Excavation Soil Characterization Data Remaining for Semivolatile Organic Compounds at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	Fluoranthene			Fluorene			Hexachlorobenzene			Hexachlorobutadiene			Hexachlorocyclopentadiene			
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:							30,000	---	---	30,000	---	---	96	---	---	530	---	---	7.5	---	---	
<i>Eco CC^c:</i>							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
IAAP96940	IAAP96940	691832.3	93342.32	11/13/06	0	0.5	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	1.800	1.8	UJ	
IAAP96941	IAAP96941	691814.66	93317.23	11/13/06	0	0.5	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	2.000	2	UJ	
IAAP96942	IAAP96942	691838.97	93244.84	11/13/06	0	0.5	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	2.000	2	UJ	
IAAP96952	IAAP96952	692127.71	93042.61	11/15/06	0	0.5	0.087	0.34	J	0.340	0.34	UJ	0.340	0.34	UJ	0.340	0.34	UJ	1.700	1.7	UJ	
IAAP96953	IAAP96953	692116.38	93011.84	11/15/06	0	0.5	0.400	0.4	UJ	0.400	0.4	UJ	0.400	0.4	UJ	0.400	0.4	UJ	1.900	1.9	UJ	
IAAP96955	IAAP96955	692175.68	92981.55	11/15/06	0	0.5	0.350	0.42	=	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	2.000	2	U	
IAAP96957	IAAP96957	692056.98	93146.93	11/15/06	0	0.5	0.100	0.45	=	0.450	0.45	U	0.450	0.45	U	0.450	0.45	U	2.200	2.2	U	
IAAP96958	IAAP96958	692074.54	93130.61	11/15/06	0	0.5	0.470	0.47	U	0.470	0.47	U	0.470	0.47	U	0.470	0.47	U	2.300	2.3	U	
IAAP96959	IAAP96959	COMPOSITE	COMPOSITE	11/14/06	0	0.5	0.250	0.4	=	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	1.900	1.9	UJ	
IAAP96960	IAAP96960	692088.53	93112.41	11/15/06	0	0.5	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	2.000	2	U	
IAAP96961	IAAP96961	COMPOSITE	COMPOSITE	11/13/06	0	0.5	0.170	0.41	=	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	2.000	2	U	
IAAP96962	IAAP96962	COMPOSITE	COMPOSITE	11/13/06	0	0.5	0.370	0.4	=	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	2.000	2	UJ	
IAAP96963	IAAP96963	COMPOSITE	COMPOSITE	11/13/06	0	0.5	0.380	0.38	U	0.380	0.38	U	0.380	0.38	U	0.380	0.38	U	1.900	1.9	UJ	
IAAP96964	IAAP96964	691985.83	93063.1	11/13/06	0	0.5	0.250	0.41	=	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	2.000	2	UJ	
IAAP96966	IAAP96966	691954.93	93007.81	11/13/06	0	0.5	0.068	0.42	=	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	2.000	2	UJ	
IAAP96968	IAAP96968	691938.96	93067.14	11/13/06	0	0.5	0.038	0.35	=	0.350	0.35	U	0.350	0.35	U	0.350	0.35	U	1.700	1.7	UJ	
IAAP96969	IAAP96969	691938.96	93067.14	11/13/06	1	2	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	2.000	2	UJ	
IAAP96970	IAAP96970	691909.48	93056.65	11/13/06	0	0.5	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	2.100	2.1	UJ	
IAAP96976	IAAP96976	COMPOSITE	COMPOSITE	11/14/06	0	0.5	0.460	0.44	=	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	2.100	2.1	UJ	
IAAP96977	IAAP96977	COMPOSITE	COMPOSITE	11/14/06	0	0.5	0.420	0.49	=	0.490	0.49	U	0.490	0.49	U	0.490	0.49	U	2.400	2.4	UJ	
IAAP96979	IAAP96979	691795.01	93119.57	11/14/06	0	0.5	0.240	0.42	=	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	2.000	2	UJ	
IAAP96980	IAAP96980	691808.87	93106.84	11/14/06	0	0.5	0.160	0.36	=	0.360	0.36	U	0.360	0.36	U	0.360	0.36	U	1.700	1.7	UJ	
IAAP96987	IAAP96987	691941.32	92118.25	11/14/06	0	0.5	1.600	0.43	=	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	2.100	2.1	UJ	
IAAP96988	IAAP96988	691954.34	92114.71	11/14/06	0	0.5	0.350	0.35	U	0.350	0.35	U	0.350	0.35	U	0.350	0.35	U	1.700	1.7	UJ	
IAAP96989	IAAP96989	691876.63	92299.46	11/14/06	0	0.5	0.510	0.4	=	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	2.000	2	UJ	
IAAP96990	IAAP96990	691858.09	92325.86	11/14/06	0	0.5	44.000	9.1	=	1.800	0.45	=	0.450	0.45	U	0.450	0.45	U	2.200	2.2	U	
IAAP96992	IAAP96992	COMPOSITE	COMPOSITE	11/14/06	0	0.5	0.710	0.37	=	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	1.800	1.8	U	
IAAP96994	IAAP96994	691857.33	92413.74	11/14/06	0	0.5	0.220	0.37	=	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	1.800	1.8	UJ	
IAAP96995	IAAP96995	691870.98	92410.67	11/14/06	0	0.5	0.065	0.39	=	0.390	0.39	U	0.390	0.39	U	0.390	0.39	U	1.900	1.9	UJ	
IAAP96996	IAAP96996	COMPOSITE	COMPOSITE	11/14/06	0	0.5	14.000	4.2	=	0.580	0.42	=	0.420	0.42	U	0.420	0.42	U	2.000	2	UJ	
IAAP96997	IAAP96997	691844.39	92407.27	11/14/06	0	0.5	2.000	0.37	=	0.075	0.37	=	0.370	0.37	U	0.370	0.37	U	1.800	1.8	UJ	
IAAP96998	IAAP96998	691728	93303	11/14/06	0	0.5	0.360	0.36	U	0.360	0.36	U	0.360	0.36	U	0.360	0.36	U	1.700	1.7	UJ	
IAAP97000	IAAP97000	691786.4	93115.72	11/14/06	0	0.5	0.049	0.44	=	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	2.100	2.1	UJ	
IAAP97001	IAAP97001	691872	93010	12/18/06	0	0.5	0.710	0.36	J	0.360	0.36	U	0.360	0.36	U	0.360	0.36	U	1.800	1.8	UJ	
IAAP97002	IAAP97002	691884	93003	12/18/06	0	0.5	0.290	0.35	J	0.350	0.35	U	0.350	0.35	U	0.350	0.35	U	1.700	1.7	UJ	
IAAP97003	IAAP97003	691888	92995	12/18/06	0	0.5	1.200	0.4	J	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	2.000	2	UJ	

Table B-1-3. FUSRAP Post-Excavation Soil Characterization Data Remaining for Semivolatile Organic Compounds at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	Fluoranthene			Fluorene			Hexachlorobenzene			Hexachlorobutadiene			Hexachlorocyclopentadiene			
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:							30,000	---	---	30,000	---	---	96	---	---	530	---	---	7.5	---	---	
<i>Eco CC^c:</i>							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
IAAP97010	IAAP97010	691891	92892	12/19/06	0	0.5	0.470	0.41	=	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	2.000	2	U	
IAAP97011	IAAP97011	691900	92879	12/19/06	0	0.5	0.460	0.42	=	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	2.100	2.1	U	
IAAP97012	IAAP97012	691889	92913	12/19/06	0	0.5	0.720	0.43	=	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	2.100	2.1	U	
IAAP97013	IAAP97013	691813	92905	12/18/06	0	0.5	0.370	0.37	UJ	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	1.800	1.8	UJ	
IAAP97015	IAAP97015	691688	92824	12/18/06	0	0.5	0.051	0.35	J	0.350	0.35	U	0.350	0.35	U	0.350	0.35	U	1.700	1.7	UJ	
IAAP97019	IAAP97019	691689	92747	12/18/06	0	0.5	0.440	0.44	UJ	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	2.100	2.1	UJ	
IAAP97020	IAAP97020	691695	92744	12/18/06	0	0.5	0.069	0.43	J	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	2.100	2.1	UJ	
IAAP97021	IAAP97021	691719	92718	12/18/06	0	0.5	0.100	0.45	J	0.450	0.45	U	0.450	0.45	U	0.450	0.45	U	2.200	2.2	UJ	
IAAP97024	IAAP97024	691745	92709	12/18/06	0	0.5	0.045	0.44	J	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	2.100	2.1	UJ	
IAAP97025	IAAP97025	691718	92783	12/18/06	0	0.5	0.055	0.44	J	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	2.100	2.1	UJ	
IAAP97027	IAAP97027	691942	92676	12/19/06	0	0.5	0.047	0.43	=	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	2.100	2.1	U	
IAAP97035	IAAP97035	691972	92575	12/19/06	0	0.5	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	2.100	2.1	U	
IAAP97036	IAAP97036	692052.2	92417.45	12/19/06	0	0.5	0.130	0.36	=	0.360	0.36	U	0.360	0.36	U	0.360	0.36	U	1.700	1.7	U	
IAAP97037	IAAP97037	692060	92421.6	12/19/06	0	0.5	0.051	0.37	=	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	1.800	1.8	U	
IAAP97038	IAAP97038	692004	92424	12/19/06	0	0.5	0.050	0.45	=	0.450	0.45	U	0.450	0.45	U	0.450	0.45	U	2.200	2.2	U	
IAAP97043	IAAP97043	692015	92390	12/19/06	0	0.5	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	2.000	2	U	
IAAP97044	IAAP97044	692035	92385	12/19/06	0	0.5	0.190	0.46	=	0.460	0.46	U	0.460	0.46	U	0.460	0.46	U	2.200	2.2	U	
IAAP97045	IAAP97045	692065	92323	12/19/06	0	0.5	0.480	0.39	=	0.390	0.39	U	0.390	0.39	U	0.390	0.39	U	1.900	1.9	U	
IAAP97046	IAAP97046	692051	92339	12/19/06	0	0.5	0.082	0.44	=	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	2.100	2.1	U	
IAAP97047	IAAP97047	692057.8	92401	12/19/06	0	0.5	0.062	0.35	=	0.350	0.35	U	0.350	0.35	U	0.350	0.35	U	1.700	1.7	U	
IAAP98247	IAAP98247	691977	92312	12/19/06	0	0.5	9.100	0.91	=	0.470	0.46	=	0.460	0.46	U	0.460	0.46	U	2.200	2.2	U	
IAAP98248	IAAP98248	691976.1	92379.2	12/19/06	0	0.5	0.070	0.43	=	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	2.100	2.1	U	
IAAP98249	IAAP98249	691962	92426.6	12/19/06	0	0.5	1.700	0.44	=	0.058	0.44	=	0.440	0.44	U	0.440	0.44	U	2.100	2.1	U	
IAAP98260	IAAP98260	691719	92537	12/18/06	0	0.5	0.400	0.4	UJ	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	1.900	1.9	UJ	
IAAP98261	IAAP98261	691626	92692	12/18/06	0	0.5	0.410	0.41	UJ	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	2.000	2	UJ	
IAAP98262	IAAP98262	691633	92751	12/18/06	0	0.5	0.450	0.45	UJ	0.450	0.45	U	0.450	0.45	U	0.450	0.45	U	2.200	2.2	UJ	
IAAP98263	IAAP98263	691582	92869	12/18/06	0	0.5	0.230	1.3	J	1.300	1.3	U	1.300	1.3	U	1.300	1.3	U	6.100	6.1	UJ	
IAAP98264	IAAP98264	691518	93097	12/18/06	0	0.5	0.540	0.54	UJ	0.540	0.54	U	0.540	0.54	U	0.540	0.54	U	2.600	2.6	UJ	
IAAP98266	IAAP98266	691878	92578	12/18/06	0	0.5	0.044	0.42	J	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	2.100	2.1	UJ	
IAAP98274	IAAP98274	691733.32	93424.71	12/20/06	0	0.5	0.071	0.37	UJ	0.370	0.37	UJ	0.370	0.37	U	0.370	0.37	U	1.800	1.8	U	
IAAP99926	IAAP99926	691883.9	92993.3	04/15/07	0	0.5	1.400	0.037	=	0.041	0.037	=	0.037	0.037	U	0.037	0.037	U	0.370	0.37	U	
IAAP99944	IAAP99944	691972.36	92388.37	04/16/07	0	0.5	0.074	0.44	=	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	2.100	2.1	U	
IAAP99945	IAAP99945	691960.61	92352.76	04/16/07	0	0.5	1.500	0.41	=	0.050	0.41	=	0.410	0.41	U	0.410	0.41	U	2.000	2	U	
IAAP99946	IAAP99946	691934.21	92423.44	04/16/07	0	0.5	0.460	0.48	=	0.480	0.48	U	0.480	0.48	U	0.480	0.48	U	2.300	2.3	U	
IAAP99947	IAAP99947	691975.93	92282.92	04/16/07	0	0.5	0.064	0.38	=	0.380	0.38	U	0.380	0.38	U	0.380	0.38	U	1.800	1.8	U	
IAAP99948	IAAP99948	691980.56	92235.25	04/16/07	0	0.5	1.600	0.42	=	0.075	0.42	=	0.420	0.42	U	0.420	0.42	U	2.000	2	U	

Table B-1-3. FUSRAP Post-Excavation Soil Characterization Data Remaining for Semivolatile Organic Compounds at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	Fluoranthene			Fluorene			Hexachlorobenzene			Hexachlorobutadiene			Hexachlorocyclopentadiene			
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:							30,000	---	---	30,000	---	---	96	---	---	530	---	---	7.5	---	---	
<i>Eco CC^c:</i>							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
IAAP99949	IAAP99949	691884.19	92483.11	04/16/07	0	0.5	0.110	0.47	=	0.470	0.47	U	0.470	0.47	U	0.470	0.47	U	2.300	2.3	U	
IAAP99950	IAAP99950	691854.98	92504.08	04/16/07	0	0.5	0.400	0.67	=	0.670	0.67	U	0.670	0.67	U	0.670	0.67	U	3.300	3.3	U	
IAAP99951	IAAP99951	691887.23	92383.87	04/16/07	0	0.5	0.720	0.4	=	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	2.000	2	U	
IAAP99952	IAAP99952	691893.47	92351.89	04/16/07	0	0.5	4.900	0.42	=	0.170	0.42	=	0.420	0.42	U	0.420	0.42	U	2.000	2	U	
IAAP99953	IAAP99953	691815.83	92443.83	04/16/07	0	0.5	0.140	0.5	=	0.500	0.5	U	0.500	0.5	U	0.500	0.5	U	2.400	2.4	U	
IAAP99954	IAAP99954	691827.15	92460.05	04/16/07	0	0.5	0.200	0.042	=	0.042	0.042	U	0.042	0.042	U	0.042	0.042	U	0.410	0.41	U	
IAAP99955	IAAP99955	691872.9	92318.95	04/16/07	0	0.5	0.540	0.039	=	0.039	0.039	U	0.039	0.039	U	0.039	0.039	U	0.380	0.38	U	
IAAP99956	IAAP99956	691871.07	92238.22	04/16/07	0	0.5	0.140	0.051	=	0.051	0.051	U	0.051	0.051	U	0.051	0.051	U	0.500	0.5	U	
IAAP99957	IAAP99957	691898.56	92243.32	04/16/07	0	0.5	0.048	0.048	U	0.048	0.048	U	0.048	0.048	U	0.048	0.048	U	0.480	0.48	U	
IAAP99958	IAAP99958	691936.17	92258.58	04/16/07	0	0.5	0.051	0.051	U	0.051	0.051	U	0.051	0.051	U	0.051	0.051	U	0.500	0.5	U	
Maximum Reported Concentration (Detects and Non-Detects):							44.000	---	=	1.800	---	=	1.300	---	U	1.300	---	U	6.100	---	UJ	
Maximum Detected Concentration:							44.000	---	=	1.900	---	=	NA	---	---	NA	---	---	NA	---	---	
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0):							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection):							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Number of Sample Results Greater than USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0):							0	---	---	0	---	---	0	---	---	0	---	---	0	---	---	
Number of Sample Results Greater than Ecological Critical Concentration:							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	

^a Gray-shaded concentrations exceed the corresponding IAAAP OU-1 ROD RGs protective of an industrial worker ingesting soil (Harza 1998).

^b Concentrations in **bold** exceed the corresponding RSLs (USEPA 2018a) protective of an industrial worker exposed to soil via ingestion, dermal contact, and dust inhalation.

^c Concentrations in *italics* exceed the corresponding Eco CCs calculated for the WBPS.

Notes:

"---" Indicates that there is no comparison value available.

All results and comparison values are in mg/kg.

NA - Maximum detected result is not available because all results reported for the parameter are non-detect.

VQ symbols indicate: "=" positive identification, positive quantitation, no reason to estimate,

"U" non-detect, no reason to estimate, "J" positive identification, estimated quantitation, "UJ" analyte was not detected and had QC deficiencies.

Table B-1-3. FUSRAP Post-Excavation Soil Characterization Data Remaining for Semivolatile Organic Compounds at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	Hexachloroethane			Indeno(1,2,3-cd)pyrene			Isophorone			Naphthalene			Nitrobenzene			
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:							800	---	---	2,100	---	---	240,000	---	---	17	---	---	2,200	---	---	
<i>Eco CC^c:</i>							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
IAAP100014	IAAP100014	691782.68	93186	03/29/07	0	0.5	0.380	0.38	U	0.140	0.38	J	0.380	0.38	U	0.380	0.38	U	0.380	0.38	U	
IAAP100015	IAAP100015	691786.76	93173.01	03/29/07	0	0.5	0.430	0.43	U	0.130	0.43	J	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	
IAAP100017	IAAP100017	691788.4	93108.61	03/29/07	0	0.5	0.360	0.36	U	0.360	0.36	UJ	0.360	0.36	U	0.360	0.36	U	0.360	0.36	U	
IAAP100018	IAAP100018	691799.22	93143.77	03/29/07	0	0.5	0.390	0.39	U	0.053	0.39	J	0.390	0.39	U	0.390	0.39	U	0.390	0.39	U	
IAAP100036	IAAP103993	691949.6	92924.92	06/05/07	1	2	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	
IAAP100046	IAAP100046	691996.61	93031.05	03/23/07	0	0.5	0.430	0.43	U	0.430	0.43	UJ	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	
IAAP100048	IAAP100048	691996.18	93025.73	03/23/07	0	0.5	0.430	0.43	U	0.430	0.43	UJ	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	
IAAP100049	IAAP100049	692061.44	93004.97	03/23/07	0	0.5	0.410	0.41	U	0.410	0.41	UJ	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	
IAAP100050	IAAP100050	692056.39	92980.91	03/23/07	0	0.5	0.410	0.41	U	0.093	0.41	J	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	
IAAP100098	IAAP100098	692028.71	92529.77	04/15/07	0	0.5	0.044	0.044	U	0.044	0.044	U	0.044	0.044	U	0.044	0.044	U	0.044	0.044	U	
IAAP100099	IAAP100099	692024.8	92529.01	04/15/07	0	0.5	0.046	0.046	U	0.046	0.046	U	0.046	0.046	U	0.046	0.046	U	0.046	0.046	U	
IAAP100103	IAAP100103	691732.21	92673.65	04/16/07	0	0.5	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U	
IAAP100104	IAAP100104	691734.09	92661.56	04/16/07	0	0.5	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U	
IAAP100105	IAAP100105	691740.39	92663.06	04/16/07	0	0.5	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U	
IAAP100106	IAAP100106	692077.92	92392.37	04/16/07	0	0.5	0.035	0.035	U	0.035	0.035	U	0.035	0.035	U	0.035	0.035	U	0.035	0.035	U	
IAAP100107	IAAP100107	692073.96	92394.18	04/16/07	0	0.5	0.036	0.036	U	0.036	0.036	U	0.036	0.036	U	0.036	0.036	U	0.036	0.036	U	
IAAP100108	IAAP100108	692069.83	92386.12	04/16/07	0	0.5	0.056	0.056	U	0.230	0.056	=	0.056	0.056	U	0.056	0.056	U	0.056	0.056	U	
IAAP100117	IAAP100117	691657.49	92890.56	04/03/07	0	0.5	0.042	0.042	U	0.480	0.042	=	0.042	0.042	U	0.061	0.042	=	0.042	0.042	U	
IAAP100119	IAAP100119	691886.46	92908.5	04/16/07	0	0.5	0.043	0.043	U	0.140	0.043	=	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U	
IAAP100120	IAAP100120	691892.27	92915.15	04/16/07	0	0.5	0.044	0.044	U	1.000	0.044	=	0.044	0.044	U	0.053	0.044	=	0.044	0.044	U	
IAAP100121	IAAP100121	691883.8	92915.71	04/16/07	0	0.5	0.045	0.045	U	0.047	0.045	=	0.045	0.045	U	0.045	0.045	U	0.045	0.045	U	
IAAP100123	IAAP100123	691874.49	93011.94	04/15/07	0	0.5	0.037	0.037	U	0.360	0.037	=	0.037	0.037	U	0.037	0.037	U	0.037	0.037	U	
IAAP100125	IAAP100125	691890.75	92991.72	04/11/07	0	0.5	0.043	0.043	U	0.240	0.043	=	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U	
IAAP103908	IAAP103908	691778.4	93191.87	05/29/07	0	0.5	0.380	0.38	U	0.380	0.38	=	0.380	0.38	U	0.380	0.38	U	0.380	0.38	U	
IAAP103910	IAAP103910	691938.61	93076.7	05/29/07	0	0.5	0.340	0.34	U	0.091	0.34	=	0.340	0.34	U	0.340	0.34	U	0.340	0.34	U	
IAAP103911	IAAP103911	691932.25	93063.5	05/29/07	0	0.5	0.370	0.37	U	0.052	0.37	=	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	
IAAP103911	IAAP103991	691932.25	93063.5	06/05/07	1	2	0.390	0.39	U	0.390	0.39	U	0.390	0.39	U	0.390	0.39	U	0.390	0.39	U	
IAAP103914	IAAP103914	691947.43	93012.67	05/29/07	0	0.5	0.420	0.42	U	0.083	0.42	=	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	
IAAP103916	IAAP103916	691983.74	93024.23	05/29/07	0	0.5	0.370	0.37	U	0.120	0.37	=	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	
IAAP103917	IAAP103917	691993.16	93019.08	05/29/07	0	0.5	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	
IAAP103918	IAAP103918	691995.13	93038.88	05/29/07	0	0.5	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	
IAAP103923	IAAP103923	691890.59	93003.72	05/30/07	0	0.5	0.360	0.36	U	0.130	0.36	J	0.360	0.36	U	0.360	0.36	U	0.360	0.36	U	
IAAP103924	IAAP103924	691875.87	92999.03	05/30/07	0	0.5	0.340	0.34	U	0.160	0.34	J	0.340	0.34	U	0.340	0.34	U	0.340	0.34	U	
IAAP103927	IAAP103927	691895.22	92989.4	05/30/07	0	0.5	0.380	0.38	U	0.092	0.38	J	0.380	0.38	U	0.380	0.38	U	0.380	0.38	U	
IAAP103930	IAAP103930	691900.09	92911.11	05/30/07	0	0.5	0.420	0.42	U	0.490	0.42	=	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	
IAAP103931	IAAP103931	691897.02	92918.97	05/30/07	0	0.5	0.430	0.43	U	0.085	0.43	J	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	

Table B-1-3. FUSRAP Post-Excavation Soil Characterization Data Remaining for Semivolatile Organic Compounds at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	Hexachloroethane			Indeno(1,2,3-cd)pyrene			Isophorone			Naphthalene			Nitrobenzene			
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:							800	---	---	2,100	---	---	240,000	---	---	17	---	---	2,200	---	---	
<i>Eco CC^c:</i>							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
IAAP103941	IAAP103941	691708	92792	06/05/07	0	0.5	0.480	0.48	U	0.480	0.48	U	0.480	0.48	U	0.480	0.48	U	0.480	0.48	U	
IAAP103942	IAAP103942	691705.9	92790.11	06/05/07	0	0.5	0.450	0.45	U	0.450	0.45	U	0.450	0.45	U	0.450	0.45	U	0.450	0.45	U	
IAAP103943	IAAP103943	691703.83	92788.7	06/05/07	0	0.5	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	
IAAP103944	IAAP103944	691708.53	92787.68	06/05/07	0	0.5	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	
IAAP103949	IAAP103949	691656.88	92924.64	05/30/07	0	0.5	0.410	0.41	U	0.210	0.41	J	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	
IAAP103950	IAAP103950	691649.22	92942.43	05/30/07	0	0.5	0.370	0.37	U	0.110	0.37	J	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	
IAAP103951	IAAP103951	691637.62	92967.26	05/30/07	0	0.5	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	
IAAP103952	IAAP103952	691865.78	92664.13	06/05/07	0	0.5	0.440	0.44	U	0.063	0.44	J	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	
IAAP103953	IAAP103953	691871.78	92672.56	06/05/07	0	0.5	0.390	0.39	U	0.048	0.39	J	0.390	0.39	U	0.390	0.39	U	0.390	0.39	U	
IAAP103967	IAAP103967	692063.43	92392.21	05/31/07	0	0.5	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	
IAAP103968	IAAP103968	692078.65	92374.24	05/31/07	0	0.5	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	
IAAP103969	IAAP103969	692016.53	92256.62	05/31/07	0	0.5	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	
IAAP103970	IAAP103970	691999.44	92298.14	05/31/07	0	0.5	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	
IAAP103971	IAAP103971	691986.99	92341.35	05/31/07	0	0.5	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	
IAAP103972	IAAP103972	691952.26	92326.31	05/31/07	0	0.5	0.410	0.41	U	0.045	0.41	=	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	
IAAP103973	IAAP103973	691921.12	92305.41	05/31/07	0	0.5	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	
IAAP103974	IAAP103974	691897.41	92378.59	05/31/07	0	0.5	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	
IAAP103975	IAAP103975	691944.38	92098.79	05/31/07	0	0.5	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	
IAAP103976	IAAP103976	691822.5	92425.05	05/31/07	0	0.5	0.430	0.43	U	0.110	0.43	=	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	
IAAP103977	IAAP103977	691812.21	92455.45	05/31/07	0	0.5	0.430	0.43	U	0.160	0.43	=	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	
IAAP103978	IAAP103978	691885.27	92272.64	05/31/07	0	0.5	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	
IAAP103979	IAAP103979	691850.87	92305.71	05/31/07	0	0.5	0.400	0.4	U	0.130	0.4	=	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	
IAAP103980	IAAP103980	691950.01	92383.95	05/31/07	0	0.5	0.440	0.44	U	0.310	0.44	=	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	
IAAP103981	IAAP103981	691938.67	92369.23	05/31/07	0	0.5	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	
IAAP103982	IAAP103982	691854.52	92524.36	05/31/07	0	0.5	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	
IAAP103983	IAAP103983	691816.94	92510.02	05/31/07	0	0.5	1.000	1	U	1.000	1	U	1.000	1	U	1.000	1	U	1.000	1	U	
IAAP103984	IAAP103984	691862.73	92475.37	05/31/07	0	0.5	0.430	0.43	U	0.100	0.43	=	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	
IAAP136603	IAAP100047	691990.48	93027.37	03/23/07	0	0.5	0.400	0.4	U	0.320	0.4	J	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	
IAAP96931	IAAP96931	691967.16	93373.53	11/15/06	0	0.5	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	
IAAP96932	IAAP96932	691951.14	93368.38	11/15/06	0	0.5	0.460	0.46	U	0.460	0.46	U	0.460	0.46	U	0.460	0.46	U	0.460	0.46	U	
IAAP96934	IAAP96934	COMPOSITE	COMPOSITE	11/15/06	0	0.5	0.380	0.38	U	0.380	0.38	U	0.380	0.38	U	0.380	0.38	U	0.380	0.38	U	
IAAP96935	IAAP96935	691894.02	93328.08	11/15/06	0	0.5	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	
IAAP96936	IAAP96936	COMPOSITE	COMPOSITE	11/15/06	0	0.5	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	
IAAP96937	IAAP96937	COMPOSITE	COMPOSITE	11/13/06	0	0.5	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	
IAAP96938	IAAP96938	691840.29	93270.4	11/13/06	0	0.5	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	
IAAP96939	IAAP96939	691831.83	93298.23	11/13/06	0	0.5	0.360	0.36	U	0.360	0.36	U	0.360	0.36	U	0.360	0.36	U	0.360	0.36	U	

Table B-1-3. FUSRAP Post-Excavation Soil Characterization Data Remaining for Semivolatile Organic Compounds at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	Hexachloroethane			Indeno(1,2,3-cd)pyrene			Isophorone			Naphthalene			Nitrobenzene			
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:							800	---	---	2,100	---	---	240,000	---	---	17	---	---	2,200	---	---	
<i>Eco CC^c:</i>							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
IAAP96940	IAAP96940	691832.3	93342.32	11/13/06	0	0.5	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	
IAAP96941	IAAP96941	691814.66	93317.23	11/13/06	0	0.5	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	
IAAP96942	IAAP96942	691838.97	93244.84	11/13/06	0	0.5	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	
IAAP96952	IAAP96952	692127.71	93042.61	11/15/06	0	0.5	0.340	0.34	UJ	0.340	0.34	UJ	0.340	0.34	UJ	0.340	0.34	UJ	0.340	0.34	UJ	
IAAP96953	IAAP96953	692116.38	93011.84	11/15/06	0	0.5	0.400	0.4	UJ	0.400	0.4	UJ	0.400	0.4	UJ	0.400	0.4	UJ	0.400	0.4	UJ	
IAAP96955	IAAP96955	692175.68	92981.55	11/15/06	0	0.5	0.420	0.42	U	0.072	0.42	=	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	
IAAP96957	IAAP96957	692056.98	93146.93	11/15/06	0	0.5	0.450	0.45	U	0.450	0.45	U	0.450	0.45	U	0.450	0.45	U	0.450	0.45	U	
IAAP96958	IAAP96958	692074.54	93130.61	11/15/06	0	0.5	0.470	0.47	U	0.470	0.47	U	0.470	0.47	U	0.470	0.47	U	0.470	0.47	U	
IAAP96959	IAAP96959	COMPOSITE	COMPOSITE	11/14/06	0	0.5	0.400	0.4	U	0.076	0.4	=	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	
IAAP96960	IAAP96960	692088.53	93112.41	11/15/06	0	0.5	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	
IAAP96961	IAAP96961	COMPOSITE	COMPOSITE	11/13/06	0	0.5	0.410	0.41	U	0.053	0.41	=	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	
IAAP96962	IAAP96962	COMPOSITE	COMPOSITE	11/13/06	0	0.5	0.400	0.4	U	0.130	0.4	=	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	
IAAP96963	IAAP96963	COMPOSITE	COMPOSITE	11/13/06	0	0.5	0.380	0.38	U	0.380	0.38	U	0.380	0.38	U	0.380	0.38	U	0.380	0.38	U	
IAAP96964	IAAP96964	691985.83	93063.1	11/13/06	0	0.5	0.410	0.41	U	0.043	0.41	=	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	
IAAP96966	IAAP96966	691954.93	93007.81	11/13/06	0	0.5	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	
IAAP96968	IAAP96968	691938.96	93067.14	11/13/06	0	0.5	0.350	0.35	U	0.350	0.35	U	0.350	0.35	U	0.350	0.35	U	0.350	0.35	U	
IAAP96969	IAAP96969	691938.96	93067.14	11/13/06	1	2	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	
IAAP96970	IAAP96970	691909.48	93056.65	11/13/06	0	0.5	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	
IAAP96976	IAAP96976	COMPOSITE	COMPOSITE	11/14/06	0	0.5	0.440	0.44	U	0.270	0.44	=	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	
IAAP96977	IAAP96977	COMPOSITE	COMPOSITE	11/14/06	0	0.5	0.490	0.49	U	0.120	0.49	=	0.490	0.49	U	0.490	0.49	U	0.490	0.49	U	
IAAP96979	IAAP96979	691795.01	93119.57	11/14/06	0	0.5	0.420	0.42	U	0.056	0.42	=	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	
IAAP96980	IAAP96980	691808.87	93106.84	11/14/06	0	0.5	0.360	0.36	U	0.120	0.36	=	0.360	0.36	U	0.360	0.36	U	0.360	0.36	U	
IAAP96987	IAAP96987	691941.32	92118.25	11/14/06	0	0.5	0.430	0.43	U	0.510	0.43	=	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	
IAAP96988	IAAP96988	691954.34	92114.71	11/14/06	0	0.5	0.350	0.35	U	0.350	0.35	U	0.350	0.35	U	0.350	0.35	U	0.350	0.35	U	
IAAP96989	IAAP96989	691876.63	92299.46	11/14/06	0	0.5	0.400	0.4	U	0.160	0.4	=	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	
IAAP96990	IAAP96990	691858.09	92325.86	11/14/06	0	0.5	0.450	0.45	U	14.000	9.1	=	0.450	0.45	U	0.069	0.45	=	0.450	0.45	U	
IAAP96992	IAAP96992	COMPOSITE	COMPOSITE	11/14/06	0	0.5	0.370	0.37	U	0.140	0.37	=	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	
IAAP96994	IAAP96994	691857.33	92413.74	11/14/06	0	0.5	0.370	0.37	U	0.095	0.37	=	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	
IAAP96995	IAAP96995	691870.98	92410.67	11/14/06	0	0.5	0.390	0.39	U	0.390	0.39	U	0.390	0.39	U	0.390	0.39	U	0.390	0.39	U	
IAAP96996	IAAP96996	COMPOSITE	COMPOSITE	11/14/06	0	0.5	0.420	0.42	U	2.300	0.42	=	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	
IAAP96997	IAAP96997	691844.39	92407.27	11/14/06	0	0.5	0.370	0.37	U	0.380	0.37	=	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	
IAAP96998	IAAP96998	691728	93303	11/14/06	0	0.5	0.360	0.36	U	0.360	0.36	U	0.360	0.36	U	0.360	0.36	U	0.360	0.36	U	
IAAP97000	IAAP97000	691786.4	93115.72	11/14/06	0	0.5	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	
IAAP97001	IAAP97001	691872	93010	12/18/06	0	0.5	0.360	0.36	U	0.140	0.36	=	0.360	0.36	U	0.360	0.36	U	0.360	0.36	U	
IAAP97002	IAAP97002	691884	93003	12/18/06	0	0.5	0.350	0.35	U	0.072	0.35	=	0.350	0.35	U	0.350	0.35	U	0.350	0.35	U	
IAAP97003	IAAP97003	691888	92995	12/18/06	0	0.5	0.400	0.4	U	0.280	0.4	=	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	

Table B-1-3. FUSRAP Post-Excavation Soil Characterization Data Remaining for Semivolatile Organic Compounds at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	Hexachloroethane			Indeno(1,2,3-cd)pyrene			Isophorone			Naphthalene			Nitrobenzene			
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:							800	---	---	2,100	---	---	240,000	---	---	17	---	---	2,200	---	---	
<i>Eco CC^c:</i>							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
IAAP97010	IAAP97010	691891	92892	12/19/06	0	0.5	0.410	0.41	U	0.084	0.41	=	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	
IAAP97011	IAAP97011	691900	92879	12/19/06	0	0.5	0.420	0.42	U	0.070	0.42	=	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	
IAAP97012	IAAP97012	691889	92913	12/19/06	0	0.5	0.430	0.43	U	0.120	0.43	=	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	
IAAP97013	IAAP97013	691813	92905	12/18/06	0	0.5	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	
IAAP97015	IAAP97015	691688	92824	12/18/06	0	0.5	0.350	0.35	U	0.350	0.35	U	0.350	0.35	U	0.350	0.35	U	0.350	0.35	U	
IAAP97019	IAAP97019	691689	92747	12/18/06	0	0.5	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	
IAAP97020	IAAP97020	691695	92744	12/18/06	0	0.5	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	
IAAP97021	IAAP97021	691719	92718	12/18/06	0	0.5	0.450	0.45	U	0.062	0.45	=	0.450	0.45	U	0.450	0.45	U	0.450	0.45	U	
IAAP97024	IAAP97024	691745	92709	12/18/06	0	0.5	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	
IAAP97025	IAAP97025	691718	92783	12/18/06	0	0.5	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	
IAAP97027	IAAP97027	691942	92676	12/19/06	0	0.5	0.430	0.43	U	0.069	0.43	=	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	
IAAP97035	IAAP97035	691972	92575	12/19/06	0	0.5	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	
IAAP97036	IAAP97036	692052.2	92417.45	12/19/06	0	0.5	0.360	0.36	U	0.360	0.36	U	0.360	0.36	U	0.360	0.36	U	0.360	0.36	U	
IAAP97037	IAAP97037	692060	92421.6	12/19/06	0	0.5	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	0.370	0.37	U	
IAAP97038	IAAP97038	692004	92424	12/19/06	0	0.5	0.450	0.45	U	0.058	0.45	=	0.450	0.45	U	0.450	0.45	U	0.450	0.45	U	
IAAP97043	IAAP97043	692015	92390	12/19/06	0	0.5	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	
IAAP97044	IAAP97044	692035	92385	12/19/06	0	0.5	0.460	0.46	U	0.460	0.46	U	0.460	0.46	U	0.460	0.46	U	0.460	0.46	U	
IAAP97045	IAAP97045	692065	92323	12/19/06	0	0.5	0.390	0.39	U	0.390	0.39	U	0.390	0.39	U	0.390	0.39	U	0.390	0.39	U	
IAAP97046	IAAP97046	692051	92339	12/19/06	0	0.5	0.440	0.44	U	0.071	0.44	=	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	
IAAP97047	IAAP97047	692057.8	92401	12/19/06	0	0.5	0.350	0.35	U	0.350	0.35	U	0.350	0.35	U	0.350	0.35	U	0.350	0.35	U	
IAAP98247	IAAP98247	691977	92312	12/19/06	0	0.5	0.460	0.46	U	1.400	0.46	=	0.460	0.46	U	0.460	0.46	U	0.460	0.46	U	
IAAP98248	IAAP98248	691976.1	92379.2	12/19/06	0	0.5	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	
IAAP98249	IAAP98249	691962	92426.6	12/19/06	0	0.5	0.440	0.44	U	0.230	0.44	=	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	
IAAP98260	IAAP98260	691719	92537	12/18/06	0	0.5	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	
IAAP98261	IAAP98261	691626	92692	12/18/06	0	0.5	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	
IAAP98262	IAAP98262	691633	92751	12/18/06	0	0.5	0.450	0.45	U	0.450	0.45	U	0.450	0.45	U	0.450	0.45	U	0.450	0.45	U	
IAAP98263	IAAP98263	691582	92869	12/18/06	0	0.5	1.300	1.3	U	1.300	1.3	U	1.300	1.3	U	1.300	1.3	U	1.300	1.3	U	
IAAP98264	IAAP98264	691518	93097	12/18/06	0	0.5	0.540	0.54	U	0.540	0.54	U	0.540	0.54	U	0.540	0.54	U	0.540	0.54	U	
IAAP98266	IAAP98266	691878	92578	12/18/06	0	0.5	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	
IAAP98274	IAAP98274	691733.32	93424.71	12/20/06	0	0.5	0.370	0.37	U	0.370	0.37	UJ	0.370	0.37	U	0.370	0.37	UJ	0.370	0.37	U	
IAAP99926	IAAP99926	691883.9	92993.3	04/15/07	0	0.5	0.037	0.037	U	0.360	0.037	=	0.037	0.037	U	0.037	0.037	U	0.037	0.037	U	
IAAP99944	IAAP99944	691972.36	92388.37	04/16/07	0	0.5	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	
IAAP99945	IAAP99945	691960.61	92352.76	04/16/07	0	0.5	0.410	0.41	U	0.230	0.41	=	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	
IAAP99946	IAAP99946	691934.21	92423.44	04/16/07	0	0.5	0.480	0.48	U	0.082	0.48	=	0.480	0.48	U	0.480	0.48	U	0.480	0.48	U	
IAAP99947	IAAP99947	691975.93	92282.92	04/16/07	0	0.5	0.380	0.38	U	0.380	0.38	U	0.380	0.38	U	0.380	0.38	U	0.380	0.38	U	
IAAP99948	IAAP99948	691980.56	92235.25	04/16/07	0	0.5	0.420	0.42	U	0.280	0.42	=	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	

Table B-1-3. FUSRAP Post-Excavation Soil Characterization Data Remaining for Semivolatile Organic Compounds at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	Hexachloroethane			Indeno(1,2,3-cd)pyrene			Isophorone			Naphthalene			Nitrobenzene			
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:							800	---	---	2,100	---	---	240,000	---	---	17	---	---	2,200	---	---	
<i>Eco CC^c:</i>							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
IAAP99949	IAAP99949	691884.19	92483.11	04/16/07	0	0.5	0.470	0.47	U	0.470	0.47	U	0.470	0.47	U	0.470	0.47	U	0.470	0.47	U	
IAAP99950	IAAP99950	691854.98	92504.08	04/16/07	0	0.5	0.670	0.67	U	0.210	0.67	=	0.670	0.67	U	0.670	0.67	U	0.670	0.67	U	
IAAP99951	IAAP99951	691887.23	92383.87	04/16/07	0	0.5	0.400	0.4	U	0.120	0.4	=	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	
IAAP99952	IAAP99952	691893.47	92351.89	04/16/07	0	0.5	0.420	0.42	U	1.100	0.42	=	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	
IAAP99953	IAAP99953	691815.83	92443.83	04/16/07	0	0.5	0.500	0.5	U	0.500	0.5	U	0.500	0.5	U	0.500	0.5	U	0.500	0.5	U	
IAAP99954	IAAP99954	691827.15	92460.05	04/16/07	0	0.5	0.042	0.042	U	0.069	0.042	=	0.042	0.042	U	0.042	0.042	U	0.042	0.042	U	
IAAP99955	IAAP99955	691872.9	92318.95	04/16/07	0	0.5	0.039	0.039	U	0.190	0.039	=	0.039	0.039	U	0.039	0.039	U	0.039	0.039	U	
IAAP99956	IAAP99956	691871.07	92238.22	04/16/07	0	0.5	0.051	0.051	U	0.051	0.051	U	0.051	0.051	U	0.051	0.051	U	0.051	0.051	U	
IAAP99957	IAAP99957	691898.56	92243.32	04/16/07	0	0.5	0.048	0.048	U	0.048	0.048	U	0.048	0.048	U	0.048	0.048	U	0.048	0.048	U	
IAAP99958	IAAP99958	691936.17	92258.58	04/16/07	0	0.5	0.051	0.051	U	0.051	0.051	U	0.051	0.051	U	0.051	0.051	U	0.051	0.051	U	
Maximum Reported Concentration (Detects and Non-Detects):							1.300	---	U	14.000	---	=	1.300	---	U	1.300	---	=	1.300	---	U	
Maximum Detected Concentration:							NA	---	---	14.000	---	=	NA	---	---	1.600	---	=	NA	---	---	
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0):							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection):							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Number of Sample Results Greater than USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0):							0	---	---	0	---	---	0	---	---	0	---	---	0	---	---	
Number of Sample Results Greater than Ecological Critical Concentration:							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	

^a Gray-shaded concentrations exceed the corresponding IAAAP OU-1 ROD RGs protective of an industrial worker ingesting soil (Harza 1998).

^b Concentrations in **bold** exceed the corresponding RSLs (USEPA 2018a) protective of an industrial worker exposed to soil via ingestion, dermal contact, and dust inhalation.

^c Concentrations in *italics* exceed the corresponding Eco CCs calculated for the WBPS.

Notes:

"---" Indicates that there is no comparison value available.

All results and comparison values are in mg/kg.

NA - Maximum detected result is not available because all results reported for the parameter are non-detect.

VQ symbols indicate: "=" positive identification, positive quantitation, no reason to estimate,

"U" non-detect, no reason to estimate, "J" positive identification, estimated quantitation, "UJ" analyte was not detected and had QC deficiencies.

Table B-1-3. FUSRAP Post-Excavation Soil Characterization Data Remaining for Semivolatile Organic Compounds at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	N-Nitroso-di-n-propylamine			N-Nitrosodiphenylamine			Pentachlorophenol			Phenanthrene			Phenol		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:							33	---	---	47,000	---	---	400	---	---	---	---	---	250,000	---	---
<i>Eco CC^c:</i>							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
IAAP100014	IAAP100014	691782.68	93186	03/29/07	0	0.5	0.380	0.38	U	0.380	0.38	U	1.800	1.8	U	0.450	0.38	J	0.380	0.38	U
IAAP100015	IAAP100015	691786.76	93173.01	03/29/07	0	0.5	0.430	0.43	U	0.430	0.43	U	2.100	2.1	U	0.044	0.43	J	0.430	0.43	U
IAAP100017	IAAP100017	691788.4	93108.61	03/29/07	0	0.5	0.360	0.36	U	0.360	0.36	U	1.700	1.7	U	0.360	0.36	UJ	0.360	0.36	U
IAAP100018	IAAP100018	691799.22	93143.77	03/29/07	0	0.5	0.390	0.39	U	0.390	0.39	U	1.900	1.9	U	0.390	0.39	UJ	0.390	0.39	U
IAAP100036	IAAP103993	691949.6	92924.92	06/05/07	1	2	0.410	0.41	U	0.410	0.41	U	2.000	2	U	0.410	0.41	U	0.410	0.41	U
IAAP100046	IAAP100046	691996.61	93031.05	03/23/07	0	0.5	0.430	0.43	U	0.430	0.43	U	2.100	2.1	U	0.045	0.43	J	0.430	0.43	U
IAAP100048	IAAP100048	691996.18	93025.73	03/23/07	0	0.5	0.430	0.43	U	0.430	0.43	U	2.100	2.1	U	0.060	0.43	J	0.430	0.43	U
IAAP100049	IAAP100049	692061.44	93004.97	03/23/07	0	0.5	0.410	0.41	U	0.410	0.41	U	2.000	2	U	0.410	0.41	UJ	0.410	0.41	U
IAAP100050	IAAP100050	692056.39	92980.91	03/23/07	0	0.5	0.410	0.41	U	0.410	0.41	U	2.000	2	U	0.130	0.41	J	0.410	0.41	U
IAAP100098	IAAP100098	692028.71	92529.77	04/15/07	0	0.5	0.044	0.044	U	0.044	0.044	U	0.440	0.44	U	0.044	0.044	U	0.044	0.044	U
IAAP100099	IAAP100099	692024.8	92529.01	04/15/07	0	0.5	0.046	0.046	U	0.046	0.046	U	0.450	0.45	U	0.046	0.046	U	0.046	0.046	U
IAAP100103	IAAP100103	691732.21	92673.65	04/16/07	0	0.5	0.043	0.043	U	0.043	0.043	U	0.430	0.43	U	0.043	0.043	U	0.043	0.043	U
IAAP100104	IAAP100104	691734.09	92661.56	04/16/07	0	0.5	0.043	0.043	U	0.043	0.043	U	0.430	0.43	U	0.043	0.043	U	0.043	0.043	U
IAAP100105	IAAP100105	691740.39	92663.06	04/16/07	0	0.5	0.043	0.043	U	0.043	0.043	U	0.430	0.43	U	0.043	0.043	U	0.043	0.043	U
IAAP100106	IAAP100106	692077.92	92392.37	04/16/07	0	0.5	0.035	0.035	U	0.035	0.035	U	0.350	0.35	U	0.035	0.035	U	0.035	0.035	U
IAAP100107	IAAP100107	692073.96	92394.18	04/16/07	0	0.5	0.036	0.036	U	0.036	0.036	U	0.360	0.36	U	0.036	0.036	U	0.036	0.036	U
IAAP100108	IAAP100108	692069.83	92386.12	04/16/07	0	0.5	0.056	0.056	U	0.056	0.056	U	0.550	0.55	U	0.510	0.056	=	0.056	0.056	U
IAAP100117	IAAP100117	691657.49	92890.56	04/03/07	0	0.5	0.042	0.042	U	0.042	0.042	U	0.420	0.42	U	1.600	0.042	J	0.042	0.042	U
IAAP100119	IAAP100119	691886.46	92908.5	04/16/07	0	0.5	0.043	0.043	U	0.043	0.043	U	0.430	0.43	U	0.190	0.043	=	0.043	0.043	U
IAAP100120	IAAP100120	691892.27	92915.15	04/16/07	0	0.5	0.044	0.044	U	0.044	0.044	U	0.430	0.43	U	4.500	0.044	=	0.044	0.044	U
IAAP100121	IAAP100121	691883.8	92915.71	04/16/07	0	0.5	0.045	0.045	U	0.045	0.045	U	0.440	0.44	U	0.056	0.045	=	0.045	0.045	U
IAAP100123	IAAP100123	691874.49	93011.94	04/15/07	0	0.5	0.037	0.037	U	0.037	0.037	U	0.370	0.37	U	0.410	0.037	=	0.037	0.037	U
IAAP100125	IAAP100125	691890.75	92991.72	04/11/07	0	0.5	0.043	0.043	U	0.043	0.043	U	0.430	0.43	U	0.470	0.043	=	0.043	0.043	U
IAAP103908	IAAP103908	691778.4	93191.87	05/29/07	0	0.5	0.380	0.38	U	0.380	0.38	U	1.900	1.9	U	0.210	0.38	=	0.380	0.38	U
IAAP103910	IAAP103910	691938.61	93076.7	05/29/07	0	0.5	0.340	0.34	U	0.340	0.34	U	1.700	1.7	U	0.036	0.34	=	0.340	0.34	U
IAAP103911	IAAP103911	691932.25	93063.5	05/29/07	0	0.5	0.370	0.37	U	0.370	0.37	U	1.800	1.8	U	0.370	0.37	U	0.370	0.37	U
IAAP103911	IAAP103991	691932.25	93063.5	06/05/07	1	2	0.390	0.39	U	0.390	0.39	U	1.900	1.9	U	0.390	0.39	U	0.390	0.39	U
IAAP103914	IAAP103914	691947.43	93012.67	05/29/07	0	0.5	0.420	0.42	U	0.420	0.42	U	2.000	2	U	0.200	0.42	=	0.420	0.42	U
IAAP103916	IAAP103916	691983.74	93024.23	05/29/07	0	0.5	0.370	0.37	U	0.370	0.37	U	1.800	1.8	U	0.220	0.37	=	0.370	0.37	U
IAAP103917	IAAP103917	691993.16	93019.08	05/29/07	0	0.5	0.400	0.4	U	0.400	0.4	U	1.900	1.9	U	0.400	0.4	U	0.400	0.4	U
IAAP103918	IAAP103918	691995.13	93038.88	05/29/07	0	0.5	0.440	0.44	U	0.440	0.44	U	2.100	2.1	U	0.065	0.44	=	0.440	0.44	U
IAAP103923	IAAP103923	691890.59	93003.72	05/30/07	0	0.5	0.360	0.36	U	0.360	0.36	U	1.700	1.7	U	0.170	0.36	J	0.360	0.36	U
IAAP103924	IAAP103924	691875.87	92999.03	05/30/07	0	0.5	0.340	0.34	U	0.340	0.34	U	1.700	1.7	U	0.430	0.34	=	0.340	0.34	U
IAAP103927	IAAP103927	691895.22	92989.4	05/30/07	0	0.5	0.380	0.38	U	0.380	0.38	U	1.800	1.8	U	0.100	0.38	J	0.380	0.38	U
IAAP103930	IAAP103930	691900.09	92911.11	05/30/07	0	0.5	0.420	0.42	U	0.420	0.42	U	2.100	2.1	U	1.900	0.42	=	0.420	0.42	U
IAAP103931	IAAP103931	691897.02	92918.97	05/30/07	0	0.5	0.430	0.43	U	0.430	0.43	U	2.100	2.1	U	0.180	0.43	J	0.430	0.43	U

Table B-1-3. FUSRAP Post-Excavation Soil Characterization Data Remaining for Semivolatile Organic Compounds at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	N-Nitroso-di-n-propylamine			N-Nitrosodiphenylamine			Pentachlorophenol			Phenanthrene			Phenol			
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:							33	---	---	47,000	---	---	400	---	---	---	---	---	250,000	---	---	
<i>Eco CC^c:</i>							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
IAAP103941	IAAP103941	691708	92792	06/05/07	0	0.5	0.480	0.48	U	0.480	0.48	U	2.300	2.3	U	0.055	0.48	=	0.480	0.48	U	
IAAP103942	IAAP103942	691705.9	92790.11	06/05/07	0	0.5	0.450	0.45	U	0.450	0.45	U	2.200	2.2	U	0.450	0.45	U	0.450	0.45	U	
IAAP103943	IAAP103943	691703.83	92788.7	06/05/07	0	0.5	0.400	0.4	U	0.400	0.4	U	2.000	2	U	0.400	0.4	U	0.400	0.4	U	
IAAP103944	IAAP103944	691708.53	92787.68	06/05/07	0	0.5	0.440	0.44	U	0.440	0.44	U	2.100	2.1	U	0.440	0.44	U	0.440	0.44	U	
IAAP103949	IAAP103949	691656.88	92924.64	05/30/07	0	0.5	0.410	0.41	U	0.410	0.41	U	2.000	2	U	0.650	0.41	=	0.410	0.41	U	
IAAP103950	IAAP103950	691649.22	92942.43	05/30/07	0	0.5	0.370	0.37	U	0.370	0.37	U	1.800	1.8	U	0.260	0.37	J	0.370	0.37	U	
IAAP103951	IAAP103951	691637.62	92967.26	05/30/07	0	0.5	0.410	0.41	U	0.410	0.41	U	2.000	2	U	0.064	0.41	J	0.410	0.41	U	
IAAP103952	IAAP103952	691865.78	92664.13	06/05/07	0	0.5	0.440	0.44	U	0.440	0.44	U	2.100	2.1	U	0.170	0.44	J	0.440	0.44	U	
IAAP103953	IAAP103953	691871.78	92672.56	06/05/07	0	0.5	0.390	0.39	U	0.390	0.39	U	1.900	1.9	U	0.092	0.39	J	0.390	0.39	U	
IAAP103967	IAAP103967	692063.43	92392.21	05/31/07	0	0.5	0.410	0.41	U	0.410	0.41	U	2.000	2	U	0.410	0.41	U	0.410	0.41	U	
IAAP103968	IAAP103968	692078.65	92374.24	05/31/07	0	0.5	0.420	0.42	U	0.420	0.42	U	2.000	2	U	0.045	0.42	=	0.420	0.42	U	
IAAP103969	IAAP103969	692016.53	92256.62	05/31/07	0	0.5	0.440	0.44	U	0.440	0.44	U	2.200	2.2	U	0.440	0.44	U	0.440	0.44	U	
IAAP103970	IAAP103970	691999.44	92298.14	05/31/07	0	0.5	0.440	0.44	U	0.440	0.44	U	2.200	2.2	U	0.440	0.44	U	0.440	0.44	U	
IAAP103971	IAAP103971	691986.99	92341.35	05/31/07	0	0.5	0.420	0.42	U	0.420	0.42	U	2.000	2	U	0.090	0.42	=	0.420	0.42	U	
IAAP103972	IAAP103972	691952.26	92326.31	05/31/07	0	0.5	0.410	0.41	U	0.410	0.41	U	2.000	2	U	0.140	0.41	=	0.410	0.41	U	
IAAP103973	IAAP103973	691921.12	92305.41	05/31/07	0	0.5	0.440	0.44	U	0.440	0.44	U	2.100	2.1	U	0.440	0.44	U	0.440	0.44	U	
IAAP103974	IAAP103974	691897.41	92378.59	05/31/07	0	0.5	0.410	0.41	U	0.410	0.41	U	2.000	2	U	0.410	0.41	U	0.410	0.41	U	
IAAP103975	IAAP103975	691944.38	92098.79	05/31/07	0	0.5	0.430	0.43	U	0.430	0.43	U	2.100	2.1	U	0.430	0.43	U	0.430	0.43	U	
IAAP103976	IAAP103976	691822.5	92425.05	05/31/07	0	0.5	0.430	0.43	U	0.430	0.43	U	2.100	2.1	U	0.170	0.43	=	0.430	0.43	U	
IAAP103977	IAAP103977	691812.21	92455.45	05/31/07	0	0.5	0.430	0.43	U	0.430	0.43	U	2.100	2.1	U	0.096	0.43	=	0.430	0.43	U	
IAAP103978	IAAP103978	691885.27	92272.64	05/31/07	0	0.5	0.430	0.43	U	0.430	0.43	U	2.100	2.1	U	0.052	0.43	=	0.430	0.43	U	
IAAP103979	IAAP103979	691850.87	92305.71	05/31/07	0	0.5	0.400	0.4	U	0.400	0.4	U	2.000	2	U	0.280	0.4	=	0.400	0.4	U	
IAAP103980	IAAP103980	691950.01	92383.95	05/31/07	0	0.5	0.440	0.44	U	0.440	0.44	U	2.100	2.1	U	1.100	0.44	=	0.440	0.44	U	
IAAP103981	IAAP103981	691938.67	92369.23	05/31/07	0	0.5	0.440	0.44	U	0.440	0.44	U	2.100	2.1	U	0.067	0.44	=	0.440	0.44	U	
IAAP103982	IAAP103982	691854.52	92524.36	05/31/07	0	0.5	0.420	0.42	U	0.420	0.42	U	2.000	2	U	0.420	0.42	U	0.420	0.42	U	
IAAP103983	IAAP103983	691816.94	92510.02	05/31/07	0	0.5	1.000	1	U	1.000	1	U	5.000	5	U	1.000	1	U	1.000	1	U	
IAAP103984	IAAP103984	691862.73	92475.37	05/31/07	0	0.5	0.430	0.43	U	0.430	0.43	U	2.100	2.1	U	0.300	0.43	=	0.430	0.43	U	
IAAP136603	IAAP100047	691990.48	93027.37	03/23/07	0	0.5	0.400	0.4	U	0.400	0.4	U	1.900	1.9	U	0.850	0.4	J	0.400	0.4	U	
IAAP96931	IAAP96931	691967.16	93373.53	11/15/06	0	0.5	0.410	0.41	U	0.410	0.41	U	2.000	2	U	0.410	0.41	U	0.410	0.41	U	
IAAP96932	IAAP96932	691951.14	93368.38	11/15/06	0	0.5	0.460	0.46	U	0.460	0.46	U	2.200	2.2	U	0.460	0.46	U	0.460	0.46	U	
IAAP96934	IAAP96934	COMPOSITE	COMPOSITE	11/15/06	0	0.5	0.380	0.38	U	0.380	0.38	U	1.800	1.8	U	0.380	0.38	U	0.380	0.38	U	
IAAP96935	IAAP96935	691894.02	93328.08	11/15/06	0	0.5	0.370	0.37	U	0.370	0.37	U	1.800	1.8	U	0.200	0.37	=	0.370	0.37	U	
IAAP96936	IAAP96936	COMPOSITE	COMPOSITE	11/15/06	0	0.5	0.440	0.44	U	0.440	0.44	U	2.100	2.1	U	0.440	0.44	U	0.440	0.44	U	
IAAP96937	IAAP96937	COMPOSITE	COMPOSITE	11/13/06	0	0.5	0.370	0.37	U	0.370	0.37	U	1.800	1.8	UJ	0.370	0.37	U	0.370	0.37	U	
IAAP96938	IAAP96938	691840.29	93270.4	11/13/06	0	0.5	0.440	0.44	U	0.440	0.44	U	2.100	2.1	UJ	0.440	0.44	U	0.440	0.44	U	
IAAP96939	IAAP96939	691831.83	93298.23	11/13/06	0	0.5	0.360	0.36	U	0.360	0.36	U	1.800	1.8	UJ	0.360	0.36	U	0.360	0.36	U	

Table B-1-3. FUSRAP Post-Excavation Soil Characterization Data Remaining for Semivolatile Organic Compounds at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	N-Nitroso-di-n-propylamine			N-Nitrosodiphenylamine			Pentachlorophenol			Phenanthrene			Phenol			
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:							33	---	---	47,000	---	---	400	---	---	---	---	---	250,000	---	---	
<i>Eco CC^c:</i>							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
IAAP96940	IAAP96940	691832.3	93342.32	11/13/06	0	0.5	0.370	0.37	U	0.370	0.37	U	1.800	1.8	UJ	0.370	0.37	U	0.370	0.37	U	
IAAP96941	IAAP96941	691814.66	93317.23	11/13/06	0	0.5	0.420	0.42	U	0.420	0.42	U	2.000	2	UJ	0.420	0.42	U	0.420	0.42	U	
IAAP96942	IAAP96942	691838.97	93244.84	11/13/06	0	0.5	0.410	0.41	U	0.410	0.41	U	2.000	2	UJ	0.410	0.41	U	0.410	0.41	U	
IAAP96952	IAAP96952	692127.71	93042.61	11/15/06	0	0.5	0.340	0.34	UJ	0.340	0.34	UJ	1.700	1.7	UJ	0.340	0.34	UJ	0.340	0.34	UJ	
IAAP96953	IAAP96953	692116.38	93011.84	11/15/06	0	0.5	0.400	0.4	UJ	0.400	0.4	UJ	1.900	1.9	UJ	0.400	0.4	UJ	0.400	0.4	UJ	
IAAP96955	IAAP96955	692175.68	92981.55	11/15/06	0	0.5	0.420	0.42	U	0.420	0.42	U	2.000	2	U	0.290	0.42	=	0.420	0.42	U	
IAAP96957	IAAP96957	692056.98	93146.93	11/15/06	0	0.5	0.450	0.45	U	0.450	0.45	U	2.200	2.2	U	0.054	0.45	=	0.450	0.45	U	
IAAP96958	IAAP96958	692074.54	93130.61	11/15/06	0	0.5	0.470	0.47	U	0.470	0.47	U	2.300	2.3	U	0.470	0.47	U	0.470	0.47	U	
IAAP96959	IAAP96959	COMPOSITE	COMPOSITE	11/14/06	0	0.5	0.400	0.4	U	0.400	0.4	U	1.900	1.9	UJ	0.130	0.4	=	0.400	0.4	U	
IAAP96960	IAAP96960	692088.53	93112.41	11/15/06	0	0.5	0.420	0.42	U	0.420	0.42	U	2.000	2	U	0.420	0.42	U	0.420	0.42	U	
IAAP96961	IAAP96961	COMPOSITE	COMPOSITE	11/13/06	0	0.5	0.410	0.41	U	0.410	0.41	U	2.000	2	UJ	0.085	0.41	=	0.410	0.41	U	
IAAP96962	IAAP96962	COMPOSITE	COMPOSITE	11/13/06	0	0.5	0.400	0.4	U	0.400	0.4	U	2.000	2	UJ	0.160	0.4	=	0.400	0.4	U	
IAAP96963	IAAP96963	COMPOSITE	COMPOSITE	11/13/06	0	0.5	0.380	0.38	U	0.380	0.38	U	1.900	1.9	UJ	0.380	0.38	U	0.380	0.38	U	
IAAP96964	IAAP96964	691985.83	93063.1	11/13/06	0	0.5	0.410	0.41	U	0.410	0.41	U	2.000	2	UJ	0.150	0.41	=	0.410	0.41	U	
IAAP96966	IAAP96966	691954.93	93007.81	11/13/06	0	0.5	0.420	0.42	U	0.420	0.42	U	2.000	2	UJ	0.420	0.42	U	0.420	0.42	U	
IAAP96968	IAAP96968	691938.96	93067.14	11/13/06	0	0.5	0.350	0.35	U	0.350	0.35	U	1.700	1.7	UJ	0.350	0.35	U	0.350	0.35	U	
IAAP96969	IAAP96969	691938.96	93067.14	11/13/06	1	2	0.400	0.4	U	0.400	0.4	U	2.000	2	UJ	0.400	0.4	U	0.400	0.4	U	
IAAP96970	IAAP96970	691909.48	93056.65	11/13/06	0	0.5	0.440	0.44	U	0.440	0.44	U	2.100	2.1	UJ	0.440	0.44	U	0.440	0.44	U	
IAAP96976	IAAP96976	COMPOSITE	COMPOSITE	11/14/06	0	0.5	0.440	0.44	U	0.440	0.44	U	2.100	2.1	UJ	0.110	0.44	=	0.440	0.44	U	
IAAP96977	IAAP96977	COMPOSITE	COMPOSITE	11/14/06	0	0.5	0.490	0.49	U	0.490	0.49	U	2.400	2.4	UJ	0.180	0.49	=	0.490	0.49	U	
IAAP96979	IAAP96979	691795.01	93119.57	11/14/06	0	0.5	0.420	0.42	U	0.420	0.42	U	2.000	2	UJ	0.420	0.42	U	0.420	0.42	U	
IAAP96980	IAAP96980	691808.87	93106.84	11/14/06	0	0.5	0.360	0.36	U	0.360	0.36	U	1.700	1.7	UJ	0.055	0.36	=	0.360	0.36	U	
IAAP96987	IAAP96987	691941.32	92118.25	11/14/06	0	0.5	0.430	0.43	U	0.430	0.43	U	2.100	2.1	UJ	0.730	0.43	=	0.430	0.43	U	
IAAP96988	IAAP96988	691954.34	92114.71	11/14/06	0	0.5	0.350	0.35	U	0.350	0.35	U	1.700	1.7	UJ	0.350	0.35	U	0.350	0.35	U	
IAAP96989	IAAP96989	691876.63	92299.46	11/14/06	0	0.5	0.400	0.4	U	0.400	0.4	U	2.000	2	UJ	0.190	0.4	=	0.400	0.4	U	
IAAP96990	IAAP96990	691858.09	92325.86	11/14/06	0	0.5	0.450	0.45	U	0.450	0.45	U	2.200	2.2	U	22.000	9.1	=	0.450	0.45	U	
IAAP96992	IAAP96992	COMPOSITE	COMPOSITE	11/14/06	0	0.5	0.370	0.37	U	0.370	0.37	U	1.800	1.8	U	0.270	0.37	=	0.370	0.37	U	
IAAP96994	IAAP96994	691857.33	92413.74	11/14/06	0	0.5	0.370	0.37	U	0.370	0.37	U	1.800	1.8	UJ	0.110	0.37	=	0.370	0.37	U	
IAAP96995	IAAP96995	691870.98	92410.67	11/14/06	0	0.5	0.390	0.39	U	0.390	0.39	U	1.900	1.9	UJ	0.390	0.39	U	0.390	0.39	U	
IAAP96996	IAAP96996	COMPOSITE	COMPOSITE	11/14/06	0	0.5	0.420	0.42	U	0.420	0.42	U	2.000	2	UJ	8.200	4.2	=	0.420	0.42	U	
IAAP96997	IAAP96997	691844.39	92407.27	11/14/06	0	0.5	0.370	0.37	U	0.370	0.37	U	1.800	1.8	UJ	1.100	0.37	=	0.370	0.37	U	
IAAP96998	IAAP96998	691728	93303	11/14/06	0	0.5	0.360	0.36	U	0.360	0.36	U	1.700	1.7	UJ	0.360	0.36	U	0.360	0.36	U	
IAAP97000	IAAP97000	691786.4	93115.72	11/14/06	0	0.5	0.440	0.44	U	0.440	0.44	U	2.100	2.1	UJ	0.440	0.44	U	0.440	0.44	U	
IAAP97001	IAAP97001	691872	93010	12/18/06	0	0.5	0.360	0.36	U	0.360	0.36	U	1.800	1.8	U	0.350	0.36	J	0.360	0.36	U	
IAAP97002	IAAP97002	691884	93003	12/18/06	0	0.5	0.350	0.35	U	0.350	0.35	U	1.700	1.7	U	0.094	0.35	J	0.350	0.35	U	
IAAP97003	IAAP97003	691888	92995	12/18/06	0	0.5	0.400	0.4	U	0.400	0.4	U	2.000	2	U	0.500	0.4	J	0.400	0.4	U	

Table B-1-3. FUSRAP Post-Excavation Soil Characterization Data Remaining for Semivolatile Organic Compounds at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	N-Nitroso-di-n-propylamine			N-Nitrosodiphenylamine			Pentachlorophenol			Phenanthrene			Phenol			
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:							33	---	---	47,000	---	---	400	---	---	---	---	---	250,000	---	---	
<i>Eco CC^c:</i>							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
IAAP97010	IAAP97010	691891	92892	12/19/06	0	0.5	0.410	0.41	U	0.410	0.41	U	2.000	2	U	0.270	0.41	=	0.410	0.41	U	
IAAP97011	IAAP97011	691900	92879	12/19/06	0	0.5	0.420	0.42	U	0.420	0.42	U	2.100	2.1	U	0.280	0.42	=	0.420	0.42	U	
IAAP97012	IAAP97012	691889	92913	12/19/06	0	0.5	0.430	0.43	U	0.430	0.43	U	2.100	2.1	U	0.350	0.43	=	0.430	0.43	U	
IAAP97013	IAAP97013	691813	92905	12/18/06	0	0.5	0.370	0.37	U	0.370	0.37	U	1.800	1.8	U	0.370	0.37	UJ	0.370	0.37	U	
IAAP97015	IAAP97015	691688	92824	12/18/06	0	0.5	0.350	0.35	U	0.350	0.35	U	1.700	1.7	U	0.350	0.35	UJ	0.350	0.35	U	
IAAP97019	IAAP97019	691689	92747	12/18/06	0	0.5	0.440	0.44	U	0.440	0.44	U	2.100	2.1	U	0.440	0.44	UJ	0.440	0.44	U	
IAAP97020	IAAP97020	691695	92744	12/18/06	0	0.5	0.430	0.43	U	0.430	0.43	U	2.100	2.1	U	0.430	0.43	UJ	0.430	0.43	U	
IAAP97021	IAAP97021	691719	92718	12/18/06	0	0.5	0.450	0.45	U	0.450	0.45	U	2.200	2.2	U	0.450	0.45	UJ	0.450	0.45	U	
IAAP97024	IAAP97024	691745	92709	12/18/06	0	0.5	0.440	0.44	U	0.440	0.44	U	2.100	2.1	U	0.440	0.44	UJ	0.440	0.44	U	
IAAP97025	IAAP97025	691718	92783	12/18/06	0	0.5	0.440	0.44	U	0.440	0.44	U	2.100	2.1	U	0.440	0.44	UJ	0.440	0.44	U	
IAAP97027	IAAP97027	691942	92676	12/19/06	0	0.5	0.430	0.43	U	0.430	0.43	U	2.100	2.1	U	0.430	0.43	U	0.430	0.43	U	
IAAP97035	IAAP97035	691972	92575	12/19/06	0	0.5	0.430	0.43	U	0.430	0.43	U	2.100	2.1	U	0.430	0.43	U	0.430	0.43	U	
IAAP97036	IAAP97036	692052.2	92417.45	12/19/06	0	0.5	0.360	0.36	U	0.360	0.36	U	1.700	1.7	U	0.041	0.36	=	0.360	0.36	U	
IAAP97037	IAAP97037	692060	92421.6	12/19/06	0	0.5	0.370	0.37	U	0.370	0.37	U	1.800	1.8	U	0.370	0.37	U	0.370	0.37	U	
IAAP97038	IAAP97038	692004	92424	12/19/06	0	0.5	0.450	0.45	U	0.450	0.45	U	2.200	2.2	U	0.450	0.45	U	0.450	0.45	U	
IAAP97043	IAAP97043	692015	92390	12/19/06	0	0.5	0.410	0.41	U	0.410	0.41	U	2.000	2	U	0.410	0.41	U	0.410	0.41	U	
IAAP97044	IAAP97044	692035	92385	12/19/06	0	0.5	0.460	0.46	U	0.460	0.46	U	2.200	2.2	U	0.110	0.46	=	0.460	0.46	U	
IAAP97045	IAAP97045	692065	92323	12/19/06	0	0.5	0.390	0.39	U	0.390	0.39	U	1.900	1.9	U	0.390	0.39	U	0.390	0.39	U	
IAAP97046	IAAP97046	692051	92339	12/19/06	0	0.5	0.440	0.44	U	0.440	0.44	U	2.100	2.1	U	0.440	0.44	U	0.440	0.44	U	
IAAP97047	IAAP97047	692057.8	92401	12/19/06	0	0.5	0.350	0.35	U	0.350	0.35	U	1.700	1.7	U	0.350	0.35	U	0.350	0.35	U	
IAAP98247	IAAP98247	691977	92312	12/19/06	0	0.5	0.460	0.46	U	0.460	0.46	U	2.200	2.2	U	5.700	0.46	=	0.460	0.46	U	
IAAP98248	IAAP98248	691976.1	92379.2	12/19/06	0	0.5	0.430	0.43	U	0.430	0.43	U	2.100	2.1	U	0.061	0.43	=	0.430	0.43	U	
IAAP98249	IAAP98249	691962	92426.6	12/19/06	0	0.5	0.440	0.44	U	0.440	0.44	U	2.100	2.1	U	0.920	0.44	=	0.440	0.44	U	
IAAP98260	IAAP98260	691719	92537	12/18/06	0	0.5	0.400	0.4	U	0.400	0.4	U	1.900	1.9	U	0.400	0.4	UJ	0.400	0.4	U	
IAAP98261	IAAP98261	691626	92692	12/18/06	0	0.5	0.410	0.41	U	0.410	0.41	U	2.000	2	U	0.410	0.41	UJ	0.410	0.41	U	
IAAP98262	IAAP98262	691633	92751	12/18/06	0	0.5	0.450	0.45	U	0.450	0.45	U	2.200	2.2	U	0.450	0.45	UJ	0.450	0.45	U	
IAAP98263	IAAP98263	691582	92869	12/18/06	0	0.5	1.300	1.3	U	1.300	1.3	U	6.100	6.1	U	1.300	1.3	UJ	1.300	1.3	U	
IAAP98264	IAAP98264	691518	93097	12/18/06	0	0.5	0.540	0.54	U	0.540	0.54	U	2.600	2.6	U	0.540	0.54	UJ	0.540	0.54	U	
IAAP98266	IAAP98266	691878	92578	12/18/06	0	0.5	0.420	0.42	U	0.420	0.42	U	2.100	2.1	U	0.420	0.42	UJ	0.420	0.42	U	
IAAP98274	IAAP98274	691733.32	93424.71	12/20/06	0	0.5	0.370	0.37	U	0.370	0.37	U	1.800	1.8	U	0.072	0.37	UJ	0.370	0.37	U	
IAAP99926	IAAP99926	691883.9	92993.3	04/15/07	0	0.5	0.037	0.037	U	0.037	0.037	U	0.370	0.37	U	0.670	0.037	=	0.037	0.037	U	
IAAP99944	IAAP99944	691972.36	92388.37	04/16/07	0	0.5	0.440	0.44	U	0.440	0.44	U	2.100	2.1	U	0.050	0.44	=	0.440	0.44	U	
IAAP99945	IAAP99945	691960.61	92352.76	04/16/07	0	0.5	0.410	0.41	U	0.410	0.41	U	2.000	2	U	0.780	0.41	=	0.410	0.41	U	
IAAP99946	IAAP99946	691934.21	92423.44	04/16/07	0	0.5	0.480	0.48	U	0.480	0.48	U	2.300	2.3	U	0.200	0.48	=	0.480	0.48	U	
IAAP99947	IAAP99947	691975.93	92282.92	04/16/07	0	0.5	0.380	0.38	U	0.380	0.38	U	1.800	1.8	U	0.380	0.38	U	0.380	0.38	U	
IAAP99948	IAAP99948	691980.56	92235.25	04/16/07	0	0.5	0.420	0.42	U	0.420	0.42	U	2.000	2	U	1.100	0.42	=	0.420	0.42	U	

Table B-1-3. FUSRAP Post-Excavation Soil Characterization Data Remaining for Semivolatile Organic Compounds at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	N-Nitroso-di-n-propylamine			N-Nitrosodiphenylamine			Pentachlorophenol			Phenanthrene			Phenol			
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:							33	---	---	47,000	---	---	400	---	---	---	---	---	250,000	---	---	
<i>Eco CC^c:</i>							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
IAAP99949	IAAP99949	691884.19	92483.11	04/16/07	0	0.5	0.470	0.47	U	0.470	0.47	U	2.300	2.3	U	0.048	0.47	=	0.470	0.47	U	
IAAP99950	IAAP99950	691854.98	92504.08	04/16/07	0	0.5	0.670	0.67	U	0.670	0.67	U	3.300	3.3	U	0.120	0.67	=	0.670	0.67	U	
IAAP99951	IAAP99951	691887.23	92383.87	04/16/07	0	0.5	0.400	0.4	U	0.400	0.4	U	2.000	2	U	0.530	0.4	=	0.400	0.4	U	
IAAP99952	IAAP99952	691893.47	92351.89	04/16/07	0	0.5	0.420	0.42	U	0.420	0.42	U	2.000	2	U	2.700	0.42	=	0.420	0.42	U	
IAAP99953	IAAP99953	691815.83	92443.83	04/16/07	0	0.5	0.500	0.5	U	0.500	0.5	U	2.400	2.4	U	0.500	0.5	U	0.500	0.5	U	
IAAP99954	IAAP99954	691827.15	92460.05	04/16/07	0	0.5	0.042	0.042	U	0.042	0.042	U	0.410	0.41	U	0.071	0.042	=	0.042	0.042	U	
IAAP99955	IAAP99955	691872.9	92318.95	04/16/07	0	0.5	0.039	0.039	U	0.039	0.039	U	0.380	0.38	U	0.180	0.039	=	0.039	0.039	U	
IAAP99956	IAAP99956	691871.07	92238.22	04/16/07	0	0.5	0.051	0.051	U	0.051	0.051	U	0.500	0.5	U	0.051	0.051	U	0.051	0.051	U	
IAAP99957	IAAP99957	691898.56	92243.32	04/16/07	0	0.5	0.048	0.048	U	0.048	0.048	U	0.480	0.48	U	0.048	0.048	U	0.048	0.048	U	
IAAP99958	IAAP99958	691936.17	92258.58	04/16/07	0	0.5	0.051	0.051	U	0.051	0.051	U	0.500	0.5	U	0.051	0.051	U	0.051	0.051	U	
Maximum Reported Concentration (Detects and Non-Detects):							1.300	---	U	1.300	---	U	6.100	---	U	22.000	---	=	1.300	---	U	
Maximum Detected Concentration:							NA	---	---	NA	---	---	NA	---	---	22.000	---	=	NA	---	---	
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0):							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection):							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Number of Sample Results Greater than USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0):							0	---	---	0	---	---	0	---	---	---	---	---	---	0	---	---
Number of Sample Results Greater than Ecological Critical Concentration:							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	

^a Gray-shaded concentrations exceed the corresponding IAAAP OU-1 ROD RGs protective of an industrial worker ingesting soil (Harza 1998).

^b Concentrations in **bold** exceed the corresponding RSLs (USEPA 2018a) protective of an industrial worker exposed to soil via ingestion, dermal contact, and dust inhalation.

^c Concentrations in *italics* exceed the corresponding Eco CCs calculated for the WBPS.

Notes:

"---" Indicates that there is no comparison value available.

All results and comparison values are in mg/kg.

NA - Maximum detected result is not available because all results reported for the parameter are non-detect.

VQ symbols indicate: “=” positive identification, positive quantitation, no reason to estimate,

“U” non-detect, no reason to estimate, “J” positive identification, estimated quantitation, “UJ” analyte was not detected and had QC deficiencies.

Table B-1-3. FUSRAP Post-Excavation Soil Characterization Data Remaining for Semivolatile Organic Compounds at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	Pyrene		
							Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:							23,000	---	---
<i>Eco CC^c:</i>							---	---	---
IAAP100014	IAAP100014	691782.68	93186	03/29/07	0	0.5	0.360	0.38	J
IAAP100015	IAAP100015	691786.76	93173.01	03/29/07	0	0.5	0.170	0.43	J
IAAP100017	IAAP100017	691788.4	93108.61	03/29/07	0	0.5	0.360	0.36	UJ
IAAP100018	IAAP100018	691799.22	93143.77	03/29/07	0	0.5	0.048	0.39	J
IAAP100036	IAAP103993	691949.6	92924.92	06/05/07	1	2	0.410	0.41	U
IAAP100046	IAAP100046	691996.61	93031.05	03/23/07	0	0.5	0.049	0.43	J
IAAP100048	IAAP100048	691996.18	93025.73	03/23/07	0	0.5	0.069	0.43	J
IAAP100049	IAAP100049	692061.44	93004.97	03/23/07	0	0.5	0.410	0.41	UJ
IAAP100050	IAAP100050	692056.39	92980.91	03/23/07	0	0.5	0.160	0.41	J
IAAP100098	IAAP100098	692028.71	92529.77	04/15/07	0	0.5	0.044	0.044	UJ
IAAP100099	IAAP100099	692024.8	92529.01	04/15/07	0	0.5	0.046	0.046	UJ
IAAP100103	IAAP100103	691732.21	92673.65	04/16/07	0	0.5	0.043	0.043	U
IAAP100104	IAAP100104	691734.09	92661.56	04/16/07	0	0.5	0.055	0.043	=
IAAP100105	IAAP100105	691740.39	92663.06	04/16/07	0	0.5	0.043	0.043	U
IAAP100106	IAAP100106	692077.92	92392.37	04/16/07	0	0.5	0.035	0.035	UJ
IAAP100107	IAAP100107	692073.96	92394.18	04/16/07	0	0.5	0.036	0.036	UJ
IAAP100108	IAAP100108	692069.83	92386.12	04/16/07	0	0.5	0.460	0.056	=
IAAP100117	IAAP100117	691657.49	92890.56	04/03/07	0	0.5	1.100	0.042	J
IAAP100119	IAAP100119	691886.46	92908.5	04/16/07	0	0.5	0.280	0.043	=
IAAP100120	IAAP100120	691892.27	92915.15	04/16/07	0	0.5	3.500	0.044	=
IAAP100121	IAAP100121	691883.8	92915.71	04/16/07	0	0.5	0.085	0.045	=
IAAP100123	IAAP100123	691874.49	93011.94	04/15/07	0	0.5	0.590	0.037	=
IAAP100125	IAAP100125	691890.75	92991.72	04/11/07	0	0.5	0.520	0.043	=
IAAP103908	IAAP103908	691778.4	93191.87	05/29/07	0	0.5	0.920	0.38	=
IAAP103910	IAAP103910	691938.61	93076.7	05/29/07	0	0.5	0.140	0.34	=
IAAP103911	IAAP103911	691932.25	93063.5	05/29/07	0	0.5	0.100	0.37	=
IAAP103911	IAAP103991	691932.25	93063.5	06/05/07	1	2	0.390	0.39	U
IAAP103914	IAAP103914	691947.43	93012.67	05/29/07	0	0.5	0.280	0.42	=
IAAP103916	IAAP103916	691983.74	93024.23	05/29/07	0	0.5	0.370	0.37	=
IAAP103917	IAAP103917	691993.16	93019.08	05/29/07	0	0.5	0.046	0.4	=
IAAP103918	IAAP103918	691995.13	93038.88	05/29/07	0	0.5	0.095	0.44	=
IAAP103923	IAAP103923	691890.59	93003.72	05/30/07	0	0.5	0.340	0.36	J
IAAP103924	IAAP103924	691875.87	92999.03	05/30/07	0	0.5	0.570	0.34	=
IAAP103927	IAAP103927	691895.22	92989.4	05/30/07	0	0.5	0.270	0.38	J
IAAP103930	IAAP103930	691900.09	92911.11	05/30/07	0	0.5	2.100	0.42	=
IAAP103931	IAAP103931	691897.02	92918.97	05/30/07	0	0.5	0.290	0.43	J

Table B-1-3. FUSRAP Post-Excavation Soil Characterization Data Remaining for Semivolatile Organic Compounds at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	Pyrene		
							Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:							23,000	---	---
<i>Eco CC^c:</i>							---	---	---
IAAP103941	IAAP103941	691708	92792	06/05/07	0	0.5	0.110	0.48	=
IAAP103942	IAAP103942	691705.9	92790.11	06/05/07	0	0.5	0.082	0.45	=
IAAP103943	IAAP103943	691703.83	92788.7	06/05/07	0	0.5	0.400	0.4	U
IAAP103944	IAAP103944	691708.53	92787.68	06/05/07	0	0.5	0.440	0.44	U
IAAP103949	IAAP103949	691656.88	92924.64	05/30/07	0	0.5	0.760	0.41	=
IAAP103950	IAAP103950	691649.22	92942.43	05/30/07	0	0.5	0.350	0.37	J
IAAP103951	IAAP103951	691637.62	92967.26	05/30/07	0	0.5	0.110	0.41	J
IAAP103952	IAAP103952	691865.78	92664.13	06/05/07	0	0.5	0.210	0.44	J
IAAP103953	IAAP103953	691871.78	92672.56	06/05/07	0	0.5	0.150	0.39	J
IAAP103967	IAAP103967	692063.43	92392.21	05/31/07	0	0.5	0.070	0.41	=
IAAP103968	IAAP103968	692078.65	92374.24	05/31/07	0	0.5	0.100	0.42	=
IAAP103969	IAAP103969	692016.53	92256.62	05/31/07	0	0.5	0.140	0.44	=
IAAP103970	IAAP103970	691999.44	92298.14	05/31/07	0	0.5	0.440	0.44	U
IAAP103971	IAAP103971	691986.99	92341.35	05/31/07	0	0.5	0.140	0.42	=
IAAP103972	IAAP103972	691952.26	92326.31	05/31/07	0	0.5	0.170	0.41	=
IAAP103973	IAAP103973	691921.12	92305.41	05/31/07	0	0.5	0.440	0.44	U
IAAP103974	IAAP103974	691897.41	92378.59	05/31/07	0	0.5	0.410	0.41	U
IAAP103975	IAAP103975	691944.38	92098.79	05/31/07	0	0.5	0.430	0.43	U
IAAP103976	IAAP103976	691822.5	92425.05	05/31/07	0	0.5	0.370	0.43	=
IAAP103977	IAAP103977	691812.21	92455.45	05/31/07	0	0.5	0.370	0.43	=
IAAP103978	IAAP103978	691885.27	92272.64	05/31/07	0	0.5	0.095	0.43	=
IAAP103979	IAAP103979	691850.87	92305.71	05/31/07	0	0.5	0.560	0.4	=
IAAP103980	IAAP103980	691950.01	92383.95	05/31/07	0	0.5	1.100	0.44	=
IAAP103981	IAAP103981	691938.67	92369.23	05/31/07	0	0.5	0.082	0.44	=
IAAP103982	IAAP103982	691854.52	92524.36	05/31/07	0	0.5	0.420	0.42	U
IAAP103983	IAAP103983	691816.94	92510.02	05/31/07	0	0.5	1.000	1	U
IAAP103984	IAAP103984	691862.73	92475.37	05/31/07	0	0.5	0.340	0.43	=
IAAP136603	IAAP100047	691990.48	93027.37	03/23/07	0	0.5	0.980	0.4	J
IAAP96931	IAAP96931	691967.16	93373.53	11/15/06	0	0.5	0.410	0.41	U
IAAP96932	IAAP96932	691951.14	93368.38	11/15/06	0	0.5	0.460	0.46	U
IAAP96934	IAAP96934	COMPOSITE	COMPOSITE	11/15/06	0	0.5	0.045	0.38	=
IAAP96935	IAAP96935	691894.02	93328.08	11/15/06	0	0.5	0.550	0.37	=
IAAP96936	IAAP96936	COMPOSITE	COMPOSITE	11/15/06	0	0.5	0.440	0.44	U
IAAP96937	IAAP96937	COMPOSITE	COMPOSITE	11/13/06	0	0.5	0.370	0.37	U
IAAP96938	IAAP96938	691840.29	93270.4	11/13/06	0	0.5	0.440	0.44	U
IAAP96939	IAAP96939	691831.83	93298.23	11/13/06	0	0.5	0.360	0.36	U

Table B-1-3. FUSRAP Post-Excavation Soil Characterization Data Remaining for Semivolatile Organic Compounds at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	Pyrene		
							Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:							23,000	---	---
<i>Eco CC^c:</i>							---	---	---
IAAP96940	IAAP96940	691832.3	93342.32	11/13/06	0	0.5	0.370	0.37	U
IAAP96941	IAAP96941	691814.66	93317.23	11/13/06	0	0.5	0.420	0.42	U
IAAP96942	IAAP96942	691838.97	93244.84	11/13/06	0	0.5	0.410	0.41	U
IAAP96952	IAAP96952	692127.71	93042.61	11/15/06	0	0.5	0.057	0.34	J
IAAP96953	IAAP96953	692116.38	93011.84	11/15/06	0	0.5	0.400	0.4	UJ
IAAP96955	IAAP96955	692175.68	92981.55	11/15/06	0	0.5	0.270	0.42	=
IAAP96957	IAAP96957	692056.98	93146.93	11/15/06	0	0.5	0.066	0.45	=
IAAP96958	IAAP96958	692074.54	93130.61	11/15/06	0	0.5	0.470	0.47	U
IAAP96959	IAAP96959	COMPOSITE	COMPOSITE	11/14/06	0	0.5	0.190	0.4	=
IAAP96960	IAAP96960	692088.53	93112.41	11/15/06	0	0.5	0.420	0.42	U
IAAP96961	IAAP96961	COMPOSITE	COMPOSITE	11/13/06	0	0.5	0.170	0.41	=
IAAP96962	IAAP96962	COMPOSITE	COMPOSITE	11/13/06	0	0.5	0.470	0.4	=
IAAP96963	IAAP96963	COMPOSITE	COMPOSITE	11/13/06	0	0.5	0.380	0.38	U
IAAP96964	IAAP96964	691985.83	93063.1	11/13/06	0	0.5	0.230	0.41	=
IAAP96966	IAAP96966	691954.93	93007.81	11/13/06	0	0.5	0.061	0.42	=
IAAP96968	IAAP96968	691938.96	93067.14	11/13/06	0	0.5	0.040	0.35	=
IAAP96969	IAAP96969	691938.96	93067.14	11/13/06	1	2	0.400	0.4	U
IAAP96970	IAAP96970	691909.48	93056.65	11/13/06	0	0.5	0.440	0.44	U
IAAP96976	IAAP96976	COMPOSITE	COMPOSITE	11/14/06	0	0.5	0.370	0.44	=
IAAP96977	IAAP96977	COMPOSITE	COMPOSITE	11/14/06	0	0.5	0.310	0.49	=
IAAP96979	IAAP96979	691795.01	93119.57	11/14/06	0	0.5	0.140	0.42	=
IAAP96980	IAAP96980	691808.87	93106.84	11/14/06	0	0.5	0.100	0.36	=
IAAP96987	IAAP96987	691941.32	92118.25	11/14/06	0	0.5	1.200	0.43	=
IAAP96988	IAAP96988	691954.34	92114.71	11/14/06	0	0.5	0.350	0.35	U
IAAP96989	IAAP96989	691876.63	92299.46	11/14/06	0	0.5	0.390	0.4	=
IAAP96990	IAAP96990	691858.09	92325.86	11/14/06	0	0.5	35.000	9.1	=
IAAP96992	IAAP96992	COMPOSITE	COMPOSITE	11/14/06	0	0.5	0.450	0.37	=
IAAP96994	IAAP96994	691857.33	92413.74	11/14/06	0	0.5	0.130	0.37	=
IAAP96995	IAAP96995	691870.98	92410.67	11/14/06	0	0.5	0.047	0.39	=
IAAP96996	IAAP96996	COMPOSITE	COMPOSITE	11/14/06	0	0.5	8.500	4.2	=
IAAP96997	IAAP96997	691844.39	92407.27	11/14/06	0	0.5	1.200	0.37	=
IAAP96998	IAAP96998	691728	93303	11/14/06	0	0.5	0.360	0.36	U
IAAP97000	IAAP97000	691786.4	93115.72	11/14/06	0	0.5	0.440	0.44	U
IAAP97001	IAAP97001	691872	93010	12/18/06	0	0.5	0.610	0.36	J
IAAP97002	IAAP97002	691884	93003	12/18/06	0	0.5	0.250	0.35	J
IAAP97003	IAAP97003	691888	92995	12/18/06	0	0.5	1.100	0.4	J

Table B-1-3. FUSRAP Post-Excavation Soil Characterization Data Remaining for Semivolatile Organic Compounds at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	Pyrene		
							Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:							23,000	---	---
<i>Eco CC^c:</i>							---	---	---
IAAP97010	IAAP97010	691891	92892	12/19/06	0	0.5	0.340	0.41	=
IAAP97011	IAAP97011	691900	92879	12/19/06	0	0.5	0.360	0.42	=
IAAP97012	IAAP97012	691889	92913	12/19/06	0	0.5	0.540	0.43	=
IAAP97013	IAAP97013	691813	92905	12/18/06	0	0.5	0.370	0.37	UJ
IAAP97015	IAAP97015	691688	92824	12/18/06	0	0.5	0.049	0.35	J
IAAP97019	IAAP97019	691689	92747	12/18/06	0	0.5	0.440	0.44	U
IAAP97020	IAAP97020	691695	92744	12/18/06	0	0.5	0.070	0.43	J
IAAP97021	IAAP97021	691719	92718	12/18/06	0	0.5	0.099	0.45	J
IAAP97024	IAAP97024	691745	92709	12/18/06	0	0.5	0.440	0.44	UJ
IAAP97025	IAAP97025	691718	92783	12/18/06	0	0.5	0.050	0.44	J
IAAP97027	IAAP97027	691942	92676	12/19/06	0	0.5	0.430	0.43	U
IAAP97035	IAAP97035	691972	92575	12/19/06	0	0.5	0.430	0.43	U
IAAP97036	IAAP97036	692052.2	92417.45	12/19/06	0	0.5	0.110	0.36	=
IAAP97037	IAAP97037	692060	92421.6	12/19/06	0	0.5	0.050	0.37	=
IAAP97038	IAAP97038	692004	92424	12/19/06	0	0.5	0.450	0.45	U
IAAP97043	IAAP97043	692015	92390	12/19/06	0	0.5	0.410	0.41	U
IAAP97044	IAAP97044	692035	92385	12/19/06	0	0.5	0.160	0.46	=
IAAP97045	IAAP97045	692065	92323	12/19/06	0	0.5	0.390	0.39	U
IAAP97046	IAAP97046	692051	92339	12/19/06	0	0.5	0.058	0.44	=
IAAP97047	IAAP97047	692057.8	92401	12/19/06	0	0.5	0.043	0.35	=
IAAP98247	IAAP98247	691977	92312	12/19/06	0	0.5	6.500	0.46	=
IAAP98248	IAAP98248	691976.1	92379.2	12/19/06	0	0.5	0.430	0.43	U
IAAP98249	IAAP98249	691962	92426.6	12/19/06	0	0.5	1.200	0.44	=
IAAP98260	IAAP98260	691719	92537	12/18/06	0	0.5	0.400	0.4	UJ
IAAP98261	IAAP98261	691626	92692	12/18/06	0	0.5	0.410	0.41	UJ
IAAP98262	IAAP98262	691633	92751	12/18/06	0	0.5	0.450	0.45	UJ
IAAP98263	IAAP98263	691582	92869	12/18/06	0	0.5	0.210	1.3	J
IAAP98264	IAAP98264	691518	93097	12/18/06	0	0.5	0.540	0.54	UJ
IAAP98266	IAAP98266	691878	92578	12/18/06	0	0.5	0.420	0.42	UJ
IAAP98274	IAAP98274	691733.32	93424.71	12/20/06	0	0.5	0.061	0.37	UJ
IAAP99926	IAAP99926	691883.9	92993.3	04/15/07	0	0.5	0.670	0.037	=
IAAP99944	IAAP99944	691972.36	92388.37	04/16/07	0	0.5	0.440	0.44	U
IAAP99945	IAAP99945	691960.61	92352.76	04/16/07	0	0.5	0.810	0.41	=
IAAP99946	IAAP99946	691934.21	92423.44	04/16/07	0	0.5	0.270	0.48	=
IAAP99947	IAAP99947	691975.93	92282.92	04/16/07	0	0.5	0.380	0.38	U
IAAP99948	IAAP99948	691980.56	92235.25	04/16/07	0	0.5	0.910	0.42	J

Table B-1-3. FUSRAP Post-Excavation Soil Characterization Data Remaining for Semivolatile Organic Compounds at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	Pyrene		
							Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:							23,000	---	---
<i>Eco CC^c:</i>							---	---	---
IAAP99949	IAAP99949	691884.19	92483.11	04/16/07	0	0.5	0.063	0.47	J
IAAP99950	IAAP99950	691854.98	92504.08	04/16/07	0	0.5	0.270	0.67	J
IAAP99951	IAAP99951	691887.23	92383.87	04/16/07	0	0.5	0.390	0.4	J
IAAP99952	IAAP99952	691893.47	92351.89	04/16/07	0	0.5	2.500	0.42	J
IAAP99953	IAAP99953	691815.83	92443.83	04/16/07	0	0.5	0.080	0.5	J
IAAP99954	IAAP99954	691827.15	92460.05	04/16/07	0	0.5	0.120	0.042	=
IAAP99955	IAAP99955	691872.9	92318.95	04/16/07	0	0.5	0.280	0.039	=
IAAP99956	IAAP99956	691871.07	92238.22	04/16/07	0	0.5	0.088	0.051	=
IAAP99957	IAAP99957	691898.56	92243.32	04/16/07	0	0.5	0.048	0.048	U
IAAP99958	IAAP99958	691936.17	92258.58	04/16/07	0	0.5	0.051	0.051	U
Maximum Reported Concentration (Detects and Non-Detects):							35.000	---	=
Maximum Detected Concentration:							35.000	---	=
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0):							---	---	---
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection):							---	---	---
Number of Sample Results Greater than USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0):							0	---	---
Number of Sample Results Greater than Ecological Critical Concentration:							---	---	---

^a Gray-shaded concentrations exceed the corresponding IAAAP OU-1 ROD RGs protective of an industrial worker ingesting soil (Harza 1998).

^b Concentrations in **bold** exceed the corresponding RSLs (USEPA 2018a) protective of an industrial worker exposed to soil via ingestion, dermal contact, and dust inhalation.

^c Concentrations in *italics* exceed the corresponding Eco CCs calculated for the WBPS.

Notes:

"--" Indicates that there is no comparison value available.

All results and comparison values are in mg/kg.

NA - Maximum detected result is not available because all results reported for the parameter are non-detect.

VQ symbols indicate: "=" positive identification, positive quantitation, no reason to estimate,

"U" non-detect, no reason to estimate, "J" positive identification, estimated quantitation, "UJ" analyte was not detected and had QC deficiencies.

Table B-1-4. FUSRAP Post-Excavation Soil Characterization Data Remaining for Polychlorinated Biphenyls at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collected Date	Start Depth (ft)	End Depth (ft)	Aroclor-1016			Aroclor-1221			Aroclor-1232			Aroclor-1242			Aroclor-1248			Aroclor-1254			Aroclor-1260			Total PCBs ^a			
							Result	DL	VQ		Result	DL	VQ																		
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^b :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	10		
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^b :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^c:							27	---	---	83	---	---	72	---	---	95	---	---	95	---	---	97	---	---	99	---	---	94			
<i>Eco CC^d:</i>							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<i>1.14</i>	---	---	<i>1.14</i>	---	---	---	---		
IAAP103920	IAAP103920	691724.65	93410.82	06/05/07	0	1	0.040	0.04	U	3.400	0.16	=	3.640																		
IAAP103920	IAAP103990	691724.65	93410.82	06/05/07	1	2	0.041	0.041	U	0.084	0.041	=	0.330																		
IAAP105931	IAAP105931	691740.04	93415.36	10/15/07	0	0.5	0.041	0.041	U	0.287																					
IAAP111606	IAAP111606	691734.19	93407.76	09/25/08	0	0.5	0.036	0.036	U	0.170	0.036	=	0.386																		
IAAP111607	IAAP111607	691727.06	93429.67	09/25/08	0	0.5	0.034	0.034	U	0.880	0.034	=	0.360	0.034	=	1.410															
IAAP96930	IAAP96930	691948.95	92884.97	10/26/06	0	0.5	0.036	0.036	U	0.240	0.036	=	0.456																		
IAAP96933	IAAP96933	691867.28	93412.92	11/15/06	0	0.5	0.042	0.042	U	0.294																					
IAAP96947	IAAP96947	691717.21	93427.81	11/14/06	0	0.5	0.035	0.035	U	0.031	0.035	J	0.241																		
IAAP96971	IAAP96971	692097.68	92776.72	11/15/06	0	0.5	0.042	0.042	U	0.042	0.042	U	0.042	0.042	U	0.210	0.042	=	0.042	0.042	U	0.042	0.042	U	0.042	0.042	U	0.462			
IAAP96972	IAAP96972	692078.06	92722.05	11/15/06	0	0.5	0.037	0.037	U	0.259																					
IAAP96973	IAAP96973	692040.63	92633.52	11/13/06	0	0.5	0.036	0.036	U	0.252																					
IAAP96974	IAAP96974	692112.18	92358.23	11/13/06	0	0.5	0.039	0.039	U	0.273																					
IAAP96975	IAAP96975	692147.49	92576.36	11/13/06	0	0.5	0.041	0.041	U	0.287																					
IAAP96978	IAAP96978	691706.76	93404.96	11/14/06	0	0.5	0.042	0.042	U	0.034	0.042	=	0.286																		
IAAP96983	IAAP96983	691670.47	93334.86	11/14/06	0	0.5	0.043	0.043	U	0.061	0.043	=	0.319																		
IAAP96984	IAAP96984	691698.82	93223.63	11/14/06	0	0.5	0.043	0.043	U	0.110	0.043	J	0.368																		
IAAP96985	IAAP96985	691714.21	93222.53	11/14/06	0	0.5	0.042	0.042	U	1.800	0.42	=	2.052																		
IAAP96986	IAAP96986	691710.01	93190.28	11/14/06	0	0.5	0.044	0.044	U	0.130	0.044	=	0.394																		
IAAP98258	IAAP98258	691824	92092	12/20/06	0	0.5	0.042	0.042	U	0.294																					
Maximum Reported Concentration (Detects and Non-Detects):							0.044	---	U	0.044	---	U	0.044	---	U	0.210	---	=	0.044	---	U	0.880	---	=	3.400	---	=	3.640			
Maximum Detected Concentration:							NA	---	---	NA	---	---	NA	---	---	0.210	---	=	NA	---	---	0.880	---	=	3.400	---	=	3.640			
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0):							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0	
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection):							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Number of Sample Results Greater than USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0):							0	---	---	0	---	---	0	---	---	0	---	---	0	---	---	0	---	---	0	---	---	0	---	---	0
Number of Sample Results Greater than Eco CC:							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0	---	---	2	---	---	---	---	

^a The Total PCB results presented for each sample represent the sums of the reported Aroclor results that sample.

^b Gray-shaded concentrations exceed the corresponding IAAAP OU-1 ROD RGs protective of an industrial worker ingesting soil (Harza 1998).

^c Concentrations in **bold** exceed the corresponding RSLs (USEPA 2018a) protective of an industrial worker exposed to soil via ingestion, dermal contact, and dust inhalation.

^d Concentrations in *italics* exceed the corresponding Eco CCs calculated for Line 1.

Notes:

"---" Indicates that there is no comparison value available.

All results and comparison values are in mg/kg.

NA - Maximum detected result is not available because all results reported for the parameter are non-detect.

VQ symbols indicate: "=" positive identification, positive quantitation, no reason to estimate, "U" non-detect, no reason to estimate, "J" positive identification, estimated quantitation, "UJ" analyte was not detected and had QC deficiencies.

Table B-1-6. FUSRAP Post-Excavation Soil Characterization Data Remaining for Metals at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	Aluminum			Antimony			Arsenic			Barium			Beryllium			Boron		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^b :							---	---	---	816	---	---	30	---	---	---	---	---	5	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^b :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^c:							1,100,000	---	---	470	---	---	300	---	---	220,000	---	---	2,300	---	---	230,000	---	---
<i>Eco CC^d:</i>							---	---	---	<i>1,161</i>	---	---	<i>156</i>	---	---	<i>2,520</i>	---	---	---	---	---	---	---	---
IAAP100000	IAAP100000	691723.44	93385.79	03/28/07	0	0.5																		
IAAP100000	IAAP100001	691723.44	93385.79	03/28/07	0.5	1																		
IAAP100000	IAAP100112	691723.44	93385.79	03/28/07	1	1.5																		
IAAP100002	IAAP100002	691726.92	93376.03	03/28/07	0	0.5																		
IAAP100002	IAAP100003	691726.92	93376.03	03/28/07	0.5	1																		
IAAP100002	IAAP100113	691726.92	93376.03	03/28/07	1	1.5																		
IAAP100004	IAAP100004	691732.81	93366.73	03/28/07	0	0.5																		
IAAP100004	IAAP100005	691732.81	93366.73	03/28/07	0.5	1																		
IAAP100004	IAAP100114	691732.81	93366.73	03/28/07	1	1.5																		
IAAP100006	IAAP100006	691735.81	93358.42	03/28/07	0	0.5																		
IAAP100006	IAAP100007	691735.81	93358.42	03/28/07	0.5	1																		
IAAP100006	IAAP100115	691735.81	93358.42	03/28/07	1	1.5																		
IAAP100008	IAAP100008	691739.66	93346.54	03/28/07	0	0.5																		
IAAP100008	IAAP100009	691739.66	93346.54	03/28/07	0.5	1																		
IAAP100008	IAAP100116	691739.66	93346.54	03/28/07	1	1.5																		
IAAP100031	IAAP100031	691727.31	93292.52	03/29/07	0	0.5																		
IAAP100034	IAAP100034	691728.18	93296.62	03/29/07	0	0.5																		
IAAP100046	IAAP100046	691996.61	93031.05	03/23/07	0	0.5	11,500.00	8	=	0.43	0.43	=	7.90	0.36	=	146.00	0.65	=	0.74	0.071	=			
IAAP100048	IAAP100048	691996.18	93025.73	03/23/07	0	0.5	12,900.00	8.1	=	0.52	0.43	=	8.30	0.36	=	187.00	0.65	=	0.80	0.072	=			
IAAP100051	IAAP100051	691943.22	92732.92	04/16/07	0	0.5							6.00	0.35	=									
IAAP100051	IAAP100052	691943.22	92732.92	04/16/07	1	2							3.30	0.31	=									
IAAP100057	IAAP100057	691587.61	92871.04	04/12/07	0	0.5																		
IAAP100058	IAAP100058	691571.87	92865.95	04/12/07	0	0.5																		
IAAP100059	IAAP100059	691922.71	92626.5	04/15/07	0	0.5																		
IAAP100060	IAAP100060	691917.77	92621.56	04/15/07	0	0.5																		
IAAP100061	IAAP100061	691921.19	92615.5	04/15/07	0	0.5																		
IAAP100062	IAAP100062	691693.75	92886.11	04/12/07	0	0.5																		
IAAP100063	IAAP100063	691696.5	92877.2	04/12/07	0	0.5																		
IAAP100064	IAAP100064	691689.05	92879.37	04/12/07	0	0.5																		
IAAP100066	IAAP100066	691749.63	92654.13	04/12/07	0	0.5																		
IAAP100068	IAAP100068	691682.18	92883.19	04/12/07	0	0.5																		
IAAP100070	IAAP100070	691851.03	92973.78	04/12/07	0	0.5																		
IAAP100071	IAAP100071	691694.48	92747.08	04/11/07	0	0.5																		
IAAP100087	IAAP100087	691886.05	92824.82	04/16/07	0	0.5																		

Table B-1-6. FUSRAP Post-Excavation Soil Characterization Data Remaining for Metals at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	Aluminum			Antimony			Arsenic			Barium			Beryllium			Boron		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^b :							---	---	---	816	---	---	30	---	---	---	---	---	5	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^b :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^c:							1,100,000	---	---	470	---	---	300	---	---	220,000	---	---	2,300	---	---	230,000	---	---
<i>Eco CC^d:</i>							---	---	---	<i>1,161</i>	---	---	<i>156</i>	---	---	<i>2,520</i>	---	---	---	---	---	---	---	---
IAAP103900	IAAP103900	691723.57	93391.67	05/29/07	0	0.5																		
IAAP103900	IAAP103901	691723.57	93391.67	05/29/07	0.5	1																		
IAAP103900	IAAP103902	691723.57	93391.67	05/29/07	1	1.5																		
IAAP103900	IAAP103903	691723.57	93391.67	05/29/07	1.5	2																		
IAAP103904	IAAP103904	691713.05	93388.24	05/29/07	0	0.5																		
IAAP103904	IAAP103905	691713.05	93388.24	05/29/07	0.5	1																		
IAAP103904	IAAP103906	691713.05	93388.24	05/29/07	1	1.5																		
IAAP103904	IAAP103907	691713.05	93388.24	05/29/07	1.5	2																		
IAAP103919	IAAP103919	692010.7	92873.76	05/30/07	0	0.5																		
IAAP103932	IAAP103932	691887.23	92819.77	06/05/07	0	0.5																		
IAAP103957	IAAP103957	691806.11	92492.32	05/31/07	0	0.5	7,440.00	7.8	=	0.41	0.41	UJ	4.80	0.34	=	115.00	0.63	=	0.42	0.069	=			
IAAP103958	IAAP103958	691801.39	92494.82	05/31/07	0	0.5	10,300.00	7.7	=	0.41	0.41	UJ	6.20	0.34	=	128.00	0.62	=	0.62	0.068	=			
IAAP103959	IAAP103959	691802	92486.1	05/31/07	0	0.5	11,300.00	7.9	=	0.42	0.42	UJ	5.50	0.35	=	107.00	0.64	=	0.59	0.071	=			
IAAP111608	IAAP111608	691729.54	93383.8	09/25/08	0	0.5				4.90	4.9	UJ	6.60	6.6	U	150.00	0.82	=	0.94	0.94	U			
IAAP111627	IAAP111628	691996.16	93028.25	09/24/08	1	2				2.90	2.9	UJ	9.10	0.52	=	186.00	0.35	=	0.95	0.95	UJ			
IAAP111631	IAAP111631	692000.12	93025.48	09/24/08	0	0.5				2.70	2.7	UJ	5.70	0.52	=	115.00	0.35	=	0.54	0.54	UJ			
IAAP111633	IAAP111633	691947.6	92731.29	09/23/08	0	1				3.80	0.68	J	6.90	0.52	=	189.00	0.35	=	0.95	0.95	UJ			
IAAP111634	IAAP111634	691942.06	92729.45	09/23/08	0	1				3.90	0.67	J	6.60	0.51	=	166.00	0.34	=	0.83	0.83	UJ			
IAAP111635	IAAP111635	691936.94	92730.22	09/23/08	0	1				3.20	1.7	J	9.60	0.52	=	255.00	0.35	=	0.87	0.87	UJ			
IAAP111652	IAAP111652	691848.62	92980.16	09/24/08	0	1				3.30	3.3	UJ	7.10	0.52	=	203.00	0.35	=	0.68	0.68	U			
IAAP136603	IAAP100047	691990.48	93027.37	03/23/07	0	0.5	9,420.00	7.5	=	0.40	0.4	U	7.40	0.33	=	138.00	0.61	=	0.62	0.067	=			
IAAP96925	IAAP96925	692027	92844.46	10/26/06	0	0.5	12,000.00	8.7	=	0.47	0.47	U	5.60	0.39	=	151.00	0.7	=	0.77	0.078	=			
IAAP96926	IAAP96926	692014.91	92844.8	10/26/06	0	0.5	12,300.00	8.7	=	0.47	0.47	U	4.20	0.39	=	168.00	0.7	=	0.85	0.078	=			
IAAP96927	IAAP96927	691998.35	92979.48	10/26/06	0	0.5	10,300.00	9.2	=	0.49	0.49	U	8.50	0.41	=	170.00	0.74	=	0.71	0.082	=			
IAAP96928	IAAP96928	691998.35	92979.48	10/26/06	0	0.5	14,300.00	8.6	=	0.46	0.46	U	9.40	0.38	=	180.00	0.7	=	0.84	0.077	=			
IAAP96929	IAAP96929	691966.49	92969.51	10/26/06	0	0.5	15,600.00	8.5	=	0.46	0.46	U	15.20	0.38	=	275.00	0.69	=	1.00	0.076	=			
IAAP96935	IAAP96935	691894.02	93328.08	11/15/06	0	0.5	4,150.00	35.2	J	1.90	1.9	UJ	2.80	1.6	=	43.20	2.8	=	0.31	0.31	U			
IAAP96936	IAAP96936	COMPOSITE	COMPOSITE	11/15/06	0	0.5	14,700.00	8.3	J	0.61	0.44	J	12.80	0.37	=	197.00	0.67	=	0.85	0.074	=			
IAAP96937	IAAP96937	COMPOSITE	COMPOSITE	11/13/06	0	0.5	4,060.00	34.5	J	1.80	1.8	UJ	3.60	1.5	=	54.80	2.8	=	0.31	0.31	U			
IAAP96938	IAAP96938	691840.29	93270.4	11/13/06	0	0.5	8,300.00	8.3	J	0.63	0.44	J	7.30	0.37	=	243.00	0.67	=	0.64	0.074	=			
IAAP96939	IAAP96939	691831.83	93298.23	11/13/06	0	0.5	2,250.00	34	J	1.80	1.8	UJ	4.00	1.5	=	29.20	2.7	=	0.30	0.3	U			
IAAP96940	IAAP96940	691832.3	93342.32	11/13/06	0	0.5	1,720.00	35.1	J	1.90	1.9	UJ	3.60	1.6	=	39.10	2.8	=	0.31	0.31	U			
IAAP96941	IAAP96941	691814.66	93317.23	11/13/06	0	0.5	14,300.00	7.8	J	0.77	0.42	J	10.40	0.35	=	170.00	0.63	=	0.81	0.07	=			
IAAP96942	IAAP96942	691838.97	93244.84	11/13/06	0	0.5	14,000.00	7.8	J	0.58	0.41	J	12.40	0.34	=	204.00	0.63	=	1.10	0.069	=			

Table B-1-6. FUSRAP Post-Excavation Soil Characterization Data Remaining for Metals at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	Aluminum			Antimony			Arsenic			Barium			Beryllium			Boron		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^b :							---	---	---	816	---	---	30	---	---	---	---	---	5	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^b :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^c:							1,100,000	---	---	470	---	---	300	---	---	220,000	---	---	2,300	---	---	230,000	---	---
<i>Eco CC^d:</i>							---	---	---	<i>1,161</i>	---	---	<i>156</i>	---	---	<i>2,520</i>	---	---	---	---	---	---	---	---
IAAP96943	IAAP96943	691740.96	93451.82	11/14/06	0	0.5	4,760.00	14.7	J	0.79	0.79	UJ	3.80	0.65	=	54.70	1.2	=	0.35	0.13	=			
IAAP96944	IAAP96944	691700	93430.63	11/14/06	0	0.5	11,200.00	15.3	J	0.82	0.82	UJ	7.90	0.68	=	184.00	1.2	=	0.88	0.14	=			
IAAP96945	IAAP96945	691712.74	93499.75	11/14/06	0	0.5	11,900.00	8.7	J	1.00	0.46	J	10.00	0.38	=	154.00	0.7	=	0.72	0.077	=			
IAAP96949	IAAP96949	692113.04	93092.9	11/15/06	0	0.5	12,600.00	7.7	J	0.80	0.41	J	10.50	0.34	=	217.00	0.62	=	0.75	0.069	=			
IAAP96950	IAAP96950	COMPOSITE	COMPOSITE	11/15/06	0	0.5	9,880.00	7.9	J	0.45	0.42	J	7.70	0.35	=	226.00	0.64	=	0.63	0.071	=			
IAAP96951	IAAP96951	COMPOSITE	COMPOSITE	11/15/06	0	0.5	11,400.00	7.7	J	0.77	0.41	J	7.70	0.34	=	156.00	0.62	=	0.67	0.069	=			
IAAP96952	IAAP96952	692127.71	93042.61	11/15/06	0	0.5	2,010.00	32	J	1.70	1.7	UJ	8.40	1.4	=	27.00	2.6	=	0.29	0.29	U			
IAAP96953	IAAP96953	692116.38	93011.84	11/15/06	0	0.5	11,800.00	7.5	J	0.45	0.4	J	11.00	0.33	=	184.00	0.61	=	0.80	0.067	=			
IAAP96954	IAAP96954	692116.26	92981.47	11/15/06	0	0.5	9,860.00	7.1	J	0.69	0.38	J	7.00	0.31	=	156.00	0.57	=	0.62	0.063	=			
IAAP96959	IAAP96959	COMPOSITE	COMPOSITE	11/14/06	0	0.5	13,200.00	7.5	J	0.40	0.4	UJ	7.80	0.33	=	167.00	0.6	=	0.83	0.066	=			
IAAP96961	IAAP96961	COMPOSITE	COMPOSITE	11/13/06	0	0.5	14,100.00	7.7	J	0.42	0.41	J	6.60	0.34	=	135.00	0.62	=	0.83	0.069	=			
IAAP96962	IAAP96962	COMPOSITE	COMPOSITE	11/13/06	0	0.5	12,700.00	7.6	J	0.56	0.41	J	7.70	0.34	=	146.00	0.61	=	0.77	0.068	=			
IAAP96963	IAAP96963	COMPOSITE	COMPOSITE	11/13/06	0	0.5	11,000.00	7.2	J	0.56	0.38	J	5.00	0.32	=	146.00	0.58	=	0.67	0.064	=			
IAAP96964	IAAP96964	691985.83	93063.1	11/13/06	0	0.5	12,400.00	7.7	J	0.65	0.41	J	6.60	0.34	=	166.00	0.62	=	0.79	0.068	=			
IAAP96967	IAAP96967	691937	93039	11/13/06	0	0.5	3,620.00	32.8	J	1.80	1.8	UJ	1.80	1.5	=	38.00	2.7	=	0.29	0.29	U			
IAAP96976	IAAP111609	COMPOSITE	COMPOSITE	09/25/08	1	2				3.50	3.5	UJ	4.90	4.9	U	200.00	0.37	=	0.77	0.77	U			
IAAP96976	IAAP96976	COMPOSITE	COMPOSITE	11/14/06	0	0.5	10,700.00	40.9	J	47.40	2.2	J	13.00	1.8	=	175.00	3.3	=	0.81	0.36	=			
IAAP96977	IAAP96977	COMPOSITE	COMPOSITE	11/14/06	0	0.5	11,500.00	9.2	J	2.70	0.49	J	11.40	0.41	=	138.00	0.74	=	1.10	0.082	=			
IAAP96979	IAAP96979	691795.01	93119.57	11/14/06	0	0.5	12,500.00	7.9	J	0.89	0.42	J	7.60	0.35	=	197.00	0.64	=	0.81	0.07	=			
IAAP96980	IAAP96980	691808.87	93106.84	11/14/06	0	0.5	3,600.00	33.4	J	1.80	1.8	UJ	2.80	1.5	=	47.80	2.7	=	0.30	0.3	=			
IAAP96988	IAAP96988	691954.34	92114.71	11/14/06	0	0.5	2,120.00	13.3	J	0.73	0.71	J	2.00	0.59	=	30.20	1.1	=	0.13	0.12	=			
IAAP96989	IAAP96989	691876.63	92299.46	11/14/06	0	0.5	11,200.00	7.6	J	0.66	0.41	J	9.00	0.34	=	229.00	0.61	=	0.76	0.068	=			
IAAP96992	IAAP96992	COMPOSITE	COMPOSITE	11/14/06	0	0.5	6,460.00	13.9	J	0.74	0.74	UJ	5.40	0.61	=	94.50	1.1	=	0.44	0.12	=			
IAAP96994	IAAP96994	691857.33	92413.74	11/14/06	0	0.5	11,100.00	7	J	0.42	0.38	J	5.90	0.31	=	113.00	0.57	=	0.74	0.063	=			
IAAP96996	IAAP96996	COMPOSITE	COMPOSITE	11/14/06	0	0.5	9,510.00	7.9	J	0.81	0.42	J	6.90	0.35	=	144.00	0.64	=	0.61	0.07	=			
IAAP96997	IAAP96997	691844.39	92407.27	11/14/06	0	0.5	3,230.00	35	J	1.90	1.9	UJ	3.80	1.6	=	41.60	2.8	=	0.31	0.31	U			
IAAP96998	IAAP96998	691728	93303	11/14/06	0	0.5	12,900.00	13.5	J	1.20	0.72	J	10.50	0.6	=	164.00	1.1	=	0.68	0.12	=			
IAAP97000	IAAP97000	691786.4	93115.72	11/14/06	0	0.5	13,800.00	8.3	J	0.91	0.44	J	10.10	0.37	=	174.00	0.67	=	0.77	0.074	=			
IAAP97001	IAAP97001	691872	93010	12/18/06	0	0.5	5,100.00	6.8	=	0.46	0.37	=	3.10	0.3	=	86.30	0.55	=	0.30	0.061	=			
IAAP97002	IAAP97002	691884	93003	12/18/06	0	0.5	2,020.00	6.6	=	0.56	0.35	=	2.30	0.29	=	53.10	0.53	=	0.17	0.059	=			
IAAP97003	IAAP97003	691888	92995	12/18/06	0	0.5	6,410.00	7.6	=	0.49	0.41	=	5.40	0.34	=	147.00	0.61	=	0.44	0.068	=			
IAAP97008	IAAP97008	691894	92818	12/19/06	0	0.5	12,900.00	8	=	0.58	0.43	=	8.70	0.35	J	214.00	0.64	J	0.79	0.071	=	6.90	1.9	=
IAAP97009	IAAP97009	691903	92823	12/19/06	0	0.5	13,300.00	7.8	=	2.10	0.83	=	10.90	0.35	J	297.00	6.3	J	0.76	0.069	=	10.30	1.9	=
IAAP97010	IAAP97010	691891	92892	12/19/06	0	0.5	11,800.00	7.8	=	0.41	0.41	U	9.30	0.34	J	227.00	0.63	J	0.72	0.069	=	6.90	1.9	=

Table B-1-6. FUSRAP Post-Excavation Soil Characterization Data Remaining for Metals at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	Aluminum			Antimony			Arsenic			Barium			Beryllium			Boron		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^b :							---	---	---	816	---	---	30	---	---	---	---	---	5	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^b :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^c:							1,100,000	---	---	470	---	---	300	---	---	220,000	---	---	2,300	---	---	230,000	---	---
<i>Eco CC^d:</i>							---	---	---	<i>1,161</i>	---	---	<i>156</i>	---	---	<i>2,520</i>	---	---	---	---	---	---	---	---
IAAP97011	IAAP97011	691900	92879	12/19/06	0	0.5	13,400.00	8	=	0.70	0.43	=	10.30	0.35	J	172.00	0.64	J	0.77	0.071	=	8.00	1.9	=
IAAP97012	IAAP97012	691889	92913	12/19/06	0	0.5	13,100.00	8.1	=	0.90	0.43	=	9.00	0.36	J	170.00	0.65	J	0.72	0.072	=	8.00	2	=
IAAP97013	IAAP97013	691813	92905	12/18/06	0	0.5	2,330.00	6.9	=	7.30	0.74	J	3.90	0.3	=	144.00	0.56	=	0.16	0.061	=			
IAAP97016	IAAP97016	691683	92887	12/18/06	0	0.5	11,100.00	8.2	=	0.45	0.44	=	8.20	0.36	=	781.00	0.66	=	0.69	0.073	=			
IAAP97017	IAAP97017	691680	92894	12/18/06	0	0.5	11,300.00	7.4	=	0.91	0.39	=	7.00	0.33	=	221.00	0.6	=	0.70	0.066	=			
IAAP97018	IAAP97018	691694	92881	12/18/06	0	0.5	11,400.00	8.6	=	44.50	0.46	=	0.38	0.38	U	166.00	0.7	=	0.64	0.077	=			
IAAP97019	IAAP97019	691689	92747	12/18/06	0	0.5	9,850.00	8.3	=	0.78	0.44	=	7.90	0.37	=	213.00	0.67	=	0.62	0.074	=			
IAAP97020	IAAP97020	691695	92744	12/18/06	0	0.5	11,600.00	8.1	=	0.43	0.43	U	9.30	0.36	=	152.00	0.65	=	0.71	0.072	=			
IAAP97021	IAAP97021	691719	92718	12/18/06	0	0.5	5,600.00	8.4	=	0.51	0.45	=	4.40	0.37	=	70.10	0.68	=	0.35	0.075	=			
IAAP97022	IAAP97022	691753	92650	12/18/06	0	0.5	14,200.00	7.9	=	1.60	0.84	J	9.30	0.35	=	182.00	0.64	=	0.72	0.07	=			
IAAP97023	IAAP97023	691750	92660	12/18/06	0	0.5	11,000.00	8.6	=	0.46	0.46	U	5.90	0.38	=	129.00	0.69	=	0.68	0.077	=			
IAAP97024	IAAP97024	691745	92709	12/18/06	0	0.5	11,100.00	8.2	=	0.44	0.44	U	6.90	0.37	=	135.00	0.67	=	0.67	0.073	=			
IAAP97030	IAAP97030	691973	92557	12/19/06	0	0.5	13,700.00	7.5	=	0.53	0.4	=	5.60	0.33	J	142.00	0.6	J	0.77	0.067	=	5.50	1.8	=
IAAP97031	IAAP97031	691979	92543	12/19/06	0	0.5	2,710.00	6.8	=	0.44	0.36	=	1.40	0.3	J	29.70	0.55	J	0.14	0.06	=	3.60	1.6	=
IAAP97032	IAAP97032	692030	92538	12/19/06	0	0.5	8,560.00	12.3	=	0.66	0.66	U	3.70	0.55	J	114.00	1	J	0.57	0.11	=	9.10	3	=
IAAP97033	IAAP97033	692033	92519	12/19/06	0	0.5	1,560.00	6.6	=	0.35	0.35	U	1.30	0.29	J	8.90	0.54	J	0.37	0.059	=	8.00	8	U
IAAP97034	IAAP97034	692018	92535	12/20/06	0	0.5	13,800.00	9.1	=	0.66	0.49	=	3.20	0.4	=	230.00	0.73	=	0.73	0.081	=	7.40	2.2	=
IAAP97049	IAAP97049	691998	92245	12/19/06	0	0.5	11,300.00	8.2	=	0.80	0.44	=	6.80	0.36	J	183.00	0.66	J	0.70	0.073	=	7.10	2	=
IAAP98247	IAAP98247	691977	92312	12/19/06	0	0.5	10,800.00	8.6	=	1.10	0.46	=	6.00	0.38	J	162.00	0.69	J	0.63	0.076	=	8.60	2.1	=
IAAP98256	IAAP98256	691757	92280	12/20/06	0	0.5	14,300.00	8	=	1.10	0.43	=	10.50	0.36	=	277.00	0.65	=	0.79	0.072	=	8.20	1.9	=
IAAP98257	IAAP98257	691780	92253	12/20/06	0	0.5	12,000.00	7.9	=	0.98	0.42	=	7.30	0.35	=	142.00	0.63	=	0.67	0.07	=	8.40	1.9	=
IAAP98259	IAAP98259	691921	92623	12/19/06	0	0.5	3,430.00	35	=	23.60	3.7	=	7.50	1.6	J	65.90	2.8	J	0.31	0.31	U	24.70	8.5	=
IAAP98260	IAAP98260	691719	92537	12/18/06	0	0.5	8,670.00	7.5	=	0.57	0.4	=	7.50	0.33	=	267.00	0.61	=	0.66	0.067	=			
IAAP98261	IAAP98261	691626	92692	12/18/06	0	0.5	9,900.00	7.6	=	0.82	0.82	UJ	6.80	0.34	=	157.00	0.62	=	0.60	0.068	=			
IAAP98262	IAAP98262	691633	92751	12/18/06	0	0.5	7,940.00	8.5	=	0.45	0.45	U	3.40	0.37	=	568.00	0.68	=	0.69	0.075	=			
IAAP98263	IAAP98263	691582	92869	12/18/06	0	0.5	10,700.00	23.5	=	22.50	1.3	=	7.10	1	=	<i>16,600.00</i>	3.8	J	0.74	0.21	=			
IAAP98264	IAAP98264	691518	93097	12/18/06	0	0.5	11,300.00	10.1	=	0.54	0.54	U	5.50	0.45	=	153.00	0.81	=	0.68	0.09	=			
IAAP98273	IAAP98273	692131	92072.7	12/19/06	0	0.5	12,100.00	8	=	0.52	0.43	=	6.50	0.36	J	174.00	0.65	J	0.67	0.071	=	6.00	1.9	=
IAAP98274	IAAP98274	691733.32	93424.71	12/20/06	0	0.5	2,250.00	6.9	=	0.39	0.37	=	2.60	0.3	=	30.30	0.55	=	0.22	0.061	=	9.90	9.9	U
IAAP99927	IAAP99927	691811.29	92488.02	04/16/07	0	0.5	4,740.00	7.9	=	3.70	0.42	=	13.40	0.35	J	87.20	0.64	J	0.38	0.07	=			
IAAP99928	IAAP99928	691809.48	92485.81	04/16/07	0	0.5	2,530.00	7.1	=	0.38	0.38	U	3.10	0.31	J	29.50	0.57	J	0.24	0.063	=			

Table B-1-6. FUSRAP Post-Excavation Soil Characterization Data Remaining for Metals at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	Aluminum			Antimony			Arsenic			Barium			Beryllium			Boron		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^b :							---	---	---	816	---	---	30	---	---	---	---	---	5	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^b :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^c:							1,100,000	---	---	470	---	---	300	---	---	220,000	---	---	2,300	---	---	230,000	---	---
<i>Eco CC^d:</i>							---	---	---	<i>1,161</i>	---	---	<i>156</i>	---	---	<i>2,520</i>	---	---	---	---	---	---	---	---
IAAP99929	IAAP99929	691815.02	92487.65	04/16/07	0	0.5	5,080.00	6.6	=	0.47	0.35	=	4.80	0.29	J	68.40	0.54	J	0.35	0.059	=			
IAAP99930	IAAP99930	691811.29	92492.77	04/16/07	0	0.5	1,080.00	6.6	=	1.80	1.8	U	2.00	1.5	J	14.50	2.7	J	0.29	0.29	U			
Maximum Reported Concentration (Detects and Non-Detects):							15,600.00	---	=	47.40	---	J	15.20	---	=	<i>16,600.00</i>	---	J	1.10	---	=	24.70	---	=
Maximum Detected Concentration:							15,600.00	---	=	47.40	---	J	15.20	---	=	<i>16,600.00</i>	---	J	1.10	---	=	24.70	---	=
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0):							---	---	---	0	---	---	0	---	---	---	---	---	0	---	---	---	---	---
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection):							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Number of Sample Results Greater than USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0):							0	---	---	0	---	---	0	---	---	0	---	---	0	---	---	0	---	---
Number of Sample Results Greater than Eco CC:							---	---	---	0	---	---	0	---	---	1	---	---	---	---	---	---	---	---

^a The IAAAP OU-1 ROD RG and RSL (USEPA 2017) for industrial soil are presented for chromium are for hexavalent chromium.

^b Gray-shaded concentrations exceed the corresponding IAAAP OU-1 ROD RGs protective of an industrial worker ingesting soil (Harza 1998).

^c Concentrations in **bold** exceed the corresponding RSLs (USEPA 2018a) protective of an industrial worker exposed to soil via ingestion, dermal contact, and dust inhalation.

^d Concentrations in *italics* exceed the corresponding Eco CCs calculated for Line 1.

Notes:

"---" Indicates that there is no comparison value available.

All results and comparison values are in mg/kg.

NA - Maximum detected result is not available because all results reported for the parameter are non-detect.

VQ symbols indicate: "=" positive identification, positive quantitation, no reason to estimate,

"U" non-detect, no reason to estimate, "J" positive identification, estimated quantitation,

"UJ" analyte was not detected and had QC deficiencies.

Table B-1-6. FUSRAP Post-Excavation Soil Characterization Data Remaining for Metals at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	Cadmium			Calcium			Chromium ^a			Cobalt			Copper			Iron		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^b :							1,000	---	---	---	---	---	10,000	---	---	---	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^b :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^c:							980	---	---	---	---	---	630	---	---	350	---	---	47,000	---	---	820,000	---	---
<i>Eco CC^d:</i>							<i>77.4</i>	---	---	---	---	---	---	---	---	<i>743</i>	---	---	<i>2,444.73</i>	---	---	---	---	---
IAAP100000	IAAP100000	691723.44	93385.79	03/28/07	0	0.5																		
IAAP100000	IAAP100001	691723.44	93385.79	03/28/07	0.5	1																		
IAAP100000	IAAP100112	691723.44	93385.79	03/28/07	1	1.5																		
IAAP100002	IAAP100002	691726.92	93376.03	03/28/07	0	0.5																		
IAAP100002	IAAP100003	691726.92	93376.03	03/28/07	0.5	1																		
IAAP100002	IAAP100113	691726.92	93376.03	03/28/07	1	1.5																		
IAAP100004	IAAP100004	691732.81	93366.73	03/28/07	0	0.5																		
IAAP100004	IAAP100005	691732.81	93366.73	03/28/07	0.5	1																		
IAAP100004	IAAP100114	691732.81	93366.73	03/28/07	1	1.5																		
IAAP100006	IAAP100006	691735.81	93358.42	03/28/07	0	0.5																		
IAAP100006	IAAP100007	691735.81	93358.42	03/28/07	0.5	1																		
IAAP100006	IAAP100115	691735.81	93358.42	03/28/07	1	1.5																		
IAAP100008	IAAP100008	691739.66	93346.54	03/28/07	0	0.5																		
IAAP100008	IAAP100009	691739.66	93346.54	03/28/07	0.5	1																		
IAAP100008	IAAP100116	691739.66	93346.54	03/28/07	1	1.5																		
IAAP100031	IAAP100031	691727.31	93292.52	03/29/07	0	0.5																		
IAAP100034	IAAP100034	691728.18	93296.62	03/29/07	0	0.5																		
IAAP100046	IAAP100046	691996.61	93031.05	03/23/07	0	0.5	0.27	0.17	=	6,900.00	11	=	16.40	0.46	=	7.30	0.65	=	59.00	0.39	=	18,900.00	3.1	=
IAAP100048	IAAP100048	691996.18	93025.73	03/23/07	0	0.5	0.29	0.18	=	5,190.00	11.1	=	18.60	0.46	=	9.10	0.65	=	23.40	0.39	=	18,700.00	3.1	=
IAAP100051	IAAP100051	691943.22	92732.92	04/16/07	0	0.5																		
IAAP100051	IAAP100052	691943.22	92732.92	04/16/07	1	2																		
IAAP100057	IAAP100057	691587.61	92871.04	04/12/07	0	0.5							1,440.00	1.8	=									
IAAP100058	IAAP100058	691571.87	92865.95	04/12/07	0	0.5							16.50	0.49	=									
IAAP100059	IAAP100059	691922.71	92626.5	04/15/07	0	0.5							7,510.00	0.49	=									
IAAP100060	IAAP100060	691917.77	92621.56	04/15/07	0	0.5							476.00	0.45	=									
IAAP100061	IAAP100061	691921.19	92615.5	04/15/07	0	0.5							22.30	0.45	=									
IAAP100062	IAAP100062	691693.75	92886.11	04/12/07	0	0.5							76.50	0.47	=									
IAAP100063	IAAP100063	691696.5	92877.2	04/12/07	0	0.5							149.00	0.5	=									
IAAP100064	IAAP100064	691689.05	92879.37	04/12/07	0	0.5							20.00	0.48	=									
IAAP100066	IAAP100066	691749.63	92654.13	04/12/07	0	0.5																		
IAAP100068	IAAP100068	691682.18	92883.19	04/12/07	0	0.5																		
IAAP100070	IAAP100070	691851.03	92973.78	04/12/07	0	0.5																		
IAAP100071	IAAP100071	691694.48	92747.08	04/11/07	0	0.5																		
IAAP100087	IAAP100087	691886.05	92824.82	04/16/07	0	0.5																		

Table B-1-6. FUSRAP Post-Excavation Soil Characterization Data Remaining for Metals at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	Cadmium			Calcium			Chromium ^a			Cobalt			Copper			Iron			
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^b :							1,000	---	---	---	---	---	10,000	---	---	---	---	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^b :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^c :							980	---	---	---	---	---	630	---	---	350	---	---	47,000	---	---	820,000	---	---	---
<i>Eco CC^d</i> :							77.4	---	---	---	---	---	---	---	---	743	---	---	2,444.73	---	---	---	---	---	---
IAAP103900	IAAP103900	691723.57	93391.67	05/29/07	0	0.5																			
IAAP103900	IAAP103901	691723.57	93391.67	05/29/07	0.5	1																			
IAAP103900	IAAP103902	691723.57	93391.67	05/29/07	1	1.5																			
IAAP103900	IAAP103903	691723.57	93391.67	05/29/07	1.5	2																			
IAAP103904	IAAP103904	691713.05	93388.24	05/29/07	0	0.5																			
IAAP103904	IAAP103905	691713.05	93388.24	05/29/07	0.5	1																			
IAAP103904	IAAP103906	691713.05	93388.24	05/29/07	1	1.5																			
IAAP103904	IAAP103907	691713.05	93388.24	05/29/07	1.5	2																			
IAAP103919	IAAP103919	692010.7	92873.76	05/30/07	0	0.5																			
IAAP103932	IAAP103932	691887.23	92819.77	06/05/07	0	0.5																			
IAAP103957	IAAP103957	691806.11	92492.32	05/31/07	0	0.5	0.36	0.17	=	61,500.00	10.6	=	10.00	0.45	J	9.60	0.63	=	8.90	0.38	J	10,900.00	3	=	
IAAP103958	IAAP103958	691801.39	92494.82	05/31/07	0	0.5	0.23	0.17	=	3,960.00	10.5	=	13.30	0.44	J	6.00	0.62	=	13.10	0.37	J	15,000.00	3	=	
IAAP103959	IAAP103959	691802	92486.1	05/31/07	0	0.5	0.17	0.17	U	21,500.00	21.8	=	14.00	0.46	J	5.80	0.64	=	12.60	0.39	J	14,500.00	3.1	=	
IAAP111608	IAAP111608	691729.54	93383.8	09/25/08	0	0.5	0.68	0.68	U				13.90	13.9	U	7.20	7.2	U	18.40	2.2	=				
IAAP111627	IAAP111628	691996.16	93028.25	09/24/08	1	2	0.51	0.51	U				17.40	0.73	J	11.40	0.7	=	17.00	0.95	=				
IAAP111631	IAAP111631	692000.12	93025.48	09/24/08	0	0.5	0.68	0.68	U				12.90	0.73	J	5.90	0.71	=	14.90	0.96	=				
IAAP111633	IAAP111633	691947.6	92731.29	09/23/08	0	1	0.56	0.56	U				22.40	0.73	J	8.60	0.7	=	18.70	0.95	=				
IAAP111634	IAAP111634	691942.06	92729.45	09/23/08	0	1	0.39	0.39	U				37.50	0.72	J	9.60	0.69	=	21.30	0.94	=				
IAAP111635	IAAP111635	691936.94	92730.22	09/23/08	0	1	0.49	0.49	U				18.90	0.73	J	13.30	0.7	=	18.40	0.95	=				
IAAP111652	IAAP111652	691848.62	92980.16	09/24/08	0	1	0.75	0.75	U				30.60	0.73	J	7.80	0.71	=	20.60	0.95	=				
IAAP136603	IAAP100047	691990.48	93027.37	03/23/07	0	0.5	0.51	0.16	=	3,700.00	10.3	=	16.10	0.43	=	14.10	0.61	=	16.60	0.37	=	15,400.00	2.9	=	
IAAP96925	IAAP96925	692027	92844.46	10/26/06	0	0.5	0.31	0.19	=	10,600.00	12	=	16.70	0.5	=	6.30	0.7	=	18.40	0.42	=	17,500.00	3.4	=	
IAAP96926	IAAP96926	692014.91	92844.8	10/26/06	0	0.5	0.42	0.19	=	6,440.00	12	=	19.40	0.5	=	7.60	0.7	=	22.70	0.42	=	13,900.00	3.4	=	
IAAP96927	IAAP96927	691998.35	92979.48	10/26/06	0	0.5	0.61	0.2	=	6,770.00	12.7	=	16.80	0.53	=	11.70	0.74	=	31.40	0.45	=	19,000.00	3.6	=	
IAAP96928	IAAP96928	691998.35	92979.48	10/26/06	0	0.5	0.19	0.19	U	4,930.00	11.8	=	20.40	0.49	=	5.70	0.7	=	15.50	0.42	=	21,400.00	3.3	=	
IAAP96929	IAAP96929	691966.49	92969.51	10/26/06	0	0.5	0.31	0.19	=	4,500.00	11.7	=	22.00	0.49	=	28.60	0.69	=	18.70	0.41	=	24,300.00	3.3	=	
IAAP96935	IAAP96935	691894.02	93328.08	11/15/06	0	0.5	0.76	0.76	U	180,000.00	48.2	J	5.20	2	=	4.30	2.8	=	14.70	1.7	=	7,950.00	13.6	J	
IAAP96936	IAAP96936	COMPOSITE	COMPOSITE	11/15/06	0	0.5	0.23	0.18	=	31,800.00	11.4	J	18.30	0.48	=	11.60	0.67	=	16.10	0.4	=	21,000.00	3.2	J	
IAAP96937	IAAP96937	COMPOSITE	COMPOSITE	11/13/06	0	0.5	3.00	0.75	=	141,000.00	47.3	J	9.80	2	=	5.00	2.8	=	10.30	1.7	=	9,040.00	13.4	J	
IAAP96938	IAAP96938	691840.29	93270.4	11/13/06	0	0.5	1.50	0.18	=	11,700.00	11.3	J	15.40	0.47	=	12.20	0.67	=	12.70	0.4	=	14,200.00	3.2	J	
IAAP96939	IAAP96939	691831.83	93298.23	11/13/06	0	0.5	0.74	0.74	U	227,000.00	46.7	=	3.70	2	J	4.40	2.7	=	4.20	1.7	=	6,750.00	13.2	J	
IAAP96940	IAAP96940	691832.3	93342.32	11/13/06	0	0.5	1.60	0.76	=	155,000.00	48.2	J	92.40	2	=	5.10	2.8	=	26.30	1.7	=	8,390.00	13.6	J	
IAAP96941	IAAP96941	691814.66	93317.23	11/13/06	0	0.5	0.41	0.17	=	17,600.00	10.7	=	27.60	0.45	J	8.70	0.63	=	17.90	0.38	=	23,200.00	3	J	
IAAP96942	IAAP96942	691838.97	93244.84	11/13/06	0	0.5	0.30	0.17	=	4,570.00	10.6	J	22.70	0.45	=	14.40	0.63	=	18.50	0.38	=	28,200.00	3	J	

Table B-1-6. FUSRAP Post-Excavation Soil Characterization Data Remaining for Metals at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	Cadmium			Calcium			Chromium ^a			Cobalt			Copper			Iron		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^b :							1,000	---	---	---	---	---	10,000	---	---	---	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^b :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^c:							980	---	---	---	---	---	630	---	---	350	---	---	47,000	---	---	820,000	---	---
<i>Eco CC^d:</i>							<i>77.4</i>	---	---	---	---	---	---	---	---	<i>743</i>	---	---	<i>2,444.73</i>	---	---	---	---	---
IAAP96943	IAAP96943	691740.96	93451.82	11/14/06	0	0.5	0.34	0.32	=	92,900.00	20.2	=	10.00	0.84	J	4.50	1.2	=	12.30	0.71	=	11,400.00	5.7	J
IAAP96944	IAAP96944	691700	93430.63	11/14/06	0	0.5	0.33	0.33	U	45,600.00	21	=	16.40	0.88	J	6.40	1.2	=	15.90	0.74	=	17,800.00	5.9	J
IAAP96945	IAAP96945	691712.74	93499.75	11/14/06	0	0.5	0.31	0.19	=	43,500.00	11.9	=	26.10	0.5	J	13.30	0.7	=	31.60	0.42	=	21,100.00	3.4	J
IAAP96949	IAAP96949	692113.04	93092.9	11/15/06	0	0.5	0.33	0.17	=	10,400.00	10.6	J	21.50	0.44	=	11.70	0.62	=	17.30	0.38	=	21,100.00	3	J
IAAP96950	IAAP96950	COMPOSITE	COMPOSITE	11/15/06	0	0.5	0.21	0.17	=	15,800.00	10.9	J	11.80	0.46	=	13.30	0.64	=	11.90	0.39	=	15,200.00	3.1	J
IAAP96951	IAAP96951	COMPOSITE	COMPOSITE	11/15/06	0	0.5	0.23	0.17	=	12,000.00	10.6	J	15.10	0.44	=	7.60	0.62	=	21.20	0.37	=	17,200.00	3	J
IAAP96952	IAAP96952	692127.71	93042.61	11/15/06	0	0.5	0.69	0.69	U	285,000.00	43.9	J	2.50	1.8	=	3.20	2.6	=	3.20	1.6	=	6,700.00	12.4	J
IAAP96953	IAAP96953	692116.38	93011.84	11/15/06	0	0.5	0.21	0.16	=	11,300.00	10.3	J	14.30	0.43	=	19.10	0.61	=	17.10	0.37	=	19,900.00	2.9	J
IAAP96954	IAAP96954	692116.26	92981.47	11/15/06	0	0.5	0.22	0.15	=	36,000.00	9.7	J	11.40	0.4	=	5.60	0.57	=	13.90	0.34	=	15,400.00	2.7	J
IAAP96959	IAAP96959	COMPOSITE	COMPOSITE	11/14/06	0	0.5	0.16	0.16	U	8,250.00	10.2	=	17.10	0.43	J	8.90	0.6	=	13.20	0.36	=	20,200.00	2.9	J
IAAP96961	IAAP96961	COMPOSITE	COMPOSITE	11/13/06	0	0.5	0.17	0.17	U	3,920.00	10.6	J	16.60	0.44	=	6.20	0.62	=	11.30	0.37	=	19,100.00	3	J
IAAP96962	IAAP96962	COMPOSITE	COMPOSITE	11/13/06	0	0.5	0.17	0.17	U	4,810.00	10.4	J	15.40	0.44	=	8.60	0.61	=	13.00	0.37	=	19,800.00	2.9	J
IAAP96963	IAAP96963	COMPOSITE	COMPOSITE	11/13/06	0	0.5	1.20	0.16	=	39,000.00	9.8	=	13.80	0.41	J	5.20	0.58	=	15.70	0.35	=	14,800.00	2.8	J
IAAP96964	IAAP96964	691985.83	93063.1	11/13/06	0	0.5	0.68	0.17	=	16,900.00	10.5	J	18.50	0.44	=	5.90	0.62	=	68.40	0.37	=	15,500.00	3	J
IAAP96967	IAAP96967	691937	93039	11/13/06	0	0.5	1.40	0.71	=	118,000.00	45	J	12.00	1.9	=	2.70	2.7	U	28.50	1.6	=	6,200.00	12.7	J
IAAP96976	IAAP111609	COMPOSITE	COMPOSITE	09/25/08	1	2	0.38	0.38	U				14.20	14.2	U	5.70	5.7	U	18.80	0.99	=			
IAAP96976	IAAP96976	COMPOSITE	COMPOSITE	11/14/06	0	0.5	6.30	0.89	=	10,900.00	56.1	=	191.00	2.3	J	18.50	3.3	=	412.00	2	=	82,200.00	15.8	J
IAAP96977	IAAP96977	COMPOSITE	COMPOSITE	11/14/06	0	0.5	6.10	0.2	=	12,400.00	12.6	=	87.50	0.53	J	15.60	0.74	=	535.00	0.45	=	24,600.00	3.6	J
IAAP96979	IAAP96979	691795.01	93119.57	11/14/06	0	0.5	0.91	0.17	=	5,750.00	10.8	=	24.50	0.45	J	14.10	0.64	=	21.50	0.38	=	20,200.00	3.1	J
IAAP96980	IAAP96980	691808.87	93106.84	11/14/06	0	0.5	1.50	0.73	=	186,000.00	45.9	=	14.10	1.9	J	9.20	2.7	=	30.30	1.6	=	9,840.00	13	J
IAAP96988	IAAP96988	691954.34	92114.71	11/14/06	0	0.5	0.55	0.29	=	88,400.00	18.2	=	6.90	0.76	J	4.00	1.1	=	6.00	0.64	=	6,080.00	5.1	J
IAAP96989	IAAP96989	691876.63	92299.46	11/14/06	0	0.5	0.49	0.17	=	18,200.00	10.4	=	14.70	0.44	J	7.30	0.61	=	26.80	0.37	=	18,000.00	2.9	J
IAAP96992	IAAP96992	COMPOSITE	COMPOSITE	11/14/06	0	0.5	1.50	0.3	=	86,700.00	19	J	9.60	0.79	=	6.20	1.1	=	12.10	0.67	=	12,400.00	5.4	J
IAAP96994	IAAP96994	691857.33	92413.74	11/14/06	0	0.5	0.15	0.15	U	2,850.00	9.6	J	14.40	0.4	=	4.90	0.57	=	9.10	0.34	=	15,700.00	2.7	J
IAAP96996	IAAP96996	COMPOSITE	COMPOSITE	11/14/06	0	0.5	1.60	0.17	=	3,310.00	10.8	J	14.70	0.45	=	9.30	0.64	=	14.70	0.38	=	15,300.00	3.1	J
IAAP96997	IAAP96997	691844.39	92407.27	11/14/06	0	0.5	2.70	0.76	=	108,000.00	48	J	6.90	2	=	6.30	2.8	=	16.50	1.7	=	9,250.00	13.6	J
IAAP96998	IAAP96998	691728	93303	11/14/06	0	0.5	0.48	0.29	=	35,400.00	18.5	=	15.90	0.77	J	11.30	1.1	=	18.30	0.65	=	24,100.00	5.2	J
IAAP97000	IAAP97000	691786.4	93115.72	11/14/06	0	0.5	0.57	0.18	=	5,830.00	11.3	=	17.60	0.47	J	9.60	0.67	=	17.90	0.4	=	21,400.00	3.2	J
IAAP97001	IAAP97001	691872	93010	12/18/06	0	0.5	0.31	0.15	=	37,800.00	9.4	J	14.30	0.39	=	5.20	0.55	=	13.80	0.33	=	10,100.00	2.7	=
IAAP97002	IAAP97002	691884	93003	12/18/06	0	0.5	0.30	0.14	=	138,000.00	45.4	J	6.40	0.38	=	3.00	0.53	=	8.50	0.32	=	8,130.00	12.8	J
IAAP97003	IAAP97003	691888	92995	12/18/06	0	0.5	0.42	0.17	=	92,300.00	20.8	J	16.60	0.44	=	6.40	0.61	=	20.40	0.37	=	15,000.00	2.9	=
IAAP97008	IAAP97008	691894	92818	12/19/06	0	0.5	0.19	0.17	=	4,740.00	11	=	19.20	0.46	J	10.30	0.64	=	16.50	0.39	J	19,300.00	3.1	=
IAAP97009	IAAP97009	691903	92823	12/19/06	0	0.5	1.60	0.34	=	18,500.00	10.7	=	64.70	0.45	J	12.70	0.63	=	36.70	0.38	J	27,600.00	3	=
IAAP97010	IAAP97010	691891	92892	12/19/06	0	0.5	0.17	0.17	U	3,410.00	10.6	=	18.40	0.44	J	10.90	0.63	=	12.70	0.38	J	19,100.00	3	=

Table B-1-6. FUSRAP Post-Excavation Soil Characterization Data Remaining for Metals at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	Cadmium			Calcium			Chromium ^a			Cobalt			Copper			Iron		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^b :							1,000	---	---	---	---	---	10,000	---	---	---	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^b :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^c :							980	---	---	---	---	---	630	---	---	350	---	---	47,000	---	---	820,000	---	---
Eco CC ^d :							77.4	---	---	---	---	---	---	---	---	743	---	---	2,444.73	---	---	---	---	---
IAAP97011	IAAP97011	691900	92879	12/19/06	0	0.5	0.17	0.17	U	4,400.00	10.9	=	23.60	0.46	J	8.10	0.64	=	15.50	0.39	J	20,700.00	3.1	=
IAAP97012	IAAP97012	691889	92913	12/19/06	0	0.5	0.18	0.18	U	5,190.00	11.1	=	23.60	0.46	J	11.50	0.65	=	16.30	0.39	J	19,900.00	3.1	=
IAAP97013	IAAP97013	691813	92905	12/18/06	0	0.5	8.30	0.3	J	839,000.00	9.4	J	373.00	0.39	=	5.20	0.56	=	22.50	0.33	=	29,900.00	5.3	J
IAAP97016	IAAP97016	691683	92887	12/18/06	0	0.5	0.67	0.18	=	5,030.00	11.2	J	24.80	0.47	=	10.80	0.66	=	27.20	0.4	=	22,000.00	3.2	=
IAAP97017	IAAP97017	691680	92894	12/18/06	0	0.5	0.16	0.16	U	4,520.00	10.1	J	23.70	0.42	=	7.60	0.6	=	16.00	0.36	=	20,100.00	2.9	=
IAAP97018	IAAP97018	691694	92881	12/18/06	0	0.5	1.20	0.19	=	4,180.00	11.8	J	2,740.00	0.49	=	7.10	0.7	=	49.20	0.42	=	18,700.00	3.3	=
IAAP97019	IAAP97019	691689	92747	12/18/06	0	0.5	0.73	0.18	=	23,700.00	11.4	J	14.30	0.47	=	8.70	0.67	=	141.00	0.4	=	17,600.00	3.2	=
IAAP97020	IAAP97020	691695	92744	12/18/06	0	0.5	0.18	0.18	U	7,020.00	11.1	J	15.90	0.46	=	7.50	0.65	=	16.70	0.39	=	19,400.00	3.1	=
IAAP97021	IAAP97021	691719	92718	12/18/06	0	0.5	0.33	0.18	=	44,200.00	11.5	J	10.00	0.48	=	5.00	0.68	=	11.50	0.41	=	10,700.00	3.3	=
IAAP97022	IAAP97022	691753	92650	12/18/06	0	0.5	0.72	0.34	J	4,820.00	10.8	J	32.10	0.45	J	8.60	0.64	=	49.20	0.38	J	23,600.00	6.1	J
IAAP97023	IAAP97023	691750	92660	12/18/06	0	0.5	0.86	0.19	=	3,720.00	11.8	J	20.90	0.49	=	8.00	0.69	=	13.80	0.42	=	18,000.00	3.3	=
IAAP97024	IAAP97024	691745	92709	12/18/06	0	0.5	0.18	0.18	U	4,350.00	11.3	J	15.90	0.47	=	6.40	0.67	=	13.30	0.4	=	18,300.00	3.2	=
IAAP97030	IAAP97030	691973	92557	12/19/06	0	0.5	0.16	0.16	U	11,500.00	10.2	=	17.50	0.43	J	5.70	0.6	=	14.10	0.36	J	16,900.00	2.9	=
IAAP97031	IAAP97031	691979	92543	12/19/06	0	0.5	0.15	0.15	U	12,600.00	9.3	=	5.70	0.39	J	3.30	0.55	=	5.10	0.33	J	5,430.00	2.6	=
IAAP97032	IAAP97032	692030	92538	12/19/06	0	0.5	0.29	0.27	=	96,800.00	16.9	=	11.50	0.71	J	6.20	1	=	12.80	0.6	J	13,300.00	4.8	=
IAAP97033	IAAP97033	692033	92519	12/19/06	0	0.5	0.20	0.14	=	302,000.00	90.9	=	3.50	0.38	J	2.30	0.54	=	3.10	0.32	J	3,090.00	12.8	=
IAAP97034	IAAP97034	692018	92535	12/20/06	0	0.5	0.20	0.2	U	4,850.00	12.5	=	20.10	0.52	=	8.30	0.73	=	18.40	0.44	=	18,600.00	3.5	=
IAAP97049	IAAP97049	691998	92245	12/19/06	0	0.5	2.90	0.18	=	4,830.00	11.2	=	21.80	0.47	J	9.00	0.66	=	87.90	0.4	J	17,500.00	3.2	=
IAAP98247	IAAP98247	691977	92312	12/19/06	0	0.5	3.10	0.19	=	5,960.00	11.8	=	49.90	0.49	J	8.10	0.69	=	52.40	0.42	J	18,900.00	3.3	=
IAAP98256	IAAP98256	691757	92280	12/20/06	0	0.5	0.71	0.17	=	13,000.00	11	=	17.10	0.92	=	22.30	0.65	=	17.30	0.39	=	22,000.00	3.1	=
IAAP98257	IAAP98257	691780	92253	12/20/06	0	0.5	0.93	0.17	=	12,600.00	10.8	=	16.30	0.45	=	8.90	0.63	=	39.60	0.38	=	19,700.00	3	=
IAAP98259	IAAP98259	691921	92623	12/19/06	0	0.5	3.40	1.5	=	35,500.00	48	=	1,170.00	2	J	11.00	2.8	=	95.80	1.7	J	107,000.00	13.6	=
IAAP98260	IAAP98260	691719	92537	12/18/06	0	0.5	0.16	0.16	U	3,750.00	10.3	J	12.20	0.43	=	9.50	0.61	=	9.80	0.36	=	17,700.00	2.9	=
IAAP98261	IAAP98261	691626	92692	12/18/06	0	0.5	0.33	0.33	UJ	4,600.00	10.5	J	15.30	0.44	=	7.60	0.62	=	12.40	0.37	=	36,700.00	5.9	J
IAAP98262	IAAP98262	691633	92751	12/18/06	0	0.5	0.18	0.18	U	4,670.00	11.6	J	36.30	0.48	=	8.80	0.68	=	13.60	0.41	=	18,000.00	3.3	=
IAAP98263	IAAP98263	691582	92869	12/18/06	0	0.5	4.40	0.51	=	11,800.00	32.3	J	1,380.00	1.4	=	20.10	1.9	=	123.00	1.1	=	27,000.00	9.1	=
IAAP98264	IAAP98264	691518	93097	12/18/06	0	0.5	0.22	0.22	U	4,480.00	13.8	J	16.20	0.58	=	8.10	0.81	=	17.40	0.49	=	17,100.00	3.9	=
IAAP98273	IAAP98273	692131	92072.7	12/19/06	0	0.5	0.17	0.17	U	4,110.00	11	=	15.80	0.46	J	7.90	0.65	=	11.70	0.39	J	18,400.00	3.1	=
IAAP98274	IAAP98274	691733.32	93424.71	12/20/06	0	0.5	0.37	0.15	=	221,000.00	55.9	=	8.20	0.39	=	2.50	0.55	=	13.00	0.33	=	9,960.00	15.8	=
IAAP99927	IAAP99927	691811.29	92488.02	04/16/07	0	0.5	9.30	0.17	=	90,500.00	21.6	J	107.00	0.45	J	6.00	0.64	=	65.70	0.38	J	13,300.00	3.1	J
IAAP99928	IAAP99928	691809.48	92485.81	04/16/07	0	0.5	0.52	0.15	=	204,000.00	48.4	J	5.40	0.4	J	3.10	0.57	=	7.90	0.34	J	5,820.00	2.7	J

Table B-1-6. FUSRAP Post-Excavation Soil Characterization Data Remaining for Metals at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	Cadmium			Calcium			Chromium ^a			Cobalt			Copper			Iron		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^b :							1,000	---	---	---	---	---	10,000	---	---	---	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^b :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^c:							980	---	---	---	---	---	630	---	---	350	---	---	47,000	---	---	820,000	---	---
<i>Eco CC^d:</i>							<i>77.4</i>	---	---	---	---	---	---	---	---	<i>743</i>	---	---	<i>2,444.73</i>	---	---	---	---	---
IAAP99929	IAAP99929	691815.02	92487.65	04/16/07	0	0.5	2.60	0.14	=	72,200.00	18.2	J	30.50	0.38	J	6.00	0.54	=	30.80	0.32	J	9,450.00	2.6	J
IAAP99930	IAAP99930	691811.29	92492.77	04/16/07	0	0.5	0.71	0.71	U	204,000.00	45.1	J	3.70	1.9	J	2.70	2.7	U	4.20	1.6	J	3,780.00	2.6	J
Maximum Reported Concentration (Detects and Non-Detects):							9.30	---	=	839,000.00	---	J	7,510.00	---	=	28.60	---	=	535.00	---	=	107,000.00	=	---
Maximum Detected Concentration:							9.30	---	=	839,000.00	---	J	7,510.00	---	=	28.60	---	=	535.00	---	=	107,000.00	=	---
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0):							0	---	---	---	---	---	0	---	---	---	---	---	---	---	---	---	---	---
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection):							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Number of Sample Results Greater than USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0):							0	---	---	---	---	---	5	---	---	0	---	---	0	---	---	0	---	---
Number of Sample Results Greater than Eco CC:							0	---	---	---	---	---	---	---	---	0	---	---	0	---	---	---	---	---

^a The IAAAP OU-1 ROD RG and RSL (USEPA 2017) for industrial soil are presented for chromium are for hexavalent chromium.

^b Gray-shaded concentrations exceed the corresponding IAAAP OU-1 ROD RGs protective of an industrial worker ingesting soil (Harza 1998).

^c Concentrations in **bold** exceed the corresponding RSLs (USEPA 2018a) protective of an industrial worker exposed to soil via ingestion, dermal contact, and dust inhalation.

^d Concentrations in *italics* exceed the corresponding Eco CCs calculated for Line 1.

Notes:

"--" Indicates that there is no comparison value available.

All results and comparison values are in mg/kg.

NA - Maximum detected result is not available because all results reported for the parameter are non-detect.

VQ symbols indicate: "=" positive identification, positive quantitation, no reason to estimate,

"U" non-detect, no reason to estimate, "J" positive identification, estimated quantitation,

"UJ" analyte was not detected and had QC deficiencies.

Table B-1-6. FUSRAP Post-Excavation Soil Characterization Data Remaining for Metals at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	Lead			Lithium			Magnesium			Manganese			Mercury			Molybdenum		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^b :							1,000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^b :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^c:							800	---	---	2,300	---	---	---	---	---	26,000	---	---	46	---	---	5,800	---	---
<i>Eco CC^d:</i>							<i>11,706</i>	---	---	---	---	---	---	---	---	<i>21,987</i>	---	---	<i>1.86</i>	---	---	---	---	---
IAAP100000	IAAP100000	691723.44	93385.79	03/28/07	0	0.5	454.00	2	=															
IAAP100000	IAAP100001	691723.44	93385.79	03/28/07	0.5	1	148.00	2.1	=															
IAAP100000	IAAP100112	691723.44	93385.79	03/28/07	1	1.5	135.00	2	=															
IAAP100002	IAAP100002	691726.92	93376.03	03/28/07	0	0.5	742.00	2.3	=															
IAAP100002	IAAP100003	691726.92	93376.03	03/28/07	0.5	1	111.00	2.3	=															
IAAP100002	IAAP100113	691726.92	93376.03	03/28/07	1	1.5	37.40	2.4	=															
IAAP100004	IAAP100004	691732.81	93366.73	03/28/07	0	0.5	245.00	2.2	=															
IAAP100004	IAAP100005	691732.81	93366.73	03/28/07	0.5	1	67.70	2.2	=															
IAAP100004	IAAP100114	691732.81	93366.73	03/28/07	1	1.5	21.80	2	=															
IAAP100006	IAAP100006	691735.81	93358.42	03/28/07	0	0.5	130.00	2.2	=															
IAAP100006	IAAP100007	691735.81	93358.42	03/28/07	0.5	1	22.00	2.1	=															
IAAP100006	IAAP100115	691735.81	93358.42	03/28/07	1	1.5	47.70	2.2	=															
IAAP100008	IAAP100008	691739.66	93346.54	03/28/07	0	0.5	197.00	2.2	=															
IAAP100008	IAAP100009	691739.66	93346.54	03/28/07	0.5	1	92.00	2.2	=															
IAAP100008	IAAP100116	691739.66	93346.54	03/28/07	1	1.5	22.60	2.3	=															
IAAP100031	IAAP100031	691727.31	93292.52	03/29/07	0	0.5	290.00	2.1	=															
IAAP100034	IAAP100034	691728.18	93296.62	03/29/07	0	0.5	291.00	2.2	=															
IAAP100046	IAAP100046	691996.61	93031.05	03/23/07	0	0.5	22.70	0.19	=			3,420.00	15.7	=	507.00	0.13	=	0.03	0.0086	=				
IAAP100048	IAAP100048	691996.18	93025.73	03/23/07	0	0.5	26.20	0.2	=			2,910.00	15.8	=	727.00	0.13	=	0.04	0.0087	=				
IAAP100051	IAAP100051	691943.22	92732.92	04/16/07	0	0.5																		
IAAP100051	IAAP100052	691943.22	92732.92	04/16/07	1	2																		
IAAP100057	IAAP100057	691587.61	92871.04	04/12/07	0	0.5																		
IAAP100058	IAAP100058	691571.87	92865.95	04/12/07	0	0.5																		
IAAP100059	IAAP100059	691922.71	92626.5	04/15/07	0	0.5																		
IAAP100060	IAAP100060	691917.77	92621.56	04/15/07	0	0.5																		
IAAP100061	IAAP100061	691921.19	92615.5	04/15/07	0	0.5																		
IAAP100062	IAAP100062	691693.75	92886.11	04/12/07	0	0.5																		
IAAP100063	IAAP100063	691696.5	92877.2	04/12/07	0	0.5																		
IAAP100064	IAAP100064	691689.05	92879.37	04/12/07	0	0.5																		
IAAP100066	IAAP100066	691749.63	92654.13	04/12/07	0	0.5	23.60	0.2	=															
IAAP100068	IAAP100068	691682.18	92883.19	04/12/07	0	0.5	156.00	0.2	=															
IAAP100070	IAAP100070	691851.03	92973.78	04/12/07	0	0.5	39.20	0.18	=															
IAAP100071	IAAP100071	691694.48	92747.08	04/11/07	0	0.5	179.00	0.39	=															
IAAP100087	IAAP100087	691886.05	92824.82	04/16/07	0	0.5	169.00	0.1	=															

Table B-1-6. FUSRAP Post-Excavation Soil Characterization Data Remaining for Metals at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	Lead			Lithium			Magnesium			Manganese			Mercury			Molybdenum		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^b :							1,000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^b :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^c:							800	---	---	2,300	---	---	---	---	---	26,000	---	---	46	---	---	5,800	---	---
<i>Eco CC^d:</i>							<i>11,706</i>	---	---	---	---	---	---	---	---	<i>21,987</i>	---	---	<i>1.86</i>	---	---	---	---	---
IAAP103900	IAAP103900	691723.57	93391.67	05/29/07	0	0.5	98.40	0.83	J															
IAAP103900	IAAP103901	691723.57	93391.67	05/29/07	0.5	1	32.70	0.8	J															
IAAP103900	IAAP103902	691723.57	93391.67	05/29/07	1	1.5	18.80	0.19	J															
IAAP103900	IAAP103903	691723.57	93391.67	05/29/07	1.5	2	25.30	0.19	J															
IAAP103904	IAAP103904	691713.05	93388.24	05/29/07	0	0.5	55.80	0.17	J															
IAAP103904	IAAP103905	691713.05	93388.24	05/29/07	0.5	1	21.80	0.18	J															
IAAP103904	IAAP103906	691713.05	93388.24	05/29/07	1	1.5	12.70	0.18	J															
IAAP103904	IAAP103907	691713.05	93388.24	05/29/07	1.5	2	14.50	0.18	J															
IAAP103919	IAAP103919	692010.7	92873.76	05/30/07	0	0.5	52.50	0.18	J															
IAAP103932	IAAP103932	691887.23	92819.77	06/05/07	0	0.5	419.00	0.18	=															
IAAP103957	IAAP103957	691806.11	92492.32	05/31/07	0	0.5	16.80	0.19	J				3,320.00	15.2	=	787.00	0.13	=	0.05	0.0084	=			
IAAP103958	IAAP103958	691801.39	92494.82	05/31/07	0	0.5	23.70	0.19	J				1,800.00	15	=	528.00	0.12	=	0.05	0.0083	=			
IAAP103959	IAAP103959	691802	92486.1	05/31/07	0	0.5	18.90	0.19	J				2,410.00	15.5	=	385.00	0.13	=	0.05	0.0086	=			
IAAP111608	IAAP111608	691729.54	93383.8	09/25/08	0	0.5	66.70	0.96	J							426.00	0.86	=	0.04	0.013	=			
IAAP111627	IAAP111628	691996.16	93028.25	09/24/08	1	2	23.40	1	J							744.00	0.91	=	0.03	0.014	=			
IAAP111631	IAAP111631	692000.12	93025.48	09/24/08	0	0.5	45.70	0.41	J							630.00	0.37	=	0.05	0.014	=			
IAAP111633	IAAP111633	691947.6	92731.29	09/23/08	0	1	44.40	0.41	J							392.00	0.37	=	0.05	0.014	=			
IAAP111634	IAAP111634	691942.06	92729.45	09/23/08	0	1	16.90	0.4	J							584.00	0.36	=	0.03	0.013	=			
IAAP111635	IAAP111635	691936.94	92730.22	09/23/08	0	1	22.50	1	J							934.00	0.91	=	0.03	0.014	=			
IAAP111652	IAAP111652	691848.62	92980.16	09/24/08	0	1	362.00	0.41	J							581.00	0.37	=	0.05	0.014	=			
IAAP136603	IAAP100047	691990.48	93027.37	03/23/07	0	0.5	36.70	0.18	=				2,410.00	14.7	=	829.00	0.12	=	0.02	0.0081	=			
IAAP96925	IAAP96925	692027	92844.46	10/26/06	0	0.5	18.50	0.21	=				4,750.00	17.1	=	316.00	0.14	=	0.04	0.0094	=			
IAAP96926	IAAP96926	692014.91	92844.8	10/26/06	0	0.5	19.70	0.21	=				3,390.00	17.1	=	77.50	0.14	=	0.04	0.0094	=			
IAAP96927	IAAP96927	691998.35	92979.48	10/26/06	0	0.5	35.80	0.22	=				3,030.00	18.1	=	836.00	0.15	=	0.01	0.01	U			
IAAP96928	IAAP96928	691998.35	92979.48	10/26/06	0	0.5	13.20	0.21	=				3,320.00	16.9	=	608.00	0.14	=	0.04	0.0093	=			
IAAP96929	IAAP96929	691966.49	92969.51	10/26/06	0	0.5	37.50	0.21	=				3,420.00	16.7	=	1,110.00	0.14	=	0.04	0.0092	=			
IAAP96935	IAAP96935	691894.02	93328.08	11/15/06	0	0.5	12.00	0.85	=				12,100.00	68.8	=	547.00	0.57	J	0.03	0.0076	=			
IAAP96936	IAAP96936	COMPOSITE	COMPOSITE	11/15/06	0	0.5	33.50	0.2	=				4,360.00	16.3	=	680.00	0.13	J	0.05	0.009	=			
IAAP96937	IAAP96937	COMPOSITE	COMPOSITE	11/13/06	0	0.5	41.10	0.83	=				10,300.00	67.5	=	540.00	0.56	J	0.03	0.0074	=			
IAAP96938	IAAP96938	691840.29	93270.4	11/13/06	0	0.5	32.80	0.2	=				2,190.00	16.1	=	1,500.00	0.13	J	0.04	0.0089	=			
IAAP96939	IAAP96939	691831.83	93298.23	11/13/06	0	0.5	11.30	0.82	=				15,700.00	66.6	=	580.00	0.55	J	0.02	0.0073	=			
IAAP96940	IAAP96940	691832.3	93342.32	11/13/06	0	0.5	126.00	0.85	=				15,100.00	68.7	=	471.00	0.57	J	0.06	0.0076	=			
IAAP96941	IAAP96941	691814.66	93317.23	11/13/06	0	0.5	24.80	0.19	=				3,770.00	15.3	=	824.00	0.13	J	0.46	0.0084	=			
IAAP96942	IAAP96942	691838.97	93244.84	11/13/06	0	0.5	16.20	0.19	=				2,880.00	15.2	=	500.00	0.13	J	0.06	0.0084	=			

Table B-1-6. FUSRAP Post-Excavation Soil Characterization Data Remaining for Metals at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	Lead			Lithium			Magnesium			Manganese			Mercury			Molybdenum		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^b :							1,000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^b :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^c:							800	---	---	2,300	---	---	---	---	---	26,000	---	---	46	---	---	5,800	---	---
<i>Eco CC^d:</i>							<i>11,706</i>	---	---	---	---	---	---	---	---	<i>21,987</i>	---	---	<i>1.86</i>	---	---	---	---	---
IAAP96943	IAAP96943	691740.96	93451.82	11/14/06	0	0.5	23.80	0.36	=			9,350.00	28.8	=	502.00	0.24	J	0.14	0.0079	=				
IAAP96944	IAAP96944	691700	93430.63	11/14/06	0	0.5	14.50	0.37	=			3,010.00	30	=	377.00	0.25	J	0.05	0.0083	=				
IAAP96945	IAAP96945	691712.74	93499.75	11/14/06	0	0.5	38.40	0.21	=			13,800.00	17	=	542.00	0.14	J	0.98	0.0094	=				
IAAP96949	IAAP96949	692113.04	93092.9	11/15/06	0	0.5	37.40	0.19	J			5,630.00	15.1	=	831.00	0.13	J	0.03	0.0083	=				
IAAP96950	IAAP96950	COMPOSITE	COMPOSITE	11/15/06	0	0.5	19.90	0.19	=			3,470.00	15.5	=	1,200.00	0.13	J	0.03	0.0086	=				
IAAP96951	IAAP96951	COMPOSITE	COMPOSITE	11/15/06	0	0.5	15.60	0.19	=			3,520.00	15.1	=	668.00	0.12	J	0.03	0.0083	=				
IAAP96952	IAAP96952	692127.71	93042.61	11/15/06	0	0.5	2.70	0.77	=			2,100.00	62.6	=	605.00	0.52	J	0.02	0.0069	=				
IAAP96953	IAAP96953	692116.38	93011.84	11/15/06	0	0.5	24.00	0.18	=			2,650.00	14.7	=	1,080.00	0.12	J	0.03	0.0081	=				
IAAP96954	IAAP96954	692116.26	92981.47	11/15/06	0	0.5	12.80	0.17	=			3,400.00	13.8	=	535.00	0.11	J	0.04	0.0076	=				
IAAP96959	IAAP96959	COMPOSITE	COMPOSITE	11/14/06	0	0.5	12.00	0.18	=			3,030.00	14.6	=	696.00	0.12	J	0.02	0.008	=				
IAAP96961	IAAP96961	COMPOSITE	COMPOSITE	11/13/06	0	0.5	11.30	0.19	=			2,380.00	15.1	=	286.00	0.12	J	0.04	0.0083	=				
IAAP96962	IAAP96962	COMPOSITE	COMPOSITE	11/13/06	0	0.5	16.20	0.18	=			2,670.00	14.9	=	544.00	0.12	J	0.03	0.0082	=				
IAAP96963	IAAP96963	COMPOSITE	COMPOSITE	11/13/06	0	0.5	39.40	0.17	=			2,270.00	14	=	377.00	0.12	J	0.01	0.0077	U				
IAAP96964	IAAP96964	691985.83	93063.1	11/13/06	0	0.5	40.40	0.19	=			3,920.00	15	=	366.00	0.12	J	0.06	0.0083	=				
IAAP96967	IAAP96967	691937	93039	11/13/06	0	0.5	165.00	0.8	=			68,400.00	64.3	=	190.00	0.53	J	0.07	0.0071	=				
IAAP96976	IAAP111609	COMPOSITE	COMPOSITE	09/25/08	1	2	32.20	0.43	J						595.00	0.38	=	0.07	0.014	=				
IAAP96976	IAAP96976	COMPOSITE	COMPOSITE	11/14/06	0	0.5	1,450.00	0.99	=			3,730.00	80	=	973.00	0.66	J	0.30	0.0088	=				
IAAP96977	IAAP96977	COMPOSITE	COMPOSITE	11/14/06	0	0.5	790.00	0.22	=			3,950.00	18	=	367.00	0.15	J	1.80	0.0099	=				
IAAP96979	IAAP96979	691795.01	93119.57	11/14/06	0	0.5	58.30	0.19	=			3,500.00	15.5	=	1,030.00	0.13	J	0.20	0.0085	=				
IAAP96980	IAAP96980	691808.87	93106.84	11/14/06	0	0.5	137.00	0.81	=			5,820.00	65.5	=	652.00	0.54	J	0.06	0.0072	=				
IAAP96988	IAAP96988	691954.34	92114.71	11/14/06	0	0.5	26.40	0.32	=			39,600.00	26	=	481.00	0.21	J	0.01	0.0072	U				
IAAP96989	IAAP96989	691876.63	92299.46	11/14/06	0	0.5	29.10	0.18	=			3,160.00	14.9	=	699.00	0.12	J	0.02	0.0082	=				
IAAP96992	IAAP96992	COMPOSITE	COMPOSITE	11/14/06	0	0.5	42.50	0.34	=			8,270.00	27.1	=	679.00	0.22	J	0.02	0.0075	=				
IAAP96994	IAAP96994	691857.33	92413.74	11/14/06	0	0.5	13.40	0.17	=			2,010.00	13.7	=	212.00	0.11	J	0.02	0.0076	=				
IAAP96996	IAAP96996	COMPOSITE	COMPOSITE	11/14/06	0	0.5	30.80	0.19	=			2,380.00	15.4	=	688.00	0.13	J	0.04	0.0085	=				
IAAP96997	IAAP96997	691844.39	92407.27	11/14/06	0	0.5	35.60	0.85	=			11,000.00	68.5	=	563.00	0.57	J	0.01	0.0076	=				
IAAP96998	IAAP96998	691728	93303	11/14/06	0	0.5	31.50	0.33	=			3,870.00	26.4	=	714.00	0.22	J	0.04	0.0073	=				
IAAP97000	IAAP97000	691786.4	93115.72	11/14/06	0	0.5	57.50	0.2	=			2,900.00	16.2	=	698.00	0.13	J	0.19	0.0089	=				
IAAP97001	IAAP97001	691872	93010	12/18/06	0	0.5	68.90	0.17	=			5,090.00	13.4	=	389.00	0.11	=	0.24	0.0074	J				
IAAP97002	IAAP97002	691884	93003	12/18/06	0	0.5	55.60	0.16	=			25,400.00	12.9	=	716.00	0.11	=	0.11	0.0071	J				
IAAP97003	IAAP97003	691888	92995	12/18/06	0	0.5	64.60	0.18	=			10,600.00	14.9	=	691.00	0.12	=	0.13	0.0082	J				
IAAP97008	IAAP97008	691894	92818	12/19/06	0	0.5	26.20	0.19	J	7.80	1.7	=	2,320.00	15.6	=	861.00	0.13	=	0.05	0.0086	J	1.50	1.5	U
IAAP97009	IAAP97009	691903	92823	12/19/06	0	0.5	179.00	0.19	J	10.60	1.7	=	4,900.00	15.3	=	843.00	0.13	=	0.12	0.0084	J	3.10	1.5	=
IAAP97010	IAAP97010	691891	92892	12/19/06	0	0.5	37.80	0.19	J	7.40	1.7	=	2,560.00	15.2	=	1,180.00	0.13	=	0.01	0.0084	UJ	1.50	1.5	U

Table B-1-6. FUSRAP Post-Excavation Soil Characterization Data Remaining for Metals at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	Lead			Lithium			Magnesium			Manganese			Mercury			Molybdenum		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^b :							1,000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^b :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^c:							800	---	---	2,300	---	---	---	---	---	26,000	---	---	46	---	---	5,800	---	---
<i>Eco CC^d:</i>							<i>11,706</i>	---	---	---	---	---	---	---	---	<i>21,987</i>	---	---	<i>1.86</i>	---	---	---	---	---
IAAP97011	IAAP97011	691900	92879	12/19/06	0	0.5	41.40	0.19	J	8.60	1.7	=	3,060.00	15.6	=	574.00	0.13	=	0.01	0.0086	UJ	1.50	1.5	U
IAAP97012	IAAP97012	691889	92913	12/19/06	0	0.5	37.90	0.2	J	9.50	1.7	=	3,150.00	15.8	=	774.00	0.13	=	0.03	0.0087	J	1.50	1.5	U
IAAP97013	IAAP97013	691813	92905	12/18/06	0	0.5	217.00	0.33	J				15,600.00	13.5	=	665.00	0.22	J	0.04	0.0074	J			
IAAP97016	IAAP97016	691683	92887	12/18/06	0	0.5	81.00	0.2	=				2,730.00	16	=	640.00	0.13	=	0.05	0.0088	J			
IAAP97017	IAAP97017	691680	92894	12/18/06	0	0.5	29.10	0.18	=				3,130.00	14.4	=	427.00	0.12	=	0.03	0.008	J			
IAAP97018	IAAP97018	691694	92881	12/18/06	0	0.5	40.40	0.21	=				3,340.00	16.9	=	243.00	0.14	=	0.12	0.0093	J			
IAAP97019	IAAP97019	691689	92747	12/18/06	0	0.5	39.30	0.2	=				10,900.00	16.2	=	834.00	0.13	=	0.05	0.0089	J			
IAAP97020	IAAP97020	691695	92744	12/18/06	0	0.5	23.90	0.2	=				3,580.00	15.8	=	532.00	0.13	=	0.03	0.0087	J			
IAAP97021	IAAP97021	691719	92718	12/18/06	0	0.5	45.00	0.2	=				7,210.00	16.4	=	403.00	0.14	=	0.05	0.0091	J			
IAAP97022	IAAP97022	691753	92650	12/18/06	0	0.5	268.00	0.38	J				3,050.00	15.5	=	719.00	0.26	J	0.03	0.0085	J			
IAAP97023	IAAP97023	691750	92660	12/18/06	0	0.5	79.60	0.21	=				2,860.00	16.8	=	517.00	0.14	=	0.04	0.0093	J			
IAAP97024	IAAP97024	691745	92709	12/18/06	0	0.5	18.50	0.2	=				3,190.00	16.1	=	361.00	0.13	=	0.03	0.0089	J			
IAAP97030	IAAP97030	691973	92557	12/19/06	0	0.5	16.30	0.18	J	9.70	1.6	=	2,470.00	14.6	=	309.00	0.12	=	0.02	0.0081	J	1.40	1.4	U
IAAP97031	IAAP97031	691979	92543	12/19/06	0	0.5	7.00	0.16	J	1.90	1.5	=	1,770.00	13.2	=	187.00	0.11	=	0.01	0.0073	UJ	1.30	1.3	U
IAAP97032	IAAP97032	692030	92538	12/19/06	0	0.5	18.50	0.3	J	3.90	2.6	=	8,470.00	24.2	=	550.00	0.2	=	0.06	0.013	J	2.30	2.3	U
IAAP97033	IAAP97033	692033	92519	12/19/06	0	0.5	8.30	0.16	J	7.10	7.1	U	2,020.00	13	=	795.00	0.11	=	0.23	0.0071	J	1.20	1.2	U
IAAP97034	IAAP97034	692018	92535	12/20/06	0	0.5	14.30	0.22	=	10.20	1.9	=	4,220.00	17.8	=	533.00	0.15	=	0.03	0.0098	J	1.70	1.7	U
IAAP97049	IAAP97049	691998	92245	12/19/06	0	0.5	96.00	0.2	J	7.10	1.8	=	2,780.00	16	=	730.00	0.13	=	0.01	0.0088	J	1.50	1.5	U
IAAP98247	IAAP98247	691977	92312	12/19/06	0	0.5	338.00	0.21	J	7.30	1.8	=	2,930.00	16.8	=	566.00	0.14	=	0.08	0.0092	J	2.20	1.6	=
IAAP98256	IAAP98256	691757	92280	12/20/06	0	0.5	27.00	0.39	=	10.80	1.7	=	3,430.00	15.7	=	2,740.00	0.26	=	0.04	0.0087	J	1.50	1.5	U
IAAP98257	IAAP98257	691780	92253	12/20/06	0	0.5	50.30	0.19	=	10.00	1.7	=	3,720.00	15.4	=	352.00	0.13	=	0.04	0.0085	J	1.50	1.5	U
IAAP98259	IAAP98259	691921	92623	12/19/06	0	0.5	687.00	0.85	J	13.50	7.5	=	2,350.00	68.5	=	751.00	0.57	=	0.04	0.0076	J	6.60	6.6	U
IAAP98260	IAAP98260	691719	92537	12/18/06	0	0.5	11.70	0.18	=				2,350.00	14.7	=	507.00	0.12	=	0.01	0.0081	UJ			
IAAP98261	IAAP98261	691626	92692	12/18/06	0	0.5	17.10	0.37	J				2,640.00	14.9	=	1,190.00	0.25	J	0.04	0.0082	J			
IAAP98262	IAAP98262	691633	92751	12/18/06	0	0.5	11.30	0.21	=				2,340.00	16.5	=	212.00	0.14	=	0.02	0.0091	J			
IAAP98263	IAAP98263	691582	92869	12/18/06	0	0.5	129.00	0.57	=				5,350.00	46	=	188.00	0.38	=	0.50	0.025	J			
IAAP98264	IAAP98264	691518	93097	12/18/06	0	0.5	17.90	0.24	=				2,810.00	19.7	=	411.00	0.16	=	0.03	0.011	J			
IAAP98273	IAAP98273	692131	92072.7	12/19/06	0	0.5	15.40	0.19	J	8.50	1.7	=	2,480.00	15.7	=	563.00	0.13	=	0.04	0.0086	J	1.50	1.5	U
IAAP98274	IAAP98274	691733.32	93424.71	12/20/06	0	0.5	31.20	0.17	=	8.70	8.7	U	10,900.00	13.4	=	464.00	0.11	=	0.79	0.0074	J	1.30	1.3	U
IAAP99927	IAAP99927	691811.29	92488.02	04/16/07	0	0.5	679.00	0.19	J				6,550.00	15.4	J	540.00	0.13	J	1.30	0.0085	J			
IAAP99928	IAAP99928	691809.48	92485.81	04/16/07	0	0.5	18.40	0.17	J				10,100.00	13.8	J	524.00	0.11	J	0.03	0.0076	J			

Table B-1-6. FUSRAP Post-Excavation Soil Characterization Data Remaining for Metals at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	Lead			Lithium			Magnesium			Manganese			Mercury			Molybdenum			
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^b :							1,000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^b :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^c:							800	---	---	2,300	---	---	---	---	---	26,000	---	---	46	---	---	5,800	---	---	
<i>Eco CC^d:</i>							<i>11,706</i>	---	---	---	---	---	---	---	---	<i>21,987</i>	---	---	<i>1.86</i>	---	---	---	---	---	
IAAP99929	IAAP99929	691815.02	92487.65	04/16/07	0	0.5	153.00	0.16	J				3,780.00	13	J	514.00	0.11	J	2.50	0.014	J				
IAAP99930	IAAP99930	691811.29	92492.77	04/16/07	0	0.5	17.30	0.8	J				8,820.00	64.4	J	440.00	0.53	J	0.01	0.0071	J				
Maximum Reported Concentration (Detects and Non-Detects):							1,450.00	---	=	13.50	---	=	68,400.00	---	=	2,740.00	---	=	2.50	---	J	6.60	---	U	
Maximum Detected Concentration:							1,450.00	---	=	13.50	---	=	68,400.00	---	=	2,740.00	---	=	2.50	---	J	3.10	---	=	
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0):							1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection):							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Number of Sample Results Greater than USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0):							1	---	---	0	---	---	---	---	---	0	---	---	0	---	---	0	---	---	---
Number of Sample Results Greater than Eco CC:							0	---	---	---	---	---	---	---	---	0	---	---	1	---	---	---	---	---	---

^a The IAAAP OU-1 ROD RG and RSL (USEPA 2017) for industrial soil are presented for chromium are for hexavalent chromium.

^b Gray-shaded concentrations exceed the corresponding IAAAP OU-1 ROD RGs protective of an industrial worker ingesting soil (Harza 1998).

^c Concentrations in **bold** exceed the corresponding RSLs (USEPA 2018a) protective of an industrial worker exposed to soil via ingestion, dermal contact, and dust inhalation.

^d Concentrations in *italics* exceed the corresponding Eco CCs calculated for Line 1.

Notes:

"--" Indicates that there is no comparison value available.

All results and comparison values are in mg/kg.

NA - Maximum detected result is not available because all results reported for the parameter are non-detect.

VQ symbols indicate: "=" positive identification, positive quantitation, no reason to estimate,

"U" non-detect, no reason to estimate, "J" positive identification, estimated quantitation,

"UJ" analyte was not detected and had QC deficiencies.

Table B-1-6. FUSRAP Post-Excavation Soil Characterization Data Remaining for Metals at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	Nickel			Potassium			Selenium			Silver			Sodium			Strontium					
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ			
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^b :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^b :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^c:							22,000	---	---	---	---	---	5,800	---	---	5,800	---	---	---	---	---	---	700,000	---	---	---	
<i>Eco CC^d:</i>							<i>3,097</i>	---	---	---	---	---	<i>1.61</i>	---	---	<i>91.7</i>	---	---	---	---	---	---	---	---	---	---	
IAAP100000	IAAP100000	691723.44	93385.79	03/28/07	0	0.5																					
IAAP100000	IAAP100001	691723.44	93385.79	03/28/07	0.5	1																					
IAAP100000	IAAP100112	691723.44	93385.79	03/28/07	1	1.5																					
IAAP100002	IAAP100002	691726.92	93376.03	03/28/07	0	0.5																					
IAAP100002	IAAP100003	691726.92	93376.03	03/28/07	0.5	1																					
IAAP100002	IAAP100113	691726.92	93376.03	03/28/07	1	1.5																					
IAAP100004	IAAP100004	691732.81	93366.73	03/28/07	0	0.5																					
IAAP100004	IAAP100005	691732.81	93366.73	03/28/07	0.5	1																					
IAAP100004	IAAP100114	691732.81	93366.73	03/28/07	1	1.5																					
IAAP100006	IAAP100006	691735.81	93358.42	03/28/07	0	0.5																					
IAAP100006	IAAP100007	691735.81	93358.42	03/28/07	0.5	1																					
IAAP100006	IAAP100115	691735.81	93358.42	03/28/07	1	1.5																					
IAAP100008	IAAP100008	691739.66	93346.54	03/28/07	0	0.5																					
IAAP100008	IAAP100009	691739.66	93346.54	03/28/07	0.5	1																					
IAAP100008	IAAP100116	691739.66	93346.54	03/28/07	1	1.5																					
IAAP100031	IAAP100031	691727.31	93292.52	03/29/07	0	0.5																					
IAAP100034	IAAP100034	691728.18	93296.62	03/29/07	0	0.5																					
IAAP100046	IAAP100046	691996.61	93031.05	03/23/07	0	0.5	16.70	0.98	=	793.00	64.7	=	0.66	0.22	=	0.25	0.25	U	27.40	12.9	=						
IAAP100048	IAAP100048	691996.18	93025.73	03/23/07	0	0.5	16.70	0.99	=	1,220.00	65.3	=	0.70	0.23	=	0.26	0.26	U	26.60	13.1	=						
IAAP100051	IAAP100051	691943.22	92732.92	04/16/07	0	0.5																					
IAAP100051	IAAP100052	691943.22	92732.92	04/16/07	1	2																					
IAAP100057	IAAP100057	691587.61	92871.04	04/12/07	0	0.5																					
IAAP100058	IAAP100058	691571.87	92865.95	04/12/07	0	0.5																					
IAAP100059	IAAP100059	691922.71	92626.5	04/15/07	0	0.5																					
IAAP100060	IAAP100060	691917.77	92621.56	04/15/07	0	0.5																					
IAAP100061	IAAP100061	691921.19	92615.5	04/15/07	0	0.5																					
IAAP100062	IAAP100062	691693.75	92886.11	04/12/07	0	0.5																					
IAAP100063	IAAP100063	691696.5	92877.2	04/12/07	0	0.5																					
IAAP100064	IAAP100064	691689.05	92879.37	04/12/07	0	0.5																					
IAAP100066	IAAP100066	691749.63	92654.13	04/12/07	0	0.5																					
IAAP100068	IAAP100068	691682.18	92883.19	04/12/07	0	0.5																					
IAAP100070	IAAP100070	691851.03	92973.78	04/12/07	0	0.5																					
IAAP100071	IAAP100071	691694.48	92747.08	04/11/07	0	0.5																					
IAAP100087	IAAP100087	691886.05	92824.82	04/16/07	0	0.5																					

Table B-1-6. FUSRAP Post-Excavation Soil Characterization Data Remaining for Metals at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	Nickel			Potassium			Selenium			Silver			Sodium			Strontium					
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ			
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^b :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^b :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^c:							22,000	---	---	---	---	---	5,800	---	---	5,800	---	---	---	---	---	---	700,000	---	---	---	
<i>Eco CC^d:</i>							<i>3,097</i>	---	---	---	---	---	<i>1.61</i>	---	---	<i>91.7</i>	---	---	---	---	---	---	---	---	---	---	
IAAP103900	IAAP103900	691723.57	93391.67	05/29/07	0	0.5																					
IAAP103900	IAAP103901	691723.57	93391.67	05/29/07	0.5	1																					
IAAP103900	IAAP103902	691723.57	93391.67	05/29/07	1	1.5																					
IAAP103900	IAAP103903	691723.57	93391.67	05/29/07	1.5	2																					
IAAP103904	IAAP103904	691713.05	93388.24	05/29/07	0	0.5																					
IAAP103904	IAAP103905	691713.05	93388.24	05/29/07	0.5	1																					
IAAP103904	IAAP103906	691713.05	93388.24	05/29/07	1	1.5																					
IAAP103904	IAAP103907	691713.05	93388.24	05/29/07	1.5	2																					
IAAP103919	IAAP103919	692010.7	92873.76	05/30/07	0	0.5																					
IAAP103932	IAAP103932	691887.23	92819.77	06/05/07	0	0.5																					
IAAP103957	IAAP103957	691806.11	92492.32	05/31/07	0	0.5	14.70	0.94	=	790.00	62.6	=	0.26	0.22	J	0.24	0.24	UJ	30.30	12.5	=						
IAAP103958	IAAP103958	691801.39	92494.82	05/31/07	0	0.5	11.30	0.93	=	1,660.00	61.8	=	0.51	0.21	J	0.24	0.24	UJ	12.40	12.4	U						
IAAP103959	IAAP103959	691802	92486.1	05/31/07	0	0.5	12.10	0.97	=	1,140.00	64	=	0.22	0.22	UJ	0.25	0.25	UJ	15.60	12.8	=						
IAAP111608	IAAP111608	691729.54	93383.8	09/25/08	0	0.5	14.90	14.9	U				1.60	1.6	U	2.00	2	U									
IAAP111627	IAAP111628	691996.16	93028.25	09/24/08	1	2	24.30	0.53	=				1.70	1.7	U	0.87	0.87	U									
IAAP111631	IAAP111631	692000.12	93025.48	09/24/08	0	0.5	16.70	0.54	=				0.69	0.69	U	0.87	0.87	U									
IAAP111633	IAAP111633	691947.6	92731.29	09/23/08	0	1	20.00	0.53	=				0.68	0.68	U	0.86	0.86	U									
IAAP111634	IAAP111634	691942.06	92729.45	09/23/08	0	1	22.60	0.53	=				0.68	0.68	U	0.85	0.85	U									
IAAP111635	IAAP111635	691936.94	92730.22	09/23/08	0	1	27.80	0.53	=				1.70	1.7	U	0.87	0.87	U									
IAAP111652	IAAP111652	691848.62	92980.16	09/24/08	0	1	19.60	0.54	=				0.69	0.69	U	0.87	0.87	U									
IAAP136603	IAAP100047	691990.48	93027.37	03/23/07	0	0.5	21.20	0.91	=	1,050.00	60.6	=	0.22	0.21	=	0.24	0.24	U	19.80	12.1	=						
IAAP96925	IAAP96925	692027	92844.46	10/26/06	0	0.5	16.30	1.1	=	1,280.00	70.3	=	0.99	0.24	=	0.27	0.27	U	81.30	14.1	=						
IAAP96926	IAAP96926	692014.91	92844.8	10/26/06	0	0.5	17.70	1.1	=	859.00	70.3	=	1.50	0.24	=	0.27	0.27	U	68.40	14.1	=						
IAAP96927	IAAP96927	691998.35	92979.48	10/26/06	0	0.5	21.50	1.1	=	1,230.00	74.5	=	0.91	0.26	=	0.29	0.29	U	68.00	14.9	=						
IAAP96928	IAAP96928	691998.35	92979.48	10/26/06	0	0.5	15.60	1.1	=	1,730.00	69.5	=	0.85	0.24	=	0.27	0.27	U	26.70	13.9	=						
IAAP96929	IAAP96929	691966.49	92969.51	10/26/06	0	0.5	30.00	1	=	1,360.00	68.7	=	1.30	0.24	=	0.27	0.27	U	27.80	13.7	=						
IAAP96935	IAAP96935	691894.02	93328.08	11/15/06	0	0.5	14.10	4.3	=	428.00	284	=	0.98	0.98	U	1.10	1.1	UJ	69.20	56.8	=						
IAAP96936	IAAP96936	COMPOSITE	COMPOSITE	11/15/06	0	0.5	14.80	1	=	1,130.00	67.1	=	1.30	0.23	=	0.26	0.26	UJ	31.80	13.4	=						
IAAP96937	IAAP96937	COMPOSITE	COMPOSITE	11/13/06	0	0.5	15.30	4.2	=	278.00	278	U	0.96	0.96	U	1.10	1.1	UJ	55.60	55.6	U						
IAAP96938	IAAP96938	691840.29	93270.4	11/13/06	0	0.5	14.40	1	=	887.00	66.5	=	0.87	0.23	=	0.26	0.26	UJ	33.10	13.3	=						
IAAP96939	IAAP96939	691831.83	93298.23	11/13/06	0	0.5	16.90	4.1	=	274.00	274	U	0.94	0.94	U	1.10	1.1	U	82.30	54.9	=						
IAAP96940	IAAP96940	691832.3	93342.32	11/13/06	0	0.5	16.90	4.3	=	283.00	283	U	0.98	0.98	U	1.10	1.1	UJ	68.70	56.7	=						
IAAP96941	IAAP96941	691814.66	93317.23	11/13/06	0	0.5	21.20	0.95	=	1,340.00	63.1	=	0.79	0.22	=	0.25	0.25	U	18.80	12.6	=						
IAAP96942	IAAP96942	691838.97	93244.84	11/13/06	0	0.5	23.70	0.94	=	703.00	62.6	=	0.87	0.22	=	0.24	0.24	UJ	64.60	12.5	=						

Table B-1-6. FUSRAP Post-Excavation Soil Characterization Data Remaining for Metals at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	Nickel			Potassium			Selenium			Silver			Sodium			Strontium					
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ			
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^b :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^b :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^c:							22,000	---	---	---	---	---	5,800	---	---	5,800	---	---	---	---	---	---	700,000	---	---	---	
<i>Eco CC^d:</i>							<i>3,097</i>	---	---	---	---	---	<i>1.61</i>	---	---	<i>91.7</i>	---	---	---	---	---	---	---	---	---	---	
IAAP96943	IAAP96943	691740.96	93451.82	11/14/06	0	0.5	11.90	1.8	=	163.00	119	=	0.78	0.41	=	0.46	0.46	U	246.00	23.7	=						
IAAP96944	IAAP96944	691700	93430.63	11/14/06	0	0.5	16.20	1.9	=	1,260.00	124	=	0.51	0.43	=	0.48	0.48	U	67.60	24.7	=						
IAAP96945	IAAP96945	691712.74	93499.75	11/14/06	0	0.5	17.30	1.1	=	1,350.00	70	=	2.20	0.24	=	0.27	0.27	U	340.00	14	=						
IAAP96949	IAAP96949	692113.04	93092.9	11/15/06	0	0.5	21.00	0.94	=	1,240.00	62.3	=	1.00	0.22	=	0.24	0.24	UJ	47.70	12.5	=						
IAAP96950	IAAP96950	COMPOSITE	COMPOSITE	11/15/06	0	0.5	12.70	0.97	=	977.00	64	=	1.10	0.22	=	0.25	0.25	UJ	57.40	12.8	=						
IAAP96951	IAAP96951	COMPOSITE	COMPOSITE	11/15/06	0	0.5	15.60	0.94	=	1,140.00	62.1	=	0.71	0.21	=	0.24	0.24	UJ	33.20	12.4	=						
IAAP96952	IAAP96952	692127.71	93042.61	11/15/06	0	0.5	7.40	3.9	=	609.00	258	=	0.89	0.89	U	1.00	1	UJ	51.60	51.6	U						
IAAP96953	IAAP96953	692116.38	93011.84	11/15/06	0	0.5	26.80	0.92	=	1,010.00	60.8	=	0.96	0.21	=	0.24	0.24	UJ	21.00	12.2	=						
IAAP96954	IAAP96954	692116.26	92981.47	11/15/06	0	0.5	14.90	0.86	=	1,100.00	56.9	=	0.72	0.2	=	0.22	0.22	UJ	26.50	11.4	=						
IAAP96959	IAAP96959	COMPOSITE	COMPOSITE	11/14/06	0	0.5	17.20	0.91	=	1,160.00	60.2	=	0.87	0.21	=	0.24	0.24	U	37.60	12	=						
IAAP96961	IAAP96961	COMPOSITE	COMPOSITE	11/13/06	0	0.5	13.40	0.94	=	746.00	62.2	=	0.64	0.21	=	0.24	0.24	UJ	12.40	12.4	U						
IAAP96962	IAAP96962	COMPOSITE	COMPOSITE	11/13/06	0	0.5	16.00	0.92	=	863.00	61.3	=	0.58	0.21	=	0.24	0.24	UJ	21.60	12.3	=						
IAAP96963	IAAP96963	COMPOSITE	COMPOSITE	11/13/06	0	0.5	13.40	0.87	=	918.00	57.8	=	0.85	0.2	=	0.23	0.23	U	21.50	11.6	=						
IAAP96964	IAAP96964	691985.83	93063.1	11/13/06	0	0.5	15.50	0.93	=	1,000.00	61.9	=	0.55	0.21	=	0.24	0.24	UJ	54.90	12.4	=						
IAAP96967	IAAP96967	691937	93039	11/13/06	0	0.5	4.90	4	=	291.00	265	=	0.91	0.91	U	1.00	1	UJ	53.00	53	U						
IAAP96976	IAAP111609	COMPOSITE	COMPOSITE	09/25/08	1	2	13.60	13.6	U				0.72	0.72	U	0.91	0.91	U									
IAAP96976	IAAP96976	COMPOSITE	COMPOSITE	11/14/06	0	0.5	67.70	5	=	705.00	330	=	2.70	1.1	=	1.30	1.3	U	433.00	65.9	=						
IAAP96977	IAAP96977	COMPOSITE	COMPOSITE	11/14/06	0	0.5	41.20	1.1	=	867.00	74.3	=	1.20	0.26	=	4.20	0.29	=	340.00	14.9	=						
IAAP96979	IAAP96979	691795.01	93119.57	11/14/06	0	0.5	35.90	0.96	=	1,420.00	63.8	=	0.62	0.22	=	0.25	0.25	U	75.10	12.8	=						
IAAP96980	IAAP96980	691808.87	93106.84	11/14/06	0	0.5	15.20	4.1	=	571.00	270	=	0.93	0.93	U	1.10	1.1	U	364.00	54	=						
IAAP96988	IAAP96988	691954.34	92114.71	11/14/06	0	0.5	13.60	1.6	=	295.00	107	=	0.39	0.37	=	0.42	0.42	U	87.20	21.4	=						
IAAP96989	IAAP96989	691876.63	92299.46	11/14/06	0	0.5	16.40	0.92	=	973.00	61.2	=	0.67	0.21	=	0.24	0.24	U	1,950.00	12.2	=						
IAAP96992	IAAP96992	COMPOSITE	COMPOSITE	11/14/06	0	0.5	14.40	1.7	=	851.00	112	=	0.56	0.39	=	0.44	0.44	UJ	31.60	22.4	=						
IAAP96994	IAAP96994	691857.33	92413.74	11/14/06	0	0.5	10.90	0.85	=	1,010.00	56.6	=	0.65	0.2	=	0.22	0.22	UJ	11.30	11.3	U						
IAAP96996	IAAP96996	COMPOSITE	COMPOSITE	11/14/06	0	0.5	16.00	0.96	=	1,100.00	63.6	=	0.66	0.22	=	0.25	0.25	UJ	34.30	12.7	=						
IAAP96997	IAAP96997	691844.39	92407.27	11/14/06	0	0.5	15.40	4.3	=	697.00	282	=	0.97	0.97	U	1.10	1.1	UJ	56.50	56.5	U						
IAAP96998	IAAP96998	691728	93303	11/14/06	0	0.5	19.50	1.6	=	959.00	109	=	0.77	0.37	=	0.42	0.42	U	59.50	21.8	=						
IAAP97000	IAAP97000	691786.4	93115.72	11/14/06	0	0.5	18.50	1	=	1,750.00	66.6	=	1.20	0.23	=	0.26	0.26	U	14.00	13.3	=						
IAAP97001	IAAP97001	691872	93010	12/18/06	0	0.5	14.00	0.83	=	440.00	55.2	=	0.29	0.19	=	0.22	0.22	U	37.70	11	=						
IAAP97002	IAAP97002	691884	93003	12/18/06	0	0.5	8.00	0.81	=	936.00	267	J	0.18	0.18	U	0.21	0.21	U	101.00	53.4	J						
IAAP97003	IAAP97003	691888	92995	12/18/06	0	0.5	14.70	0.92	=	1,140.00	61.2	=	0.30	0.21	=	0.24	0.24	U	64.90	12.3	=						
IAAP97008	IAAP97008	691894	92818	12/19/06	0	0.5	17.40	0.97	=	922.00	64.4	=	0.71	0.22	=	0.25	0.25	U	16.90	12.9	=	11.50	0.13	=			
IAAP97009	IAAP97009	691903	92823	12/19/06	0	0.5	31.10	0.95	=	1,610.00	62.9	=	0.55	0.43	=	0.25	0.25	U	27.10	12.6	=	21.80	0.13	=			
IAAP97010	IAAP97010	691891	92892	12/19/06	0	0.5	15.20	0.94	=	1,440.00	62.5	=	1.10	0.22	=	0.24	0.24	U	12.50	12.5	U	20.30	0.13	=			

Table B-1-6. FUSRAP Post-Excavation Soil Characterization Data Remaining for Metals at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	Nickel			Potassium			Selenium			Silver			Sodium			Strontium					
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ			
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^b :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^b :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^c:							22,000	---	---	---	---	---	5,800	---	---	5,800	---	---	---	---	---	---	700,000	---	---	---	
<i>Eco CC^d:</i>							<i>3,097</i>	---	---	---	---	---	<i>1.61</i>	---	---	<i>91.7</i>	---	---	---	---	---	---	---	---	---	---	
IAAP97011	IAAP97011	691900	92879	12/19/06	0	0.5	15.90	0.97	=	1,790.00	64.4	=	1.00	0.22	=	0.25	0.25	U	12.90	12.9	U	17.90	0.13	=			
IAAP97012	IAAP97012	691889	92913	12/19/06	0	0.5	19.10	0.98	=	1,590.00	65.1	=	0.54	0.22	=	0.25	0.25	U	14.00	13	=	15.60	0.13	=			
IAAP97013	IAAP97013	691813	92905	12/18/06	0	0.5	21.90	0.84	=	630.00	111	J	0.62	0.38	J	2.30	0.22	=	138.00	11.1	=						
IAAP97016	IAAP97016	691683	92887	12/18/06	0	0.5	20.10	1	=	1,210.00	66	=	0.58	0.23	=	0.26	0.26	U	13.20	13.2	U						
IAAP97017	IAAP97017	691680	92894	12/18/06	0	0.5	20.30	0.9	=	728.00	59.5	=	0.32	0.21	=	0.23	0.23	U	53.90	11.9	=						
IAAP97018	IAAP97018	691694	92881	12/18/06	0	0.5	21.90	1.1	=	769.00	69.5	=	1.30	0.24	=	0.27	0.27	U	38.40	13.9	=						
IAAP97019	IAAP97019	691689	92747	12/18/06	0	0.5	17.00	1	=	661.00	66.8	=	0.93	0.23	=	0.26	0.26	U	52.80	13.4	=						
IAAP97020	IAAP97020	691695	92744	12/18/06	0	0.5	18.90	0.98	=	1,040.00	65.1	=	0.27	0.22	=	0.25	0.25	U	16.50	13	=						
IAAP97021	IAAP97021	691719	92718	12/18/06	0	0.5	15.20	1	=	1,200.00	67.8	=	0.76	0.23	=	0.26	0.26	U	33.20	13.6	=						
IAAP97022	IAAP97022	691753	92650	12/18/06	0	0.5	18.30	0.96	=	1,220.00	63.7	=	0.85	0.44	J	0.25	0.25	UJ	26.50	12.7	=						
IAAP97023	IAAP97023	691750	92660	12/18/06	0	0.5	17.00	1.1	=	1,580.00	69.3	=	0.89	0.24	=	0.27	0.27	U	13.90	13.9	U						
IAAP97024	IAAP97024	691745	92709	12/18/06	0	0.5	17.10	1	=	1,090.00	66.5	=	0.79	0.23	=	0.26	0.26	U	17.20	13.3	=						
IAAP97030	IAAP97030	691973	92557	12/19/06	0	0.5	15.90	0.91	=	980.00	60.2	=	0.47	0.21	=	0.24	0.24	U	21.90	12	=	17.70	0.12	=			
IAAP97031	IAAP97031	691979	92543	12/19/06	0	0.5	7.30	0.82	=	705.00	54.5	=	0.27	0.19	=	0.21	0.21	U	11.70	10.9	=	10.70	0.11	=			
IAAP97032	IAAP97032	692030	92538	12/19/06	0	0.5	14.80	1.5	=	749.00	99.5	=	1.90	0.34	=	0.39	0.39	U	55.80	19.9	=	84.30	0.2	=			
IAAP97033	IAAP97033	692033	92519	12/19/06	0	0.5	6.90	0.81	=	492.00	267	=	0.18	0.18	U	0.21	0.21	U	53.50	53.5	U	282.00	0.11	=			
IAAP97034	IAAP97034	692018	92535	12/20/06	0	0.5	27.70	1.1	=	908.00	73.2	=	0.63	0.25	=	0.29	0.29	U	44.90	14.7	=	26.40	0.15	=			
IAAP97049	IAAP97049	691998	92245	12/19/06	0	0.5	16.40	0.99	=	2,130.00	65.8	=	0.86	0.23	=	0.26	0.26	U	13.20	13.2	U	16.10	0.13	=			
IAAP98247	IAAP98247	691977	92312	12/19/06	0	0.5	16.00	1	=	2,140.00	69.2	=	1.40	0.24	=	0.27	0.27	U	13.80	13.8	U	17.10	0.14	=			
IAAP98256	IAAP98256	691757	92280	12/20/06	0	0.5	25.90	0.98	=	953.00	64.8	=	1.10	0.45	=	0.25	0.25	U	53.80	13	=	18.70	0.13	=			
IAAP98257	IAAP98257	691780	92253	12/20/06	0	0.5	17.70	0.96	=	1,020.00	63.4	=	0.59	0.22	=	0.25	0.25	U	54.80	12.7	=	16.90	0.13	=			
IAAP98259	IAAP98259	691921	92623	12/19/06	0	0.5	39.20	4.3	=	283.00	283	U	1.90	1.9	U	1.10	1.1	U	56.50	56.5	U	33.90	0.57	=			
IAAP98260	IAAP98260	691719	92537	12/18/06	0	0.5	16.00	0.91	=	719.00	60.5	=	0.30	0.21	=	0.24	0.24	U	43.60	12.1	=						
IAAP98261	IAAP98261	691626	92692	12/18/06	0	0.5	15.80	0.93	=	1,030.00	61.6	=	1.40	0.42	J	0.24	0.24	U	22.20	12.3	=						
IAAP98262	IAAP98262	691633	92751	12/18/06	0	0.5	19.40	1	=	507.00	68.2	=	0.29	0.24	=	1.60	0.27	=	38.60	13.6	=						
IAAP98263	IAAP98263	691582	92869	12/18/06	0	0.5	22.40	2.9	=	413.00	190	=	4.30	0.65	=	0.74	0.74	U	48.70	38	=						
IAAP98264	IAAP98264	691518	93097	12/18/06	0	0.5	15.90	1.2	=	719.00	81.3	=	0.51	0.28	=	0.32	0.32	U	57.20	16.3	=						
IAAP98273	IAAP98273	692131	92072.7	12/19/06	0	0.5	15.10	0.98	=	804.00	64.7	=	0.55	0.22	=	0.25	0.25	U	37.20	12.9	=	15.30	0.13	=			
IAAP98274	IAAP98274	691733.32	93424.71	12/20/06	0	0.5	6.60	0.84	=	329.00	329	U	0.28	0.19	=	0.22	0.22	U	98.10	65.8	=	101.00	0.55	=			
IAAP99927	IAAP99927	691811.29	92488.02	04/16/07	0	0.5	14.40	0.96	=	805.00	63.7	=	0.29	0.22	=	0.25	0.25	U	186.00	12.7	=						
IAAP99928	IAAP99928	691809.48	92485.81	04/16/07	0	0.5	7.90	0.86	=	528.00	56.9	=	0.20	0.2	U	0.22	0.22	U	63.90	11.4	=						

Table B-1-6. FUSRAP Post-Excavation Soil Characterization Data Remaining for Metals at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	Nickel			Potassium			Selenium			Silver			Sodium			Strontium			
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^b :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^b :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^c:							22,000	---	---	---	---	---	5,800	---	---	5,800	---	---	---	---	---	---	700,000	---	---
<i>Eco CC^d:</i>							<i>3,097</i>	---	---	---	---	---	<i>1.61</i>	---	---	<i>91.7</i>	---	---	---	---	---	---	---	---	---
IAAP99929	IAAP99929	691815.02	92487.65	04/16/07	0	0.5	13.80	0.81	=	759.00	53.5	=	0.18	0.18	U	0.21	0.21	U	80.50	10.7	=				
IAAP99930	IAAP99930	691811.29	92492.77	04/16/07	0	0.5	4.10	4	=	499.00	53.1	=	0.91	0.91	U	1.00	1	U	38.20	10.6	=				
Maximum Reported Concentration (Detects and Non-Detects):							67.70	---	=	2,140.00	---	---	4.30	---	=	4.20	---	=	1,950.00	---	=	282.00	---	=	
Maximum Detected Concentration:							67.70	---	=	2,140.00	---	---	4.30	---	=	4.20	---	=	1,950.00	---	=	282.00	---	=	
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0):							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection):							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Number of Sample Results Greater than USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0):							0	---	---	---	---	---	0	---	---	0	---	---	---	---	---	---	0	---	---
Number of Sample Results Greater than Eco CC:							0	---	---	---	---	---	7	---	---	0	---	---	---	---	---	---	---	---	---

^a The IAAAP OU-1 ROD RG and RSL (USEPA 2017) for industrial soil are presented for chromium are for hexavalent chromium.

^b Gray-shaded concentrations exceed the corresponding IAAAP OU-1 ROD RGs protective of an industrial worker ingesting soil (Harza 1998).

^c Concentrations in **bold** exceed the corresponding RSLs (USEPA 2018a) protective of an industrial worker exposed to soil via ingestion, dermal contact, and dust inhalation.

^d Concentrations in *italics* exceed the corresponding Eco CCs calculated for Line 1.

Notes:

"--" Indicates that there is no comparison value available.

All results and comparison values are in mg/kg.

NA - Maximum detected result is not available because all results reported for the parameter are non-detect.

VQ symbols indicate: "=" positive identification, positive quantitation, no reason to estimate,

"U" non-detect, no reason to estimate, "J" positive identification, estimated quantitation,

"UJ" analyte was not detected and had QC deficiencies.

Table B-1-6. FUSRAP Post-Excavation Soil Characterization Data Remaining for Metals at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	Thallium			Uranium			Vanadium			Zinc		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^b :							143.00	---	---	---	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^b :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^c:							23	---	---	230	---	---	5,800	---	---	350,000	---	---
<i>Eco CC^d:</i>							<i>19.1</i>	---	---	---	---	---	<i>1,774</i>	---	---	---	---	---
IAAP100000	IAAP100000	691723.44	93385.79	03/28/07	0	0.5												
IAAP100000	IAAP100001	691723.44	93385.79	03/28/07	0.5	1												
IAAP100000	IAAP100112	691723.44	93385.79	03/28/07	1	1.5												
IAAP100002	IAAP100002	691726.92	93376.03	03/28/07	0	0.5												
IAAP100002	IAAP100003	691726.92	93376.03	03/28/07	0.5	1												
IAAP100002	IAAP100113	691726.92	93376.03	03/28/07	1	1.5												
IAAP100004	IAAP100004	691732.81	93366.73	03/28/07	0	0.5												
IAAP100004	IAAP100005	691732.81	93366.73	03/28/07	0.5	1												
IAAP100004	IAAP100114	691732.81	93366.73	03/28/07	1	1.5												
IAAP100006	IAAP100006	691735.81	93358.42	03/28/07	0	0.5												
IAAP100006	IAAP100007	691735.81	93358.42	03/28/07	0.5	1												
IAAP100006	IAAP100115	691735.81	93358.42	03/28/07	1	1.5												
IAAP100008	IAAP100008	691739.66	93346.54	03/28/07	0	0.5												
IAAP100008	IAAP100009	691739.66	93346.54	03/28/07	0.5	1												
IAAP100008	IAAP100116	691739.66	93346.54	03/28/07	1	1.5												
IAAP100031	IAAP100031	691727.31	93292.52	03/29/07	0	0.5												
IAAP100034	IAAP100034	691728.18	93296.62	03/29/07	0	0.5												
IAAP100046	IAAP100046	691996.61	93031.05	03/23/07	0	0.5	0.17	0.17	U			29.50	0.87	=	176.00	1.8	=	
IAAP100048	IAAP100048	691996.18	93025.73	03/23/07	0	0.5	0.18	0.18	U			34.20	0.88	=	98.70	1.8	=	
IAAP100051	IAAP100051	691943.22	92732.92	04/16/07	0	0.5												
IAAP100051	IAAP100052	691943.22	92732.92	04/16/07	1	2												
IAAP100057	IAAP100057	691587.61	92871.04	04/12/07	0	0.5												
IAAP100058	IAAP100058	691571.87	92865.95	04/12/07	0	0.5												
IAAP100059	IAAP100059	691922.71	92626.5	04/15/07	0	0.5												
IAAP100060	IAAP100060	691917.77	92621.56	04/15/07	0	0.5												
IAAP100061	IAAP100061	691921.19	92615.5	04/15/07	0	0.5												
IAAP100062	IAAP100062	691693.75	92886.11	04/12/07	0	0.5												
IAAP100063	IAAP100063	691696.5	92877.2	04/12/07	0	0.5												
IAAP100064	IAAP100064	691689.05	92879.37	04/12/07	0	0.5												
IAAP100066	IAAP100066	691749.63	92654.13	04/12/07	0	0.5												
IAAP100068	IAAP100068	691682.18	92883.19	04/12/07	0	0.5												
IAAP100070	IAAP100070	691851.03	92973.78	04/12/07	0	0.5												
IAAP100071	IAAP100071	691694.48	92747.08	04/11/07	0	0.5												
IAAP100087	IAAP100087	691886.05	92824.82	04/16/07	0	0.5												

Table B-1-6. FUSRAP Post-Excavation Soil Characterization Data Remaining for Metals at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	Thallium			Uranium			Vanadium			Zinc		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^b :							143.00	---	---	---	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^b :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^c:							23	---	---	230	---	---	5,800	---	---	350,000	---	---
<i>Eco CC^d:</i>							<i>19.1</i>	---	---	---	---	---	<i>1,774</i>	---	---	---	---	---
IAAP103900	IAAP103900	691723.57	93391.67	05/29/07	0	0.5												
IAAP103900	IAAP103901	691723.57	93391.67	05/29/07	0.5	1												
IAAP103900	IAAP103902	691723.57	93391.67	05/29/07	1	1.5												
IAAP103900	IAAP103903	691723.57	93391.67	05/29/07	1.5	2												
IAAP103904	IAAP103904	691713.05	93388.24	05/29/07	0	0.5												
IAAP103904	IAAP103905	691713.05	93388.24	05/29/07	0.5	1												
IAAP103904	IAAP103906	691713.05	93388.24	05/29/07	1	1.5												
IAAP103904	IAAP103907	691713.05	93388.24	05/29/07	1.5	2												
IAAP103919	IAAP103919	692010.7	92873.76	05/30/07	0	0.5												
IAAP103932	IAAP103932	691887.23	92819.77	06/05/07	0	0.5												
IAAP103957	IAAP103957	691806.11	92492.32	05/31/07	0	0.5	0.84	0.17	=			19.30	0.85	=	67.70	1.8	J	
IAAP103958	IAAP103958	691801.39	92494.82	05/31/07	0	0.5	0.70	0.17	=			25.90	0.83	=	128.00	1.7	J	
IAAP103959	IAAP103959	691802	92486.1	05/31/07	0	0.5	0.52	0.17	=			25.70	0.86	=	47.80	1.8	J	
IAAP111608	IAAP111608	691729.54	93383.8	09/25/08	0	0.5	1.60	1.6	U			23.40	1.9	=				
IAAP111627	IAAP111628	691996.16	93028.25	09/24/08	1	2	1.70	1.7	U			30.10	0.82	=				
IAAP111631	IAAP111631	692000.12	93025.48	09/24/08	0	0.5	0.68	0.68	U			22.10	0.83	=				
IAAP111633	IAAP111633	691947.6	92731.29	09/23/08	0	1	0.68	0.68	U			32.10	0.82	=				
IAAP111634	IAAP111634	691942.06	92729.45	09/23/08	0	1	0.67	0.67	U			31.10	0.81	=				
IAAP111635	IAAP111635	691936.94	92730.22	09/23/08	0	1	1.70	1.7	U			37.50	0.82	=				
IAAP111652	IAAP111652	691848.62	92980.16	09/24/08	0	1	0.68	0.68	U			28.30	0.82	=				
IAAP136603	IAAP100047	691990.48	93027.37	03/23/07	0	0.5	0.16	0.16	U			26.90	0.82	=	162.00	1.7	=	
IAAP96925	IAAP96925	692027	92844.46	10/26/06	0	0.5	2.40	0.19	=			26.70	0.95	=	220.00	2	=	
IAAP96926	IAAP96926	692014.91	92844.8	10/26/06	0	0.5	1.70	0.19	=			30.50	0.95	=	305.00	2	=	
IAAP96927	IAAP96927	691998.35	92979.48	10/26/06	0	0.5	2.50	0.2	=			29.50	1	=	239.00	2.1	=	
IAAP96928	IAAP96928	691998.35	92979.48	10/26/06	0	0.5	2.60	0.19	=			32.50	0.94	=	62.20	2	=	
IAAP96929	IAAP96929	691966.49	92969.51	10/26/06	0	0.5	3.40	0.18	=			42.10	0.93	=	56.10	1.9	=	
IAAP96935	IAAP96935	691894.02	93328.08	11/15/06	0	0.5	0.76	0.76	U			30.60	3.8	=	47.40	8	J	
IAAP96936	IAAP96936	COMPOSITE	COMPOSITE	11/15/06	0	0.5	0.25	0.18	=			34.40	0.91	=	212.00	1.9	J	
IAAP96937	IAAP96937	COMPOSITE	COMPOSITE	11/13/06	0	0.5	0.74	0.74	U			13.60	3.8	=	108.00	7.8	J	
IAAP96938	IAAP96938	691840.29	93270.4	11/13/06	0	0.5	0.21	0.18	=			29.10	0.9	=	80.10	1.9	J	
IAAP96939	IAAP96939	691831.83	93298.23	11/13/06	0	0.5	0.73	0.73	U			7.30	3.7	=	61.20	7.7	=	
IAAP96940	IAAP96940	691832.3	93342.32	11/13/06	0	0.5	0.76	0.76	U			5.50	3.8	=	276.00	7.9	J	
IAAP96941	IAAP96941	691814.66	93317.23	11/13/06	0	0.5	0.17	0.17	U			31.40	0.85	=	151.00	1.8	=	
IAAP96942	IAAP96942	691838.97	93244.84	11/13/06	0	0.5	0.47	0.17	=			52.50	0.85	=	54.60	1.8	J	

Table B-1-6. FUSRAP Post-Excavation Soil Characterization Data Remaining for Metals at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	Thallium			Uranium			Vanadium			Zinc		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^b :							143.00	---	---	---	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^b :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^c:							23	---	---	230	---	---	5,800	---	---	350,000	---	---
<i>Eco CC^d:</i>							<i>19.1</i>	---	---	---	---	---	<i>1,774</i>	---	---	---	---	---
IAAP96943	IAAP96943	691740.96	93451.82	11/14/06	0	0.5	0.32	0.32	U			16.20	1.6	=	62.70	3.3	=	
IAAP96944	IAAP96944	691700	93430.63	11/14/06	0	0.5	0.33	0.33	U			30.60	1.7	=	215.00	3.5	=	
IAAP96945	IAAP96945	691712.74	93499.75	11/14/06	0	0.5	0.30	0.19	=			27.90	0.95	=	134.00	2	=	
IAAP96949	IAAP96949	692113.04	93092.9	11/15/06	0	0.5	0.38	0.17	=			37.10	0.84	=	67.10	1.8	=	
IAAP96950	IAAP96950	COMPOSITE	COMPOSITE	11/15/06	0	0.5	0.17	0.17	U			28.10	0.86	=	46.80	1.8	J	
IAAP96951	IAAP96951	COMPOSITE	COMPOSITE	11/15/06	0	0.5	0.17	0.17	U			28.00	0.84	=	64.30	1.7	J	
IAAP96952	IAAP96952	692127.71	93042.61	11/15/06	0	0.5	0.69	0.69	U			5.50	3.5	=	15.10	7.2	J	
IAAP96953	IAAP96953	692116.38	93011.84	11/15/06	0	0.5	0.25	0.16	=			34.50	0.82	=	105.00	1.7	J	
IAAP96954	IAAP96954	692116.26	92981.47	11/15/06	0	0.5	0.15	0.15	U			23.30	0.77	=	69.70	1.6	J	
IAAP96959	IAAP96959	COMPOSITE	COMPOSITE	11/14/06	0	0.5	0.16	0.16	U			33.50	0.81	=	62.80	1.7	=	
IAAP96961	IAAP96961	COMPOSITE	COMPOSITE	11/13/06	0	0.5	0.49	0.17	=			30.20	0.84	=	47.10	1.7	J	
IAAP96962	IAAP96962	COMPOSITE	COMPOSITE	11/13/06	0	0.5	0.19	0.16	=			30.50	0.83	=	62.40	1.7	J	
IAAP96963	IAAP96963	COMPOSITE	COMPOSITE	11/13/06	0	0.5	0.16	0.16	U			25.10	0.78	=	52.50	1.6	=	
IAAP96964	IAAP96964	691985.83	93063.1	11/13/06	0	0.5	0.17	0.17	=			29.40	0.84	=	60.80	1.7	J	
IAAP96967	IAAP96967	691937	93039	11/13/06	0	0.5	0.71	0.71	U			8.50	3.6	=	76.40	7.4	J	
IAAP96976	IAAP111609	COMPOSITE	COMPOSITE	09/25/08	1	2	0.71	0.71	U			25.10	0.86	=				
IAAP96976	IAAP96976	COMPOSITE	COMPOSITE	11/14/06	0	0.5	1.40	0.88	=			34.70	4.5	=	1,830.00	9.2	=	
IAAP96977	IAAP96977	COMPOSITE	COMPOSITE	11/14/06	0	0.5	0.34	0.2	=			37.90	1	=	853.00	2.1	=	
IAAP96979	IAAP96979	691795.01	93119.57	11/14/06	0	0.5	0.43	0.17	=			36.60	0.86	=	102.00	1.8	=	
IAAP96980	IAAP96980	691808.87	93106.84	11/14/06	0	0.5	0.72	0.72	U			13.40	3.6	=	106.00	7.6	=	
IAAP96988	IAAP96988	691954.34	92114.71	11/14/06	0	0.5	0.29	0.29	U			9.10	1.4	=	245.00	3	=	
IAAP96989	IAAP96989	691876.63	92299.46	11/14/06	0	0.5	0.18	0.16	=			29.60	0.83	=	72.00	1.7	=	
IAAP96992	IAAP96992	COMPOSITE	COMPOSITE	11/14/06	0	0.5	0.30	0.3	U			18.40	1.5	=	74.10	3.1	J	
IAAP96994	IAAP96994	691857.33	92413.74	11/14/06	0	0.5	0.21	0.15	=			26.50	0.76	=	35.70	1.6	J	
IAAP96996	IAAP96996	COMPOSITE	COMPOSITE	11/14/06	0	0.5	0.19	0.17	=			27.20	0.86	=	76.80	1.8	J	
IAAP96997	IAAP96997	691844.39	92407.27	11/14/06	0	0.5	0.76	0.76	U			9.50	3.8	=	114.00	7.9	J	
IAAP96998	IAAP96998	691728	93303	11/14/06	0	0.5	0.29	0.29	U			30.90	1.5	=	61.70	3.1	=	
IAAP97000	IAAP97000	691786.4	93115.72	11/14/06	0	0.5	0.18	0.18	U			33.20	0.9	=	108.00	1.9	=	
IAAP97001	IAAP97001	691872	93010	12/18/06	0	0.5	0.18	0.15	=			15.70	0.74	=	64.30	1.5	=	
IAAP97002	IAAP97002	691884	93003	12/18/06	0	0.5	0.14	0.14	U			8.90	0.72	=	37.40	1.5	=	
IAAP97003	IAAP97003	691888	92995	12/18/06	0	0.5	0.35	0.16	=			18.70	0.83	=	87.70	1.7	=	
IAAP97008	IAAP97008	691894	92818	12/19/06	0	0.5	1.10	0.17	=	25.80	25.8	U	34.10	0.87	=	61.40	1.8	=
IAAP97009	IAAP97009	691903	92823	12/19/06	0	0.5	1.80	0.34	=	25.20	25.2	U	35.50	0.85	=	193.00	3.5	=
IAAP97010	IAAP97010	691891	92892	12/19/06	0	0.5	1.30	0.17	=	25.00	25	U	33.80	0.84	=	57.70	1.8	=

Table B-1-6. FUSRAP Post-Excavation Soil Characterization Data Remaining for Metals at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	Thallium			Uranium			Vanadium			Zinc		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^b :							143.00	---	---	---	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^b :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^c:							23	---	---	230	---	---	5,800	---	---	350,000	---	---
<i>Eco CC^d:</i>							<i>19.1</i>	---	---	---	---	---	<i>1,774</i>	---	---	---	---	---
IAAP97011	IAAP97011	691900	92879	12/19/06	0	0.5	1.40	0.17	=	25.70	25.7	U	35.90	0.87	=	61.40	1.8	=
IAAP97012	IAAP97012	691889	92913	12/19/06	0	0.5	0.85	0.17	=	26.10	26.1	U	32.20	0.88	=	60.00	1.8	=
IAAP97013	IAAP97013	691813	92905	12/18/06	0	0.5	1.50	0.3	J				8.00	0.75	=	210.00	3.1	J
IAAP97016	IAAP97016	691683	92887	12/18/06	0	0.5	0.88	0.18	=				28.50	0.89	=	102.00	1.9	=
IAAP97017	IAAP97017	691680	92894	12/18/06	0	0.5	1.30	0.16	=				28.40	0.8	=	56.50	1.7	=
IAAP97018	IAAP97018	691694	92881	12/18/06	0	0.5	1.20	0.19	=				29.10	0.94	=	614.00	2	=
IAAP97019	IAAP97019	691689	92747	12/18/06	0	0.5	0.63	0.18	=				27.70	0.9	=	179.00	1.9	=
IAAP97020	IAAP97020	691695	92744	12/18/06	0	0.5	0.67	0.17	=				28.80	0.88	=	62.60	1.8	=
IAAP97021	IAAP97021	691719	92718	12/18/06	0	0.5	0.39	0.18	=				15.40	0.92	=	74.00	1.9	=
IAAP97022	IAAP97022	691753	92650	12/18/06	0	0.5	1.30	0.34	J				34.60	0.86	=	134.00	3.6	J
IAAP97023	IAAP97023	691750	92660	12/18/06	0	0.5	1.10	0.19	=				30.10	0.94	=	63.60	1.9	=
IAAP97024	IAAP97024	691745	92709	12/18/06	0	0.5	0.68	0.18	=				28.10	0.9	=	51.60	1.9	=
IAAP97030	IAAP97030	691973	92557	12/19/06	0	0.5	0.39	0.16	=	24.10	24.1	U	27.70	0.81	=	42.80	1.7	=
IAAP97031	IAAP97031	691979	92543	12/19/06	0	0.5	0.15	0.15	U	21.80	21.8	U	8.60	0.74	=	29.50	1.5	=
IAAP97032	IAAP97032	692030	92538	12/19/06	0	0.5	0.77	0.27	=	39.80	39.8	U	20.70	1.3	=	50.50	2.8	=
IAAP97033	IAAP97033	692033	92519	12/19/06	0	0.5	0.14	0.14	U	21.40	21.4	U	3.50	0.72	=	11.40	1.5	=
IAAP97034	IAAP97034	692018	92535	12/20/06	0	0.5	1.30	0.2	=	29.30	29.3	U	27.80	0.99	=	60.00	2.1	=
IAAP97049	IAAP97049	691998	92245	12/19/06	0	0.5	0.65	0.18	=	26.30	26.3	U	28.80	0.89	=	113.00	1.8	=
IAAP98247	IAAP98247	691977	92312	12/19/06	0	0.5	0.86	0.19	=	27.70	27.7	U	26.20	0.93	=	134.00	1.9	=
IAAP98256	IAAP98256	691757	92280	12/20/06	0	0.5	1.50	0.35	=	25.90	25.9	U	34.50	0.88	=	89.30	1.8	=
IAAP98257	IAAP98257	691780	92253	12/20/06	0	0.5	0.83	0.17	=	25.40	25.4	U	30.10	0.86	=	127.00	1.8	=
IAAP98259	IAAP98259	691921	92623	12/19/06	0	0.5	10.60	1.5	=	113.00	113	U	14.20	3.8	=	269.00	15.8	=
IAAP98260	IAAP98260	691719	92537	12/18/06	0	0.5	0.52	0.16	=				20.10	0.82	=	61.70	1.7	=
IAAP98261	IAAP98261	691626	92692	12/18/06	0	0.5	1.80	0.33	J				26.00	0.83	=	125.00	3.5	J
IAAP98262	IAAP98262	691633	92751	12/18/06	0	0.5	1.20	0.18	=				21.60	0.92	=	127.00	1.9	=
IAAP98263	IAAP98263	691582	92869	12/18/06	0	0.5	1.50	0.51	=				29.20	2.6	=	1,280.00	5.3	=
IAAP98264	IAAP98264	691518	93097	12/18/06	0	0.5	0.90	0.22	=				28.10	1.1	=	83.00	2.3	=
IAAP98273	IAAP98273	692131	92072.7	12/19/06	0	0.5	1.10	0.17	=	25.90	25.9	U	27.50	0.87	=	43.40	1.8	=
IAAP98274	IAAP98274	691733.32	93424.71	12/20/06	0	0.5	0.21	0.15	=	22.10	22.1	U	7.40	0.75	=	61.80	1.6	=
IAAP99927	IAAP99927	691811.29	92488.02	04/16/07	0	0.5	0.17	0.17	U				13.60	0.86	=	406.00	1.8	J
IAAP99928	IAAP99928	691809.48	92485.81	04/16/07	0	0.5	0.15	0.15	U				8.60	0.77	=	38.20	1.6	J

Table B-1-6. FUSRAP Post-Excavation Soil Characterization Data Remaining for Metals at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	Thallium			Uranium			Vanadium			Zinc		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^b :							143.00	---	---	---	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^b :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^c:							23	---	---	230	---	---	5,800	---	---	350,000	---	---
<i>Eco CC^d:</i>							<i>19.1</i>	---	---	---	---	---	<i>1,774</i>	---	---	---	---	---
IAAP99929	IAAP99929	691815.02	92487.65	04/16/07	0	0.5	0.14	0.14	U			18.10	0.72	=	63.00	1.5	J	
IAAP99930	IAAP99930	691811.29	92492.77	04/16/07	0	0.5	0.97	0.71	=			4.90	3.6	=	40.40	7.4	J	
Maximum Reported Concentration (Detects and Non-Detects):							10.60	---	=	113.00	---	U	52.50	---	=	1,830.00	---	=
Maximum Detected Concentration:							10.60	---	=	NA	---	---	52.50	---	=	1,830.00	---	=
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0):							0	---	---	---	---	---	---	---	---	---	---	---
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection):							---	---	---	---	---	---	---	---	---	---	---	---
Number of Sample Results Greater than USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0):							0	---	---	0	---	---	0	---	---	0	---	---
Number of Sample Results Greater than Eco CC:							0	---	---	---	---	---	0	---	---	---	---	---

^a The IAAAP OU-1 ROD RG and RSL (USEPA 2017) for industrial soil are presented for chromium are for hexavalent chromium.

^b Gray-shaded concentrations exceed the corresponding IAAAP OU-1 ROD RGs protective of an industrial worker ingesting soil (Harza 1998).

^c Concentrations in **bold** exceed the corresponding RSLs (USEPA 2018a) protective of an industrial worker exposed to soil via ingestion, dermal contact, and dust inhalation.

^d Concentrations in *italics* exceed the corresponding Eco CCs calculated for Line 1.

Notes:

"--" Indicates that there is no comparison value available.

All results and comparison values are in mg/kg.

NA - Maximum detected result is not available because all results reported for the parameter are non-detect.

VQ symbols indicate: "=" positive identification, positive quantitation, no reason to estimate,

"U" non-detect, no reason to estimate, "J" positive identification, estimated quantitation,

"UJ" analyte was not detected and had QC deficiencies.

Table B-1-7. FUSRAP Post-Excavation Soil Characterization Data Remaining for Radionuclides at Line 1 at the Time of the First Five-Year Review (pCi/g)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	Ac-227				Americium-241				Cesium-137+D				K-40						
							Result	Error	DL	VQ	Result	Error	DL	VQ	Result	Error	DL	VQ	Result	Error	DL	VQ			
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
USEPA Radiological PRG for Industrial Soil (TECR=1E-04)^b:							1,000	---	---	---	470	---	---	---	9.1	---	---	---	22	---	---	---	---		
<i>Eco CC^c:</i>							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Maximum IAAAP Background Soil Concentration ^d :							---	---	---	---	---	---	---	---	<u>1</u>	---	---	---	<u>18</u>	---	---	---	---		
IAAP84180	IAAP84180	691580.83	92183.82	08/19/04	0.5	1	-0.0433	0.119	0.116	UJ	0.0045	0.0282	0.0406	UJ	0.0809	0.0164	0.0173	=	11.9000	0.701	0.0933	=			
IAAP84181	IAAP84181	691633.7	92180.07	08/19/04	0	0.5	-0.0317	0.136	0.153	UJ	0.0059	0.0385	0.0554	UJ	0.1100	0.0207	0.0183	=	14.2000	0.915	0.163	=			
IAAP84181	IAAP84182	691633.7	92180.07	08/19/04	0	0.5	-0.2690	0.448	0.436	UJ	-0.0323	0.102	0.155	UJ	0.5430	0.115	0.0765	=	17.3000	1.85	0.661	=			
IAAP84183	IAAP84183	691800.44	92036.9	08/19/04	0	0.5	-0.0766	0.12	0.138	UJ	0.0179	0.0313	0.0456	UJ	0.2140	0.0276	0.0218	=	15.0000	0.884	0.174	=			
IAAP84184	IAAP84184	691802.25	92009.72	08/19/04	0	0.5	-0.0251	0.134	0.15	UJ	0.0096	0.0339	0.0489	UJ	0.3230	0.0332	0.0258	=	15.4000	0.94	0.162	=			
IAAP84185	IAAP84185	691769.63	92113.02	08/19/04	0	0.5	-0.0869	0.13	0.144	UJ	0.0026	0.0333	0.0477	UJ	0.3080	0.0291	0.0199	=	14.8000	0.906	0.184	=			
IAAP84186	IAAP84186	691780.5	91989.78	08/19/04	0.5	1	-0.0041	0.103	0.108	UJ	0.0141	0.026	0.0379	UJ	0.0356	0.013	0.0179	=	11.1000	0.689	0.154	=			
IAAP84187	IAAP84187	691775.62	91917.09	08/19/04	0.5	1	-0.0538	0.122	0.117	UJ	0.0145	0.0297	0.0434	UJ	0.0128	0.0108	0.017	U	10.8000	0.696	0.0982	=			
IAAP84188	IAAP84188	691740.63	92017.59	08/19/04	0.5	1	-0.0036	0.0954	0.101	UJ	0.0049	0.0237	0.0341	UJ	0.0139	0.0112	0.015	U	10.8000	0.673	0.148	=			
IAAP84189	IAAP84189	691714.07	92024.21	08/19/04	0.5	1	0.0407	0.0932	0.113	UJ	0.0113	0.0269	0.0391	UJ	0.0013	0.00952	0.0154	UJ	10.3000	0.657	0.121	J			
IAAP84190	IAAP84190	691686.26	92082.21	08/19/04	0.5	1	0.0032	0.0895	0.101	UJ	-0.0130	0.0243	0.034	UJ	0.0053	0.0085	0.0127	UJ	9.8600	0.605	0.0786	=			
IAAP84191	IAAP84191	691735.19	91964.41	08/19/04	0	0.5	-0.0557	0.136	0.153	UJ	-0.0399	0.0354	0.0477	UJ	0.0726	0.0225	0.0198	=	13.5000	0.859	0.171	=			
IAAP84248	IAAP84248	691828.96	91848.66	08/19/04	0	0.5	-0.0227	0.136	0.145	UJ	0.0060	0.0348	0.0502	UJ	0.0362	0.0153	0.0225	=	12.3000	0.822	0.155	=			
IAAP89285	IAAP89285	692056	92897.4	09/09/05	0	0.5	-0.0207	0.149	0.237	UJ	0.0296	0.0372	0.0555	UJ	0.0660	0.0221	0.0222	=	15.5000	0.991	0.159	=			
IAAP89286	IAAP89286	691899.05	92258.4	09/10/05	0	0.5	-0.0192	0.166	0.264	UJ	0.0148	0.0404	0.0589	UJ	<u>2.6400</u>	0.136	0.0239	=	14.0000	0.9	0.148	=			
IAAP89287	IAAP89287	691945	92094.05	09/10/05	0	0.5	0.0392	0.153	0.248	UJ	0.0120	0.041	0.0597	UJ	<u>1.4000</u>	0.0843	0.0217	=	16.0000	0.991	0.161	=			
IAAP89295	IAAP89295	691811.88	93343.97	09/09/05	0	0.5	0.0199	0.211	0.36	UJ	0.1110	0.0896	0.146	U	0.2450	0.0411	0.0362	=	12.8000	1.15	0.363	=			
IAAP89296	IAAP89296	691830.38	93327.12	09/09/05	0	0.5	0.3030	0.243	0.436	U	0.0042	0.0904	0.139	UJ	<u>2.5300</u>	0.152	0.0388	=	14.2000	1.18	0.289	=			
IAAP89297	IAAP89297	691864.63	93154.03	09/09/05	0	0.5	0.0910	0.209	0.363	UJ	0.0631	0.0883	0.141	UJ	0.4990	0.0645	0.0399	=	12.4000	1.18	0.294	=			
IAAP89298	IAAP89298	691939.66	93213.89	09/09/05	0	0.5	0.0707	0.117	0.208	UJ	-0.0140	0.0418	0.0622	UJ	0.0338	0.0156	0.031	U	3.3900	0.461	0.161	=			
IAAP89299	IAAP89299	692205.02	93131.22	09/09/05	0	0.5	-0.2080	0.203	0.325	UJ	0.0781	0.0826	0.133	UJ	0.0741	0.0355	0.0398	=	14.6000	1.19	0.332	=			
IAAP89300	IAAP89300	692036.88	93143.65	09/09/05	0	0.5	-0.1690	0.181	0.288	UJ	0.0535	0.0744	0.119	UJ	0.0106	0.0184	0.0328	UJ	10.7000	1.01	0.295	=			
IAAP89301	IAAP89301	692091.61	92939.49	09/09/05	0	0.5	-0.0236	0.22	0.371	UJ	-0.0068	0.0928	0.141	UJ	0.1240	0.0506	0.037	=	15.1000	1.26	0.189	=			
IAAP89302	IAAP89302	692046.11	92914.16	09/09/05	0	0.5	-0.0858	0.201	0.333	UJ	0.0216	0.0858	0.133	UJ	0.1760	0.0381	0.0348	=	12.9000	1.11	0.187	=			
IAAP89303	IAAP89303	692176.32	92858	09/09/05	0	0.5	0.0831	0.196	0.34	UJ	0.0612	0.0817	0.13	UJ	0.0863	0.0354	0.0384	=	14.1000	1.16	0.259	=			
IAAP89304	IAAP89304	692157.17	92810.77	09/09/05	0	0.5	-0.0302	0.199	0.336	UJ	-0.0043	0.0842	0.129	UJ	0.3050	0.0493	0.036	=	14.8000	1.17	0.266	=			
IAAP89305	IAAP89305	692192.91	92750.77	09/09/05	0	0.5	0.1810	0.204	0.362	UJ	0.0550	0.081	0.129	UJ	0.2710	0.0456	0.0358	=	11.8000	1.08	0.284	=			
IAAP89306	IAAP89306	691996.99	92741.25	09/09/05	0	0.5	-0.1280	0.13	0.197	UJ	0.0016	0.0348	0.0501	UJ	0.2400	0.0256	0.0186	=	15.3000	0.922	0	=			
IAAP89307	IAAP89307	691825.27	92322.3	09/10/05	0	0.5	0.0778	0.15	0.245	UJ	-0.0043	0.0377	0.0538	UJ	0.1560	0.0268	0.0238	=	17.7000	1.07	0.139	=			
IAAP89308	IAAP89308	692012.39	92333.22	09/10/05	0	0.5	-0.0240	0.124	0.197	UJ	0.0015	0.034	0.049	UJ	0.0332	0.0197	0.0205	J	13.3000	0.851	0.139	=			
IAAP89309	IAAP89309	691759.02	92325.04	09/10/05	0	0.5	-0.0375	0.142	0.198	UJ	-0.0067	0.0336	0.0479	UJ	-0.0020	0.0133	0.0211	UJ	13.9000	0.88	0.143	=			
IAAP89310	IAAP89310	691981.01	92141.87	09/10/05	0	0.5	-0.1170	0.147	0.225	UJ	0.0326	0.0386	0.0575	UJ	0.4140	0.0367	0.0207	=	14.9000	0.946	0.152	=			
IAAP89311	IAAP89311	691896.54	92085.83	09/10/05	0	0.5	-0.0720	0.128	0.2	UJ	-0.0087	0.0359	0.0511	UJ	-0.0229	0.0126	0.0174	UJ	16.3000	0.968	0.162	=			
IAAP89312	IAAP89312	691900.97	92225.74	09/10/05	0	0.5	-0.0417	0.158	0.25	UJ	0.0354	0.0408	0.0609	UJ	0.4410	0.0432	0.0259	=	16.9000	1.06	0.178	=			

Table B-1-7. FUSRAP Post-Excavation Soil Characterization Data Remaining for Radionuclides at Line 1 at the Time of the First Five-Year Review (pCi/g)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	Ac-227				Americium-241				Cesium-137+D				K-40						
							Result	Error	DL	VQ	Result	Error	DL	VQ	Result	Error	DL	VQ	Result	Error	DL	VQ			
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
USEPA Radiological PRG for Industrial Soil (TECR=1E-04)^b:							1,000	---	---	---	470	---	---	---	9.1	---	---	---	22	---	---	---	---		
<i>Eco CC^c:</i>							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Maximum IAAAP Background Soil Concentration ^d :							---	---	---	---	---	---	---	---	<u>1</u>	---	---	---	<u>18</u>	---	---	---	---		
IAAP89313	IAAP89313	691799.19	92206.93	09/10/05	0	0.5	-0.1030	0.11	0.168	UJ	0.0134	0.0275	0.0404	UJ	0.0230	0.0143	0.0189	J	13.3000	0.806	0.105	=			
IAAP89314	IAAP89314	691783.98	92443.33	09/10/05	0	0.5	-0.1020	0.154	0.238	UJ	0.0029	0.0361	0.0521	UJ	0.5760	0.0453	0.0254	=	13.8000	0.906	0.163	=			
IAAP89315	IAAP89315	691715.81	92422.27	09/10/05	0	0.5	0.0493	0.177	0.257	UJ	0.0016	0.0427	0.0615	UJ	0.0260	0.0196	0.0251	J	15.3000	0.997	0.168	=			
IAAP89316	IAAP89316	691660.86	92384.51	09/10/05	0	0.5	0.0315	0.192	0.328	UJ	-0.0049	0.073	0.124	UJ	0.0978	0.0421	0.0329	=	13.4000	1.08	0.267	=			
IAAP89317	IAAP89317	691856.73	92455.74	09/10/05	0	0.5	-0.0273	0.158	0.251	UJ	0.0055	0.0407	0.0589	UJ	0.0928	0.0223	0.0245	=	15.5000	1.01	0.186	=			
IAAP89318	IAAP89318	691879.7	92139.82	09/10/05	0	0.5	0.0705	0.169	0.277	UJ	0.0351	0.0442	0.0659	UJ	0.0432	0.0213	0.0295	=	17.3000	1.14	0.2	=			
Maximum Reported Concentration (Detects and Non-Detects):							0.3030	---	---	U	0.1110	---	---	U	<u>2.6400</u>	---	---	=	17.7000	---	---	=			
Maximum Detected Concentration:							NA	---	---	---	NA	---	---	---	<u>2.6400</u>	---	---	=	17.7000	---	---	=			
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06):							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---			
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection):							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---			
USEPA Radiological PRG for Industrial Soil (TECR=1E-04):							0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---			
Number of Sample Results Greater than Eco CC:							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---			
Number of Sample Results Greater than Maximum IAAAP Background Soil Concentration:							---	---	---	---	---	---	---	---	3	---	---	---	0	---	---	---			

^a Gray-shaded concentrations exceed the corresponding IAAAP OU-1 ROD RGs protective of an industrial worker ingesting soil (USACE 1998a).

^b Concentrations in **bold** exceed the corresponding USEPA (2014b) Preliminary Remediation Goals (PRGs) protective of a composite worker exposed to soil via ingestion, dust inhalation, and external radiation.

^c Concentrations in *italics* exceed the corresponding Eco CCs calculated for Line 1.

^d Underlined concentrations exceed the corresponding maximum IAAAP background concentrations.

Notes:

"---" Indicates that there is no comparison value available.

All results and comparison values are in pCi/g.

NA - Maximum detected result is not available because all results reported for the parameter are non-detect.

VQ symbols indicate: "=" positive identification, positive quantitation, no reason to estimate,

"U" non-detect, no reason to estimate, "J" positive identification, estimated quantitation,

"UJ" analyte was not detected and had QC deficiencies.

Table B-1-7. FUSRAP Post-Excavation Soil Characterization Data Remaining for Radion

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	Pa-231				Ra-226+D				Ra-228+D				Th-228						
							Result	Error	DL	VQ	Result	Error	DL	VQ	Result	Error	DL	VQ	Result	Error	DL	VQ			
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
USEPA Radiological PRG for Industrial Soil (TECR=1E-04)^b:							120	---	---	---	2.1	---	---	---	13	---	---	---	11,000	---	---	---	---		
<i>Eco CC^c:</i>							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Maximum IAAAP Background Soil Concentration ^d :							---	---	---	---	<u>7.1</u>	---	---	---	---	---	---	---	---	---	---	---	---	---	
IAAP84180	IAAP84180	691580.83	92183.82	08/19/04	0.5	1	0.0466	0.283	0.428	UJ	0.8850	0.0432	0.0402	J	0.7900	0.0481	0.0364	J	0.7900	0.0481	0.0364	J			
IAAP84181	IAAP84181	691633.7	92180.07	08/19/04	0	0.5	0.1720	0.384	0.592	UJ	1.2400	0.0615	0.0566	=	0.9930	0.069	0.0559	=	0.9930	0.069	0.0559	=			
IAAP84181	IAAP84182	691633.7	92180.07	08/19/04	0	0.5	0.7070	1.21	1.94	UJ	1.4700	0.174	0.18	=	1.2500	0.192	0.196	=	1.2500	0.192	0.196	=			
IAAP84183	IAAP84183	691800.44	92036.9	08/19/04	0	0.5	0.2200	0.393	0.589	UJ	1.0500	0.0512	0.0519	=	1.0100	0.0619	0.0511	J	1.0100	0.0619	0.0511	J			
IAAP84184	IAAP84184	691802.25	92009.72	08/19/04	0	0.5	-0.1500	0.419	0.596	UJ	1.1200	0.0577	0.0553	=	1.0300	0.0686	0.0554	J	1.0300	0.0686	0.0554	J			
IAAP84185	IAAP84185	691769.63	92113.02	08/19/04	0	0.5	0.4040	0.416	0.64	UJ	1.0200	0.0566	0.0524	=	0.8870	0.0652	0.0541	J	0.8870	0.0652	0.0541	J			
IAAP84186	IAAP84186	691780.5	91989.78	08/19/04	0.5	1	0.2410	0.325	0.493	UJ	0.8250	0.0449	0.0402	=	0.7580	0.0543	0.0386	J	0.7580	0.0543	0.0386	J			
IAAP84187	IAAP84187	691775.62	91917.09	08/19/04	0.5	1	0.1470	0.306	0.474	UJ	0.6920	0.0446	0.0455	J	0.8460	0.0532	0.0439	J	0.8460	0.0532	0.0439	J			
IAAP84188	IAAP84188	691740.63	92017.59	08/19/04	0.5	1	0.2120	0.287	0.438	UJ	0.5930	0.0381	0.0378	=	0.6000	0.0474	0.0392	J	0.6000	0.0474	0.0392	J			
IAAP84189	IAAP84189	691714.07	92024.21	08/19/04	0.5	1	-0.0692	0.241	0.401	UJ	0.6690	0.0387	0.0377	J	0.6750	0.0482	0.0386	J	0.6750	0.0482	0.0386	J			
IAAP84190	IAAP84190	691686.26	92082.21	08/19/04	0.5	1	-0.0921	0.258	0.377	UJ	0.6130	0.0356	0.0317	J	0.6700	0.0434	0.0342	J	0.6700	0.0434	0.0342	J			
IAAP84191	IAAP84191	691735.19	91964.41	08/19/04	0	0.5	0.0495	0.393	0.593	UJ	1.0500	0.0551	0.0507	=	0.8580	0.0603	0.0474	J	0.8580	0.0603	0.0474	J			
IAAP84248	IAAP84248	691828.96	91848.66	08/19/04	0	0.5	0.2050	0.359	0.559	UJ	1.1300	0.0577	0.0506	=	0.7990	0.0627	0.0483	J	0.7990	0.0627	0.0483	J			
IAAP89285	IAAP89285	692056	92897.4	09/09/05	0	0.5	0.2500	0.453	0.665	UJ	0.9180	0.24	0.0576	=	1.0100	0.0664	0.0771	=	1.0100	0.0664	0.0771	=			
IAAP89286	IAAP89286	691899.05	92258.4	09/10/05	0	0.5	0.3080	0.527	0.767	UJ	1.1100	0.284	0.072	=	1.0300	0.0629	0.0754	=	1.0300	0.0629	0.0754	=			
IAAP89287	IAAP89287	691945	92094.05	09/10/05	0	0.5	0.2580	0.471	0.687	UJ	1.1500	0.295	0.0673	=	1.0500	0.0657	0.0692	=	1.0500	0.0657	0.0692	=			
IAAP89295	IAAP89295	691811.88	93343.97	09/09/05	0	0.5	0.1130	0.682	1.03	UJ	1.2500	0.34	0.106	=	0.9770	0.0909	0.117	=	0.9770	0.0909	0.117	=			
IAAP89296	IAAP89296	691830.38	93327.12	09/09/05	0	0.5	-0.5920	0.812	1.14	UJ	1.1300	0.321	0.109	=	1.0600	0.0967	0.122	=	1.0600	0.0967	0.122	=			
IAAP89297	IAAP89297	691864.63	93154.03	09/09/05	0	0.5	-0.1170	0.694	1.01	UJ	0.9870	0.288	0.0971	=	0.8180	0.0943	0.122	=	0.8180	0.0943	0.122	=			
IAAP89298	IAAP89298	691939.66	93213.89	09/09/05	0	0.5	-0.0242	0.351	0.516	UJ	0.6100	0.17	0.0455	=	0.1950	0.0395	0.0636	J	0.1950	0.0395	0.0636	J			
IAAP89299	IAAP89299	692205.02	93131.22	09/09/05	0	0.5	0.4040	0.642	1	UJ	1.1500	0.315	0.0956	=	1.0800	0.0901	0.115	=	1.0800	0.0901	0.115	=			
IAAP89300	IAAP89300	692036.88	93143.65	09/09/05	0	0.5	0.3500	0.517	0.824	UJ	0.7840	0.228	0.0753	=	0.6730	0.0727	0.0972	=	0.6730	0.0727	0.0972	=			
IAAP89301	IAAP89301	692091.61	92939.49	09/09/05	0	0.5	-0.1460	0.706	1.03	UJ	1.3100	0.366	0.1	=	1.0200	0.0993	0.117	=	1.0200	0.0993	0.117	=			
IAAP89302	IAAP89302	692046.11	92914.16	09/09/05	0	0.5	0.2490	0.68	1.04	UJ	1.0600	0.302	0.0985	=	1.0900	0.0857	0.134	=	1.0900	0.0857	0.134	=			
IAAP89303	IAAP89303	692176.32	92858	09/09/05	0	0.5	0.2610	0.625	0.958	UJ	1.1800	0.324	0.0884	=	1.0900	0.0972	0.129	=	1.0900	0.0972	0.129	=			
IAAP89304	IAAP89304	692157.17	92810.77	09/09/05	0	0.5	0.5620	0.634	1	UJ	1.1600	0.317	0.0806	=	1.0400	0.089	0.11	=	1.0400	0.089	0.11	=			
IAAP89305	IAAP89305	692192.91	92750.77	09/09/05	0	0.5	0.3180	0.597	0.929	UJ	1.0600	0.294	0.0921	=	0.8370	0.0961	0.12	=	0.8370	0.0961	0.12	=			
IAAP89306	IAAP89306	691996.99	92741.25	09/09/05	0	0.5	0.0890	0.382	0.547	UJ	1.1200	0.278	0.0553	=	0.9610	0.058	0.0674	=	0.9610	0.058	0.0674	=			
IAAP89307	IAAP89307	691825.27	92322.3	09/10/05	0	0.5	0.2070	0.467	0.677	UJ	1.2500	0.315	0.0576	=	1.0400	0.0662	0.0699	=	1.0400	0.0662	0.0699	=			
IAAP89308	IAAP89308	692012.39	92333.22	09/10/05	0	0.5	0.1600	0.403	0.583	UJ	1.0400	0.262	0.0531	=	0.8800	0.0533	0.0719	=	0.8800	0.0533	0.0719	=			
IAAP89309	IAAP89309	691759.02	92325.04	09/10/05	0	0.5	0.1150	0.427	0.611	UJ	0.9260	0.24	0.0541	=	0.9980	0.0579	0.0668	=	0.9980	0.0579	0.0668	=			
IAAP89310	IAAP89310	691981.01	92141.87	09/10/05	0	0.5	0.1950	0.442	0.642	UJ	1.1200	0.288	0.0571	=	1.1100	0.067	0.0694	=	1.1100	0.067	0.0694	=			
IAAP89311	IAAP89311	691896.54	92085.83	09/10/05	0	0.5	0.4920	0.381	0.585	U	1.1400	0.284	0.0528	=	1.0500	0.057	0.0675	=	1.0500	0.057	0.0675	=			
IAAP89312	IAAP89312	691900.97	92225.74	09/10/05	0	0.5	0.3920	0.465	0.697	UJ	1.2000	0.308	0.0607	=	1.1100	0.0682	0.0707	=	1.1100	0.0682	0.0707	=			

Table B-1-7. FUSRAP Post-Excavation Soil Characterization Data Remaining for Radion

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	Pa-231				Ra-226+D				Ra-228+D				Th-228						
							Result	Error	DL	VQ	Result	Error	DL	VQ	Result	Error	DL	VQ	Result	Error	DL	VQ			
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
USEPA Radiological PRG for Industrial Soil (TECR=1E-04)^b:							120	---	---	---	2.1	---	---	---	13	---	---	---	11,000	---	---	---	---		
<i>Eco CC^c:</i>							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Maximum IAAAP Background Soil Concentration ^d :							---	---	---	---	<u>7.1</u>	---	---	---	---	---	---	---	---	---	---	---	---		
IAAP89313	IAAP89313	691799.19	92206.93	09/10/05	0	0.5	0.1900	0.317	0.465	UJ	0.9260	0.233	0.0427	=	0.6680	0.0451	0.0505	=	0.6680	0.0451	0.0505	=			
IAAP89314	IAAP89314	691783.98	92443.33	09/10/05	0	0.5	-0.1800	0.456	0.621	UJ	1.0500	0.267	0.059	=	0.9030	0.0602	0.0743	=	0.9030	0.0602	0.0743	=			
IAAP89315	IAAP89315	691715.81	92422.27	09/10/05	0	0.5	-0.1660	0.474	0.646	UJ	1.2600	0.318	0.0635	=	1.2800	0.073	0.0783	=	1.2800	0.073	0.0783	=			
IAAP89316	IAAP89316	691660.86	92384.51	09/10/05	0	0.5	0.5930	0.618	0.961	UJ	1.0600	0.297	0.09	=	0.9880	0.0822	0.118	=	0.9880	0.0822	0.118	=			
IAAP89317	IAAP89317	691856.73	92455.74	09/10/05	0	0.5	0.3450	0.519	0.694	UJ	1.3300	0.339	0.0626	=	1.1100	0.0703	0.0772	=	1.1100	0.0703	0.0772	=			
IAAP89318	IAAP89318	691879.7	92139.82	09/10/05	0	0.5	0.4920	0.627	0.754	UJ	1.4100	0.356	0.0701	=	1.2100	0.0713	0.0801	=	1.2100	0.0713	0.0801	=			
Maximum Reported Concentration (Detects and Non-Detects):							0.7070	---	---	UJ	1.4700	---	---	=	1.2800	---	---	=	1.2800	---	---	=			
Maximum Detected Concentration:							NA	---	---	---	1.4700	---	---	=	1.2800	---	---	=	1.2800	---	---	=			
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06):							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---			
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection):							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---			
USEPA Radiological PRG for Industrial Soil (TECR=1E-04):							0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---			
Number of Sample Results Greater than Eco CC:							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---			
Number of Sample Results Greater than Maximum IAAAP Background Soil Concentration:							---	---	---	---	0	---	---	---	---	---	---	---	---	---	---	---			

^a Gray-shaded concentrations exceed the corresponding IAAAP OU-1 ROD RGs protective of an industrial worker ingesting soil (USACE 1998a).

^b Concentrations in **bold** exceed the corresponding USEPA (2014b) Preliminary Remediation Goals (PRGs) protective of an composite worker exposed to soil via ingestion, dust inhalation, and external radiation.

^c Concentrations in *italics* exceed the corresponding Eco CCs calculated for Line 1.

^d Underlined concentrations exceed the corresponding maximum IAAAP background concentrations.

Notes:

"---" Indicates that there is no comparison value available.

All results and comparison values are in pCi/g.

NA - Maximum detected result is not available because all results reported for the parameter are non-detect.

VQ symbols indicate: "=" positive identification, positive quantitation, no reason to estimate,

"U" non-detect, no reason to estimate, "J" positive identification, estimated quantitation,

"UJ" analyte was not detected and had QC deficiencies.

Table B-1-7. FUSRAP Post-Excavation Soil Characterization Data Remaining for Radion

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	Th-230				Th-232+D				U-234				U-235+D				U-238+D						
							Result	Error	DL	VQ	Result	Error	DL	VQ	Result	Error	DL	VQ	Result	Error	DL	VQ	Result	Error	DL	VQ	Result	Error	DL
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
USEPA Radiological PRG for Industrial Soil (TECR=1E-04)^b:							1,800	---	---	---	4.2	---	---	---	2,800	---	---	---	30	---	---	---	140	---	---	---			
<i>Eco CC^c:</i>							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Maximum IAAAP Background Soil Concentration ^d :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
IAAP84180	IAAP84180	691580.83	92183.82	08/19/04	0.5	1	0.5990	2.37	3.9	UJ	0.7900	0.0481	0.0364	J	0.6530	0.389	0.29	J	0.0596	0.12	0.162	UJ	0.8420	0.447	0.289	J			
IAAP84181	IAAP84181	691633.7	92180.07	08/19/04	0	0.5	1.0700	3.05	5.06	UJ	0.9930	0.069	0.0559	=	1.0300	0.552	0.163	J	0.0000	0	0.201	U	0.6450	0.427	0.302	J			
IAAP84181	IAAP84182	691633.7	92180.07	08/19/04	0	0.5	-1.4300	8.35	14.2	UJ	1.2500	0.192	0.196	=	1.2300	0.654	0.185	J	0.0844	0.17	0.229	UJ	1.4300	0.716	0.184	J			
IAAP84183	IAAP84183	691800.44	92036.9	08/19/04	0	0.5	-0.7060	2.79	4.25	UJ	1.0100	0.0619	0.0511	J	1.2700	0.599	0.389	=	0.0651	0.131	0.176	UJ	1.1400	0.554	0.265	=			
IAAP84184	IAAP84184	691802.25	92009.72	08/19/04	0	0.5	0.4670	2.81	4.61	UJ	1.0300	0.0686	0.0554	J	1.0400	0.553	0.296	J	0.0362	0.154	0.434	UJ	0.6870	0.436	0.294	J			
IAAP84185	IAAP84185	691769.63	92113.02	08/19/04	0	0.5	1.4500	2.75	4.55	UJ	0.8870	0.0652	0.0541	J	0.8360	0.464	0.267	J	0.0655	0.132	0.178	UJ	0.7400	0.428	0.143	J			
IAAP84186	IAAP84186	691780.5	91989.78	08/19/04	0.5	1	1.0800	2.27	3.53	UJ	0.7580	0.0543	0.0386	J	1.3900	0.624	0.314	=	-0.0161	0.0325	0.325	UJ	0.6120	0.386	0.262	J			
IAAP84187	IAAP84187	691775.62	91917.09	08/19/04	0.5	1	1.0900	2.49	4.14	UJ	0.8460	0.0532	0.0439	J	0.8480	0.495	0.416	J	0.1400	0.2	0.189	UJ	1.2800	0.613	0.284	=			
IAAP84188	IAAP84188	691740.63	92017.59	08/19/04	0.5	1	1.3400	2.1	3.29	UJ	0.6000	0.0474	0.0392	J	0.5250	0.321	0.118	J	0.0539	0.108	0.146	UJ	0.7720	0.402	0.219	J			
IAAP84189	IAAP84189	691714.07	92024.21	08/19/04	0.5	1	-0.2540	2.24	3.66	UJ	0.6750	0.0482	0.0386	J	0.4680	0.338	0.269	J	-0.0330	0.0473	0.396	UJ	0.5730	0.376	0.268	J			
IAAP84190	IAAP84190	691686.26	92082.21	08/19/04	0.5	1	-0.3900	2.03	3.32	UJ	0.6700	0.0434	0.0342	J	0.5860	0.385	0.275	J	0.0000	0	0.182	U	0.7600	0.44	0.147	J			
IAAP84191	IAAP84191	691735.19	91964.41	08/19/04	0	0.5	-1.8200	2.79	4.69	UJ	0.8580	0.0603	0.0474	J	1.1900	0.593	0.289	=	0.0709	0.143	0.192	UJ	1.1400	0.574	0.155	J			
IAAP84248	IAAP84248	691828.96	91848.66	08/19/04	0	0.5	3.9300	2.84	4.84	U	0.7990	0.0627	0.0483	J	0.9660	0.613	0.464	J	0.0715	0.198	0.48	UJ	1.1400	0.666	0.388	J			
IAAP89285	IAAP89285	692056	92897.4	09/09/05	0	0.5	0.6880	3.32	5.2	UJ	1.0100	0.0664	0.0771	=	0.6320	0.37	0.231	J	0.0567	0.114	0.154	UJ	1.1900	0.53	0.124	=			
IAAP89286	IAAP89286	691899.05	92258.4	09/10/05	0	0.5	-0.3370	3.36	5.21	UJ	1.0300	0.0629	0.0754	=	0.8910	0.45	0.127	J	0.0434	0.12	0.291	UJ	1.2000	0.541	0.235	=			
IAAP89287	IAAP89287	691945	92094.05	09/10/05	0	0.5	1.0700	3.72	5.39	UJ	1.0500	0.0657	0.0692	=	0.7780	0.399	0.117	J	0.0533	0.107	0.145	UJ	0.6670	0.371	0.258	J			
IAAP89295	IAAP89295	691811.88	93343.97	09/09/05	0	0.5	0.2890	6.61	10.7	UJ	0.9770	0.0909	0.117	=					0.1280	0.297	0.492	UJ	1.1900	0.999	1.18	J			
IAAP89296	IAAP89296	691830.38	93327.12	09/09/05	0	0.5	-0.7210	7.21	11.6	UJ	1.0600	0.0967	0.122	=					0.1370	0.313	0.517	UJ	1.8800	1.48	1.19	J			
IAAP89297	IAAP89297	691864.63	93154.03	09/09/05	0	0.5	4.3600	6.75	11.2	UJ	0.8180	0.0943	0.122	=					-0.2820	0.284	0.435	UJ	1.1200	0.996	1.2	U			
IAAP89298	IAAP89298	691939.66	93213.89	09/09/05	0	0.5	0.2720	3.57	5.47	UJ	0.1950	0.0395	0.0636	J					0.1320	0.145	0.25	UJ	1.0600	0.806	0.576	J			
IAAP89299	IAAP89299	692205.02	93131.22	09/09/05	0	0.5	6.1400	6.62	11.1	UJ	1.0800	0.0901	0.115	=					0.2390	0.254	0.406	UJ	1.2700	0.946	1.14	J			
IAAP89300	IAAP89300	692036.88	93143.65	09/09/05	0	0.5	2.4500	5.81	9.58	UJ	0.6730	0.0727	0.0972	=	0.6670	0.384	0.129	J	0.0000	0	0.159	U	0.6520	0.382	0.239	J			
IAAP89301	IAAP89301	692091.61	92939.49	09/09/05	0	0.5	-0.5960	7.38	11.2	UJ	1.0200	0.0993	0.117	=					-0.1590	0.302	0.476	UJ	1.3300	1.29	1.24	J			
IAAP89302	IAAP89302	692046.11	92914.16	09/09/05	0	0.5	-6.4000	7.25	10.5	UJ	1.0900	0.0857	0.134	=					0.1420	0.281	0.467	UJ	1.2900	1.18	1.19	J			
IAAP89303	IAAP89303	692176.32	92858	09/09/05	0	0.5	3.7100	7.03	11	UJ	1.0900	0.0972	0.129	=					-0.0187	0.271	0.438	UJ	2.3500	1.33	1.15	J			
IAAP89304	IAAP89304	692157.17	92810.77	09/09/05	0	0.5	1.4800	6.21	10.1	UJ	1.0400	0.089	0.11	=					0.0385	0.259	0.423	UJ	0.9520	0.932	1.12	U			
IAAP89305	IAAP89305	692192.91	92750.77	09/09/05	0	0.5	-0.1160	6.8	10.3	UJ	0.8370	0.0961	0.12	=					0.4160	0.406	0.444	U	1.2500	1.22	1.09	J			
IAAP89306	IAAP89306	691996.99	92741.25	09/09/05	0	0.5	0.1680	3.12	4.86	UJ	0.9610	0.058	0.0674	=					0.0064	0.164	0.27	UJ	1.2800	0.469	0.474	=			
IAAP89307	IAAP89307	691825.27	92322.3	09/10/05	0	0.5	2.1000	3.73	5.45	UJ	1.0400	0.0662	0.0699	=					0.0545	0.183	0.305	UJ	1.4500	0.72	0.524	=			
IAAP89308	IAAP89308	692012.39	92333.22	09/10/05	0	0.5	1.2300	3.13	4.56	UJ	0.8800	0.0533	0.0719	=					0.0926	0.159	0.267	UJ	0.9930	0.451	0.471	=			
IAAP89309	IAAP89309	691759.02	92325.04	09/10/05	0	0.5	3.9900	3.02	4.9	U	0.9980	0.0579	0.0668	=					0.0440	0.169	0.281	UJ	2.3700	0.959	0.458	=			
IAAP89310	IAAP89310	691981.01	92141.87	09/10/05	0	0.5	2.3800	3.42	5.45	UJ	1.1100	0.067	0.0694	=					0.0529	0.19	0.315	UJ	1.0600	0.495	0.547	=			
IAAP89311	IAAP89311	691896.54	92085.83	09/10/05	0	0.5	3.2100	3.39	5	UJ	1.0500	0.057	0.0675	=					0.0869	0.167	0.279	UJ	1.2400	0.476	0.475	=			
IAAP89312	IAAP89312	691900.97	92225.74	09/10/05	0	0.5	0.0089	3.91	5.59	UJ	1.1100	0.0682	0.0707	=					0.1760	0.205	0.348	UJ	1.8300	0.711	0.545	=			

Table B-1-7. FUSRAP Post-Excavation Soil Characterization Data Remaining for Radion

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	Th-230				Th-232+D				U-234				U-235+D				U-238+D					
							Result	Error	DL	VQ	Result	Error	DL	VQ	Result	Error	DL	VQ	Result	Error	DL	VQ	Result	Error	DL	VQ		
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
USEPA Radiological PRG for Industrial Soil (TECR=1E-04)^b:							1,800	---	---	---	4.2	---	---	---	2,800	---	---	---	30	---	---	---	140	---	---	---		
<i>Eco CC^c:</i>							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
<u>Maximum IAAAP Background Soil Concentration^d:</u>							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
IAAP89313	IAAP89313	691799.19	92206.93	09/10/05	0	0.5	-0.7310	2.77	3.91	UJ	0.6680	0.0451	0.0505	=					0.0968	0.133	0.225	UJ	0.9610	0.315	0.378	=		
IAAP89314	IAAP89314	691783.98	92443.33	09/10/05	0	0.5	0.8970	3.52	5.1	UJ	0.9030	0.0602	0.0743	=					-0.0117	0.181	0.296	UJ	1.0700	0.536	0.489	=		
IAAP89315	IAAP89315	691715.81	92422.27	09/10/05	0	0.5	0.1600	3.83	5.96	UJ	1.2800	0.073	0.0783	=					-0.0145	0.205	0.336	UJ	1.2700	0.646	0.59	J		
IAAP89316	IAAP89316	691660.86	92384.51	09/10/05	0	0.5	-3.9100	6.06	10	UJ	0.9880	0.0822	0.118	=	1.7500	0.722	0.143	=	0.0000	0	0.177	U	0.9480	0.495	0.143	J		
IAAP89317	IAAP89317	691856.73	92455.74	09/10/05	0	0.5	1.5300	3.91	5.69	UJ	1.1100	0.0703	0.0772	=					0.2850	0.201	0.349	U	1.0300	0.611	0.551	J		
IAAP89318	IAAP89318	691879.7	92139.82	09/10/05	0	0.5	3.8900	4.31	6.4	UJ	1.2100	0.0713	0.0801	=					0.0091	0.225	0.37	UJ	1.0100	0.673	0.624	J		
Maximum Reported Concentration (Detects and Non-Detects):							6.1400	---	---	UJ	1.2800	---	---	=	1.7500	---	---	=	0.4160	---	---	U	2.3700	---	---	=		
Maximum Detected Concentration:							NA	---	---	---	1.2800	---	---	=	1.7500	---	---	=	0.4160	---	---	U	2.3700	---	---	=		
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06):							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection):							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
USEPA Radiological PRG for Industrial Soil (TECR=1E-04):							0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	---	
Number of Sample Results Greater than Eco CC:							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Number of Sample Results Greater than Maximum IAAAP Background Soil Concentration:							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

^a Gray-shaded concentrations exceed the corresponding IAAAP OU-1 ROD RGs protective of an industrial worker ingesting soil (USACE 1998a).

^b Concentrations in **bold** exceed the corresponding USEPA (2014b) Preliminary Remediation Goals (PRGs) protective of a composite worker exposed to soil via ingestion, dust inhalation, and external radiation.

^c Concentrations in *italics* exceed the corresponding Eco CCs calculated for Line 1.

^d Underlined concentrations exceed the corresponding maximum IAAAP background concentrations.

Notes:

"---" Indicates that there is no comparison value available.

All results and comparison values are in pCi/g.

NA - Maximum detected result is not available because all results reported for the parameter are non-detect.

VQ symbols indicate: "=" positive identification, positive quantitation, no reason to estimate,

"U" non-detect, no reason to estimate, "J" positive identification, estimated quantitation,

"UJ" analyte was not detected and had QC deficiencies.

Table B-1-8. FUSRAP Soil Characterization Data for Toxicity Characteristic Leach Procedure Constituents at Line 1 at the Time of the First Five-Year Review (mg/L)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	1,3,5-TNB			1,3-DNB			1,4-Dichlorobenzene			2,4,5-Trichlorophenol			2,4,6-Trichlorophenol		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
USEPA TCLP Regulatory Level ^a :							---	---	---	---	---	---	7.5	---	400	---	---	---	2	---	---
IAAP111610	IAAP111610	COMPOSITE	COMPOSITE	09/25/08	0	0															
IAAP111620	IAAP111620	COMPOSITE	COMPOSITE	09/25/08	0	0							0.0500	0.05	UJ	0.0500	0.05	U	0.0500	0.05	U
IAAP111625	IAAP111625	COMPOSITE	COMPOSITE	09/25/08	0	0							0.0500	0.05	U	0.0500	0.05	U	0.0500	0.05	U
IAAP111630	IAAP111630	COMPOSITE	COMPOSITE	09/24/08	0	0							0.0500	0.05	U	0.0500	0.05	U	0.0500	0.05	U
IAAP111638	IAAP111638	COMPOSITE	COMPOSITE	09/24/08	0	0							0.0500	0.05	U	0.0500	0.05	U	0.0500	0.05	U
IAAP111644	IAAP111644	COMPOSITE	COMPOSITE	09/24/08	0	0							0.0500	0.05	U	0.0500	0.05	U	0.0500	0.05	U
IAAP111645	IAAP111645	COMPOSITE	COMPOSITE	09/24/08	0	0															
IAAP111654	IAAP111654	COMPOSITE	COMPOSITE	09/24/08	0	0															
IAAP111656	IAAP111656	COMPOSITE	COMPOSITE	09/25/08	0	0							0.0500	0.05	U	0.0500	0.05	U	0.0500	0.05	U
IAAP111657	IAAP111657	COMPOSITE	COMPOSITE	09/25/08	0	0															
IAAP111661	IAAP111661	COMPOSITE	COMPOSITE	09/30/08	0	0							0.0500	0.05	U	0.0500	0.05	U	0.0500	0.05	U
IAAP111662	IAAP111662	COMPOSITE	COMPOSITE	09/25/08	0	0															
IAAP111665	IAAP111665	COMPOSITE	COMPOSITE	09/23/08	0	0															
IAAP111688	IAAP111688	COMPOSITE	COMPOSITE	09/30/08	0	0							0.0500	0.05	U	0.0500	0.05	U	0.0500	0.05	U
IAAP111694	IAAP111694	COMPOSITE	COMPOSITE	09/30/08	0	0							0.0500	0.05	U	0.0500	0.05	U	0.0500	0.05	U
IAAP111704	IAAP111704	COMPOSITE	COMPOSITE	09/30/08	0	0							0.0500	0.05	U	0.0500	0.05	U	0.0500	0.05	U
IAAP111707	IAAP111707	COMPOSITE	COMPOSITE	09/30/08	0	0							0.0500	0.05	U	0.0500	0.05	U	0.0500	0.05	U
IAAP111719	IAAP111719	COMPOSITE	COMPOSITE	09/29/08	0	0							0.0500	0.05	U	0.0500	0.05	U	0.0500	0.05	U
IAAP111720	IAAP111720	COMPOSITE	COMPOSITE	09/29/08	0	0							0.0500	0.05	U	0.0500	0.05	U	0.0500	0.05	U
IAAP132560	IAAP132615	692009.98	92408.8	12/07/10	3.75	10.75	0.0002	0.0002	U	0.0002	0.0002	U									
IAAP132590	IAAP132617	692004.8	92423.59	12/07/10	5.7	11.5	0.0007	0.0002	=	0.0002	0.0002	U									
IAAP132602	IAAP132619	692021.1	92375.6	12/07/10	6.4	12	0.0002	0.0002	U	0.0002	0.0002	U									
IAAP135630	IAAP135820	691983.2	92499.09	04/13/11	0	0	0.0002	0.0002	U	0.0002	0.0002	U									
IAAP135684	IAAP135821	691961.6	92575.74	04/13/11	0	0	0.0002	0.0002	U	0.0002	0.0002	U									
IAAP135732	IAAP135822	691935	92647.27	04/14/11	0	0	0.0002	0.0002	U	0.0002	0.0002	U									
IAAP135774	IAAP135823	691910.4	92720.78	04/14/11	0	0	0.0002	0.0002	U	0.0002	0.0002	U									
Maximum Reported Concentration (Detects and Non-Detects):							0.0007	---	=	0.0002	---	U	0.0500	---	U	0.0500	---	U	0.0500	---	U
Maximum Detected Concentration:							0.0007	---	=	NA	---	---	NA	---	---	NA	---	---	NA	---	---
Number of Samples Greater than USEPA TCLP Regulatory Level:							---	---	---	---	---	---	0	---	0	---	---	---	0	---	---

^a Gray-shaded concentrations exceed the corresponding USEPA TCLP regulatory level.

Notes:

"---" Indicates that there is no comparison value available.

All results and comparison values are in mg/L.

NA - Maximum detected result is not available because all results reported for the parameter are non-detect.

VQ symbols indicate: "=" positive identification, positive quantitation, no reason to estimate,

"U" non-detect, no reason to estimate, "J" positive identification, estimated quantitation,

"UJ" analyte was not detected and had QC deficiencies.

Table B-1-8. FUSRAP Soil Characterization Data for Toxicity Characteristic Leach Procedure Constituents at Line 1 at the Time of the First Five-Year Review (mg/L)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	2,4,6-TNT			2,4-DNT			2-Methylphenol			Antimony			Arsenic			Barium			
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result
USEPA TCLP Regulatory Level ^a :							---	---	---	0.13	---	---	200	---	---	---	---	---	5	---	---	100	---	---	
IAAP111610	IAAP111610	COMPOSITE	COMPOSITE	09/25/08	0	0											0.0099	0.0099	U	0.0049	0.0049	U	1.1100	0.0021	=
IAAP111620	IAAP111620	COMPOSITE	COMPOSITE	09/25/08	0	0				0.0500	0.05	U	0.0500	0.05	U										
IAAP111625	IAAP111625	COMPOSITE	COMPOSITE	09/25/08	0	0				0.0500	0.05	U	0.0500	0.05	U										
IAAP111630	IAAP111630	COMPOSITE	COMPOSITE	09/24/08	0	0				0.0500	0.05	U	0.0500	0.05	U										
IAAP111638	IAAP111638	COMPOSITE	COMPOSITE	09/24/08	0	0				0.0500	0.05	U	0.0500	0.05	U										
IAAP111644	IAAP111644	COMPOSITE	COMPOSITE	09/24/08	0	0				0.0500	0.05	U	0.0500	0.05	U										
IAAP111645	IAAP111645	COMPOSITE	COMPOSITE	09/24/08	0	0										0.0099	0.0099	U	0.0049	0.0049	U	2.7100	0.0021	=	
IAAP111654	IAAP111654	COMPOSITE	COMPOSITE	09/24/08	0	0										0.0099	0.0099	U	0.0049	0.0049	U	0.8450	0.0021	=	
IAAP111656	IAAP111656	COMPOSITE	COMPOSITE	09/25/08	0	0				0.0500	0.05	U	0.0500	0.05	U										
IAAP111657	IAAP111657	COMPOSITE	COMPOSITE	09/25/08	0	0										0.0099	0.0099	U	0.0049	0.0049	U	1.4700	0.0021	=	
IAAP111661	IAAP111661	COMPOSITE	COMPOSITE	09/30/08	0	0				0.0500	0.05	U	0.0500	0.05	U										
IAAP111662	IAAP111662	COMPOSITE	COMPOSITE	09/25/08	0	0										0.0099	0.0099	U	0.0049	0.0049	U	1.6200	0.0021	=	
IAAP111665	IAAP111665	COMPOSITE	COMPOSITE	09/23/08	0	0										0.0099	0.0099	U	0.0049	0.0049	U	1.3500	0.0021	=	
IAAP111688	IAAP111688	COMPOSITE	COMPOSITE	09/30/08	0	0				0.0500	0.05	U	0.0500	0.05	U										
IAAP111694	IAAP111694	COMPOSITE	COMPOSITE	09/30/08	0	0				0.0500	0.05	U	0.0500	0.05	U										
IAAP111704	IAAP111704	COMPOSITE	COMPOSITE	09/30/08	0	0				0.0500	0.05	U	0.0500	0.05	U										
IAAP111707	IAAP111707	COMPOSITE	COMPOSITE	09/30/08	0	0				0.0500	0.05	U	0.0500	0.05	U										
IAAP111719	IAAP111719	COMPOSITE	COMPOSITE	09/29/08	0	0				0.0500	0.05	U	0.0500	0.05	U										
IAAP111720	IAAP111720	COMPOSITE	COMPOSITE	09/29/08	0	0				0.0500	0.05	U	0.0500	0.05	U										
IAAP132560	IAAP132615	692009.98	92408.8	12/07/10	3.75	10.75	0.0001	0.0003	J	0.0003	0.0003	U													
IAAP132590	IAAP132617	692004.8	92423.59	12/07/10	5.7	11.5	0.0003	0.0003	U	0.0003	0.0003	U													
IAAP132602	IAAP132619	692021.1	92375.6	12/07/10	6.4	12	0.0003	0.0003	U	0.0003	0.0003	U													
IAAP135630	IAAP135820	691983.2	92499.09	04/13/11	0	0	0.0003	0.0003	U	0.0003	0.0003	U													
IAAP135684	IAAP135821	691961.6	92575.74	04/13/11	0	0	0.0003	0.0003	U	0.0003	0.0003	U													
IAAP135732	IAAP135822	691935	92647.27	04/14/11	0	0	0.0003	0.0003	U	0.0003	0.0003	U													
IAAP135774	IAAP135823	691910.4	92720.78	04/14/11	0	0	0.0003	0.0003	U	0.0003	0.0003	U													
Maximum Reported Concentration (Detects and Non-Detects):							0.0003	---	U	0.0500	---	U	0.0500	---	U	0.0099	---	U	0.0049	---	U	2.7100	---	=	
Maximum Detected Concentration:							0.0001	---	J	NA	---	---	NA	---	---	NA	---	---	NA	---	---	2.7100	---	=	
Number of Samples Greater than USEPA TCLP Regulatory Level:							---	---	---	0	---	---	0	---	---	---	---	---	0	---	---	0	---	---	

^a Gray-shaded concentrations exceed the corresponding USEPA TCLP regulatory level.

Notes:

"---" Indicates that there is no comparison value available.

All results and comparison values are in mg/L.

NA - Maximum detected result is not available because all results reported for the parameter are non-detect.

VQ symbols indicate: "—" positive identification, positive quantitation, no reason to estimate,

"U" non-detect, no reason to estimate, "J" positive identification, estimated quantitation,

"UJ" analyte was not detected and had QC deficiencies.

Table B-1-8. FUSRAP Soil Characterization Data for Toxicity Characteristic Leach Procedure Constituents at Line 1 at the Time of the First Five-Year Review (mg/L)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	Beryllium			Cadmium			Chromium			Cobalt			Copper			Hexachlorobenzene		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
USEPA TCLP Regulatory Level ^a :							---	---	---	1	---	---	5	---	---	---	---	---	---	---	---	0.13	---	---
IAAP111610	IAAP111610	COMPOSITE	COMPOSITE	09/25/08	0	0	0.0013	0.0013	U	0.0024	0.0024	U	0.0079	0.0079	U	0.0099	0.0099	U	0.0114	0.0114	U			
IAAP111620	IAAP111620	COMPOSITE	COMPOSITE	09/25/08	0	0																0.0500	0.05	U
IAAP111625	IAAP111625	COMPOSITE	COMPOSITE	09/25/08	0	0																0.0500	0.05	U
IAAP111630	IAAP111630	COMPOSITE	COMPOSITE	09/24/08	0	0																0.0500	0.05	U
IAAP111638	IAAP111638	COMPOSITE	COMPOSITE	09/24/08	0	0																0.0500	0.05	U
IAAP111644	IAAP111644	COMPOSITE	COMPOSITE	09/24/08	0	0																0.0500	0.05	U
IAAP111645	IAAP111645	COMPOSITE	COMPOSITE	09/24/08	0	0	0.0013	0.0013	U	0.0271	0.0011	=	0.0553	0.0079	=	0.0099	0.0099	U	0.0130	0.0114	=			
IAAP111654	IAAP111654	COMPOSITE	COMPOSITE	09/24/08	0	0	0.0013	0.0013	U	0.0011	0.0011	U	0.0079	0.0079	U	0.0099	0.0099	U	0.0114	0.0114	U			
IAAP111656	IAAP111656	COMPOSITE	COMPOSITE	09/25/08	0	0																0.0500	0.05	U
IAAP111657	IAAP111657	COMPOSITE	COMPOSITE	09/25/08	0	0	0.0013	0.0013	U	0.0101	0.0011	=	0.0079	0.0079	U	0.0099	0.0099	U	0.0114	0.0114	U			
IAAP111661	IAAP111661	COMPOSITE	COMPOSITE	09/30/08	0	0																0.0500	0.05	U
IAAP111662	IAAP111662	COMPOSITE	COMPOSITE	09/25/08	0	0	0.0013	0.0013	U	0.0011	0.0011	U	0.0079	0.0079	U	0.0099	0.0099	U	0.0114	0.0114	U			
IAAP111665	IAAP111665	COMPOSITE	COMPOSITE	09/23/08	0	0	0.0013	0.0013	U	0.0016	0.0016	U	0.0079	0.0079	U	0.0099	0.0099	U	0.0233	0.0114	=			
IAAP111688	IAAP111688	COMPOSITE	COMPOSITE	09/30/08	0	0																0.0500	0.05	U
IAAP111694	IAAP111694	COMPOSITE	COMPOSITE	09/30/08	0	0																0.0500	0.05	U
IAAP111704	IAAP111704	COMPOSITE	COMPOSITE	09/30/08	0	0																0.0500	0.05	U
IAAP111707	IAAP111707	COMPOSITE	COMPOSITE	09/30/08	0	0																0.0500	0.05	U
IAAP111719	IAAP111719	COMPOSITE	COMPOSITE	09/29/08	0	0																0.0500	0.05	U
IAAP111720	IAAP111720	COMPOSITE	COMPOSITE	09/29/08	0	0																0.0500	0.05	U
IAAP132560	IAAP132615	692009.98	92408.8	12/07/10	3.75	10.75																		
IAAP132590	IAAP132617	692004.8	92423.59	12/07/10	5.7	11.5																		
IAAP132602	IAAP132619	692021.1	92375.6	12/07/10	6.4	12																		
IAAP135630	IAAP135820	691983.2	92499.09	04/13/11	0	0																		
IAAP135684	IAAP135821	691961.6	92575.74	04/13/11	0	0																		
IAAP135732	IAAP135822	691935	92647.27	04/14/11	0	0																		
IAAP135774	IAAP135823	691910.4	92720.78	04/14/11	0	0																		
Maximum Reported Concentration (Detects and Non-Detects):							0.0013	---	U	0.0271	---	=	0.0553	---	=	0.0099	---	U	0.0233	---	=	0.0500	---	U
Maximum Detected Concentration:							NA	---	---	0.0271	---	=	0.0553	---	=	NA	---	---	0.0233	---	=	NA	---	---
Number of Samples Greater than USEPA TCLP Regulatory Level:							---	---	---	0	---	---	0	---	---	---	---	---	---	---	---	0	---	---

^a Gray-shaded concentrations exceed the corresponding USEPA TCLP regulatory level.

Notes:

"---" Indicates that there is no comparison value available.

All results and comparison values are in mg/L.

NA - Maximum detected result is not available because all results reported for the parameter are non-detect.

VQ symbols indicate: "—" positive identification, positive quantitation, no reason to estimate,

"U" non-detect, no reason to estimate, "J" positive identification, estimated quantitation,

"UJ" analyte was not detected and had QC deficiencies.

Table B-1-8. FUSRAP Soil Characterization Data for Toxicity Characteristic Leach Procedure Constituents at Line 1 at the Time of the First Five-Year Review (mg/L)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	Hexachlorobutadiene			Hexachloroethane			HMX			Lead			m+p Methylphenol			Manganese			
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result
USEPA TCLP Regulatory Level ^a :							0.5	---	---	3	---	---	---	---	---	5	---	---	200	---	---	---	---	---	
IAAP111610	IAAP111610	COMPOSITE	COMPOSITE	09/25/08	0	0											0.0032	0.0032	U				0.0117	0.0024	=
IAAP111620	IAAP111620	COMPOSITE	COMPOSITE	09/25/08	0	0	0.0500	0.05	UJ	0.0500	0.05	UJ								0.1000	0.1	U			
IAAP111625	IAAP111625	COMPOSITE	COMPOSITE	09/25/08	0	0	0.0500	0.05	U	0.0500	0.05	U								0.1000	0.1	U			
IAAP111630	IAAP111630	COMPOSITE	COMPOSITE	09/24/08	0	0	0.0500	0.05	U	0.0500	0.05	U								0.1000	0.1	U			
IAAP111638	IAAP111638	COMPOSITE	COMPOSITE	09/24/08	0	0	0.0500	0.05	U	0.0500	0.05	U								0.1000	0.1	U			
IAAP111644	IAAP111644	COMPOSITE	COMPOSITE	09/24/08	0	0	0.0500	0.05	U	0.0500	0.05	U								0.1000	0.1	U			
IAAP111645	IAAP111645	COMPOSITE	COMPOSITE	09/24/08	0	0											0.1730	0.0032	=				0.5510	0.0024	=
IAAP111654	IAAP111654	COMPOSITE	COMPOSITE	09/24/08	0	0											0.0032	0.0032	U				0.0622	0.0024	=
IAAP111656	IAAP111656	COMPOSITE	COMPOSITE	09/25/08	0	0	0.0500	0.05	U	0.0500	0.05	U								0.1000	0.1	U			
IAAP111657	IAAP111657	COMPOSITE	COMPOSITE	09/25/08	0	0											0.0184	0.0032	=				1.3700	0.0024	=
IAAP111661	IAAP111661	COMPOSITE	COMPOSITE	09/30/08	0	0	0.0500	0.05	U	0.0500	0.05	U								0.1000	0.1	U			
IAAP111662	IAAP111662	COMPOSITE	COMPOSITE	09/25/08	0	0											0.0032	0.0032	U				0.2430	0.0024	=
IAAP111665	IAAP111665	COMPOSITE	COMPOSITE	09/23/08	0	0											0.0032	0.0032	U				1.0400	0.0024	=
IAAP111688	IAAP111688	COMPOSITE	COMPOSITE	09/30/08	0	0	0.0500	0.05	U	0.0500	0.05	U								0.1000	0.1	U			
IAAP111694	IAAP111694	COMPOSITE	COMPOSITE	09/30/08	0	0	0.0500	0.05	U	0.0500	0.05	U								0.1000	0.1	U			
IAAP111704	IAAP111704	COMPOSITE	COMPOSITE	09/30/08	0	0	0.0500	0.05	U	0.0500	0.05	U								0.1000	0.1	U			
IAAP111707	IAAP111707	COMPOSITE	COMPOSITE	09/30/08	0	0	0.0500	0.05	U	0.0500	0.05	U								0.1000	0.1	U			
IAAP111719	IAAP111719	COMPOSITE	COMPOSITE	09/29/08	0	0	0.0500	0.05	U	0.0500	0.05	U								0.1000	0.1	U			
IAAP111720	IAAP111720	COMPOSITE	COMPOSITE	09/29/08	0	0	0.0500	0.05	U	0.0500	0.05	U								0.1000	0.1	U			
IAAP132560	IAAP132615	692009.98	92408.8	12/07/10	3.75	10.75							0.1100	0.0035	=										
IAAP132590	IAAP132617	692004.8	92423.59	12/07/10	5.7	11.5							0.0170	0.0004	=										
IAAP132602	IAAP132619	692021.1	92375.6	12/07/10	6.4	12							0.0600	0.0004	=										
IAAP135630	IAAP135820	691983.2	92499.09	04/13/11	0	0							0.0020	0.0004	=										
IAAP135684	IAAP135821	691961.6	92575.74	04/13/11	0	0							0.0006	0.0004	J										
IAAP135732	IAAP135822	691935	92647.27	04/14/11	0	0							0.0130	0.0004	=										
IAAP135774	IAAP135823	691910.4	92720.78	04/14/11	0	0							0.0089	0.0004	=										
Maximum Reported Concentration (Detects and Non-Detects):							0.0500	---	U	0.0500	---	U	0.1100	---	=	0.1730	---	=	0.1000	---	U	1.3700	---	=	
Maximum Detected Concentration:							NA	---	---	NA	---	---	0.1100	---	=	0.1730	---	=	NA	---	---	1.3700	---	=	
Number of Samples Greater than USEPA TCLP Regulatory Level:							0	---	---	0	---	---	---	---	---	0	---	---	0	---	---	---	---	---	

^a Gray-shaded concentrations exceed the corresponding USEPA TCLP regulatory level.

Notes:

"---" Indicates that there is no comparison value available.

All results and comparison values are in mg/L.

NA - Maximum detected result is not available because all results reported for the parameter are non-detect.

VQ symbols indicate: "=" positive identification, positive quantitation, no reason to estimate,

"U" non-detect, no reason to estimate, "J" positive identification, estimated quantitation,

"UJ" analyte was not detected and had QC deficiencies.

Table B-1-8. FUSRAP Soil Characterization Data for Toxicity Characteristic Leach Procedure Constituents at Line 1 at the Time of the First Five-Year Review (mg/L)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	Mercury			Nickel			Nitrobenzene			Pentachlorophenol			Pyridine			RDX		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
USEPA TCLP Regulatory Level ^a :							0.2	---	---	---	---	---	2	---	---	100	---	---	5	---	---	---	---	---
IAAP111610	IAAP111610	COMPOSITE	COMPOSITE	09/25/08	0	0	0.0003	0.0003	U	0.0333	0.0333	U												
IAAP111620	IAAP111620	COMPOSITE	COMPOSITE	09/25/08	0	0							0.0500	0.05	U	0.2500	0.25	U	0.1000	0.1	U			
IAAP111625	IAAP111625	COMPOSITE	COMPOSITE	09/25/08	0	0							0.0500	0.05	U	0.2500	0.25	U	0.1000	0.1	UJ			
IAAP111630	IAAP111630	COMPOSITE	COMPOSITE	09/24/08	0	0							0.0500	0.05	U	0.2500	0.25	U	0.1000	0.1	UJ			
IAAP111638	IAAP111638	COMPOSITE	COMPOSITE	09/24/08	0	0							0.0500	0.05	U	0.2500	0.25	U	0.1000	0.1	U			
IAAP111644	IAAP111644	COMPOSITE	COMPOSITE	09/24/08	0	0							0.0500	0.05	U	0.2500	0.25	U	0.1000	0.1	U			
IAAP111645	IAAP111645	COMPOSITE	COMPOSITE	09/24/08	0	0	0.0003	0.0003	U	0.0333	0.0333	U												
IAAP111654	IAAP111654	COMPOSITE	COMPOSITE	09/24/08	0	0	0.0003	0.0003	U	0.0333	0.0333	U												
IAAP111656	IAAP111656	COMPOSITE	COMPOSITE	09/25/08	0	0							0.0500	0.05	U	0.2500	0.25	U	0.1000	0.1	U			
IAAP111657	IAAP111657	COMPOSITE	COMPOSITE	09/25/08	0	0	0.0003	0.0003	U	0.0333	0.0333	U												
IAAP111661	IAAP111661	COMPOSITE	COMPOSITE	09/30/08	0	0							0.0500	0.05	U	0.2500	0.25	U	0.1000	0.1	U			
IAAP111662	IAAP111662	COMPOSITE	COMPOSITE	09/25/08	0	0	0.0004	0.0003	=	0.0333	0.0333	U												
IAAP111665	IAAP111665	COMPOSITE	COMPOSITE	09/23/08	0	0	0.0003	0.0003	U	0.0333	0.0333	U												
IAAP111688	IAAP111688	COMPOSITE	COMPOSITE	09/30/08	0	0							0.0500	0.05	U	0.2500	0.25	U	0.1000	0.1	U			
IAAP111694	IAAP111694	COMPOSITE	COMPOSITE	09/30/08	0	0							0.0500	0.05	U	0.2500	0.25	U	0.1000	0.1	U			
IAAP111704	IAAP111704	COMPOSITE	COMPOSITE	09/30/08	0	0							0.0500	0.05	U	0.2500	0.25	U	0.1000	0.1	U			
IAAP111707	IAAP111707	COMPOSITE	COMPOSITE	09/30/08	0	0							0.0500	0.05	U	0.2500	0.25	U	0.1000	0.1	U			
IAAP111719	IAAP111719	COMPOSITE	COMPOSITE	09/29/08	0	0							0.0500	0.05	U	0.2500	0.25	U	0.1000	0.1	U			
IAAP111720	IAAP111720	COMPOSITE	COMPOSITE	09/29/08	0	0							0.0500	0.05	U	0.2500	0.25	U	0.1000	0.1	U			
IAAP132560	IAAP132615	692009.98	92408.8	12/07/10	3.75	10.75															0.4700	0.003	=	
IAAP132590	IAAP132617	692004.8	92423.59	12/07/10	5.7	11.5															0.2800	0.0015	=	
IAAP132602	IAAP132619	692021.1	92375.6	12/07/10	6.4	12															0.0024	0.0003	=	
IAAP135630	IAAP135820	691983.2	92499.09	04/13/11	0	0															0.0005	0.0003	J	
IAAP135684	IAAP135821	691961.6	92575.74	04/13/11	0	0															0.0012	0.0003	J	
IAAP135732	IAAP135822	691935	92647.27	04/14/11	0	0															0.0170	0.0003	=	
IAAP135774	IAAP135823	691910.4	92720.78	04/14/11	0	0															0.0130	0.0003	=	
Maximum Reported Concentration (Detects and Non-Detects):							0.0004	---	=	0.0333	---	U	0.0500	---	U	0.2500	---	U	0.1000	---	U	0.4700	---	=
Maximum Detected Concentration:							0.0004	---	=	NA	---	---	NA	---	---	NA	---	---	NA	---	---	0.4700	---	=
Number of Samples Greater than USEPA TCLP Regulatory Level:							0	---	---	---	---	---	0	---	---	0	---	---	0	---	---	---	---	---

^a Gray-shaded concentrations exceed the corresponding USEPA TCLP regulatory level.

Notes:

"---" Indicates that there is no comparison value available.

All results and comparison values are in mg/L.

NA - Maximum detected result is not available because all results reported for the parameter are non-detect.

VQ symbols indicate: "=" positive identification, positive quantitation, no reason to estimate,

"U" non-detect, no reason to estimate, "J" positive identification, estimated quantitation,

"UJ" analyte was not detected and had QC deficiencies.

Table B-1-8. FUSRAP Soil Characterization Data for Toxicity Characteristic Leach Procedure Constituents at Line 1 at the Time of the First Five-Year Review (mg/L)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	Selenium			Silver			Thallium			Vanadium		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
USEPA TCLP Regulatory Level ^a :							1	---	---	5	---	---	---	---	---	---	---	---
IAAP111610	IAAP111610	COMPOSITE	COMPOSITE	09/25/08	0	0	0.0067	0.0067	U	0.0149	0.0149	U	0.0130	0.013	U	0.0102	0.0102	U
IAAP111620	IAAP111620	COMPOSITE	COMPOSITE	09/25/08	0	0												
IAAP111625	IAAP111625	COMPOSITE	COMPOSITE	09/25/08	0	0												
IAAP111630	IAAP111630	COMPOSITE	COMPOSITE	09/24/08	0	0												
IAAP111638	IAAP111638	COMPOSITE	COMPOSITE	09/24/08	0	0												
IAAP111644	IAAP111644	COMPOSITE	COMPOSITE	09/24/08	0	0												
IAAP111645	IAAP111645	COMPOSITE	COMPOSITE	09/24/08	0	0	0.0067	0.0067	U	0.0149	0.0149	U	0.0130	0.013	U	0.0102	0.0102	U
IAAP111654	IAAP111654	COMPOSITE	COMPOSITE	09/24/08	0	0	0.0067	0.0067	U	0.0149	0.0149	U	0.0130	0.013	U	0.0102	0.0102	U
IAAP111656	IAAP111656	COMPOSITE	COMPOSITE	09/25/08	0	0												
IAAP111657	IAAP111657	COMPOSITE	COMPOSITE	09/25/08	0	0	0.0067	0.0067	U	0.0149	0.0149	U	0.0130	0.013	U	0.0102	0.0102	U
IAAP111661	IAAP111661	COMPOSITE	COMPOSITE	09/30/08	0	0												
IAAP111662	IAAP111662	COMPOSITE	COMPOSITE	09/25/08	0	0	0.0067	0.0067	U	0.0149	0.0149	U	0.0130	0.013	U	0.0102	0.0102	U
IAAP111665	IAAP111665	COMPOSITE	COMPOSITE	09/23/08	0	0	0.0067	0.0067	U	0.0149	0.0149	U	0.0130	0.013	U	0.0102	0.0102	U
IAAP111688	IAAP111688	COMPOSITE	COMPOSITE	09/30/08	0	0												
IAAP111694	IAAP111694	COMPOSITE	COMPOSITE	09/30/08	0	0												
IAAP111704	IAAP111704	COMPOSITE	COMPOSITE	09/30/08	0	0												
IAAP111707	IAAP111707	COMPOSITE	COMPOSITE	09/30/08	0	0												
IAAP111719	IAAP111719	COMPOSITE	COMPOSITE	09/29/08	0	0												
IAAP111720	IAAP111720	COMPOSITE	COMPOSITE	09/29/08	0	0												
IAAP132560	IAAP132615	692009.98	92408.8	12/07/10	3.75	10.75												
IAAP132590	IAAP132617	692004.8	92423.59	12/07/10	5.7	11.5												
IAAP132602	IAAP132619	692021.1	92375.6	12/07/10	6.4	12												
IAAP135630	IAAP135820	691983.2	92499.09	04/13/11	0	0												
IAAP135684	IAAP135821	691961.6	92575.74	04/13/11	0	0												
IAAP135732	IAAP135822	691935	92647.27	04/14/11	0	0												
IAAP135774	IAAP135823	691910.4	92720.78	04/14/11	0	0												
Maximum Reported Concentration (Detects and Non-Detects):							0.0067	---	U	0.0149	---	U	0.0130	---	U	0.0102	---	U
Maximum Detected Concentration:							NA	---	---	NA	---	---	NA	---	---	NA	---	---
Number of Samples Greater than USEPA TCLP Regulatory Level:							0	---	---	0	---	---	---	---	---	---	---	---

^a Gray-shaded concentrations exceed the corresponding USEPA TCLP regulatory level.

Notes:

"---" Indicates that there is no comparison value available.

All results and comparison values are in mg/L.

NA - Maximum detected result is not available because all results reported for the parameter are non-detect.

VQ symbols indicate: "—" positive identification, positive quantitation, no reason to estimate,

"U" non-detect, no reason to estimate, "J" positive identification, estimated quantitation,

"UJ" analyte was not detected and had QC deficiencies.

ATTACHMENT B-2

LINE 1 TNA CHARACTERIZATION DATA

(On the CD-ROM on the Back Cover of this Report)

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Table B-2-1. TNA Post-Excavation Soil Characterization Data Remaining for Explosives at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	1,3,5-TNB			1,3-DNB			2,4,6-TNT			2,4-DNT			HMX			RDX		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							102	---	---	---	---	---	196	---	---	8.7	---	---	51,000	---	---	53	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	47.6	---	---	---	---	---	---	---	---	---	---	
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^b :							32,000	---	---	82	---	---	9,600	---	---	740	---	---	57,000	---	---	3,800	---	---
<i>Eco CC</i> ^c :							---	---	---	<i>0.31</i>	---	---	<i>3.55</i>	---	---	---	---	---	<i>15.2</i>	---	---	<i>25.6</i>	---	---
100101	L1101001	691685	93330		0.0	1.0																		
100101	L1101002	691685	93330		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
100101	L1101003	691685	93330		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
100101	L1101004	691685	93330		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
100102	L1101005	691685	93369		0.0	1.0																		
100102	L1101006	691685	93369		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
100102	L1101007	691685	93369		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
100102	L1101008	691685	93369		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
100103	L1101009	691723	93308		0.0	1.0																		
100103	L1101010	691723	93308		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
100103	L1101011	691723	93308		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
100103	L1101012	691723	93308		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
100201	L1102001	691824	93116		1.0	2.0										0.430	0.43	U						
100201	L1102002	691824	93116		2.0	4.0										0.420	0.42	U						
100202	L1102003	691834	93110		1.0	2.0										0.430	0.43	U						
100202	L1102004	691834	93110		2.0	4.0										0.440	0.44	U						
100203	L1102005	691839	93129		1.0	2.0										0.450	0.45	U						
100203	L1102006	691839	93129		2.0	4.0										0.440	0.44	U						
100204	L1102007	691851	93109		1.0	2.0										0.410	0.41	U						
100204	L1102008	691851	93109		2.0	4.0										0.430	0.43	U						
100205	L1102009	691838	93090		1.0	2.0										0.400	0.4	U						
100205	L1102010	691838	93090		2.0	4.0										0.410	0.41	U						
100205	L1102011	691838	93090		2.0	4.0										0.420	0.42	U						
100206	L1102012	691842	93123		1.0	2.0										0.420	0.42	U						
100206	L1102013	691842	93123		2.0	4.0										0.420	0.42	U						
100302	L1103005	691754	93117		0.0	1.0																		
100302	L1103006	691754	93117		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
100302	L1103007	691754	93117		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
100302	L1103008	691754	93117		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
100303	L1103009	691803	93111		0.0	1.0																		
100303	L1103010	691803	93111		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
100303	L1103011	691803	93111		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
100303	L1103012	691803	93111		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
100304	L1103013	691776	93096		0.0	1.0																		
100304	L1103014	691776	93096		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
100304	L1103015	691776	93096		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
100304	L1103016	691776	93096		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U

Table B-2-1. TNA Post-Excavation Soil Characterization Data Remaining for Explosives at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	1,3,5-TNB			1,3-DNB			2,4,6-TNT			2,4-DNT			HMX			RDX		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							102	---	---	---	---	---	196	---	---	8.7	---	---	51,000	---	---	53	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	47.6	---	---	---	---	---	---	---	---	---	---	
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^b :							32,000	---	---	82	---	---	9,600	---	---	740	---	---	57,000	---	---	3,800	---	---
<i>Eco CC</i> ^c :							---	---	---	<i>0.31</i>	---	---	<i>3.55</i>	---	---	---	---	<i>15.2</i>	---	---	<i>25.6</i>	---	---	
100304	L1103017	691776	93096		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
100305	L1103018	692112	92187		0.0	1.0																		
100305	L1103019	692112	92187		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
100305	L1103020	692112	92187		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
100305	L1103021	692112	92187		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
100401	L1104001	691772	93135		0.0	1.0																		
100401	L1104002	691772	93135		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
100401	L1104003	691772	93135		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
100401	L1104004	691772	93135		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
100402	L1104005	691742	93216		0.0	1.0																		
100402	L1104006	691742	93216		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
100402	L1104007	691742	93216		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
100402	L1104008	691742	93216		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
100403	L1104009	691792	93152		0.0	1.0																		
100403	L1104010	691792	93152		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
100403	L1104011	691792	93152		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
100403	L1104012	691792	93152		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
100404	L1104013	691796	93140		0.0	1.0																		
100404	L1104014	691796	93140		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
100404	L1104015	691796	93140		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
100404	L1104016	691796	93140		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
100501	L1105001	691921	92838		0.0	1.0																		
100501	L1105002	691921	92838		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	0.980	0.98	U
100501	L1105003	691921	92838		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
100501	L1105004	691921	92838		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	0.980	0.98	U
100502	L1105005	691921	92844		0.0	1.0																		
100502	L1105006	691921	92844		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
100502	L1105007	691921	92844		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	0.990	0.99	U
100502	L1105008	691921	92844		2.0	4.0	0.240	0.24	U	0.240	0.24	U	0.240	0.24	U	0.240	0.24	U	2.100	2.1	U	0.970	0.97	U
100502	L1105009	691921	92844		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.330	2.2		0.990	0.99	U
100503	L1105010	691915	92797		0.0	1.0																		
100503	L1105011	691915	92797		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
100503	L1105012	691915	92797		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
100503	L1105013	691915	92797		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
100504	L1105014	691932	92802		0.0	1.0																		
100504	L1105015	691932	92802		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
100504	L1105016	691932	92802		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.210	2.2		1.000	1	U

Table B-2-1. TNA Post-Excavation Soil Characterization Data Remaining for Explosives at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	1,3,5-TNB			1,3-DNB			2,4,6-TNT			2,4-DNT			HMX			RDX		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							102	---	---	---	---	---	196	---	---	8.7	---	---	51,000	---	---	53	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	47.6	---	---	---	---	---	---	---	---	---	---	
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^b :							32,000	---	---	82	---	---	9,600	---	---	740	---	---	57,000	---	---	3,800	---	---
<i>Eco CC</i> ^c :							---	---	---	<i>0.31</i>	---	---	<i>3.55</i>	---	---	---	---	---	<i>15.2</i>	---	---	<i>25.6</i>	---	---
100504	L1105017	691932	92802		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
100505	L1105018	691911	92799		0.0	1.0																		
100505	L1105019	691911	92799		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
100505	L1105020	691911	92799		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
100505	L1105021	691911	92799		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
100506	L1105022	691896	92792		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
100506	L1105023	691896	92792		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
100506	L1105024	691896	92792		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
100509	L1105035	691899	92831		0.0	1.0																		
100509	L1105036	691899	92831		1.0	2.0	0.240	0.24	U	0.240	0.24	U	0.240	0.24	U	0.240	0.24	U	0.110	2.1		0.980	0.98	U
100509	L1105037	691899	92831		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.100	2.2		1.000	1	U
100509	L1105038	691899	92831		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	0.990	0.99	U
100510	L1105055	691886	92945		0.0	1.0																		
100510	L1105056	691886	92945		1.0	2.0	0.240	0.24	U	0.240	0.24	U	0.240	0.24	U	0.240	0.24	U	2.100	2.1	U	0.980	0.98	U
100510	L1105057	691886	92945		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.360	2.2		1.000	1	U
100510	L1105058	691886	92945		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	0.980	0.98	U
100511	L1105059	691877	92995		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.000	2.2		1.000	1	U
100511	L1105060	691877	92995		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.880	2.2		0.230	1	
100511	L1105061	691877	92995		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	1.000	2.2		0.180	1	
100511	L1105062	691877	92995		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	1.400	2.2		0.290	1	
100512	L1105063	691842	92972		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
100512	L1105064	691842	92972		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2		0.086	1	
100512	L1105065	691842	92972		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.067	0.25		0.250	0.25	U	1.600	2.2		0.083	1	
100513	L1105066	691845	92995		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
100513	L1105067	691845	92995		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
100513	L1105068	691845	92995		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	0.990	0.99	U
100514	L1105069	691849	92986		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
100514	L1105070	691849	92986		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
100514	L1105071	691849	92986		4.0	5.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
100517	L1105079	691867	93001		0.0	1.0																		
100517	L1105080	691867	93001		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	1.000	2.2		1.000	1	U
100517	L1105081	691867	93001		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.290	2.2		1.000	1	U
100517	L1105082	691867	93001		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
100519	L1105088	691864	92940		0.0	1.0																		
100519	L1105089	691864	92940		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
100519	L1105090	691864	92940		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	0.990	0.99	U
100519	L1105091	691864	92940		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U

Table B-2-1. TNA Post-Excavation Soil Characterization Data Remaining for Explosives at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	1,3,5-TNB			1,3-DNB			2,4,6-TNT			2,4-DNT			HMX			RDX		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							102	---	---	---	---	---	196	---	---	8.7	---	---	51,000	---	---	53	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	47.6	---	---	---	---	---	---	---	---	1.3	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^b :							32,000	---	---	82	---	---	9,600	---	---	740	---	---	57,000	---	---	3,800	---	---
<i>Eco CC</i> ^c :							---	---	---	0.31	---	---	3.55	---	---	---	---	---	15.2	---	---	25.6	---	---
100521	L1105096	691911	92849		0.0	1.0																		
100521	L1105097	691911	92849		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
100521	L1105098	691911	92849		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
100521	L1105099	691911	92849		4.0	6.0	0.240	0.24	U	0.240	0.24	U	0.240	0.24	U	0.240	0.24	U	2.100	2.1	U	0.980	0.98	U
100601	L1106001	691750	92646		0.0	1.0																		
100601	L1106002	691750	92646		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.190	2.2		1.000	1	U
100601	L1106003	691750	92646		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.210	2.2		0.990	0.99	U
100601	L1106004	691750	92646		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.260	2.2		1.000	1	U
100601	L1106005	691750	92646		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.290	2.2		1.000	1	U
100602	L1106006	691739	92639		0.0	1.0																		
100602	L1106007	691739	92639		1.0	2.0	0.150	0.25		0.250	0.25	U	2.200	0.25		0.250	0.25	U	0.750	2.2		1.000	1	U
100602	L1106008	691739	92639		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.130	2.2		1.000	1	U
100602	L1106009	691739	92639		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
100603	L1106010	691621	93000		0.0	1.0																		
100603	L1106011	691621	93000		1.0	2.0	0.240	0.24	U	0.240	0.24	U	0.240	0.24	U	0.240	0.24	U	2.100	2.1	U	0.960	0.96	U
100603	L1106012	691621	93000		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	0.990	0.99	U
100603	L1106013	691621	93000		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
100604	L1106014	691632	93007		0.0	1.0																		
100604	L1106015	691632	93007		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.230	0.25		0.250	0.25	U	2.200	2.2	U	1.000	1	U
100604	L1106016	691632	93007		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.170	2.2		1.000	1	U
100604	L1106017	691632	93007		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.170	0.25		0.250	0.25	U	2.200	2.2	U	1.000	1	U
100701	L1107001	692002	92830		0.0	1.0																		
100701	L1107002	692002	92830		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
100701	L1107003	692002	92830		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
100702	L1107005	692023	92845		0.0	1.0																		
100702	L1107006	692023	92845		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
100702	L1107007	692023	92845		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
100702	L1107008	692023	92845		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
100703	L1107009	692034	92800		0.0	1.0																		
100703	L1107010	692034	92800		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
100703	L1107011	692034	92800		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
100703	L1107012	692034	92800		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
100801	L1108001	691700	92779		0.0	1.0																		
100801	L1108002	691700	92779		1.0	2.0	0.240	0.24	U	0.240	0.24	U	0.240	0.24	U	0.240	0.24	U	2.100	2.1	U	0.970	0.97	U
100801	L1108003	691700	92779		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	0.980	0.98	U
100801	L1108004	691700	92779		2.0	4.0	0.240	0.24	U	0.240	0.24	U	0.240	0.24	U	0.240	0.24	U	2.100	2.1	U	0.970	0.97	U
100801	L1108005	691700	92779		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	0.990	0.99	U

Table B-2-1. TNA Post-Excavation Soil Characterization Data Remaining for Explosives at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	1,3,5-TNB			1,3-DNB			2,4,6-TNT			2,4-DNT			HMX			RDX		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							102	---	---	---	---	---	196	---	---	8.7	---	---	51,000	---	---	53	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	47.6	---	---	---	---	---	---	---	1.3	---	---	
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^b :							32,000	---	---	82	---	---	9,600	---	---	740	---	---	57,000	---	---	3,800	---	---
<i>Eco CC</i> ^c :							---	---	---	<i>0.31</i>	---	---	<i>3.55</i>	---	---	---	---	---	<i>15.2</i>	---	---	<i>25.6</i>	---	---
100802	L1108006	691723	92706		0.0	1.0																		
100802	L1108006A	691723	92706		0.0	1.0																		
100802	L1108007	691723	92706		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
100802	L1108007A	691723	92706		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
100802	L1108008	691723	92706		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
100802	L1108008A	691723	92706		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
100802	L1108009	691723	92706		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
100802	L1108009A	691723	92706		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
100803	L1108010	691715	92725		0.0	1.0																		
100803	L1108011	691715	92725		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.190	2.2		1.000	1	U
100803	L1108012	691715	92725		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.190	2.2		1.000	1	U
100803	L1108013	691715	92725		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.160	2.2		1.000	1	U
100805	L1108018	691709	92730		0.0	1.0																		
100805	L1108019	691709	92730		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.230	0.25		0.250	0.25	U	0.540	2.2		1.000	1	U
100805	L1108020	691709	92730		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.870	2.2		1.000	1	U
100805	L1108021	691709	92730		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	2.2		1.000	1	U
101001	L1110001	691959	92688		0.0	1.0																		
101001	L1110002	691959	92688		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.180	2.2		1.000	1	U
101001	L1110003	691959	92688		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.200	2.2		1.000	1	U
101001	L1110004	691959	92688		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	2.2		1.000	1	U
101004	L1110016	691978	92653		0.0	1.0																		
101004	L1110017	691978	92653		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.140	0.25		0.250	0.25	U	2.200	2.2	U	1.000	1	U
101004	L1110018	691978	92653		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
101004	L1110019	691978	92653		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
101005	L1110037	691993	92609		0.0	1.0																		
101005	L1110038	691993	92609		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.760	2.2		1.000	1	U
101005	L1110039	691993	92609		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
101005	L1110040	691993	92609		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
101006	L1110025	691952	92623		0.0	1.0																		
101006	L1110026	691952	92623		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
101006	L1110027	691952	92623		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
101006	L1110028	691952	92623		4.0	5.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
101007	L1110029	691971	92576		0.0	1.0																		
101007	L1110030	691971	92576		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.077	2.2		1.000	1	U
101008	L1110033	691999	92585		0.0	1.0																		
101008	L1110034	691999	92585		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
101008	L1110035	691999	92585		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U

Table B-2-1. TNA Post-Excavation Soil Characterization Data Remaining for Explosives at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	1,3,5-TNB			1,3-DNB			2,4,6-TNT			2,4-DNT			HMX			RDX		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							102	---	---	---	---	---	196	---	---	8.7	---	---	51,000	---	---	53	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	47.6	---	---	---	---	---	---	---	1.3	---	---	
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^b :							32,000	---	---	82	---	---	9,600	---	---	740	---	---	57,000	---	---	3,800	---	---
<i>Eco CC</i> ^c :							---	---	---	<i>0.31</i>	---	---	<i>3.55</i>	---	---	---	---	<i>15.2</i>	---	---	<i>25.6</i>	---	---	
101008	L1110036	691999	92585		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
101009	L1110021	691999	92618		0.0	1.0																		
101009	L1110022	691999	92618		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.540	2.2		1.000	1	U
101009	L1110023	691999	92618		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
101009	L1110024	691999	92618		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
101101	L1111001	691809	93287		0.0	1.0																		
101101	L1111002	691809	93287		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
101101	L1111003	691809	93287		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	0.990	0.99	U
101101	L1111004	691809	93287		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
101102	L1111005	691832	93269		0.0	1.0																		
101102	L1111006	691832	93269		2.0	4.0																		
101103	L1111007	691812	93314		0.0	1.0																		
101103	L1111008	691812	93314		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
101103	L1111009	691812	93314		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	0.990	0.99	U
101103	L1111010	691812	93314		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
101104	L1111011	691845	93331		0.0	1.0																		
101104	L1111012	691845	93331		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
101104	L1111013	691845	93331		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
101104	L1111014	691845	93331		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
101105	L1111015	691894	93311		0.0	1.0																		
101105	L1111016	691894	93311		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
101105	L1111017	691894	93311		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
101105	L1111018	691894	93311		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
101106	L1111019	691911	93281		0.0	1.0																		
101106	L1111020	691911	93281		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
101106	L1111022	691911	93281		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
101106	L1111023	691911	93281		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	0.990	0.99	U
101107	L1111024	691838	93244		0.0	1.0																		
101107	L1111025	691838	93244		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
101107	L1111026	691838	93244		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
101107	L1111027	691838	93244		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
101201	L1112001	692036	92381		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
101201	L1112001A	692036	92381		0.0	1.0																		
101201	L1112002	692036	92381		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
101201	L1112003	692036	92381		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
101201	L1112004	692036	92381		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
101204	L1112011A	692080	92344		0.0	1.0																		

Table B-2-1. TNA Post-Excavation Soil Characterization Data Remaining for Explosives at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	1,3,5-TNB			1,3-DNB			2,4,6-TNT			2,4-DNT			HMX			RDX		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							102	---	---	---	---	---	196	---	---	8.7	---	---	51,000	---	---	53	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	47.6	---	---	---	---	---	---	---	1.3	---	---	
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^b :							32,000	---	---	82	---	---	9,600	---	---	740	---	---	57,000	---	---	3,800	---	---
<i>Eco CC</i> ^c :							---	---	---	<i>0.31</i>	---	---	<i>3.55</i>	---	---	---	---	<i>15.2</i>	---	---	<i>25.6</i>	---	---	
101204	L1112012	692080	92344		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
101204	L1112013	692080	92344		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
101205	L1112014	692105	92261		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
101205	L1112014A	692105	92261		0.0	1.0																		
101205	L1112015	692105	92261		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
101205	L1112016	692105	92261		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
101206	L1112017	692086	92238		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
101206	L1112017A	692086	92238		0.0	1.0																		
101206	L1112018	692086	92238		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
101206	L1112019	692086	92238		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
101207	L1112020	692050	92340		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
101207	L1112020A	692050	92340		0.0	1.0																		
101207	L1112021	692050	92340		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
101207	L1112022	692050	92340		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
101208	L1112023	692041	92462		0.0	1.0																		
101208	L1112024	692041	92462		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
101208	L1112025	692041	92462		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
101208	L1112026	692041	92462		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
101208	L1112027	692041	92462		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
101209	L1112028	692063	92389		0.0	1.0																		
101209	L1112029	692063	92389		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.170	2.2		1.000	1	U
101209	L1112030	692063	92389		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	2.2		1.000	1	U
101209	L1112031	692063	92389		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
101210	L1112033	692085	92323		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
101210	L1112034	692085	92323		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
101210	L1112036	692085	92323		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
101210	L111232	692085	92323		0.0	1.0																		
101211	L1112037	692098	92292		0.0	1.0																		
101211	L1112038	692098	92292		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
101211	L1112039	692098	92292		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
101211	L1112040	692098	92292		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
101212	L1112041	692076	92256		0.0	1.0																		
101212	L1112042	692076	92256		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
101212	L1112043	692076	92256		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.220	2.2		1.000	1	U
101212	L1112044	692076	92256		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
101213	L1112045	692055	92294		0.0	1.0																		
101213	L1112046	692055	92294		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U

Table B-2-1. TNA Post-Excavation Soil Characterization Data Remaining for Explosives at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	1,3,5-TNB			1,3-DNB			2,4,6-TNT			2,4-DNT			HMX			RDX		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							102	---	---	---	---	---	196	---	---	8.7	---	---	51,000	---	---	53	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	47.6	---	---	---	---	---	---	---	---	---	---	
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^b :							32,000	---	---	82	---	---	9,600	---	---	740	---	---	57,000	---	---	3,800	---	---
<i>Eco CC</i> ^c :							---	---	---	<i>0.31</i>	---	---	<i>3.55</i>	---	---	---	---	---	<i>15.2</i>	---	---	<i>25.6</i>	---	---
101213	L1112047	692055	92294		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
101213	L1112048	692055	92294		2.0	4.0											0.42	U						
101213	L1112049	692055	92294		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
101301	L1113001	691873	92319		0.0	1.0																		
101301	L1113002	691873	92319		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
101301	L1113003	691873	92319		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
101301	L1113004	691873	92319		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
101302	L1113006	691868	92338		0.0	1.0																		
101302	L1113007	691868	92338		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
101302	L1113008	691868	92338		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
101302	L1113009	691868	92338		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
101303	L1113010	691845	92407		0.0	1.0																		
101303	L1113011	691845	92407		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
101303	L1113012	691845	92407		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
101303	L1113013	691845	92407		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
101304	L1113014	691870	92409		2.0	4.0																		
101304	L1113015	691870	92409		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
101304	L1113016	691870	92409		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
101304	L1113017	691870	92409		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
101305	L1113018	691882	92387		0.0	1.0																		
101305	L1113019	691882	92387		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
101305	L1113020	691882	92387		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
101305	L1113021	691882	92387		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
101306	L1113024	691889	94486		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
101307	L1113023	691900	92319		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
101307	L1113027	691900	92319		0.0	1.0																		
101307	L1113028	691900	92319		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
101308	L11130035	691875	92309		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
101308	L1113031	691875	92309		0.0	1.0																		
101308	L1113032	691875	92309		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
101308	L1113033	691875	92309		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
101308	L1113034	691875	92309		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
101309	L1113036	691881	92297		0.0	1.0																		
101309	L1113037	691881	92297		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
101309	L1113038	691881	92297		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
101309	L1113039	691881	92297		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
101401	L1114001	691797	92489		0.0	1.0																		

Table B-2-1. TNA Post-Excavation Soil Characterization Data Remaining for Explosives at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	1,3,5-TNB			1,3-DNB			2,4,6-TNT			2,4-DNT			HMX			RDX		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							102	---	---	---	---	---	196	---	---	8.7	---	---	51,000	---	---	53	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	47.6	---	---	---	---	---	---	---	---	---	---	
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^b :							32,000	---	---	82	---	---	9,600	---	---	740	---	---	57,000	---	---	3,800	---	---
<i>Eco CC</i> ^c :							---	---	---	<i>0.31</i>	---	---	<i>3.55</i>	---	---	---	---	---	<i>15.2</i>	---	---	<i>25.6</i>	---	---
101401	L1114002	691797	92489		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
101401	L1114003	691797	92489		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
101401	L1114004	691797	92489		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
101402	L1114005	691814	92487		0.0	1.0																		
101402	L1114006	691814	92487		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
101402	L1114007	691814	92487		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
101402	L1114008	691814	92487		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
101501	L1115001	691936	92124		0.0	1.0																		
101501	L1115002	691936	92124		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
101501	L1115003	691936	92124		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
101501	L1115004	691936	92124		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
101502	L1115005	691916	92117		0.0	1.0																		
101502	L1115006	691916	92117		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
101502	L1115007	691916	92117		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
101502	L1115008	691916	92117		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
101503	L1115009	691925	92088		0.0	1.0																		
101503	L1115010	691925	92088		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
101503	L1115011	691925	92088		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
101503	L1115012	691925	92088		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
101504	L1115014	691931	92075		0.0	1.0																		
101504	L1115015	691931	92075		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
101504	L1115016	691931	92075		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
101504	L1115017	691931	92075		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
101505	L1115018	691943	92106		0.0	1.0																		
101505	L1115019	691943	92106		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
101505	L1115020	691943	92106		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
101505	L1115021	691943	92106		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
101506	L1115022	691950	92080		0.0	1.0																		
101506	L1115023	691950	92080		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
101506	L1115024	691950	92080		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
101506	L1115025	691950	92080		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
101601	L1116001	692018	92532		1.0	2.0																		
101602	L1116002	692025	92510		1.0	2.0																		
101604	L1116005	692012	92535		1.0	2.0																		
101605	L1116006	692003	92526		1.0	2.0																		
101605	L1116007	692003	92526		1.0	2.0																		
101901	L1119001	691756	92245		0.0	1.0																		

Table B-2-1. TNA Post-Excavation Soil Characterization Data Remaining for Explosives at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	1,3,5-TNB			1,3-DNB			2,4,6-TNT			2,4-DNT			HMX			RDX		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							102	---	---	---	---	---	196	---	---	8.7	---	---	51,000	---	---	53	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	47.6	---	---	---	---	---	---	---	1.3	---	---	
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^b :							32,000	---	---	82	---	---	9,600	---	---	740	---	---	57,000	---	---	3,800	---	---
<i>Eco CC</i> ^c :							---	---	---	<i>0.31</i>	---	---	<i>3.55</i>	---	---	---	---	<i>15.2</i>	---	---	<i>25.6</i>	---	---	
101901	L1119002	691756	92245		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
101901	L1119003	691756	92245		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
101901	L1119004	691756	92245		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
101902	L1119005	691701	92291		0.0	1.0																		
101902	L1119006	691701	92291		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
101902	L1119007	691701	92291		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
101902	L1119008	691701	92291		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
101903	L1119011	691682	92349		0.0	1.0																		
101903	L1119012	691682	92349		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
101903	L1119013	691682	92349		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
101903	L1119014	691682	92349		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	15.000	2.2		1.000	1	U
101904	L1119015	691752	92256		0.0	1.0																		
101904	L1119016	691752	92256		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
101904	L1119017	691752	92256		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
101904	L1119018	691752	92256		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
101905	L1119019	691756	92280		0.0	1.0																		
101905	L1119020	691756	92280		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
101905	L1119021	691756	92280		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
101905	L1119022	691756	92280		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
103601	L1136001	691816	93159		0.0	1.0																		
103601	L1136002	691816	93159		1.0	2.0										0.410	0.41	U						
103601	L1136003	691816	93159		2.0	4.0										0.430	0.43	U						
103602	L1136004	691819	93152		0.0	1.0																		
103602	L1136005	691819	93152		1.0	2.0										0.430	0.43	U						
103602	L1136006	691819	93152		2.0	4.0										0.440	0.44	U						
103603	L1136007	691811	93151		0.0	1.0																		
103603	L1136008	691811	93151		1.0	2.0										0.420	0.42	U						
103603	L1136009	691811	93151		2.0	4.0										0.430	0.43	U						
104001	L1140001	691989	92970		0.0	1.0																		
104001	L1140002	691989	92970		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
104001	L1140003	691989	92970		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
104001	L1140004	691989	92970		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
104002	L1140005	691966	92968		0.0	1.0																		
104002	L1140007	691966	92968		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
104002	L1140008	691966	92968		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
104002	L1140009	691966	92968		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
104003	L1140010	692020	92953		0.0	1.0																		

Table B-2-1. TNA Post-Excavation Soil Characterization Data Remaining for Explosives at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	1,3,5-TNB			1,3-DNB			2,4,6-TNT			2,4-DNT			HMX			RDX		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							102	---	---	---	---	---	196	---	---	8.7	---	---	51,000	---	---	53	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	47.6	---	---	---	---	---	---	---	1.3	---	---	
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^b :							32,000	---	---	82	---	---	9,600	---	---	740	---	---	57,000	---	---	3,800	---	---
<i>Eco CC</i> ^c :							---	---	---	<i>0.31</i>	---	---	<i>3.55</i>	---	---	---	---	<i>15.2</i>	---	---	<i>25.6</i>	---	---	
104003	L1140011	692020	92953		0.0	1.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
104003	L1140013	692020	92953		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
104003	L1140014	692020	92953		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
104004	L1140015	691950	92925		0.0	1.0																		
104004	L1140016	691950	92925		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
104004	L1140017	691950	92925		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
104004	L1140018	691950	92925		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
104005	L1140006	692034	92912		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
104005	L1140020	692034	92912		0.0	1.0																		
104005	L1140021	692034	92912		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
104005	L1140022	692034	92912		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
104005	L1140023	692034	92912		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
104006	L1140024	692023	92873		0.0	1.0																		
104006	L1140025	692023	92873		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
104006	L1140026	692023	92873		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
104006	L1140027	692023	92873		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
104007	L1140028	691983	92874		0.0	1.0																		
104007	L1140029	691983	92874		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
104007	L1140030	691983	92874		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
105001	L1150001	691709	92844		1.0	2.0	0.240	0.24	U	0.240	0.24	U	0.240	0.24	U	0.240	0.24	U	2.100	2.1	U	0.960	0.96	U
105001	L1150002	691709	92844		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
105001	L1150003	691709	92844		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	0.980	0.98	U
105003	L1150007	691689	92828		0.0	1.0																		
105003	L1150008	691689	92828		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
105003	L1150009	691689	92828		2.0	4.0	0.240	0.24	U	0.240	0.24	U	0.240	0.24	U	0.240	0.24	U	2.100	2.1	U	0.970	0.97	U
105003	L1150010	691689	92828		4.0	6.0	0.240	0.24	U	0.240	0.24	U	0.240	0.24	U	0.240	0.24	U	2.100	2.1	U	0.960	0.96	U
105004	L1150011	691716	92826		0.0	1.0																		
105004	L1150012	691716	92826		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
105004	L1150013	691716	92826		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
105004	L1150014	691716	92826		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
105301	L1153001	692136	92161		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
105301	L1153001A	692136	92161		0.0	1.0																		
105301	L1153003	692136	92161		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
105301	L1153004	692136	92161		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
105302	L1153002	692145	92145		0.0	1.0																		
105302	L1153005	692145	92145		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
105302	L1153005A	692145	92145		0.0	1.0																		

Table B-2-1. TNA Post-Excavation Soil Characterization Data Remaining for Explosives at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	1,3,5-TNB			1,3-DNB			2,4,6-TNT			2,4-DNT			HMX			RDX		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							102	---	---	---	---	---	196	---	---	8.7	---	---	51,000	---	---	53	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	47.6	---	---	---	---	---	---	---	---	---	---	
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^b :							32,000	---	---	82	---	---	9,600	---	---	740	---	---	57,000	---	---	3,800	---	---
<i>Eco CC</i> ^c :							---	---	---	<i>0.31</i>	---	---	<i>3.55</i>	---	---	---	---	<i>15.2</i>	---	---	<i>25.6</i>	---	---	
105302	L1153006	692145	92145		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
105302	L1153007	692145	92145		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
105303	L1153008	692108	92140		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
105303	L1153008A	692108	92140		0.0	1.0																		
105303	L1153009	692108	92140		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
105303	L1153010	692108	92140		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
106002	L1160006	691662	92877		0.0	1.0																		
106002	L1160007	691662	92877		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
106002	L1160008	691662	92877		2.0	4.0	0.240	0.24	U	0.240	0.24	U	0.240	0.24	U	0.240	0.24	U	2.100	2.1	U	0.970	0.97	U
106002	L1160009	691662	92877		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	0.990	0.99	U
106003	L1160010	691680	92888		0.0	1.0																		
106003	L1160011	691680	92888		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	0.990	0.99	U
106003	L1160012	691680	92888		2.0	4.0	0.240	0.24	U	0.240	0.24	U	0.240	0.24	U	0.240	0.24	U	2.100	2.1	U	0.970	0.97	U
106003	L1160013	691680	92888		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	0.980	0.98	U
106003	L1160014	691680	92888		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
106004	L1160015	691680	92900		0.0	1.0																		
106004	L1160016	691680	92900		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	0.990	0.99	U
106004	L1160017	691680	92900		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
106004	L1160019	691680	92900		4.0	6.0	0.240	0.24	U	0.240	0.24	U	0.240	0.24	U	0.240	0.24	U	2.100	2.1	U	0.980	0.98	U
106101	L1161001	691947	93086		0.0	1.0																		
106101	L1161002	691947	93086		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
106101	L1161003	691947	93086		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
106101	L1161004	691947	93086		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
106102	L1161005	691909	93057		0.0	1.0																		
106102	L1161006	691909	93057		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
106102	L1161007	691909	93057		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
106102	L1161008	691909	93057		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
106102	L1161009	691909	93057		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
106104	L1161014	691956	93011		0.0	1.0																		
106104	L1161015	691956	93011		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
106104	L1161016	691956	93011		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
106104	L1161017	691956	93011		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
106301	L1163009	692099	92970		0.0	1.0																		
106301	L1163010	692099	92970		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
106301	L1163011	692099	92970		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
106301	L1163012	692099	92970		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
106302	L1163013	692094	92997		0.0	1.0																		

Table B-2-1. TNA Post-Excavation Soil Characterization Data Remaining for Explosives at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	1,3,5-TNB			1,3-DNB			2,4,6-TNT			2,4-DNT			HMX			RDX		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							102	---	---	---	---	---	196	---	---	8.7	---	---	51,000	---	---	53	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	47.6	---	---	---	---	---	---	---	1.3	---	---	
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^b :							32,000	---	---	82	---	---	9,600	---	---	740	---	---	57,000	---	---	3,800	---	---
<i>Eco CC</i> ^c :							---	---	---	<i>0.31</i>	---	---	<i>3.55</i>	---	---	---	---	---	<i>15.2</i>	---	---	<i>25.6</i>	---	---
106302	L1163015	692094	92997		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
106302	L1163016	692094	92997		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
106303	L1163017	692099	93024		0.0	1.0																		
106303	L1163018	692099	93024		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
106303	L1163019	692099	93024		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
106303	L1163020	692099	93024		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
106304	L1163021	692101	93040		0.0	1.0																		
106304	L1163022	692101	93040		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
106304	L1163023	692101	93040		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
106304	L1163024	692101	93040		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
106305	L1163025	692073	93131		0.0	1.0																		
106305	L1163026	692073	93131		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
106305	L1163027	692073	93131		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
106305	L1163028	692073	93131		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
106305	L1163029	692073	93131		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
106306	L1163030	692055	93147		0.0	1.0																		
106306	L1163031	692055	93147		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
106306	L1163032	692055	93147		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
106306	L1163033	692055	93147		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
106307	L1163034	692088	93113		0.0	1.0																		
106307	L1163035	692088	93113		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
106307	L1163036	692088	93113		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
106307	L1163037	692088	93113		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
106308	L1163038	692094	93102		0.0	1.0																		
106308	L1163039	692094	93102		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.890	2.2		1.000	1	U
106308	L1163040	692094	93102		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
106308	L1163041	692094	93102		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
106401	L1164001	692022	93174		0.0	1.0																		
106401	L1164002	692022	93174		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
106401	L1164003	692022	93174		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
106401	L1164004	692022	93174		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
106401	L1164018	692022	93174		0.0	1.0																		
106402	L1164005	692011	93185		0.0	1.0																		
106402	L1164006	692011	93185		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
106402	L1164007	692011	93185		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
106402	L1164008	692011	93185		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
106403	L1164009	692000	93195		0.0	1.0																		

Table B-2-1. TNA Post-Excavation Soil Characterization Data Remaining for Explosives at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	1,3,5-TNB			1,3-DNB			2,4,6-TNT			2,4-DNT			HMX			RDX		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							102	---	---	---	---	---	196	---	---	8.7	---	---	51,000	---	---	53	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	47.6	---	---	---	---	---	---	---	---	---	---	
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^b :							32,000	---	---	82	---	---	9,600	---	---	740	---	---	57,000	---	---	3,800	---	---
<i>Eco CC</i> ^c :							---	---	---	<i>0.31</i>	---	---	<i>3.55</i>	---	---	---	---	<i>15.2</i>	---	---	<i>25.6</i>	---	---	
106403	L1164010	692000	93195		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	2.2		1.000	1	U
106403	L1164011	692000	93195		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
106403	L1164012	692000	93195		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
106403	L1164013	692000	93195		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
106404	L1164014	691970	93215		2.0	4.0																		
106404	L1164015	691970	93215		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
106404	L1164016	691970	93215		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
106404	L1164017	691970	93215		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
106501	L1165001	692089	92859		0.0	1.0																		
106501	L1165002	692089	92859		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.140	2.2		1.000	1	U
106501	L1165003	692089	92859		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
106501	L1165004	692089	92859		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
106501	L1165005	692089	92859		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
106502	L1165006	692086	92848		0.0	1.0																		
106502	L1165007	692086	92848		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
106502	L1165008	692086	92848		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
106502	L1165009	692086	92848		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
106503	L1165010	692175	92980		0.0	1.0																		
106503	L1165011	692175	92980		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
106503	L1165012	692175	92980		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
106503	L1165013	692175	92980		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
106503	L1165030	692175	92980		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
106504	L1165014	692161	92912		0.0	1.0																		
106504	L1165015	692161	92912		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.069	2.2		1.000	1	U
106504	L1165016	692161	92912		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.380	0.25		2.200	2.2	U	1.000	1	U
106504	L1165017	692161	92912		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
106505	L1165018	692194	92823		0.0	1.0																		
106505	L1165019	692194	92823		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
106505	L1165020	692194	92823		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
106505	L1165021	692194	92823		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
106506	L1165022	692273	92884		0.0	1.0																		
106506	L1165023	692273	92884		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
106506	L1165024	692273	92884		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
106506	L1165025	692273	92884		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
106507	L1165026	692267	92904		0.0	1.0																		
106507	L1165027	692267	92904		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
106507	L1165028	692267	92904		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U

Table B-2-1. TNA Post-Excavation Soil Characterization Data Remaining for Explosives at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	1,3,5-TNB			1,3-DNB			2,4,6-TNT			2,4-DNT			HMX			RDX		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							102	---	---	---	---	---	196	---	---	8.7	---	---	51,000	---	---	53	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	47.6	---	---	---	---	---	---	---	---	---	---	
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^b :							32,000	---	---	82	---	---	9,600	---	---	740	---	---	57,000	---	---	3,800	---	---
<i>Eco CC</i> ^c :							---	---	---	<i>0.31</i>	---	---	<i>3.55</i>	---	---	---	---	<i>15.2</i>	---	---	<i>25.6</i>	---	---	
106507	L1165029	692267	92904		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
106507	L1165031	692267	92904		0.0	1.0																		
106601	L1166001	691723	92395		0.0	1.0																		
106601	L1166002	691723	92395		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
106601	L1166003	691723	92395		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
106601	L1166004	691723	92395		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
106602	L1166007	691680	92381		0.0	1.0																		
106602	L1166008	691680	92381		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
106602	L1166009	691680	92381		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
106602	L1166010	691680	92381		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
106701	L1167001	691949	93193		0.0	1.0																		
106701	L1167002	691949	93193		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
106701	L1167003	691949	93193		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
106701	L1167004	691949	93193		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
106702	L1167005	691953	93162		0.0	1.0																		
106702	L1167006	691953	93162		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
106702	L1167007	691953	93162		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
106702	L1167008	691953	93162		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
106703	L1167009	691973	93141		0.0	1.0																		
106703	L1167010	691973	93141		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
106703	L1167011	691973	93141		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
106703	L1167012	691973	93141		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
107001	L1170001	691981	92458		0.0	1.0																		
107001	L1170002	691981	92458		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
107001	L1170003	691981	92458		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.095	0.25		0.250	0.25	U	2.000	2.2		1.000	1	U
107001	L1170004	691981	92458		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
107002	L1170005	691961	92498		0.0	1.0																		
107002	L1170006	691961	92498		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.350	2.2		1.000	1	U
107002	L1170007	691961	92498		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.120	0.25		0.250	0.25	U	0.220	2.2		0.084	1	
107002	L1170008	691961	92498		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.100	0.25		0.250	0.25	U	0.630	2.2		0.490	1	
107101	L1171001	691874	92664		0.0	1.0																		
107101	L1171002	691874	92664		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
107101	L1171003	691874	92664		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
107101	L1171004	691874	92664		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
107201	L1172001	691875	92586		0.0	1.0																		
107201	L1172002	691875	92586		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
107201	L1172003	691875	92586		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U

Table B-2-1. TNA Post-Excavation Soil Characterization Data Remaining for Explosives at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	1,3,5-TNB			1,3-DNB			2,4,6-TNT			2,4-DNT			HMX			RDX		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							102	---	---	---	---	---	196	---	---	8.7	---	---	51,000	---	---	53	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	47.6	---	---	---	---	---	---	---	1.3	---	---	
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^b :							32,000	---	---	82	---	---	9,600	---	---	740	---	---	57,000	---	---	3,800	---	---
<i>Eco CC</i> ^c :							---	---	---	<i>0.31</i>	---	---	<i>3.55</i>	---	---	---	---	<i>15.2</i>	---	---	<i>25.6</i>	---	---	
107201	L1172004	691875	92586		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
107201	L1172005	691875	92586		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
107303	L1173009	691882	92517		0.0	1.0																		
107303	L1173010	691882	92517		1.0	2.0	0.240	0.24	U	0.240	0.24	U	0.240	0.24	U	0.240	0.24	U	2.100	2.1	U	0.980	0.98	U
107303	L1173011	691882	92517		2.0	4.0	0.240	0.24	U	0.240	0.24	U	0.240	0.24	U	0.240	0.24	U	2.100	2.1	U	0.970	0.97	U
107303	L1173012	691882	92517		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
107304	L1173013	691895	92491		0.0	1.0																		
107304	L1173014	691895	92491		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
107304	L1173015	691895	92491		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
107304	L1173016	691895	92491		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
107305	L1173017	691925	92475		0.0	1.0																		
107305	L1173018	691925	92475		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
107305	L1173019	691925	92475		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
107305	L1173020	691925	92475		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
107401	L1174001	691962	92425		0.0	1.0																		
107401	L1174002	691962	92425		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.110	2.2		1.000	1	U
107401	L1174003	691962	92425		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.310	2.2		1.000	1	U
107401	L1174004	691962	92425		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.130	2.2		1.000	1	U
107501	L1175001	691970	92319		0.0	1.0																		
107501	L1175002	691970	92319		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
107501	L1175003	691970	92319		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
107501	L1175004	691970	92319		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.310	2.2		1.000	1	U
107601	L1176001	691995	92243		0.0	1.0																		
107601	L1176002	691995	92243		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
107601	L1176003	691995	92243		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
107601	L1176004	691995	92243		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
107601	L1176005	691995	92243		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
107701	L1177001	691839	93355		0.0	1.0																		
107701	L1177002	691839	93355		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	0.990	0.99	U
107701	L1177003	691839	93355		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	0.980	0.98	U
107701	L1177004	691839	93355		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
108501	L1185001	692145	93053		0.0	1.0																		
108501	L1185002	692145	93053		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
108501	L1185003	692145	93053		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
108501	L1185004	692145	93053		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
108502	L1185005	692193	93114		0.0	1.0																		
108502	L1185006	692193	93114		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U

Table B-2-1. TNA Post-Excavation Soil Characterization Data Remaining for Explosives at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	1,3,5-TNB			1,3-DNB			2,4,6-TNT			2,4-DNT			HMX			RDX		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							102	---	---	---	---	---	196	---	---	8.7	---	---	51,000	---	---	53	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	47.6	---	---	---	---	---	---	---	---	---	---	
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^b :							32,000	---	---	82	---	---	9,600	---	---	740	---	---	57,000	---	---	3,800	---	---
<i>Eco CC</i> ^c :							---	---	---	<i>0.31</i>	---	---	<i>3.55</i>	---	---	---	---	---	<i>15.2</i>	---	---	<i>25.6</i>	---	---
108502	L1185007	692193	93114		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
108502	L1185009	692193	93114		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
110001	L11100001	691889	92747		0.0	1.0																		
110001	L11100002	691889	92747		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
110001	L11100003	691889	92747		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
110001	L11100004	691889	92747		2.0	4.0	0.240	0.24	U	0.240	0.24	U	0.240	0.24	U	0.240	0.24	U	2.100	2.1	U	0.960	0.96	U
110003	L11100009	691958	92733		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
110003	L11100010	691958	92733		0.0	1.0																		
110003	L11100011	691958	92733		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
110003	L11100012	691958	92733		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
110003	L11100013	691958	92733		2.0	4.0	0.240	0.24	U	0.240	0.24	U	0.240	0.24	U	0.240	0.24	U	2.100	2.1	U	0.970	0.97	U
110003	L11100014	691958	92733		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	0.990	0.99	U
110021	L111002001	691703	92269		0.0	1.0																		
110021	L111002002	691703	92269		0.0	1.0																		
110021	L111002003	691703	92269		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
110021	L111002004	691703	92269		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
110021	L111002005	691703	92269		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
110021	L111002006	691703	92269		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
112421	L11124001	691974	93402		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
112421	L11124002	691974	93402		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
112421	L11124003	691974	93402		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
112422	L11124004	691977	93392		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
112422	L11124005	691977	93392		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
112422	L11124006	691977	93392		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
112423	L11124007	691956	93454		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
112423	L11124008	691956	93454		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
112423	L11124009	691956	93454		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
112901	L11129001	691933	93378		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
112901	L11129002	691933	93378		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
112901	L11129003	691933	93378		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
112902	L11129004	691961	93373		1.0	2.0										0.430	0.43	U						
112902	L11129005	691961	93373		2.0	4.0										0.430	0.43	U						
112902	L11129006	691961	93373		2.0	4.0										0.430	0.43	U						
112903	L11129007	691939	93367		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
112903	L11129008	691939	93367		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
112903	L11129009	691939	93367		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
115201	L11152001	691670	93440		1.0	2.0										0.420	0.42	U						

Table B-2-1. TNA Post-Excavation Soil Characterization Data Remaining for Explosives at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	1,3,5-TNB			1,3-DNB			2,4,6-TNT			2,4-DNT			HMX			RDX		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							102	---	---	---	---	---	196	---	---	8.7	---	---	51,000	---	---	53	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	47.6	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^b :							32,000	---	---	82	---	---	9,600	---	---	740	---	---	57,000	---	---	3,800	---	---
<i>Eco CC</i> ^c :							---	---	---	<i>0.31</i>	---	---	<i>3.55</i>	---	---	---	---	<i>15.2</i>	---	---	<i>25.6</i>	---	---	
115201	L11152002	691670	93440		2.0	4.0									0.420	0.42	U							
115202	L11152003	691677	93430		1.0	2.0									0.430	0.43	U							
115202	L11152004	691677	93430		2.0	4.0									0.430	0.43	U							
115203	L11152005	691655	93409		1.0	2.0									0.430	0.43	U							
115203	L11152006	691655	93409		2.0	4.0									0.430	0.43	U							
115204	L11152007	691646	93444		1.0	2.0									0.420	0.42	U							
115204	L11152008	691646	93444		2.0	4.0									0.420	0.42	U							
115205	L11152009	691681	93484		1.0	2.0									0.410	0.41	U							
115205	L11152009DL	691681	93484		1.0	2.0									0.820	0.82	U							
115205	L11152011	691681	93484		2.0	4.0									0.420	0.42	U							
115206	L11152012	691648	93431		1.0	2.0									0.450	0.45	U							
115206	L11152013	691648	93431		2.0	4.0									0.450	0.45	U							
115207	L11152014	691651	93420		1.0	2.0									0.430	0.43	U							
115207	L11152015	691651	93420		2.0	4.0									0.440	0.44	U							
115501	L11155001	691829	92890		0.0	1.0																		
115501	L11155002	691829	92890		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
115501	L11155003	691829	92890		2.0	4.0	0.240	0.24	U	0.240	0.24	U	0.240	0.24	U	0.240	0.24	U	2.100	2.1	U	0.980	0.98	U
115501	L11155004	691829	92890		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
115501	L11155005	691829	92890		4.0	6.0	0.240	0.24	U	0.240	0.24	U	0.240	0.24	U	0.240	0.24	U	0.082	2.1		0.970	0.97	U
115502	L11155006	691921	92626		0.0	1.0																		
115502	L11155007	691921	92626		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
115502	L11155008	691921	92626		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
115502	L11155009	691921	92626		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
115503	L11155010	692016	92333		0.0	1.0																		
115503	L11155011	692016	92333		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	0.990	0.99	U
115503	L11155012	692016	92333		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.084	0.25		0.250	0.25	U	2.000	2.2		0.990	0.99	U
116901	L11169001	691798	92297		0.0	1.0																		
116901	L11169002	691798	92297		1.0	2.0																		
116902	L1169003	691703	93210		0.0	1.0																		
116902	L1169004	691703	93210		1.0	2.0																		
116903	L11169005	691920	92946		0.0	1.0																		
116903	L11169006	691920	92946		1.0	2.0																		
116904	L11169007	691946	92866		0.0	1.0																		
116904	L11169008	691946	92866		1.0	2.0																		
116905	L11169009	692120	92125		0.0	1.0																		
116905	L11169010	692120	92125		1.0	2.0																		
116906	L11169011	692028	92646		1.0	2.0																		

Table B-2-1. TNA Post-Excavation Soil Characterization Data Remaining for Explosives at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	1,3,5-TNB			1,3-DNB			2,4,6-TNT			2,4-DNT			HMX			RDX		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							102	---	---	---	---	---	196	---	---	8.7	---	---	51,000	---	---	53	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	47.6	---	---	---	---	---	---	---	---	---	---	
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^b :							32,000	---	---	82	---	---	9,600	---	---	740	---	---	57,000	---	---	3,800	---	---
<i>Eco CC</i> ^c :							---	---	---	<i>0.31</i>	---	---	<i>3.55</i>	---	---	---	---	---	<i>15.2</i>	---	---	<i>25.6</i>	---	---
116907	L11169013	692114	92355		0.0	1.0																		
116907	L11169014	692114	92355		1.0	2.0																		
116908	L11169016	692066	92273		0.0	1.0																		
116908	L11169017	692066	92273		1.0	2.0																		
116909	L11169018	691757	92233		0.0	1.0																		
116909	L11169019	691757	92233		1.0	2.0																		
116910	L11169020	691979	93373		0.0	1.0																		
116910	L11169021	691979	93373		1.0	2.0																		
116911	L11169022	691769	93328		0.0	1.0																		
116911	L11169023	691769	93328		1.0	2.0																		
116912	L11169024	691863	93415		0.0	1.0																		
116912	L11169025	691863	93415		1.0	2.0																		
116913	L11169026	691701	92898		0.0	1.0																		
116913	L11169027	691701	92898		1.0	2.0																		
116914	L11169028	691725	93411		0.0	1.0																		
116914	L11169028DL	691725	93411		0.0	1.0																		
116914	L11169029	691725	93411		1.0	2.0																		
116914	L11169029DL	691725	93411		1.0	2.0																		
116915	L11169030	691883	93355		0.0	1.0																		
116915	L11169031	691883	93355		0.0	1.0																		
116916	L11169032	692204	93063		0.0	1.0																		
116916	L11169033	692204	93063		0.0	1.0																		
116916	L11169034	692204	93063		1.0	2.0																		
116917	L11169035	691698	92263		0.0	1.0																		
116917	L11169036	691698	92263		1.0	2.0																		
116918	L11169037	691949	93168		0.0	1.0																		
116918	L11169038	691949	93168		1.0	2.0																		
116919	L11169039	692104	92656		0.0	1.0																		
116919	L11169040	692104	92656		1.0	2.0																		
116920	L11169041	691813	92098		0.0	1.0																		
116920	L11169042	691813	92098		1.0	2.0																		
116920	L11169043	691813	92098		1.0	2.0																		
116921	L11169044	692141	92572		0.0	1.0																		
116921	L11169045	692141	92572		1.0	2.0																		
116922	L11169046	692089	92779		0.0	1.0																		
116922	L11169047	692089	92779		1.0	2.0																		
116925	L11169052	691675	93311		0.0	1.0																		

Table B-2-1. TNA Post-Excavation Soil Characterization Data Remaining for Explosives at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	1,3,5-TNB			1,3-DNB			2,4,6-TNT			2,4-DNT			HMX			RDX		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							102	---	---	---	---	---	196	---	---	8.7	---	---	51,000	---	---	53	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	47.6	---	---	---	---	---	---	---	---	---	---	
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^b :							32,000	---	---	82	---	---	9,600	---	---	740	---	---	57,000	---	---	3,800	---	---
<i>Eco CC</i> ^c :							---	---	---	<i>0.31</i>	---	---	<i>3.55</i>	---	---	---	---	---	<i>15.2</i>	---	---	<i>25.6</i>	---	---
116925	L11169053	691675	93311		1.0	2.0																		
160302	L1163014	692094	92997		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
163701	L1163001	691731	92351		0.0	1.0																		
163701	L1163002	691731	92351		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
163701	L1163003	691731	92351		2.0	4.0																		
163701	L1163004	691731	92351		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
163702	L1163005	691759	92309		0.0	1.0																		
163702	L1163006	691759	92309		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
163702	L1163007	691759	92309		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
163702	L1163008	691759	92309		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
10DD01	L110DD001	691669	93262		0.0	1.0																		
10DD01	L110DD002	691669	93262		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
10DD01	L110DD003	691669	93262		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	0.990	0.99	U
10DD01	L110DD004	691669	93262		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
10DD02	L110DD005	691641	93234		0.0	1.0																		
10DD02	L110DD006	691641	93234		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
10DD02	L110DD007	691641	93234		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
10DD02	L110DD008	691641	93234		4.0	6.0	0.240	0.24	U	0.240	0.24	U	0.240	0.24	U	0.240	0.24	U	2.100	2.1	U	0.960	0.96	U
10DD03	L110DD009	691565	93119		0.0	1.0																		
10DD03	L110DD010	691565	93119		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	0.990	0.99	U
10DD03	L110DD011	691565	93119		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
10DD03	L110DD012	691565	93119		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	0.990	0.99	U
10DD04	L110DD013	691508	93081		0.0	1.0																		
10DD04	L110DD014	691508	93081		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
10DD04	L110DD015	691508	93081		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	0.980	0.98	U
10DD04	L110DD016	691508	93081		2.0	4.0	0.240	0.24	U	0.240	0.24	U	0.240	0.24	U	0.240	0.24	U	2.100	2.1	U	0.960	0.96	U
10DD04	L110DD017	691508	93081		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
10DD05	L110DD018	691525	93099		0.0	1.0																		
10DD05	L110DD019	691525	93099		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	0.990	0.99	U
10DD07	L110DD026	691660	93153		0.0	1.0																		
10DD07	L110DD027	691660	93153		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	0.980	0.98	U
10DD07	L110DD028	691660	93153		2.0	4.0	0.240	0.24	U	0.240	0.24	U	0.240	0.24	U	0.240	0.24	U	2.100	2.1	U	0.980	0.98	U
10DD07	L110DD029	691660	93153		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	0.990	0.99	U
10DD09	L110DD034	691861	92762		0.0	1.0																		
10DD09	L110DD035	691861	92762		1.0	2.0	0.300	0.25		0.250	0.25	U	0.066	0.25		0.250	0.25	U	0.068	2.2		0.140	1	
10DD09	L110DD036	691861	92762		2.0	4.0	0.600	0.25		0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.150	2.2		0.580	0.99	
10DD09	L110DD037	691861	92762		4.0	6.0	1.000	0.25		0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.190	2.2		0.750	0.99	

Table B-2-1. TNA Post-Excavation Soil Characterization Data Remaining for Explosives at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	1,3,5-TNB			1,3-DNB			2,4,6-TNT			2,4-DNT			HMX			RDX		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							102	---	---	---	---	---	196	---	---	8.7	---	---	51,000	---	---	53	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	47.6	---	---	---	---	---	---	---	1.3	---	---	
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^b :							32,000	---	---	82	---	---	9,600	---	---	740	---	---	57,000	---	---	3,800	---	---
<i>Eco CC</i> ^c :							---	---	---	<i>0.31</i>	---	---	<i>3.55</i>	---	---	---	---	---	<i>15.2</i>	---	---	<i>25.6</i>	---	---
10DD10	L110DD038	691839	92768		0.0	1.0																		
10DD10	L110DD039	691839	92768		0.0	1.0																		
10DD10	L110DD040	691839	92768		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
10DD10	L110DD041	691839	92768		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
10DD10	L110DD042	691839	92768		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	0.990	0.99	U
10DD11	L110DD043	691762	92784		0.0	1.0																		
10DD11	L110DD044	691762	92784		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.130	0.25		0.250	0.25	U	2.200	2.2	U	1.000	1	U
10DD11	L110DD045	691762	92784		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
10DD11	L110DD046	691762	92784		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
10DD11	L110DD047	691762	92784		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
10DD12	L110DD048	691726	92790		0.0	1.0																		
10DD12	L110DD049	691726	92790		1.0	2.0	0.240	0.24	U	0.240	0.24	U	0.240	0.24	U	0.240	0.24	U	2.100	2.1	U	0.970	0.97	U
10DD12	L110DD050	691726	92790		2.0	4.0	0.240	0.24	U	0.240	0.24	U	0.240	0.24	U	0.240	0.24	U	2.100	2.1	U	0.960	0.96	U
10DD12	L110DD051	691726	92790		4.0	6.0	0.240	0.24	U	0.240	0.24	U	0.240	0.24	U	0.240	0.24	U	2.100	2.1	U	0.960	0.96	U
10DD13	L110DD052	691627	92701		0.0	1.0																		
10DD13	L110DD053	691627	92701		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
10DD13	L110DD054	691627	92701		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
10DD13	L110DD055	691627	92701		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
10DD14	L110DD056	691617	92673		0.0	1.0																		
10DD14	L110DD057	691617	92673		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
10DD14	L110DD058	691617	92673		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
10DD14	L110DD059	691617	92673		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
10DD15	L110DD060	691625	92545		0.0	1.0																		
10DD15	L110DD061	691625	92545		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.450	2.2		1.000	1	U
10DD15	L110DD062	691625	92545		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.200	0.25		0.250	0.25	U	2.200	2.2	U	1.000	1	U
10DD15	L110DD063	691625	92545		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.460	2.2		1.000	1	U
10DD16	L110DD065	691588	92546		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
10DD16	L110DD066	691588	92546		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
10DD16	L110DD067	691588	92546		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.190	0.25		0.250	0.25	U	2.200	2.2	U	1.000	1	U
10DD17	L110DD069	691547	92435		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
10DD17	L110DD070	691547	92435		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.083	0.25		0.250	0.25	U	2.200	2.2	U	1.000	1	U
10DD17	L110DD071	691547	92435		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
10DD17	L110DD072	691547	92435		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
10DD18	L110DD074	691582	92419		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
10DD18	L110DD075	691582	92419		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
10DD18	L110DD076	691582	92419		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
10DD19	L110DD077	691678	92547		0.0	1.0																		

Table B-2-1. TNA Post-Excavation Soil Characterization Data Remaining for Explosives at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	1,3,5-TNB			1,3-DNB			2,4,6-TNT			2,4-DNT			HMX			RDX		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							102	---	---	---	---	---	196	---	---	8.7	---	---	51,000	---	---	53	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	47.6	---	---	---	---	---	---	---	1.3	---	---	
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^b :							32,000	---	---	82	---	---	9,600	---	---	740	---	---	57,000	---	---	3,800	---	---
<i>Eco CC</i> ^c :							---	---	---	<i>0.31</i>	---	---	<i>3.55</i>	---	---	---	---	---	<i>15.2</i>	---	---	<i>25.6</i>	---	---
10DD19	L110DD078DL	691678	92547		1.0	2.0												45.000	8.8					
10DD19	L110DD079DL	691678	92547		2.0	4.0																		
10DD20	L110DD081	691806	92511		0.0	1.0																		
10DD20	L110DD082	691806	92511		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
10DD20	L110DD083	691806	92511		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
10DD20	L110DD084	691806	92511		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
10DD21	L110DD085	691838	92504		0.0	1.0																		
10DD21	L110DD086	691838	92504		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
10DD21	L110DD087	691838	92504		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
10DD21	L110DD088	691838	92504		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
10DD22	L110DD089	691858	92111		0.0	1.0																		
10DD22	L110DD090	691858	92111		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
10DD22	L110DD091	691858	92111		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
10DD22	L110DD092	691858	92111		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
10DD23	L110DD094	691798	92021		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
10DD23	L110DD095	691798	92021		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
10DD23	L110DD096	691798	92021		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
10DD25	L110DD102	691742	92808		2.0	4.0																		
10DD25	L110DD103	691742	92808		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
10DD25	L110DD104	691742	92808		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
10DD25	L110DD105	691742	92808		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
10DD26	L110DD106	691759	92856		0.0	1.0																		
10DD26	L110DD107	691759	92856		1.0	2.0	0.110	0.25		0.250	0.25	U	0.110	0.25		0.250	0.25	U	0.150	2.2		1.000	1	U
10DD26	L110DD108	691759	92856		2.0	4.0	0.099	0.25		0.250	0.25	U	0.120	0.25		0.250	0.25	U	0.100	2.2		1.000	1	U
10DD26	L110DD109	691759	92856		4.0	6.0	0.260	0.25		0.250	0.25	U	0.160	0.25		0.250	0.25	U	0.210	2.2		1.000	1	U
10DD27	L110DD110	691918	91943		0.0	1.0																		
10DD27	L110DD111	691918	91943		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
10DD27	L110DD112	691918	91943		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
10DD27	L110DD113	691918	91943		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
10DD28	L110DD115	691840	91886		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
10DD28	L110DD116	691840	91886		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
10DD28	L110DD117	691840	91886		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
10DD29	L110DD131	691632	93305		0.0	1.0																		

Table B-2-1. TNA Post-Excavation Soil Characterization Data Remaining for Explosives at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	1,3,5-TNB			1,3-DNB			2,4,6-TNT			2,4-DNT			HMX			RDX		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							102	---	---	---	---	---	196	---	---	8.7	---	---	51,000	---	---	53	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	47.6	---	---	---	---	---	---	---	1.3	---	---	
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:							32,000	---	---	82	---	---	9,600	---	---	740	---	---	57,000	---	---	3,800	---	---
<i>Eco CC</i> ^c :							---	---	---	<i>0.31</i>	---	---	<i>3.55</i>	---	---	---	---	---	<i>15.2</i>	---	---	<i>25.6</i>	---	---
10DD29	L110DD132	691632	93305		1.0	2.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
10DD29	L110DD133	691632	93305		2.0	4.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
10DD29	L110DD134	691632	93305		4.0	6.0	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	0.250	0.25	U	2.200	2.2	U	1.000	1	U
Maximum Reported Concentration (Detects and Non-Detects):							1.000	---	U	0.250	---	U	2.200	---	U	0.820	---	U	<i>45.000</i>	---		1.000	---	
Maximum Detected Concentration:							1.000	---		NA	---		2.200	---		0.380	---		<i>45.000</i>	---		1.000	---	
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0):							0	---	---	---	---	---	0	---	---	0	---	---	0	---	---	0	---	---
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection):							---	---	---	---	---	---	0	---	---	---	---	---	---	---	0	---	---	
Number of Sample Results Greater than USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0):							0	---	---	0	---	---	0	---	---	0	---	---	0	---	---	0	---	---
Number of Sample Results Greater than Eco CC:							---	---	---	0	---	---	0	---	---	---	---	---	1	---	---	0	---	---

^a Gray-shaded concentrations exceed the corresponding IAAAP OU-1 ROD RGs protective of an industrial worker ingesting soil (USACE 1998a).

^b Concentrations in **bold** exceed the corresponding RSLs (USEPA 2018a) protective of an industrial worker exposed to soil via ingestion, dermal contact, and dust inhalation.

^c Concentrations in *italics* exceed the corresponding Eco CCs calculated for Line 1.

Notes:

"---" Indicates that there is no comparison value available.

All results and comparison values are in mg/kg.

NA - Maximum detected result is not available because all results reported for the parameter are non-detect.

VQ symbols indicate: "=" positive identification, positive quantitation, no reason to estimate, "U" non-detect, no reason to estimate, "J" positive identification, estimated quantitation, "UJ" analyte was not detected and had QC deficiencies.

Table B-2-2. TNA Post-Excavation Soil Characterization Data Remaining for Polynuclear Aromatic Hydrocarbons at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Benzo(a)anthracene			Benzo(a)pyrene			Benzo(b)fluoranthene			Dibenzo(a,h)anthracene		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							8.1	---	---	0.81	---	---	8.1	---	---	0.81	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^b :							2,100	---	---	210	---	---	2,100	---	---	210	---	---
<i>Eco CC</i> ^c :							---	---	---	---	---	---	---	---	---	---	---	---
100101	L1101001	691685	93330		0.0	1.0												
100101	L1101002	691685	93330		1.0	2.0												
100101	L1101003	691685	93330		2.0	4.0												
100101	L1101004	691685	93330		4.0	6.0												
100102	L1101005	691685	93369		0.0	1.0												
100102	L1101006	691685	93369		1.0	2.0												
100102	L1101007	691685	93369		2.0	4.0												
100102	L1101008	691685	93369		4.0	6.0												
100103	L1101009	691723	93308		0.0	1.0												
100103	L1101010	691723	93308		1.0	2.0												
100103	L1101011	691723	93308		2.0	4.0												
100103	L1101012	691723	93308		4.0	6.0												
100201	L1102001	691824	93116		1.0	2.0	0.061	0.43		0.074	0.43		0.074	0.43		0.430	0.43	U
100201	L1102002	691824	93116		2.0	4.0	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U
100202	L1102003	691834	93110		1.0	2.0	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U
100202	L1102004	691834	93110		2.0	4.0	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U
100203	L1102005	691839	93129		1.0	2.0	0.450	0.45	U	0.450	0.45	U	0.450	0.45	U	0.450	0.45	U
100203	L1102006	691839	93129		2.0	4.0	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U
100204	L1102007	691851	93109		1.0	2.0	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U
100204	L1102008	691851	93109		2.0	4.0	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U
100205	L1102009	691838	93090		1.0	2.0	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U
100205	L1102010	691838	93090		2.0	4.0	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U
100205	L1102011	691838	93090		2.0	4.0	0.085	0.42		0.130	0.42		0.420	0.42	U	0.420	0.42	U
100206	L1102012	691842	93123		1.0	2.0	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U
100206	L1102013	691842	93123		2.0	4.0	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U
100302	L1103005	691754	93117		0.0	1.0												
100302	L1103006	691754	93117		1.0	2.0	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U
100302	L1103007	691754	93117		2.0	4.0	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U
100302	L1103008	691754	93117		4.0	6.0												
100303	L1103009	691803	93111		0.0	1.0												
100303	L1103010	691803	93111		1.0	2.0	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U
100303	L1103011	691803	93111		2.0	4.0	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U
100303	L1103012	691803	93111		4.0	6.0												
100304	L1103013	691776	93096		0.0	1.0												
100304	L1103014	691776	93096		1.0	2.0	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U
100304	L1103015	691776	93096		2.0	4.0	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U
100304	L1103016	691776	93096		2.0	4.0												

Table B-2-2. TNA Post-Excavation Soil Characterization Data Remaining for Polynuclear Aromatic Hydrocarbons at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Benzo(a)anthracene			Benzo(a)pyrene			Benzo(b)fluoranthene			Dibenzo(a,h)anthracene		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							8.1	---	---	0.81	---	---	8.1	---	---	0.81	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^b :							2,100	---	---	210	---	---	2,100	---	---	210	---	---
<i>Eco CC</i> ^c :							---	---	---	---	---	---	---	---	---	---	---	---
100304	L1103017	691776	93096		4.0	6.0												
100305	L1103018	692112	92187		0.0	1.0												
100305	L1103019	692112	92187		1.0	2.0	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U
100305	L1103020	692112	92187		2.0	4.0	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U
100305	L1103021	692112	92187		4.0	6.0												
100401	L1104001	691772	93135		0.0	1.0												
100401	L1104002	691772	93135		1.0	2.0	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U
100401	L1104003	691772	93135		2.0	4.0	0.450	0.45	U	0.450	0.45	U	0.450	0.45	U	0.450	0.45	U
100401	L1104004	691772	93135		4.0	6.0												
100402	L1104005	691742	93216		0.0	1.0												
100402	L1104006	691742	93216		1.0	2.0	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U
100402	L1104007	691742	93216		2.0	4.0	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U
100402	L1104008	691742	93216		4.0	6.0												
100403	L1104009	691792	93152		0.0	1.0												
100403	L1104010	691792	93152		1.0	2.0	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U
100403	L1104011	691792	93152		2.0	4.0	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U
100403	L1104012	691792	93152		4.0	6.0												
100404	L1104013	691796	93140		0.0	1.0												
100404	L1104014	691796	93140		1.0	2.0	0.600	0.42		0.450	0.42		0.530	0.42		0.420	0.42	U
100404	L1104015	691796	93140		2.0	4.0	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U
100404	L1104016	691796	93140		4.0	6.0												
100501	L1105001	691921	92838		0.0	1.0												
100501	L1105002	691921	92838		1.0	2.0												
100501	L1105003	691921	92838		2.0	4.0												
100501	L1105004	691921	92838		4.0	6.0												
100502	L1105005	691921	92844		0.0	1.0												
100502	L1105006	691921	92844		1.0	2.0												
100502	L1105007	691921	92844		1.0	2.0												
100502	L1105008	691921	92844		2.0	4.0												
100502	L1105009	691921	92844		4.0	6.0												
100503	L1105010	691915	92797		0.0	1.0												
100503	L1105011	691915	92797		1.0	2.0												
100503	L1105012	691915	92797		2.0	4.0												
100503	L1105013	691915	92797		4.0	6.0												
100504	L1105014	691932	92802		0.0	1.0												
100504	L1105015	691932	92802		1.0	2.0												
100504	L1105016	691932	92802		2.0	4.0												

Table B-2-2. TNA Post-Excavation Soil Characterization Data Remaining for Polynuclear Aromatic Hydrocarbons at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Benzo(a)anthracene			Benzo(a)pyrene			Benzo(b)fluoranthene			Dibenzo(a,h)anthracene		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							8.1	---	---	0.81	---	---	8.1	---	---	0.81	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^b :							2,100	---	---	210	---	---	2,100	---	---	210	---	---
<i>Eco CC</i> ^c :							---	---	---	---	---	---	---	---	---	---	---	---
100504	L1105017	691932	92802		4.0	6.0												
100505	L1105018	691911	92799		0.0	1.0												
100505	L1105019	691911	92799		1.0	2.0												
100505	L1105020	691911	92799		2.0	4.0												
100505	L1105021	691911	92799		4.0	6.0												
100506	L1105022	691896	92792		1.0	2.0												
100506	L1105023	691896	92792		2.0	4.0												
100506	L1105024	691896	92792		4.0	6.0												
100509	L1105035	691899	92831		0.0	1.0												
100509	L1105036	691899	92831		1.0	2.0												
100509	L1105037	691899	92831		2.0	4.0												
100509	L1105038	691899	92831		4.0	6.0												
100510	L1105055	691886	92945		0.0	1.0												
100510	L1105056	691886	92945		1.0	2.0												
100510	L1105057	691886	92945		2.0	4.0												
100510	L1105058	691886	92945		4.0	6.0												
100511	L1105059	691877	92995		1.0	2.0												
100511	L1105060	691877	92995		2.0	4.0												
100511	L1105061	691877	92995		2.0	4.0												
100511	L1105062	691877	92995		4.0	6.0												
100512	L1105063	691842	92972		1.0	2.0												
100512	L1105064	691842	92972		2.0	4.0												
100512	L1105065	691842	92972		4.0	6.0												
100513	L1105066	691845	92995		1.0	2.0												
100513	L1105067	691845	92995		2.0	4.0												
100513	L1105068	691845	92995		2.0	4.0												
100514	L1105069	691849	92986		1.0	2.0												
100514	L1105070	691849	92986		2.0	4.0												
100514	L1105071	691849	92986		4.0	5.0												
100517	L1105079	691867	93001		0.0	1.0												
100517	L1105080	691867	93001		1.0	2.0												
100517	L1105081	691867	93001		2.0	4.0												
100517	L1105082	691867	93001		4.0	6.0												
100519	L1105088	691864	92940		0.0	1.0												
100519	L1105089	691864	92940		1.0	2.0												
100519	L1105090	691864	92940		2.0	4.0												
100519	L1105091	691864	92940		4.0	6.0												

Table B-2-2. TNA Post-Excavation Soil Characterization Data Remaining for Polynuclear Aromatic Hydrocarbons at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Benzo(a)anthracene			Benzo(a)pyrene			Benzo(b)fluoranthene			Dibenzo(a,h)anthracene		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							8.1	---	---	0.81	---	---	8.1	---	---	0.81	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^b :							2,100	---	---	210	---	---	2,100	---	---	210	---	---
<i>Eco CC</i> ^c :							---	---	---	---	---	---	---	---	---	---	---	---
100521	L1105096	691911	92849		0.0	1.0												
100521	L1105097	691911	92849		1.0	2.0												
100521	L1105098	691911	92849		2.0	4.0												
100521	L1105099	691911	92849		4.0	6.0												
100601	L1106001	691750	92646		0.0	1.0												
100601	L1106002	691750	92646		1.0	2.0												
100601	L1106003	691750	92646		2.0	4.0												
100601	L1106004	691750	92646		2.0	4.0												
100601	L1106005	691750	92646		4.0	6.0												
100602	L1106006	691739	92639		0.0	1.0												
100602	L1106007	691739	92639		1.0	2.0												
100602	L1106008	691739	92639		2.0	4.0												
100602	L1106009	691739	92639		4.0	6.0												
100603	L1106010	691621	93000		0.0	1.0												
100603	L1106011	691621	93000		1.0	2.0												
100603	L1106012	691621	93000		2.0	4.0												
100603	L1106013	691621	93000		4.0	6.0												
100604	L1106014	691632	93007		0.0	1.0												
100604	L1106015	691632	93007		1.0	2.0												
100604	L1106016	691632	93007		2.0	4.0												
100604	L1106017	691632	93007		4.0	6.0												
100701	L1107001	692002	92830		0.0	1.0												
100701	L1107002	692002	92830		1.0	2.0												
100701	L1107003	692002	92830		2.0	4.0												
100702	L1107005	692023	92845		0.0	1.0												
100702	L1107006	692023	92845		1.0	2.0												
100702	L1107007	692023	92845		2.0	4.0												
100702	L1107008	692023	92845		4.0	6.0												
100703	L1107009	692034	92800		0.0	1.0												
100703	L1107010	692034	92800		1.0	2.0												
100703	L1107011	692034	92800		2.0	4.0												
100703	L1107012	692034	92800		4.0	6.0												
100801	L1108001	691700	92779		0.0	1.0												
100801	L1108002	691700	92779		1.0	2.0												
100801	L1108003	691700	92779		2.0	4.0												
100801	L1108004	691700	92779		2.0	4.0												
100801	L1108005	691700	92779		4.0	6.0												

Table B-2-2. TNA Post-Excavation Soil Characterization Data Remaining for Polynuclear Aromatic Hydrocarbons at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Benzo(a)anthracene			Benzo(a)pyrene			Benzo(b)fluoranthene			Dibenzo(a,h)anthracene		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							8.1	---	---	0.81	---	---	8.1	---	---	0.81	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^b :							2,100	---	---	210	---	---	2,100	---	---	210	---	---
<i>Eco CC</i> ^c :							---	---	---	---	---	---	---	---	---	---	---	---
100802	L1108006	691723	92706		0.0	1.0												
100802	L1108006A	691723	92706		0.0	1.0												
100802	L1108007	691723	92706		1.0	2.0												
100802	L1108007A	691723	92706		1.0	2.0												
100802	L1108008	691723	92706		2.0	4.0												
100802	L1108008A	691723	92706		2.0	4.0												
100802	L1108009	691723	92706		4.0	6.0												
100802	L1108009A	691723	92706		4.0	6.0												
100803	L1108010	691715	92725		0.0	1.0												
100803	L1108011	691715	92725		1.0	2.0												
100803	L1108012	691715	92725		2.0	4.0												
100803	L1108013	691715	92725		4.0	6.0												
100805	L1108018	691709	92730		0.0	1.0												
100805	L1108019	691709	92730		1.0	2.0												
100805	L1108020	691709	92730		2.0	4.0												
100805	L1108021	691709	92730		4.0	6.0												
101001	L1110001	691959	92688		0.0	1.0												
101001	L1110002	691959	92688		1.0	2.0												
101001	L1110003	691959	92688		2.0	4.0												
101001	L1110004	691959	92688		4.0	6.0												
101004	L1110016	691978	92653		0.0	1.0												
101004	L1110017	691978	92653		1.0	2.0	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U
101004	L1110018	691978	92653		2.0	4.0	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U
101004	L1110019	691978	92653		4.0	6.0												
101005	L1110037	691993	92609		0.0	1.0												
101005	L1110038	691993	92609		1.0	2.0												
101005	L1110039	691993	92609		2.0	4.0												
101005	L1110040	691993	92609		4.0	6.0												
101006	L1110025	691952	92623		0.0	1.0												
101006	L1110026	691952	92623		1.0	2.0												
101006	L1110027	691952	92623		2.0	4.0												
101006	L1110028	691952	92623		4.0	5.0												
101007	L1110029	691971	92576		0.0	1.0												
101007	L1110030	691971	92576		1.0	2.0	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U
101008	L1110033	691999	92585		0.0	1.0												
101008	L1110034	691999	92585		1.0	2.0												
101008	L1110035	691999	92585		2.0	4.0												

Table B-2-2. TNA Post-Excavation Soil Characterization Data Remaining for Polynuclear Aromatic Hydrocarbons at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Benzo(a)anthracene			Benzo(a)pyrene			Benzo(b)fluoranthene			Dibenzo(a,h)anthracene		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							8.1	---	---	0.81	---	---	8.1	---	---	0.81	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^b :							2,100	---	---	210	---	---	2,100	---	---	210	---	---
<i>Eco CC</i> ^c :							---	---	---	---	---	---	---	---	---	---	---	---
101008	L1110036	691999	92585		4.0	6.0												
101009	L1110021	691999	92618		0.0	1.0												
101009	L1110022	691999	92618		1.0	2.0												
101009	L1110023	691999	92618		2.0	4.0												
101009	L1110024	691999	92618		4.0	6.0												
101101	L1111001	691809	93287		0.0	1.0												
101101	L1111002	691809	93287		1.0	2.0												
101101	L1111003	691809	93287		2.0	4.0												
101101	L1111004	691809	93287		4.0	6.0												
101102	L1111005	691832	93269		0.0	1.0												
101102	L1111006	691832	93269		2.0	4.0												
101103	L1111007	691812	93314		0.0	1.0												
101103	L1111008	691812	93314		1.0	2.0												
101103	L1111009	691812	93314		2.0	4.0												
101103	L1111010	691812	93314		4.0	6.0												
101104	L1111011	691845	93331		0.0	1.0												
101104	L1111012	691845	93331		1.0	2.0												
101104	L1111013	691845	93331		2.0	4.0												
101104	L1111014	691845	93331		4.0	6.0												
101105	L1111015	691894	93311		0.0	1.0												
101105	L1111016	691894	93311		1.0	2.0												
101105	L1111017	691894	93311		2.0	4.0												
101105	L1111018	691894	93311		4.0	6.0												
101106	L1111019	691911	93281		0.0	1.0												
101106	L1111020	691911	93281		1.0	2.0												
101106	L1111022	691911	93281		2.0	4.0												
101106	L1111023	691911	93281		4.0	6.0												
101107	L1111024	691838	93244		0.0	1.0												
101107	L1111025	691838	93244		1.0	2.0												
101107	L1111026	691838	93244		2.0	4.0												
101107	L1111027	691838	93244		4.0	6.0												
101201	L1112001	692036	92381		1.0	2.0												
101201	L1112001A	692036	92381		0.0	1.0												
101201	L1112002	692036	92381		1.0	2.0												
101201	L1112003	692036	92381		2.0	4.0												
101201	L1112004	692036	92381		4.0	6.0												
101204	L1112011A	692080	92344		0.0	1.0												

Table B-2-2. TNA Post-Excavation Soil Characterization Data Remaining for Polynuclear Aromatic Hydrocarbons at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Benzo(a)anthracene			Benzo(a)pyrene			Benzo(b)fluoranthene			Dibenzo(a,h)anthracene		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							8.1	---	---	0.81	---	---	8.1	---	---	0.81	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^b :							2,100	---	---	210	---	---	2,100	---	---	210	---	---
<i>Eco CC</i> ^c :							---	---	---	---	---	---	---	---	---	---	---	---
101204	L1112012	692080	92344		2.0	4.0												
101204	L1112013	692080	92344		4.0	6.0												
101205	L1112014	692105	92261		1.0	2.0												
101205	L1112014A	692105	92261		0.0	1.0												
101205	L1112015	692105	92261		2.0	4.0												
101205	L1112016	692105	92261		4.0	6.0												
101206	L1112017	692086	92238		1.0	2.0	0.380	0.38	U	0.380	0.38	U	0.380	0.38	U	0.380	0.38	U
101206	L1112017A	692086	92238		0.0	1.0												
101206	L1112018	692086	92238		2.0	4.0	0.390	0.39	U	0.390	0.39	U	0.390	0.39	U	0.390	0.39	U
101206	L1112019	692086	92238		4.0	6.0												
101207	L1112020	692050	92340		1.0	2.0												
101207	L1112020A	692050	92340		0.0	1.0												
101207	L1112021	692050	92340		2.0	4.0												
101207	L1112022	692050	92340		4.0	6.0												
101208	L1112023	692041	92462		0.0	1.0												
101208	L1112024	692041	92462		1.0	2.0												
101208	L1112025	692041	92462		1.0	2.0												
101208	L1112026	692041	92462		2.0	4.0												
101208	L1112027	692041	92462		4.0	6.0												
101209	L1112028	692063	92389		0.0	1.0												
101209	L1112029	692063	92389		1.0	2.0	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U
101209	L1112030	692063	92389		2.0	4.0	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U
101209	L1112031	692063	92389		4.0	6.0												
101210	L1112033	692085	92323		1.0	2.0												
101210	L1112034	692085	92323		2.0	4.0												
101210	L1112036	692085	92323		4.0	6.0												
101210	L111232	692085	92323		0.0	1.0												
101211	L1112037	692098	92292		0.0	1.0												
101211	L1112038	692098	92292		1.0	2.0												
101211	L1112039	692098	92292		2.0	4.0												
101211	L1112040	692098	92292		4.0	6.0												
101212	L1112041	692076	92256		0.0	1.0												
101212	L1112042	692076	92256		1.0	2.0												
101212	L1112043	692076	92256		2.0	4.0												
101212	L1112044	692076	92256		4.0	6.0												
101213	L1112045	692055	92294		0.0	1.0												
101213	L1112046	692055	92294		1.0	2.0												

Table B-2-2. TNA Post-Excavation Soil Characterization Data Remaining for Polynuclear Aromatic Hydrocarbons at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Benzo(a)anthracene			Benzo(a)pyrene			Benzo(b)fluoranthene			Dibenzo(a,h)anthracene		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							8.1	---	---	0.81	---	---	8.1	---	---	0.81	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^b :							2,100	---	---	210	---	---	2,100	---	---	210	---	---
<i>Eco CC</i> ^c :							---	---	---	---	---	---	---	---	---	---	---	---
101213	L1112047	692055	92294		2.0	4.0	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U
101213	L1112048	692055	92294		2.0	4.0	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U
101213	L1112049	692055	92294		4.0	6.0												
101301	L1113001	691873	92319		0.0	1.0												
101301	L1113002	691873	92319		1.0	2.0												
101301	L1113003	691873	92319		2.0	4.0												
101301	L1113004	691873	92319		4.0	6.0												
101302	L1113006	691868	92338		0.0	1.0												
101302	L1113007	691868	92338		1.0	2.0												
101302	L1113008	691868	92338		2.0	4.0												
101302	L1113009	691868	92338		4.0	6.0												
101303	L1113010	691845	92407		0.0	1.0												
101303	L1113011	691845	92407		1.0	2.0												
101303	L1113012	691845	92407		2.0	4.0												
101303	L1113013	691845	92407		4.0	6.0												
101304	L1113014	691870	92409		2.0	4.0												
101304	L1113015	691870	92409		1.0	2.0												
101304	L1113016	691870	92409		2.0	4.0												
101304	L1113017	691870	92409		4.0	6.0												
101305	L1113018	691882	92387		0.0	1.0												
101305	L1113019	691882	92387		1.0	2.0												
101305	L1113020	691882	92387		2.0	4.0												
101305	L1113021	691882	92387		4.0	6.0												
101306	L1113024	691889	94486		1.0	2.0												
101307	L1113023	691900	92319		1.0	2.0												
101307	L1113027	691900	92319		0.0	1.0												
101307	L1113028	691900	92319		1.0	2.0												
101308	L11130035	691875	92309		4.0	6.0												
101308	L1113031	691875	92309		0.0	1.0												
101308	L1113032	691875	92309		1.0	2.0												
101308	L1113033	691875	92309		2.0	4.0												
101308	L1113034	691875	92309		2.0	4.0												
101309	L1113036	691881	92297		0.0	1.0												
101309	L1113037	691881	92297		1.0	2.0												
101309	L1113038	691881	92297		2.0	4.0												
101309	L1113039	691881	92297		4.0	6.0												
101401	L1114001	691797	92489		0.0	1.0												

Table B-2-2. TNA Post-Excavation Soil Characterization Data Remaining for Polynuclear Aromatic Hydrocarbons at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Benzo(a)anthracene			Benzo(a)pyrene			Benzo(b)fluoranthene			Dibenzo(a,h)anthracene		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							8.1	---	---	0.81	---	---	8.1	---	---	0.81	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^b :							2,100	---	---	210	---	---	2,100	---	---	210	---	---
<i>Eco CC</i> ^c :							---	---	---	---	---	---	---	---	---	---	---	---
101401	L1114002	691797	92489		1.0	2.0												
101401	L1114003	691797	92489		2.0	4.0												
101401	L1114004	691797	92489		4.0	6.0												
101402	L1114005	691814	92487		0.0	1.0												
101402	L1114006	691814	92487		1.0	2.0												
101402	L1114007	691814	92487		2.0	4.0												
101402	L1114008	691814	92487		4.0	6.0												
101501	L1115001	691936	92124		0.0	1.0												
101501	L1115002	691936	92124		1.0	2.0												
101501	L1115003	691936	92124		2.0	4.0												
101501	L1115004	691936	92124		4.0	6.0												
101502	L1115005	691916	92117		0.0	1.0												
101502	L1115006	691916	92117		1.0	2.0												
101502	L1115007	691916	92117		2.0	4.0												
101502	L1115008	691916	92117		4.0	6.0												
101503	L1115009	691925	92088		0.0	1.0												
101503	L1115010	691925	92088		1.0	2.0												
101503	L1115011	691925	92088		2.0	4.0												
101503	L1115012	691925	92088		4.0	6.0												
101504	L1115014	691931	92075		0.0	1.0												
101504	L1115015	691931	92075		1.0	2.0												
101504	L1115016	691931	92075		2.0	4.0												
101504	L1115017	691931	92075		4.0	6.0												
101505	L1115018	691943	92106		0.0	1.0												
101505	L1115019	691943	92106		1.0	2.0												
101505	L1115020	691943	92106		2.0	4.0												
101505	L1115021	691943	92106		4.0	6.0												
101506	L1115022	691950	92080		0.0	1.0												
101506	L1115023	691950	92080		1.0	2.0												
101506	L1115024	691950	92080		2.0	4.0												
101506	L1115025	691950	92080		4.0	6.0												
101601	L1116001	692018	92532		1.0	2.0												
101602	L1116002	692025	92510		1.0	2.0												
101604	L1116005	692012	92535		1.0	2.0												
101605	L1116006	692003	92526		1.0	2.0												
101605	L1116007	692003	92526		1.0	2.0												
101901	L1119001	691756	92245		0.0	1.0												

Table B-2-2. TNA Post-Excavation Soil Characterization Data Remaining for Polynuclear Aromatic Hydrocarbons at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Benzo(a)anthracene			Benzo(a)pyrene			Benzo(b)fluoranthene			Dibenzo(a,h)anthracene		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							8.1	---	---	0.81	---	---	8.1	---	---	0.81	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^b :							2,100	---	---	210	---	---	2,100	---	---	210	---	---
<i>Eco CC</i> ^c :							---	---	---	---	---	---	---	---	---	---	---	---
101901	L1119002	691756	92245		1.0	2.0												
101901	L1119003	691756	92245		2.0	4.0												
101901	L1119004	691756	92245		4.0	6.0												
101902	L1119005	691701	92291		0.0	1.0												
101902	L1119006	691701	92291		1.0	2.0												
101902	L1119007	691701	92291		2.0	4.0												
101902	L1119008	691701	92291		4.0	6.0												
101903	L1119011	691682	92349		0.0	1.0												
101903	L1119012	691682	92349		1.0	2.0												
101903	L1119013	691682	92349		2.0	4.0												
101903	L1119014	691682	92349		4.0	6.0												
101904	L1119015	691752	92256		0.0	1.0												
101904	L1119016	691752	92256		1.0	2.0												
101904	L1119017	691752	92256		2.0	4.0												
101904	L1119018	691752	92256		4.0	6.0												
101905	L1119019	691756	92280		0.0	1.0												
101905	L1119020	691756	92280		1.0	2.0												
101905	L1119021	691756	92280		2.0	4.0												
101905	L1119022	691756	92280		4.0	6.0												
103601	L1136001	691816	93159		0.0	1.0												
103601	L1136002	691816	93159		1.0	2.0	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U
103601	L1136003	691816	93159		2.0	4.0	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U
103602	L1136004	691819	93152		0.0	1.0												
103602	L1136005	691819	93152		1.0	2.0	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U
103602	L1136006	691819	93152		2.0	4.0	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U
103603	L1136007	691811	93151		0.0	1.0												
103603	L1136008	691811	93151		1.0	2.0	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U
103603	L1136009	691811	93151		2.0	4.0	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U
104001	L1140001	691989	92970		0.0	1.0												
104001	L1140002	691989	92970		1.0	2.0												
104001	L1140003	691989	92970		2.0	4.0												
104001	L1140004	691989	92970		4.0	6.0												
104002	L1140005	691966	92968		0.0	1.0												
104002	L1140007	691966	92968		1.0	2.0												
104002	L1140008	691966	92968		2.0	4.0												
104002	L1140009	691966	92968		4.0	6.0												
104003	L1140010	692020	92953		0.0	1.0												

Table B-2-2. TNA Post-Excavation Soil Characterization Data Remaining for Polynuclear Aromatic Hydrocarbons at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Benzo(a)anthracene			Benzo(a)pyrene			Benzo(b)fluoranthene			Dibenzo(a,h)anthracene		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							8.1	---	---	0.81	---	---	8.1	---	---	0.81	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^b :							2,100	---	---	210	---	---	2,100	---	---	210	---	---
<i>Eco CC</i> ^c :							---	---	---	---	---	---	---	---	---	---	---	---
104003	L1140011	692020	92953		0.0	1.0	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U
104003	L1140013	692020	92953		2.0	4.0	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U
104003	L1140014	692020	92953		4.0	6.0												
104004	L1140015	691950	92925		0.0	1.0												
104004	L1140016	691950	92925		1.0	2.0	0.530	0.44		0.350	0.44		0.510	0.44		0.440	0.44	U
104004	L1140017	691950	92925		2.0	4.0	0.068	0.43		0.063	0.43		0.089	0.43		0.430	0.43	U
104004	L1140018	691950	92925		4.0	6.0												
104005	L1140006	692034	92912		2.0	4.0												
104005	L1140020	692034	92912		0.0	1.0												
104005	L1140021	692034	92912		1.0	2.0	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U
104005	L1140022	692034	92912		2.0	4.0	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U
104005	L1140023	692034	92912		4.0	6.0												
104006	L1140024	692023	92873		0.0	1.0												
104006	L1140025	692023	92873		1.0	2.0												
104006	L1140026	692023	92873		2.0	4.0												
104006	L1140027	692023	92873		4.0	6.0												
104007	L1140028	691983	92874		0.0	1.0												
104007	L1140029	691983	92874		1.0	2.0	0.380	0.38	U	0.380	0.38	U	0.380	0.38	U	0.380	0.38	U
104007	L1140030	691983	92874		2.0	4.0	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U
105001	L1150001	691709	92844		1.0	2.0												
105001	L1150002	691709	92844		2.0	4.0												
105001	L1150003	691709	92844		4.0	6.0												
105003	L1150007	691689	92828		0.0	1.0												
105003	L1150008	691689	92828		1.0	2.0												
105003	L1150009	691689	92828		2.0	4.0												
105003	L1150010	691689	92828		4.0	6.0												
105004	L1150011	691716	92826		0.0	1.0												
105004	L1150012	691716	92826		1.0	2.0												
105004	L1150013	691716	92826		2.0	4.0												
105004	L1150014	691716	92826		4.0	6.0												
105301	L1153001	692136	92161		1.0	2.0	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U
105301	L1153001A	692136	92161		0.0	1.0												
105301	L1153003	692136	92161		2.0	4.0	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U
105301	L1153004	692136	92161		4.0	6.0												
105302	L1153002	692145	92145		0.0	1.0												
105302	L1153005	692145	92145		1.0	2.0	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U
105302	L1153005A	692145	92145		0.0	1.0												

Table B-2-2. TNA Post-Excavation Soil Characterization Data Remaining for Polynuclear Aromatic Hydrocarbons at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Benzo(a)anthracene			Benzo(a)pyrene			Benzo(b)fluoranthene			Dibenzo(a,h)anthracene		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							8.1	---	---	0.81	---	---	8.1	---	---	0.81	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^b :							2,100	---	---	210	---	---	2,100	---	---	210	---	---
<i>Eco CC</i> ^c :							---	---	---	---	---	---	---	---	---	---	---	---
105302	L1153006	692145	92145		2.0	4.0	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U
105302	L1153007	692145	92145		4.0	6.0												
105303	L1153008	692108	92140		1.0	2.0	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U
105303	L1153008A	692108	92140		0.0	1.0												
105303	L1153009	692108	92140		2.0	4.0	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U
105303	L1153010	692108	92140		4.0	6.0												
106002	L1160006	691662	92877		0.0	1.0												
106002	L1160007	691662	92877		1.0	2.0	0.075	0.41		0.068	0.41		0.085	0.41		0.410	0.41	U
106002	L1160008	691662	92877		2.0	4.0		0.42	U		0.42	U		0.42	U		0.42	U
106002	L1160009	691662	92877		4.0	6.0												
106003	L1160010	691680	92888		0.0	1.0												
106003	L1160011	691680	92888		1.0	2.0	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U
106003	L1160012	691680	92888		2.0	4.0	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U
106003	L1160013	691680	92888		4.0	6.0												
106003	L1160014	691680	92888		4.0	6.0												
106004	L1160015	691680	92900		0.0	1.0												
106004	L1160016	691680	92900		1.0	2.0	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U
106004	L1160017	691680	92900		2.0	4.0	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U
106004	L1160019	691680	92900		4.0	6.0												
106101	L1161001	691947	93086		0.0	1.0												
106101	L1161002	691947	93086		1.0	2.0	0.040	0.38		0.380	0.38	U	0.380	0.38	U	0.380	0.38	U
106101	L1161003	691947	93086		2.0	4.0	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U
106101	L1161004	691947	93086		4.0	6.0												
106102	L1161005	691909	93057		0.0	1.0												
106102	L1161006	691909	93057		1.0	2.0	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U
106102	L1161007	691909	93057		1.0	2.0	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U
106102	L1161008	691909	93057		2.0	4.0	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U
106102	L1161009	691909	93057		4.0	6.0												
106104	L1161014	691956	93011		0.0	1.0												
106104	L1161015	691956	93011		1.0	2.0	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U
106104	L1161016	691956	93011		2.0	4.0	0.390	0.39	U	0.390	0.39	U	0.390	0.39	U	0.390	0.39	U
106104	L1161017	691956	93011		4.0	6.0												
106301	L1163009	692099	92970		0.0	1.0												
106301	L1163010	692099	92970		1.0	2.0												
106301	L1163011	692099	92970		2.0	4.0												
106301	L1163012	692099	92970		4.0	6.0												
106302	L1163013	692094	92997		0.0	1.0												

Table B-2-2. TNA Post-Excavation Soil Characterization Data Remaining for Polynuclear Aromatic Hydrocarbons at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Benzo(a)anthracene			Benzo(a)pyrene			Benzo(b)fluoranthene			Dibenzo(a,h)anthracene		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							8.1	---	---	0.81	---	---	8.1	---	---	0.81	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^b :							2,100	---	---	210	---	---	2,100	---	---	210	---	---
<i>Eco CC</i> ^c :							---	---	---	---	---	---	---	---	---	---	---	---
106302	L1163015	692094	92997		2.0	4.0												
106302	L1163016	692094	92997		4.0	6.0												
106303	L1163017	692099	93024		0.0	1.0												
106303	L1163018	692099	93024		1.0	2.0												
106303	L1163019	692099	93024		2.0	4.0												
106303	L1163020	692099	93024		4.0	6.0												
106304	L1163021	692101	93040		0.0	1.0												
106304	L1163022	692101	93040		1.0	2.0												
106304	L1163023	692101	93040		2.0	4.0												
106304	L1163024	692101	93040		4.0	6.0												
106305	L1163025	692073	93131		0.0	1.0												
106305	L1163026	692073	93131		1.0	2.0												
106305	L1163027	692073	93131		1.0	2.0												
106305	L1163028	692073	93131		2.0	4.0												
106305	L1163029	692073	93131		4.0	6.0												
106306	L1163030	692055	93147		0.0	1.0												
106306	L1163031	692055	93147		1.0	2.0												
106306	L1163032	692055	93147		2.0	4.0												
106306	L1163033	692055	93147		4.0	6.0												
106307	L1163034	692088	93113		0.0	1.0												
106307	L1163035	692088	93113		1.0	2.0												
106307	L1163036	692088	93113		2.0	4.0												
106307	L1163037	692088	93113		4.0	6.0												
106308	L1163038	692094	93102		0.0	1.0												
106308	L1163039	692094	93102		1.0	2.0												
106308	L1163040	692094	93102		2.0	4.0												
106308	L1163041	692094	93102		4.0	6.0												
106401	L1164001	692022	93174		0.0	1.0												
106401	L1164002	692022	93174		1.0	2.0												
106401	L1164003	692022	93174		2.0	4.0												
106401	L1164004	692022	93174		4.0	6.0												
106401	L1164018	692022	93174		0.0	1.0												
106402	L1164005	692011	93185		0.0	1.0												
106402	L1164006	692011	93185		4.0	6.0												
106402	L1164007	692011	93185		2.0	4.0												
106402	L1164008	692011	93185		4.0	6.0												
106403	L1164009	692000	93195		0.0	1.0												

Table B-2-2. TNA Post-Excavation Soil Characterization Data Remaining for Polynuclear Aromatic Hydrocarbons at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Benzo(a)anthracene			Benzo(a)pyrene			Benzo(b)fluoranthene			Dibenzo(a,h)anthracene		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							8.1	---	---	0.81	---	---	8.1	---	---	0.81	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^b :							2,100	---	---	210	---	---	2,100	---	---	210	---	---
<i>Eco CC</i> ^c :							---	---	---	---	---	---	---	---	---	---	---	---
106403	L1164010	692000	93195		1.0	2.0												
106403	L1164011	692000	93195		2.0	4.0												
106403	L1164012	692000	93195		4.0	6.0												
106403	L1164013	692000	93195		4.0	6.0												
106404	L1164014	691970	93215		2.0	4.0												
106404	L1164015	691970	93215		1.0	2.0												
106404	L1164016	691970	93215		2.0	4.0												
106404	L1164017	691970	93215		4.0	6.0												
106501	L1165001	692089	92859		0.0	1.0												
106501	L1165002	692089	92859		1.0	2.0												
106501	L1165003	692089	92859		2.0	4.0												
106501	L1165004	692089	92859		4.0	6.0												
106501	L1165005	692089	92859		4.0	6.0												
106502	L1165006	692086	92848		0.0	1.0												
106502	L1165007	692086	92848		1.0	2.0												
106502	L1165008	692086	92848		2.0	4.0												
106502	L1165009	692086	92848		4.0	6.0												
106503	L1165010	692175	92980		0.0	1.0												
106503	L1165011	692175	92980		1.0	2.0												
106503	L1165012	692175	92980		2.0	4.0												
106503	L1165013	692175	92980		4.0	6.0												
106503	L1165030	692175	92980		1.0	2.0												
106504	L1165014	692161	92912		0.0	1.0												
106504	L1165015	692161	92912		1.0	2.0												
106504	L1165016	692161	92912		2.0	4.0												
106504	L1165017	692161	92912		4.0	6.0												
106505	L1165018	692194	92823		0.0	1.0												
106505	L1165019	692194	92823		1.0	2.0												
106505	L1165020	692194	92823		2.0	4.0												
106505	L1165021	692194	92823		4.0	6.0												
106506	L1165022	692273	92884		0.0	1.0												
106506	L1165023	692273	92884		1.0	2.0												
106506	L1165024	692273	92884		2.0	4.0												
106506	L1165025	692273	92884		4.0	6.0												
106507	L1165026	692267	92904		0.0	1.0												
106507	L1165027	692267	92904		1.0	2.0												
106507	L1165028	692267	92904		2.0	4.0												

Table B-2-2. TNA Post-Excavation Soil Characterization Data Remaining for Polynuclear Aromatic Hydrocarbons at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Benzo(a)anthracene			Benzo(a)pyrene			Benzo(b)fluoranthene			Dibenzo(a,h)anthracene		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							8.1	---	---	0.81	---	---	8.1	---	---	0.81	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^b :							2,100	---	---	210	---	---	2,100	---	---	210	---	---
<i>Eco CC</i> ^c :							---	---	---	---	---	---	---	---	---	---	---	---
106507	L1165029	692267	92904		4.0	6.0												
106507	L1165031	692267	92904		0.0	1.0												
106601	L1166001	691723	92395		0.0	1.0												
106601	L1166002	691723	92395		1.0	2.0												
106601	L1166003	691723	92395		2.0	4.0												
106601	L1166004	691723	92395		4.0	6.0												
106602	L1166007	691680	92381		0.0	1.0												
106602	L1166008	691680	92381		1.0	2.0												
106602	L1166009	691680	92381		2.0	4.0												
106602	L1166010	691680	92381		4.0	6.0												
106701	L1167001	691949	93193		0.0	1.0												
106701	L1167002	691949	93193		1.0	2.0												
106701	L1167003	691949	93193		2.0	4.0												
106701	L1167004	691949	93193		4.0	6.0												
106702	L1167005	691953	93162		0.0	1.0												
106702	L1167006	691953	93162		1.0	2.0												
106702	L1167007	691953	93162		1.0	2.0												
106702	L1167008	691953	93162		4.0	6.0												
106703	L1167009	691973	93141		0.0	1.0												
106703	L1167010	691973	93141		1.0	2.0												
106703	L1167011	691973	93141		2.0	4.0												
106703	L1167012	691973	93141		4.0	6.0												
107001	L1170001	691981	92458		0.0	1.0												
107001	L1170002	691981	92458		1.0	2.0												
107001	L1170003	691981	92458		2.0	4.0												
107001	L1170004	691981	92458		4.0	6.0												
107002	L1170005	691961	92498		0.0	1.0												
107002	L1170006	691961	92498		1.0	2.0												
107002	L1170007	691961	92498		2.0	4.0												
107002	L1170008	691961	92498		4.0	6.0												
107004	L1170014	691976	92478		0.0	1.0												
107004	L1170015	691976	92478		1.0	2.0												
107004	L1170016	691976	92478		2.0	4.0												
107004	L1170017	691976	92478		4.0	6.0												
107101	L1171001	691874	92664		0.0	1.0												
107101	L1171002	691874	92664		1.0	2.0												
107101	L1171003	691874	92664		2.0	4.0												

Table B-2-2. TNA Post-Excavation Soil Characterization Data Remaining for Polynuclear Aromatic Hydrocarbons at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Benzo(a)anthracene			Benzo(a)pyrene			Benzo(b)fluoranthene			Dibenzo(a,h)anthracene		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							8.1	---	---	0.81	---	---	8.1	---	---	0.81	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^b :							2,100	---	---	210	---	---	2,100	---	---	210	---	---
<i>Eco CC</i> ^c :							---	---	---	---	---	---	---	---	---	---	---	---
107101	L1171004	691874	92664		4.0	6.0												
107201	L1172001	691875	92586		0.0	1.0												
107201	L1172002	691875	92586		1.0	2.0												
107201	L1172003	691875	92586		2.0	4.0												
107201	L1172004	691875	92586		4.0	6.0												
107201	L1172005	691875	92586		4.0	6.0												
107303	L1173009	691882	92517		0.0	1.0												
107303	L1173010	691882	92517		1.0	2.0												
107303	L1173011	691882	92517		2.0	4.0												
107303	L1173012	691882	92517		4.0	6.0												
107304	L1173013	691895	92491		0.0	1.0												
107304	L1173014	691895	92491		1.0	2.0												
107304	L1173015	691895	92491		2.0	4.0												
107304	L1173016	691895	92491		4.0	6.0												
107305	L1173017	691925	92475		0.0	1.0												
107305	L1173018	691925	92475		1.0	2.0												
107305	L1173019	691925	92475		2.0	4.0												
107305	L1173020	691925	92475		4.0	6.0												
107401	L1174001	691962	92425		0.0	1.0												
107401	L1174002	691962	92425		1.0	2.0												
107401	L1174003	691962	92425		2.0	4.0												
107401	L1174004	691962	92425		4.0	6.0												
107501	L1175001	691970	92319		0.0	1.0												
107501	L1175002	691970	92319		1.0	2.0												
107501	L1175003	691970	92319		2.0	4.0												
107501	L1175004	691970	92319		4.0	6.0												
107601	L1176001	691995	92243		0.0	1.0												
107601	L1176002	691995	92243		1.0	2.0												
107601	L1176003	691995	92243		1.0	2.0												
107601	L1176004	691995	92243		2.0	4.0												
107601	L1176005	691995	92243		4.0	6.0												
107701	L1177001	691839	93355		0.0	1.0												
107701	L1177002	691839	93355		1.0	2.0												
107701	L1177003	691839	93355		2.0	4.0												
107701	L1177004	691839	93355		4.0	6.0												
108501	L1185001	692145	93053		0.0	1.0												
108501	L1185002	692145	93053		1.0	2.0												

Table B-2-2. TNA Post-Excavation Soil Characterization Data Remaining for Polynuclear Aromatic Hydrocarbons at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Benzo(a)anthracene			Benzo(a)pyrene			Benzo(b)fluoranthene			Dibenzo(a,h)anthracene		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							8.1	---	---	0.81	---	---	8.1	---	---	0.81	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^b :							2,100	---	---	210	---	---	2,100	---	---	210	---	---
<i>Eco CC</i> ^c :							---	---	---	---	---	---	---	---	---	---	---	---
108501	L1185003	692145	93053		2.0	4.0												
108501	L1185004	692145	93053		4.0	6.0												
108502	L1185005	692193	93114		0.0	1.0												
108502	L1185006	692193	93114		1.0	2.0												
108502	L1185007	692193	93114		1.0	2.0												
108502	L1185009	692193	93114		4.0	6.0												
110001	L11100001	691889	92747		0.0	1.0												
110001	L11100002	691889	92747		1.0	2.0												
110001	L11100003	691889	92747		2.0	4.0												
110001	L11100004	691889	92747		2.0	4.0												
110003	L11100009	691958	92733		4.0	6.0												
110003	L11100010	691958	92733		0.0	1.0												
110003	L11100011	691958	92733		1.0	2.0												
110003	L11100012	691958	92733		1.0	2.0												
110003	L11100013	691958	92733		2.0	4.0												
110003	L11100014	691958	92733		4.0	6.0												
110021	L111002001	691703	92269		0.0	1.0												
110021	L111002002	691703	92269		0.0	1.0												
110021	L111002003	691703	92269		1.0	2.0												
110021	L111002004	691703	92269		2.0	4.0												
110021	L111002005	691703	92269		4.0	6.0												
110021	L111002006	691703	92269		4.0	6.0												
112421	L11124001	691974	93402		1.0	2.0												
112421	L11124002	691974	93402		2.0	4.0												
112421	L11124003	691974	93402		4.0	6.0												
112422	L11124004	691977	93392		1.0	2.0												
112422	L11124005	691977	93392		2.0	4.0												
112422	L11124006	691977	93392		4.0	6.0												
112423	L11124007	691956	93454		1.0	2.0												
112423	L11124008	691956	93454		2.0	4.0												
112423	L11124009	691956	93454		4.0	6.0												
112901	L11129001	691933	93378		1.0	2.0	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U
112901	L11129002	691933	93378		2.0	4.0	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U	0.410	0.41	U
112901	L11129003	691933	93378		4.0	6.0												
112902	L11129004	691961	93373		1.0	2.0	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U
112902	L11129005	691961	93373		2.0	4.0	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U
112902	L11129006	691961	93373		2.0	4.0	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U

Table B-2-2. TNA Post-Excavation Soil Characterization Data Remaining for Polynuclear Aromatic Hydrocarbons at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Benzo(a)anthracene			Benzo(a)pyrene			Benzo(b)fluoranthene			Dibenzo(a,h)anthracene		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							8.1	---	---	0.81	---	---	8.1	---	---	0.81	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^b :							2,100	---	---	210	---	---	2,100	---	---	210	---	---
<i>Eco CC</i> ^c :							---	---	---	---	---	---	---	---	---	---	---	---
112903	L11129007	691939	93367		1.0	2.0	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U	0.400	0.4	U
112903	L11129008	691939	93367		2.0	4.0	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U
112903	L11129009	691939	93367		4.0	6.0												
115201	L11152001	691670	93440		1.0	2.0	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U
115201	L11152002	691670	93440		2.0	4.0	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U
115202	L11152003	691677	93430		1.0	2.0	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U
115202	L11152004	691677	93430		2.0	4.0	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U
115203	L11152005	691655	93409		1.0	2.0	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U
115203	L11152006	691655	93409		2.0	4.0	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U
115204	L11152007	691646	93444		1.0	2.0	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U
115204	L11152008	691646	93444		2.0	4.0	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U	0.420	0.42	U
115205	L11152009	691681	93484		1.0	2.0	0.950	0.41		0.470	0.41		0.260	0.41		0.410	0.41	U
115205	L11152009DL	691681	93484		1.0	2.0	0.820	0.82	U	0.820	0.82	U	0.820	0.82	U	0.820	0.82	U
115205	L11152011	691681	93484		2.0	4.0	0.800	0.42		0.460	0.42		0.180	0.42		0.420	0.42	U
115206	L11152012	691648	93431		1.0	2.0	0.450	0.45	U	0.450	0.45	U	0.450	0.45	U	0.450	0.45	U
115206	L11152013	691648	93431		2.0	4.0	0.450	0.45	U	0.450	0.45	U	0.450	0.45	U	0.450	0.45	U
115207	L11152014	691651	93420		1.0	2.0	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U
115207	L11152015	691651	93420		2.0	4.0	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U
115501	L11155001	691829	92890		0.0	1.0												
115501	L11155002	691829	92890		1.0	2.0												
115501	L11155003	691829	92890		2.0	4.0												
115501	L11155004	691829	92890		4.0	6.0												
115501	L11155005	691829	92890		4.0	6.0												
115502	L11155006	691921	92626		0.0	1.0												
115502	L11155007	691921	92626		1.0	2.0												
115502	L11155008	691921	92626		2.0	4.0												
115502	L11155009	691921	92626		4.0	6.0												
115503	L11155010	692016	92333		0.0	1.0												
115503	L11155011	692016	92333		1.0	2.0												
115503	L11155012	692016	92333		2.0	4.0												
116901	L11169001	691798	92297		0.0	1.0												
116901	L11169002	691798	92297		1.0	2.0												
116902	L1169003	691703	93210		0.0	1.0												
116902	L1169004	691703	93210		1.0	2.0												
116903	L11169005	691920	92946		0.0	1.0												
116903	L11169006	691920	92946		1.0	2.0												
116904	L11169007	691946	92866		0.0	1.0												

Table B-2-2. TNA Post-Excavation Soil Characterization Data Remaining for Polynuclear Aromatic Hydrocarbons at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Benzo(a)anthracene			Benzo(a)pyrene			Benzo(b)fluoranthene			Dibenzo(a,h)anthracene		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							8.1	---	---	0.81	---	---	8.1	---	---	0.81	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^b :							2,100	---	---	210	---	---	2,100	---	---	210	---	---
<i>Eco CC</i> ^c :							---	---	---	---	---	---	---	---	---	---	---	---
116904	L11169008	691946	92866		1.0	2.0												
116905	L11169009	692120	92125		0.0	1.0												
116905	L11169010	692120	92125		1.0	2.0												
116906	L11169011	692028	92646		1.0	2.0												
116907	L11169013	692114	92355		0.0	1.0												
116907	L11169014	692114	92355		1.0	2.0												
116908	L11169016	692066	92273		0.0	1.0												
116908	L11169017	692066	92273		1.0	2.0												
116909	L11169018	691757	92233		0.0	1.0												
116909	L11169019	691757	92233		1.0	2.0												
116910	L11169020	691979	93373		0.0	1.0												
116910	L11169021	691979	93373		1.0	2.0												
116911	L11169022	691769	93328		0.0	1.0												
116911	L11169023	691769	93328		1.0	2.0												
116912	L11169024	691863	93415		0.0	1.0												
116912	L11169025	691863	93415		1.0	2.0												
116913	L11169026	691701	92898		0.0	1.0												
116913	L11169027	691701	92898		1.0	2.0												
116914	L11169028	691725	93411		0.0	1.0												
116914	L11169028DL	691725	93411		0.0	1.0												
116914	L11169029	691725	93411		1.0	2.0												
116914	L11169029DL	691725	93411		1.0	2.0												
116915	L11169030	691883	93355		0.0	1.0												
116915	L11169031	691883	93355		0.0	1.0												
116916	L11169032	692204	93063		0.0	1.0												
116916	L11169033	692204	93063		0.0	1.0												
116916	L11169034	692204	93063		1.0	2.0												
116917	L11169035	691698	92263		0.0	1.0												
116917	L11169036	691698	92263		1.0	2.0												
116918	L11169037	691949	93168		0.0	1.0												
116918	L11169038	691949	93168		1.0	2.0												
116919	L11169039	692104	92656		0.0	1.0												
116919	L11169040	692104	92656		1.0	2.0												
116920	L11169041	691813	92098		0.0	1.0												
116920	L11169042	691813	92098		1.0	2.0												
116920	L11169043	691813	92098		1.0	2.0												
116921	L11169044	692141	92572		0.0	1.0												

Table B-2-2. TNA Post-Excavation Soil Characterization Data Remaining for Polynuclear Aromatic Hydrocarbons at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Benzo(a)anthracene			Benzo(a)pyrene			Benzo(b)fluoranthene			Dibenzo(a,h)anthracene		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							8.1	---	---	0.81	---	---	8.1	---	---	0.81	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^b :							2,100	---	---	210	---	---	2,100	---	---	210	---	---
<i>Eco CC</i> ^c :							---	---	---	---	---	---	---	---	---	---	---	---
116921	L11169045	692141	92572		1.0	2.0												
116922	L11169046	692089	92779		0.0	1.0												
116922	L11169047	692089	92779		1.0	2.0												
116925	L11169052	691675	93311		0.0	1.0												
116925	L11169053	691675	93311		1.0	2.0												
160302	L1163014	692094	92997		1.0	2.0												
163701	L1163001	691731	92351		0.0	1.0												
163701	L1163002	691731	92351		1.0	2.0	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U
163701	L1163003	691731	92351		2.0	4.0	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U	0.440	0.44	U
163701	L1163004	691731	92351		4.0	6.0												
163702	L1163005	691759	92309		0.0	1.0												
163702	L1163006	691759	92309		1.0	2.0	0.450	0.45	U	0.450	0.45	U	0.450	0.45	U	0.450	0.45	U
163702	L1163007	691759	92309		2.0	4.0	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U	0.430	0.43	U
163702	L1163008	691759	92309		4.0	6.0												
10DD01	L110DD001	691669	93262		0.0	1.0												
10DD01	L110DD002	691669	93262		1.0	2.0												
10DD01	L110DD003	691669	93262		2.0	4.0												
10DD01	L110DD004	691669	93262		4.0	6.0												
10DD02	L110DD005	691641	93234		0.0	1.0												
10DD02	L110DD006	691641	93234		1.0	2.0												
10DD02	L110DD007	691641	93234		2.0	4.0												
10DD02	L110DD008	691641	93234		4.0	6.0												
10DD03	L110DD009	691565	93119		0.0	1.0												
10DD03	L110DD010	691565	93119		1.0	2.0												
10DD03	L110DD011	691565	93119		2.0	4.0												
10DD03	L110DD012	691565	93119		4.0	6.0												
10DD04	L110DD013	691508	93081		0.0	1.0												
10DD04	L110DD014	691508	93081		1.0	2.0												
10DD04	L110DD015	691508	93081		2.0	4.0												
10DD04	L110DD016	691508	93081		2.0	4.0												
10DD04	L110DD017	691508	93081		4.0	6.0												
10DD05	L110DD018	691525	93099		0.0	1.0												
10DD05	L110DD019	691525	93099		1.0	2.0												
10DD07	L110DD026	691660	93153		0.0	1.0												
10DD07	L110DD027	691660	93153		1.0	2.0												
10DD07	L110DD028	691660	93153		2.0	4.0												
10DD07	L110DD029	691660	93153		4.0	6.0												

Table B-2-2. TNA Post-Excavation Soil Characterization Data Remaining for Polynuclear Aromatic Hydrocarbons at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Benzo(a)anthracene			Benzo(a)pyrene			Benzo(b)fluoranthene			Dibenzo(a,h)anthracene		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							8.1	---	---	0.81	---	---	8.1	---	---	0.81	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^b :							2,100	---	---	210	---	---	2,100	---	---	210	---	---
<i>Eco CC</i> ^c :							---	---	---	---	---	---	---	---	---	---	---	---
10DD09	L110DD034	691861	92762		0.0	1.0												
10DD09	L110DD035	691861	92762		1.0	2.0												
10DD09	L110DD036	691861	92762		2.0	4.0												
10DD09	L110DD037	691861	92762		4.0	6.0												
10DD10	L110DD038	691839	92768		0.0	1.0												
10DD10	L110DD039	691839	92768		0.0	1.0												
10DD10	L110DD040	691839	92768		1.0	2.0												
10DD10	L110DD041	691839	92768		2.0	4.0												
10DD10	L110DD042	691839	92768		4.0	6.0												
10DD11	L110DD043	691762	92784		0.0	1.0												
10DD11	L110DD044	691762	92784		1.0	2.0												
10DD11	L110DD045	691762	92784		1.0	2.0												
10DD11	L110DD046	691762	92784		2.0	4.0												
10DD11	L110DD047	691762	92784		4.0	6.0												
10DD12	L110DD048	691726	92790		0.0	1.0												
10DD12	L110DD049	691726	92790		1.0	2.0												
10DD12	L110DD050	691726	92790		2.0	4.0												
10DD12	L110DD051	691726	92790		4.0	6.0												
10DD13	L110DD052	691627	92701		0.0	1.0												
10DD13	L110DD053	691627	92701		1.0	2.0												
10DD13	L110DD054	691627	92701		2.0	4.0												
10DD13	L110DD055	691627	92701		4.0	6.0												
10DD14	L110DD056	691617	92673		0.0	1.0												
10DD14	L110DD057	691617	92673		1.0	2.0												
10DD14	L110DD058	691617	92673		2.0	4.0												
10DD14	L110DD059	691617	92673		4.0	6.0												
10DD15	L110DD060	691625	92545		0.0	1.0												
10DD15	L110DD061	691625	92545		1.0	2.0												
10DD15	L110DD062	691625	92545		2.0	4.0												
10DD15	L110DD063	691625	92545		4.0	6.0												
10DD16	L110DD065	691588	92546		1.0	2.0												
10DD16	L110DD066	691588	92546		2.0	4.0												
10DD16	L110DD067	691588	92546		4.0	6.0												
10DD17	L110DD069	691547	92435		1.0	2.0												
10DD17	L110DD070	691547	92435		2.0	4.0												
10DD17	L110DD071	691547	92435		4.0	6.0												
10DD17	L110DD072	691547	92435		4.0	6.0												

Table B-2-2. TNA Post-Excavation Soil Characterization Data Remaining for Polynuclear Aromatic Hydrocarbons at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Benzo(a)anthracene			Benzo(a)pyrene			Benzo(b)fluoranthene			Dibenzo(a,h)anthracene		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							8.1	---	---	0.81	---	---	8.1	---	---	0.81	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^b :							2,100	---	---	210	---	---	2,100	---	---	210	---	---
<i>Eco CC</i> ^c :							---	---	---	---	---	---	---	---	---	---	---	---
10DD18	L110DD074	691582	92419		1.0	2.0												
10DD18	L110DD075	691582	92419		2.0	4.0												
10DD18	L110DD076	691582	92419		4.0	6.0												
10DD19	L110DD077	691678	92547		0.0	1.0												
10DD19	L110DD078DL	691678	92547		1.0	2.0												
10DD19	L110DD079DL	691678	92547		2.0	4.0												
10DD20	L110DD081	691806	92511		0.0	1.0												
10DD20	L110DD082	691806	92511		1.0	2.0												
10DD20	L110DD083	691806	92511		2.0	4.0												
10DD20	L110DD084	691806	92511		4.0	6.0												
10DD21	L110DD085	691838	92504		0.0	1.0												
10DD21	L110DD086	691838	92504		1.0	2.0												
10DD21	L110DD087	691838	92504		2.0	4.0												
10DD21	L110DD088	691838	92504		4.0	6.0												
10DD22	L110DD089	691858	92111		0.0	1.0												
10DD22	L110DD090	691858	92111		1.0	2.0												
10DD22	L110DD091	691858	92111		2.0	4.0												
10DD22	L110DD092	691858	92111		4.0	6.0												
10DD23	L110DD094	691798	92021		1.0	2.0												
10DD23	L110DD095	691798	92021		2.0	4.0												
10DD23	L110DD096	691798	92021		4.0	6.0												
10DD25	L110DD102	691742	92808		2.0	4.0												
10DD25	L110DD103	691742	92808		1.0	2.0												
10DD25	L110DD104	691742	92808		2.0	4.0												
10DD25	L110DD105	691742	92808		4.0	6.0												
10DD26	L110DD106	691759	92856		0.0	1.0												
10DD26	L110DD107	691759	92856		1.0	2.0												
10DD26	L110DD108	691759	92856		2.0	4.0												
10DD26	L110DD109	691759	92856		4.0	6.0												
10DD27	L110DD110	691918	91943		0.0	1.0												
10DD27	L110DD111	691918	91943		1.0	2.0												
10DD27	L110DD112	691918	91943		2.0	4.0												
10DD27	L110DD113	691918	91943		4.0	6.0												
10DD28	L110DD115	691840	91886		1.0	2.0												
10DD28	L110DD116	691840	91886		2.0	4.0												
10DD28	L110DD117	691840	91886		4.0	6.0												
10DD29	L110DD131	691632	93305		0.0	1.0												

Table B-2-2. TNA Post-Excavation Soil Characterization Data Remaining for Polynuclear Aromatic Hydrocarbons at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Benzo(a)anthracene			Benzo(a)pyrene			Benzo(b)fluoranthene			Dibenzo(a,h)anthracene		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							8.1	---	---	0.81	---	---	8.1	---	---	0.81	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^b :							2,100	---	---	210	---	---	2,100	---	---	210	---	---
<i>Eco CC</i> ^c :							---	---	---	---	---	---	---	---	---	---	---	---
10DD29	L110DD132	691632	93305		1.0	2.0												
10DD29	L110DD133	691632	93305		2.0	4.0												
10DD29	L110DD134	691632	93305		4.0	6.0												
Maximum Reported Concentration (Detects and Non-Detects):							0.950	---		0.820	---	U	0.820	---	U	0.820	---	U
Maximum Detected Concentration:							0.950	---		0.470	---		0.530	---		NA	---	---
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TCR=1E-06; THQ=1.0):							0	---	---	1	---	---	0	---	---	1	---	---
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection):							---	---	---	---	---	---	---	---	---	---	---	---
Number of Sample Results Greater than USEPA RSL for Industrial Soil (TCR=1E-04; THQ=1.0):							0	---	---	0	---	---	0	---	---	0	---	---
Number of Sample Results Greater than Eco CC:							---	---	---	---	---	---	---	---	---	---	---	---

^a Gray-shaded concentrations exceed the corresponding IAAAP OU-1 ROD RGs protective of an industrial worker ingesting soil (USACE 1998a).

^b Concentrations in **bold** exceed the corresponding RSLs (USEPA 2018a) protective of an industrial worker exposed to soil via ingestion, dermal contact, and dust inhalation.

^c Concentrations in *italics* exceed the corresponding Eco CCs calculated for Line 1.

Notes:

"--" Indicates that there is no comparison value available.

All results and comparison values are in mg/kg.

NA - Maximum detected result is not available because all results reported for the parameter are non-detect.

VQ symbols indicate: "=" positive identification, positive quantitation, no reason to estimate, "U" non-detect, no reason to estimate, "J" positive identification, estimated quantitation,

"UJ" analyte was not detected and had QC deficiencies.

Table B-2-3. TNA Post-Excavation Soil Characterization Data Remaining for Polychlorinated Biphenyls and Dieldrin at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Aroclor-1016			Aroclor-1221			Aroclor-1232			Aroclor-1242		
							Result	DL	VQ									
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							---	---	---	---	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:							27	---	---	83	---	---	72	---	---	95	---	---
<i>Eco CC^c:</i>							---	---	---	---	---	---	---	---	---	---	---	---
100101	L1101001	691685	93330		0.0	1.0												
100101	L1101002	691685	93330		1.0	2.0												
100101	L1101003	691685	93330		2.0	4.0												
100101	L1101004	691685	93330		4.0	6.0												
100102	L1101005	691685	93369		0.0	1.0												
100102	L1101006	691685	93369		1.0	2.0												
100102	L1101007	691685	93369		2.0	4.0												
100102	L1101008	691685	93369		4.0	6.0												
100103	L1101009	691723	93308		0.0	1.0												
100103	L1101010	691723	93308		1.0	2.0												
100103	L1101011	691723	93308		2.0	4.0												
100103	L1101012	691723	93308		4.0	6.0												
100201	L1102001	691824	93116		1.0	2.0												
100201	L1102002	691824	93116		2.0	4.0												
100202	L1102003	691834	93110		1.0	2.0												
100202	L1102004	691834	93110		2.0	4.0												
100203	L1102005	691839	93129		1.0	2.0												
100203	L1102006	691839	93129		2.0	4.0												
100204	L1102007	691851	93109		1.0	2.0												
100204	L1102008	691851	93109		2.0	4.0												
100205	L1102009	691838	93090		1.0	2.0												
100205	L1102010	691838	93090		2.0	4.0												
100205	L1102011	691838	93090		2.0	4.0												
100206	L1102012	691842	93123		1.0	2.0												
100206	L1102013	691842	93123		2.0	4.0												
100302	L1103005	691754	93117		0.0	1.0												
100302	L1103006	691754	93117		1.0	2.0												
100302	L1103007	691754	93117		2.0	4.0												
100302	L1103008	691754	93117		4.0	6.0												
100303	L1103009	691803	93111		0.0	1.0												
100303	L1103010	691803	93111		1.0	2.0												
100303	L1103011	691803	93111		2.0	4.0												
100303	L1103012	691803	93111		4.0	6.0												
100304	L1103013	691776	93096		0.0	1.0												
100304	L1103014	691776	93096		1.0	2.0												
100304	L1103015	691776	93096		2.0	4.0												
100304	L1103016	691776	93096		2.0	4.0												
100304	L1103017	691776	93096		4.0	6.0												
100305	L1103018	692112	92187		0.0	1.0												

Table B-2-3. TNA Post-Excavation Soil Characterization Data Remaining for Polychlorinated Biphenyls and Dieldrin at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Aroclor-1016			Aroclor-1221			Aroclor-1232			Aroclor-1242		
							Result	DL	VQ									
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							---	---	---	---	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:							27	---	---	83	---	---	72	---	---	95	---	---
<i>Eco CC^c:</i>							---	---	---	---	---	---	---	---	---	---	---	---
100305	L1103019	692112	92187		1.0	2.0												
100305	L1103020	692112	92187		2.0	4.0												
100305	L1103021	692112	92187		4.0	6.0												
100401	L1104001	691772	93135		0.0	1.0												
100401	L1104002	691772	93135		1.0	2.0												
100401	L1104003	691772	93135		2.0	4.0												
100401	L1104004	691772	93135		4.0	6.0												
100402	L1104005	691742	93216		0.0	1.0												
100402	L1104006	691742	93216		1.0	2.0												
100402	L1104007	691742	93216		2.0	4.0												
100402	L1104008	691742	93216		4.0	6.0												
100403	L1104009	691792	93152		0.0	1.0												
100403	L1104010	691792	93152		1.0	2.0												
100403	L1104011	691792	93152		2.0	4.0												
100403	L1104012	691792	93152		4.0	6.0												
100404	L1104013	691796	93140		0.0	1.0												
100404	L1104014	691796	93140		1.0	2.0												
100404	L1104015	691796	93140		2.0	4.0												
100404	L1104016	691796	93140		4.0	6.0												
100501	L1105001	691921	92838		0.0	1.0												
100501	L1105002	691921	92838		1.0	2.0												
100501	L1105003	691921	92838		2.0	4.0												
100501	L1105004	691921	92838		4.0	6.0												
100502	L1105005	691921	92844		0.0	1.0												
100502	L1105006	691921	92844		1.0	2.0												
100502	L1105007	691921	92844		1.0	2.0												
100502	L1105008	691921	92844		2.0	4.0												
100502	L1105009	691921	92844		4.0	6.0												
100503	L1105010	691915	92797		0.0	1.0												
100503	L1105011	691915	92797		1.0	2.0												
100503	L1105012	691915	92797		2.0	4.0												
100503	L1105013	691915	92797		4.0	6.0												
100504	L1105014	691932	92802		0.0	1.0												
100504	L1105015	691932	92802		1.0	2.0												
100504	L1105016	691932	92802		2.0	4.0												
100504	L1105017	691932	92802		4.0	6.0												
100505	L1105018	691911	92799		0.0	1.0												
100505	L1105019	691911	92799		1.0	2.0												
100505	L1105020	691911	92799		2.0	4.0												

Table B-2-3. TNA Post-Excavation Soil Characterization Data Remaining for Polychlorinated Biphenyls and Dieldrin at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Aroclor-1016			Aroclor-1221			Aroclor-1232			Aroclor-1242		
							Result	DL	VQ									
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							---	---	---	---	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:							27	---	---	83	---	---	72	---	---	95	---	---
<i>Eco CC^c:</i>							---	---	---	---	---	---	---	---	---	---	---	---
100505	L1105021	691911	92799		4.0	6.0												
100506	L1105022	691896	92792		1.0	2.0												
100506	L1105023	691896	92792		2.0	4.0												
100506	L1105024	691896	92792		4.0	6.0												
100509	L1105035	691899	92831		0.0	1.0												
100509	L1105036	691899	92831		1.0	2.0												
100509	L1105037	691899	92831		2.0	4.0												
100509	L1105038	691899	92831		4.0	6.0												
100510	L1105055	691886	92945		0.0	1.0												
100510	L1105056	691886	92945		1.0	2.0												
100510	L1105057	691886	92945		2.0	4.0												
100510	L1105058	691886	92945		4.0	6.0												
100511	L1105059	691877	92995		1.0	2.0												
100511	L1105060	691877	92995		2.0	4.0												
100511	L1105061	691877	92995		2.0	4.0												
100511	L1105062	691877	92995		4.0	6.0												
100512	L1105063	691842	92972		1.0	2.0												
100512	L1105064	691842	92972		2.0	4.0												
100512	L1105065	691842	92972		4.0	6.0												
100513	L1105066	691845	92995		1.0	2.0												
100513	L1105067	691845	92995		2.0	4.0												
100513	L1105068	691845	92995		2.0	4.0												
100514	L1105069	691849	92986		1.0	2.0												
100514	L1105070	691849	92986		2.0	4.0												
100514	L1105071	691849	92986		4.0	5.0												
100517	L1105079	691867	93001		0.0	1.0												
100517	L1105080	691867	93001		1.0	2.0												
100517	L1105081	691867	93001		2.0	4.0												
100517	L1105082	691867	93001		4.0	6.0												
100519	L1105088	691864	92940		0.0	1.0												
100519	L1105089	691864	92940		1.0	2.0												
100519	L1105090	691864	92940		2.0	4.0												
100519	L1105091	691864	92940		4.0	6.0												
100521	L1105096	691911	92849		0.0	1.0												
100521	L1105097	691911	92849		1.0	2.0												
100521	L1105098	691911	92849		2.0	4.0												
100521	L1105099	691911	92849		4.0	6.0												
100601	L1106001	691750	92646		0.0	1.0												
100601	L1106002	691750	92646		1.0	2.0												

Table B-2-3. TNA Post-Excavation Soil Characterization Data Remaining for Polychlorinated Biphenyls and Dieldrin at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Aroclor-1016			Aroclor-1221			Aroclor-1232			Aroclor-1242		
							Result	DL	VQ									
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							---	---	---	---	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:							27	---	---	83	---	---	72	---	---	95	---	---
<i>Eco CC^c:</i>							---	---	---	---	---	---	---	---	---	---	---	---
100601	L1106003	691750	92646		2.0	4.0												
100601	L1106004	691750	92646		2.0	4.0												
100601	L1106005	691750	92646		4.0	6.0												
100602	L1106006	691739	92639		0.0	1.0												
100602	L1106007	691739	92639		1.0	2.0												
100602	L1106008	691739	92639		2.0	4.0												
100602	L1106009	691739	92639		4.0	6.0												
100603	L1106010	691621	93000		0.0	1.0												
100603	L1106011	691621	93000		1.0	2.0												
100603	L1106012	691621	93000		2.0	4.0												
100603	L1106013	691621	93000		4.0	6.0												
100604	L1106014	691632	93007		0.0	1.0												
100604	L1106015	691632	93007		1.0	2.0												
100604	L1106016	691632	93007		2.0	4.0												
100604	L1106017	691632	93007		4.0	6.0												
100701	L1107001	692002	92830		0.0	1.0												
100701	L1107002	692002	92830		1.0	2.0												
100701	L1107003	692002	92830		2.0	4.0												
100702	L1107005	692023	92845		0.0	1.0												
100702	L1107006	692023	92845		1.0	2.0												
100702	L1107007	692023	92845		2.0	4.0												
100702	L1107008	692023	92845		4.0	6.0												
100703	L1107009	692034	92800		0.0	1.0												
100703	L1107010	692034	92800		1.0	2.0												
100703	L1107011	692034	92800		2.0	4.0												
100703	L1107012	692034	92800		4.0	6.0												
100801	L1108001	691700	92779		0.0	1.0												
100801	L1108002	691700	92779		1.0	2.0												
100801	L1108003	691700	92779		2.0	4.0												
100801	L1108004	691700	92779		2.0	4.0												
100801	L1108005	691700	92779		4.0	6.0												
100802	L1108006	691723	92706		0.0	1.0												
100802	L1108006A	691723	92706		0.0	1.0												
100802	L1108007	691723	92706		1.0	2.0												
100802	L1108007A	691723	92706		1.0	2.0												
100802	L1108008	691723	92706		2.0	4.0												
100802	L1108008A	691723	92706		2.0	4.0												
100802	L1108009	691723	92706		4.0	6.0												
100802	L1108009A	691723	92706		4.0	6.0												

Table B-2-3. TNA Post-Excavation Soil Characterization Data Remaining for Polychlorinated Biphenyls and Dieldrin at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Aroclor-1016			Aroclor-1221			Aroclor-1232			Aroclor-1242		
							Result	DL	VQ									
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							---	---	---	---	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:							27	---	---	83	---	---	72	---	---	95	---	---
<i>Eco CC^c:</i>							---	---	---	---	---	---	---	---	---	---	---	---
100803	L1108010	691715	92725		0.0	1.0												
100803	L1108011	691715	92725		1.0	2.0												
100803	L1108012	691715	92725		2.0	4.0												
100803	L1108013	691715	92725		4.0	6.0												
100805	L1108018	691709	92730		0.0	1.0												
100805	L1108019	691709	92730		1.0	2.0												
100805	L1108020	691709	92730		2.0	4.0												
100805	L1108021	691709	92730		4.0	6.0												
101001	L1110001	691959	92688		0.0	1.0												
101001	L1110002	691959	92688		1.0	2.0												
101001	L1110003	691959	92688		2.0	4.0												
101001	L1110004	691959	92688		4.0	6.0												
101004	L1110016	691978	92653		0.0	1.0												
101004	L1110017	691978	92653		1.0	2.0												
101004	L1110018	691978	92653		2.0	4.0												
101004	L1110019	691978	92653		4.0	6.0												
101005	L1110037	691993	92609		0.0	1.0												
101005	L1110038	691993	92609		1.0	2.0												
101005	L1110039	691993	92609		2.0	4.0												
101005	L1110040	691993	92609		4.0	6.0												
101006	L1110025	691952	92623		0.0	1.0												
101006	L1110026	691952	92623		1.0	2.0												
101006	L1110027	691952	92623		2.0	4.0												
101006	L1110028	691952	92623		4.0	5.0												
101007	L1110029	691971	92576		0.0	1.0												
101007	L1110030	691971	92576		1.0	2.0												
101008	L1110033	691999	92585		0.0	1.0												
101008	L1110034	691999	92585		1.0	2.0												
101008	L1110035	691999	92585		2.0	4.0												
101008	L1110036	691999	92585		4.0	6.0												
101009	L1110021	691999	92618		0.0	1.0												
101009	L1110022	691999	92618		1.0	2.0												
101009	L1110023	691999	92618		2.0	4.0												
101009	L1110024	691999	92618		4.0	6.0												
101101	L1111001	691809	93287		0.0	1.0												
101101	L1111002	691809	93287		1.0	2.0												
101101	L1111003	691809	93287		2.0	4.0												
101101	L1111004	691809	93287		4.0	6.0												
101102	L1111005	691832	93269		0.0	1.0	0.039	0.039	U	0.079	0.079	U	0.039	0.039	U	0.039	0.039	U

Table B-2-3. TNA Post-Excavation Soil Characterization Data Remaining for Polychlorinated Biphenyls and Dieldrin at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Aroclor-1016			Aroclor-1221			Aroclor-1232			Aroclor-1242		
							Result	DL	VQ									
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							---	---	---	---	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:							27	---	---	83	---	---	72	---	---	95	---	---
<i>Eco CC^c:</i>							---	---	---	---	---	---	---	---	---	---	---	---
101102	L1111006	691832	93269		2.0	4.0	0.044	0.044	U	0.087	0.087	U	0.044	0.044	U	0.044	0.044	U
101103	L1111007	691812	93314		0.0	1.0												
101103	L1111008	691812	93314		1.0	2.0												
101103	L1111009	691812	93314		2.0	4.0												
101103	L1111010	691812	93314		4.0	6.0												
101104	L1111011	691845	93331		0.0	1.0												
101104	L1111012	691845	93331		1.0	2.0												
101104	L1111013	691845	93331		2.0	4.0												
101104	L1111014	691845	93331		4.0	6.0												
101105	L1111015	691894	93311		0.0	1.0												
101105	L1111016	691894	93311		1.0	2.0												
101105	L1111017	691894	93311		2.0	4.0												
101105	L1111018	691894	93311		4.0	6.0												
101106	L1111019	691911	93281		0.0	1.0												
101106	L1111020	691911	93281		1.0	2.0												
101106	L1111022	691911	93281		2.0	4.0												
101106	L1111023	691911	93281		4.0	6.0												
101107	L1111024	691838	93244		0.0	1.0												
101107	L1111025	691838	93244		1.0	2.0												
101107	L1111026	691838	93244		2.0	4.0												
101107	L1111027	691838	93244		4.0	6.0												
101201	L1112001	692036	92381		1.0	2.0												
101201	L1112001A	692036	92381		0.0	1.0												
101201	L1112002	692036	92381		1.0	2.0												
101201	L1112003	692036	92381		2.0	4.0												
101201	L1112004	692036	92381		4.0	6.0												
101204	L1112011A	692080	92344		0.0	1.0												
101204	L1112012	692080	92344		2.0	4.0												
101204	L1112013	692080	92344		4.0	6.0												
101205	L1112014	692105	92261		1.0	2.0												
101205	L1112014A	692105	92261		0.0	1.0												
101205	L1112015	692105	92261		2.0	4.0												
101205	L1112016	692105	92261		4.0	6.0												
101206	L1112017	692086	92238		1.0	2.0												
101206	L1112017A	692086	92238		0.0	1.0												
101206	L1112018	692086	92238		2.0	4.0												
101206	L1112019	692086	92238		4.0	6.0												
101207	L1112020	692050	92340		1.0	2.0												
101207	L1112020A	692050	92340		0.0	1.0												

Table B-2-3. TNA Post-Excavation Soil Characterization Data Remaining for Polychlorinated Biphenyls and Dieldrin at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Aroclor-1016			Aroclor-1221			Aroclor-1232			Aroclor-1242		
							Result	DL	VQ									
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							---	---	---	---	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:							27	---	---	83	---	---	72	---	---	95	---	---
<i>Eco CC^c:</i>							---	---	---	---	---	---	---	---	---	---	---	---
101207	L1112021	692050	92340		2.0	4.0												
101207	L1112022	692050	92340		4.0	6.0												
101208	L1112023	692041	92462		0.0	1.0												
101208	L1112024	692041	92462		1.0	2.0												
101208	L1112025	692041	92462		1.0	2.0												
101208	L1112026	692041	92462		2.0	4.0												
101208	L1112027	692041	92462		4.0	6.0												
101209	L1112028	692063	92389		0.0	1.0												
101209	L1112029	692063	92389		1.0	2.0												
101209	L1112030	692063	92389		2.0	4.0												
101209	L1112031	692063	92389		4.0	6.0												
101210	L1112033	692085	92323		1.0	2.0												
101210	L1112034	692085	92323		2.0	4.0												
101210	L1112036	692085	92323		4.0	6.0												
101210	L111232	692085	92323		0.0	1.0												
101211	L1112037	692098	92292		0.0	1.0												
101211	L1112038	692098	92292		1.0	2.0												
101211	L1112039	692098	92292		2.0	4.0												
101211	L1112040	692098	92292		4.0	6.0												
101212	L1112041	692076	92256		0.0	1.0												
101212	L1112042	692076	92256		1.0	2.0												
101212	L1112043	692076	92256		2.0	4.0												
101212	L1112044	692076	92256		4.0	6.0												
101213	L1112045	692055	92294		0.0	1.0												
101213	L1112046	692055	92294		1.0	2.0												
101213	L1112047	692055	92294		2.0	4.0												
101213	L1112048	692055	92294		2.0	4.0												
101213	L1112049	692055	92294		4.0	6.0												
101301	L1113001	691873	92319		0.0	1.0												
101301	L1113002	691873	92319		1.0	2.0												
101301	L1113003	691873	92319		2.0	4.0												
101301	L1113004	691873	92319		4.0	6.0												
101302	L1113006	691868	92338		0.0	1.0												
101302	L1113007	691868	92338		1.0	2.0												
101302	L1113008	691868	92338		2.0	4.0												
101302	L1113009	691868	92338		4.0	6.0												
101303	L1113010	691845	92407		0.0	1.0												
101303	L1113011	691845	92407		1.0	2.0												
101303	L1113012	691845	92407		2.0	4.0												

Table B-2-3. TNA Post-Excavation Soil Characterization Data Remaining for Polychlorinated Biphenyls and Dieldrin at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Aroclor-1016			Aroclor-1221			Aroclor-1232			Aroclor-1242		
							Result	DL	VQ									
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							---	---	---	---	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:							27	---	---	83	---	---	72	---	---	95	---	---
<i>Eco CC^c:</i>							---	---	---	---	---	---	---	---	---	---	---	---
101303	L1113013	691845	92407		4.0	6.0												
101304	L1113014	691870	92409		2.0	4.0												
101304	L1113015	691870	92409		1.0	2.0												
101304	L1113016	691870	92409		2.0	4.0												
101304	L1113017	691870	92409		4.0	6.0												
101305	L1113018	691882	92387		0.0	1.0												
101305	L1113019	691882	92387		1.0	2.0												
101305	L1113020	691882	92387		2.0	4.0												
101305	L1113021	691882	92387		4.0	6.0												
101306	L1113024	691889	94486		1.0	2.0												
101307	L1113023	691900	92319		1.0	2.0												
101307	L1113027	691900	92319		0.0	1.0												
101307	L1113028	691900	92319		1.0	2.0												
101308	L11130035	691875	92309		4.0	6.0												
101308	L1113031	691875	92309		0.0	1.0												
101308	L1113032	691875	92309		1.0	2.0												
101308	L1113033	691875	92309		2.0	4.0												
101308	L1113034	691875	92309		2.0	4.0												
101309	L1113036	691881	92297		0.0	1.0												
101309	L1113037	691881	92297		1.0	2.0												
101309	L1113038	691881	92297		2.0	4.0												
101309	L1113039	691881	92297		4.0	6.0												
101401	L1114001	691797	92489		0.0	1.0												
101401	L1114002	691797	92489		1.0	2.0												
101401	L1114003	691797	92489		2.0	4.0												
101401	L1114004	691797	92489		4.0	6.0												
101402	L1114005	691814	92487		0.0	1.0												
101402	L1114006	691814	92487		1.0	2.0												
101402	L1114007	691814	92487		2.0	4.0												
101402	L1114008	691814	92487		4.0	6.0												
101501	L1115001	691936	92124		0.0	1.0												
101501	L1115002	691936	92124		1.0	2.0												
101501	L1115003	691936	92124		2.0	4.0												
101501	L1115004	691936	92124		4.0	6.0												
101502	L1115005	691916	92117		0.0	1.0												
101502	L1115006	691916	92117		1.0	2.0												
101502	L1115007	691916	92117		2.0	4.0												
101502	L1115008	691916	92117		4.0	6.0												
101503	L1115009	691925	92088		0.0	1.0												

Table B-2-3. TNA Post-Excavation Soil Characterization Data Remaining for Polychlorinated Biphenyls and Dieldrin at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Aroclor-1016			Aroclor-1221			Aroclor-1232			Aroclor-1242		
							Result	DL	VQ									
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							---	---	---	---	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:							27	---	---	83	---	---	72	---	---	95	---	---
<i>Eco CC^c:</i>							---	---	---	---	---	---	---	---	---	---	---	---
101503	L1115010	691925	92088		1.0	2.0												
101503	L1115011	691925	92088		2.0	4.0												
101503	L1115012	691925	92088		4.0	6.0												
101504	L1115014	691931	92075		0.0	1.0												
101504	L1115015	691931	92075		1.0	2.0												
101504	L1115016	691931	92075		2.0	4.0												
101504	L1115017	691931	92075		4.0	6.0												
101505	L1115018	691943	92106		0.0	1.0												
101505	L1115019	691943	92106		1.0	2.0												
101505	L1115020	691943	92106		2.0	4.0												
101505	L1115021	691943	92106		4.0	6.0												
101506	L1115022	691950	92080		0.0	1.0												
101506	L1115023	691950	92080		1.0	2.0												
101506	L1115024	691950	92080		2.0	4.0												
101506	L1115025	691950	92080		4.0	6.0												
101601	L1116001	692018	92532		1.0	2.0	0.043	0.043	U	0.087	0.087	U	0.043	0.043	U	0.043	0.043	U
101602	L1116002	692025	92510		1.0	2.0												
101604	L1116005	692012	92535		1.0	2.0												
101605	L1116006	692003	92526		1.0	2.0												
101605	L1116007	692003	92526		1.0	2.0												
101901	L1119001	691756	92245		0.0	1.0												
101901	L1119002	691756	92245		1.0	2.0												
101901	L1119003	691756	92245		2.0	4.0												
101901	L1119004	691756	92245		4.0	6.0												
101902	L1119005	691701	92291		0.0	1.0												
101902	L1119006	691701	92291		1.0	2.0												
101902	L1119007	691701	92291		2.0	4.0												
101902	L1119008	691701	92291		4.0	6.0												
101903	L1119011	691682	92349		0.0	1.0												
101903	L1119012	691682	92349		1.0	2.0												
101903	L1119013	691682	92349		2.0	4.0												
101903	L1119014	691682	92349		4.0	6.0												
101904	L1119015	691752	92256		0.0	1.0												
101904	L1119016	691752	92256		1.0	2.0												
101904	L1119017	691752	92256		2.0	4.0												
101904	L1119018	691752	92256		4.0	6.0												
101905	L1119019	691756	92280		0.0	1.0												
101905	L1119020	691756	92280		1.0	2.0												
101905	L1119021	691756	92280		2.0	4.0												

Table B-2-3. TNA Post-Excavation Soil Characterization Data Remaining for Polychlorinated Biphenyls and Dieldrin at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Aroclor-1016			Aroclor-1221			Aroclor-1232			Aroclor-1242		
							Result	DL	VQ									
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							---	---	---	---	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:							27	---	---	83	---	---	72	---	---	95	---	---
<i>Eco CC^c:</i>							---	---	---	---	---	---	---	---	---	---	---	---
101905	L1119022	691756	92280		4.0	6.0												
103601	L1136001	691816	93159		0.0	1.0												
103601	L1136002	691816	93159		1.0	2.0												
103601	L1136003	691816	93159		2.0	4.0												
103602	L1136004	691819	93152		0.0	1.0												
103602	L1136005	691819	93152		1.0	2.0												
103602	L1136006	691819	93152		2.0	4.0												
103603	L1136007	691811	93151		0.0	1.0												
103603	L1136008	691811	93151		1.0	2.0												
103603	L1136009	691811	93151		2.0	4.0												
104001	L1140001	691989	92970		0.0	1.0												
104001	L1140002	691989	92970		1.0	2.0												
104001	L1140003	691989	92970		2.0	4.0												
104001	L1140004	691989	92970		4.0	6.0												
104002	L1140005	691966	92968		0.0	1.0												
104002	L1140007	691966	92968		1.0	2.0												
104002	L1140008	691966	92968		2.0	4.0												
104002	L1140009	691966	92968		4.0	6.0												
104003	L1140010	692020	92953		0.0	1.0												
104003	L1140011	692020	92953		0.0	1.0												
104003	L1140013	692020	92953		2.0	4.0												
104003	L1140014	692020	92953		4.0	6.0												
104004	L1140015	691950	92925		0.0	1.0												
104004	L1140016	691950	92925		1.0	2.0												
104004	L1140017	691950	92925		2.0	4.0												
104004	L1140018	691950	92925		4.0	6.0												
104005	L1140006	692034	92912		2.0	4.0												
104005	L1140020	692034	92912		0.0	1.0												
104005	L1140021	692034	92912		1.0	2.0												
104005	L1140022	692034	92912		2.0	4.0												
104005	L1140023	692034	92912		4.0	6.0												
104006	L1140024	692023	92873		0.0	1.0												
104006	L1140025	692023	92873		1.0	2.0												
104006	L1140026	692023	92873		2.0	4.0												
104006	L1140027	692023	92873		4.0	6.0												
104007	L1140028	691983	92874		0.0	1.0												
104007	L1140029	691983	92874		1.0	2.0												
104007	L1140030	691983	92874		2.0	4.0												
105001	L1150001	691709	92844		1.0	2.0												

Table B-2-3. TNA Post-Excavation Soil Characterization Data Remaining for Polychlorinated Biphenyls and Dieldrin at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Aroclor-1016			Aroclor-1221			Aroclor-1232			Aroclor-1242		
							Result	DL	VQ									
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							---	---	---	---	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:							27	---	---	83	---	---	72	---	---	95	---	---
<i>Eco CC^c:</i>							---	---	---	---	---	---	---	---	---	---	---	---
105001	L1150002	691709	92844		2.0	4.0												
105001	L1150003	691709	92844		4.0	6.0												
105003	L1150007	691689	92828		0.0	1.0												
105003	L1150008	691689	92828		1.0	2.0												
105003	L1150009	691689	92828		2.0	4.0												
105003	L1150010	691689	92828		4.0	6.0												
105004	L1150011	691716	92826		0.0	1.0												
105004	L1150012	691716	92826		1.0	2.0												
105004	L1150013	691716	92826		2.0	4.0												
105004	L1150014	691716	92826		4.0	6.0												
105301	L1153001	692136	92161		1.0	2.0												
105301	L1153001A	692136	92161		0.0	1.0												
105301	L1153003	692136	92161		2.0	4.0												
105301	L1153004	692136	92161		4.0	6.0												
105302	L1153002	692145	92145		0.0	1.0												
105302	L1153005	692145	92145		1.0	2.0												
105302	L1153005A	692145	92145		0.0	1.0												
105302	L1153006	692145	92145		2.0	4.0												
105302	L1153007	692145	92145		4.0	6.0												
105303	L1153008	692108	92140		1.0	2.0												
105303	L1153008A	692108	92140		0.0	1.0												
105303	L1153009	692108	92140		2.0	4.0												
105303	L1153010	692108	92140		4.0	6.0												
106002	L1160006	691662	92877		0.0	1.0												
106002	L1160007	691662	92877		1.0	2.0												
106002	L1160008	691662	92877		2.0	4.0												
106002	L1160009	691662	92877		4.0	6.0												
106003	L1160010	691680	92888		0.0	1.0												
106003	L1160011	691680	92888		1.0	2.0												
106003	L1160012	691680	92888		2.0	4.0												
106003	L1160013	691680	92888		4.0	6.0												
106003	L1160014	691680	92888		4.0	6.0												
106004	L1160015	691680	92900		0.0	1.0												
106004	L1160016	691680	92900		1.0	2.0												
106004	L1160017	691680	92900		2.0	4.0												
106004	L1160019	691680	92900		4.0	6.0												
106101	L1161001	691947	93086		0.0	1.0												
106101	L1161002	691947	93086		1.0	2.0												
106101	L1161003	691947	93086		2.0	4.0												

Table B-2-3. TNA Post-Excavation Soil Characterization Data Remaining for Polychlorinated Biphenyls and Dieldrin at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Aroclor-1016			Aroclor-1221			Aroclor-1232			Aroclor-1242		
							Result	DL	VQ									
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							---	---	---	---	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:							27	---	---	83	---	---	72	---	---	95	---	---
<i>Eco CC^c:</i>							---	---	---	---	---	---	---	---	---	---	---	---
106101	L1161004	691947	93086		4.0	6.0												
106102	L1161005	691909	93057		0.0	1.0												
106102	L1161006	691909	93057		1.0	2.0												
106102	L1161007	691909	93057		1.0	2.0												
106102	L1161008	691909	93057		2.0	4.0												
106102	L1161009	691909	93057		4.0	6.0												
106104	L1161014	691956	93011		0.0	1.0												
106104	L1161015	691956	93011		1.0	2.0												
106104	L1161016	691956	93011		2.0	4.0												
106104	L1161017	691956	93011		4.0	6.0												
106301	L1163009	692099	92970		0.0	1.0												
106301	L1163010	692099	92970		1.0	2.0												
106301	L1163011	692099	92970		2.0	4.0												
106301	L1163012	692099	92970		4.0	6.0												
106302	L1163013	692094	92997		0.0	1.0												
106302	L1163015	692094	92997		2.0	4.0												
106302	L1163016	692094	92997		4.0	6.0												
106303	L1163017	692099	93024		0.0	1.0												
106303	L1163018	692099	93024		1.0	2.0												
106303	L1163019	692099	93024		2.0	4.0												
106303	L1163020	692099	93024		4.0	6.0												
106304	L1163021	692101	93040		0.0	1.0												
106304	L1163022	692101	93040		1.0	2.0												
106304	L1163023	692101	93040		2.0	4.0												
106304	L1163024	692101	93040		4.0	6.0												
106305	L1163025	692073	93131		0.0	1.0												
106305	L1163026	692073	93131		1.0	2.0												
106305	L1163027	692073	93131		1.0	2.0												
106305	L1163028	692073	93131		2.0	4.0												
106305	L1163029	692073	93131		4.0	6.0												
106306	L1163030	692055	93147		0.0	1.0												
106306	L1163031	692055	93147		1.0	2.0												
106306	L1163032	692055	93147		2.0	4.0												
106306	L1163033	692055	93147		4.0	6.0												
106307	L1163034	692088	93113		0.0	1.0												
106307	L1163035	692088	93113		1.0	2.0												
106307	L1163036	692088	93113		2.0	4.0												
106307	L1163037	692088	93113		4.0	6.0												
106308	L1163038	692094	93102		0.0	1.0												

Table B-2-3. TNA Post-Excavation Soil Characterization Data Remaining for Polychlorinated Biphenyls and Dieldrin at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Aroclor-1016			Aroclor-1221			Aroclor-1232			Aroclor-1242		
							Result	DL	VQ									
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							---	---	---	---	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:							27	---	---	83	---	---	72	---	---	95	---	---
<i>Eco CC^c:</i>							---	---	---	---	---	---	---	---	---	---	---	---
106308	L1163039	692094	93102		1.0	2.0												
106308	L1163040	692094	93102		2.0	4.0												
106308	L1163041	692094	93102		4.0	6.0												
106401	L1164001	692022	93174		0.0	1.0												
106401	L1164002	692022	93174		1.0	2.0												
106401	L1164003	692022	93174		2.0	4.0												
106401	L1164004	692022	93174		4.0	6.0												
106401	L1164018	692022	93174		0.0	1.0												
106402	L1164005	692011	93185		0.0	1.0												
106402	L1164006	692011	93185		4.0	6.0												
106402	L1164007	692011	93185		2.0	4.0												
106402	L1164008	692011	93185		4.0	6.0												
106403	L1164009	692000	93195		0.0	1.0												
106403	L1164010	692000	93195		1.0	2.0												
106403	L1164011	692000	93195		2.0	4.0												
106403	L1164012	692000	93195		4.0	6.0												
106403	L1164013	692000	93195		4.0	6.0												
106404	L1164014	691970	93215		2.0	4.0												
106404	L1164015	691970	93215		1.0	2.0												
106404	L1164016	691970	93215		2.0	4.0												
106404	L1164017	691970	93215		4.0	6.0												
106501	L1165001	692089	92859		0.0	1.0												
106501	L1165002	692089	92859		1.0	2.0												
106501	L1165003	692089	92859		2.0	4.0												
106501	L1165004	692089	92859		4.0	6.0												
106501	L1165005	692089	92859		4.0	6.0												
106502	L1165006	692086	92848		0.0	1.0												
106502	L1165007	692086	92848		1.0	2.0												
106502	L1165008	692086	92848		2.0	4.0												
106502	L1165009	692086	92848		4.0	6.0												
106503	L1165010	692175	92980		0.0	1.0												
106503	L1165011	692175	92980		1.0	2.0												
106503	L1165012	692175	92980		2.0	4.0												
106503	L1165013	692175	92980		4.0	6.0												
106503	L1165030	692175	92980		1.0	2.0												
106504	L1165014	692161	92912		0.0	1.0												
106504	L1165015	692161	92912		1.0	2.0												
106504	L1165016	692161	92912		2.0	4.0												
106504	L1165017	692161	92912		4.0	6.0												

Table B-2-3. TNA Post-Excavation Soil Characterization Data Remaining for Polychlorinated Biphenyls and Dieldrin at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Aroclor-1016			Aroclor-1221			Aroclor-1232			Aroclor-1242		
							Result	DL	VQ									
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							---	---	---	---	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:							27	---	---	83	---	---	72	---	---	95	---	---
<i>Eco CC^c:</i>							---	---	---	---	---	---	---	---	---	---	---	---
106505	L1165018	692194	92823		0.0	1.0												
106505	L1165019	692194	92823		1.0	2.0												
106505	L1165020	692194	92823		2.0	4.0												
106505	L1165021	692194	92823		4.0	6.0												
106506	L1165022	692273	92884		0.0	1.0												
106506	L1165023	692273	92884		1.0	2.0												
106506	L1165024	692273	92884		2.0	4.0												
106506	L1165025	692273	92884		4.0	6.0												
106507	L1165026	692267	92904		0.0	1.0												
106507	L1165027	692267	92904		1.0	2.0												
106507	L1165028	692267	92904		2.0	4.0												
106507	L1165029	692267	92904		4.0	6.0												
106507	L1165031	692267	92904		0.0	1.0												
106601	L1166001	691723	92395		0.0	1.0												
106601	L1166002	691723	92395		1.0	2.0												
106601	L1166003	691723	92395		2.0	4.0												
106601	L1166004	691723	92395		4.0	6.0												
106602	L1166007	691680	92381		0.0	1.0												
106602	L1166008	691680	92381		1.0	2.0												
106602	L1166009	691680	92381		2.0	4.0												
106602	L1166010	691680	92381		4.0	6.0												
106701	L1167001	691949	93193		0.0	1.0												
106701	L1167002	691949	93193		1.0	2.0												
106701	L1167003	691949	93193		2.0	4.0												
106701	L1167004	691949	93193		4.0	6.0												
106702	L1167005	691953	93162		0.0	1.0												
106702	L1167006	691953	93162		1.0	2.0												
106702	L1167007	691953	93162		1.0	2.0												
106702	L1167008	691953	93162		4.0	6.0												
106703	L1167009	691973	93141		0.0	1.0												
106703	L1167010	691973	93141		1.0	2.0												
106703	L1167011	691973	93141		2.0	4.0												
106703	L1167012	691973	93141		4.0	6.0												
107001	L1170001	691981	92458		0.0	1.0												
107001	L1170002	691981	92458		1.0	2.0												
107001	L1170003	691981	92458		2.0	4.0												
107001	L1170004	691981	92458		4.0	6.0												
107002	L1170005	691961	92498		0.0	1.0												
107002	L1170006	691961	92498		1.0	2.0												

Table B-2-3. TNA Post-Excavation Soil Characterization Data Remaining for Polychlorinated Biphenyls and Dieldrin at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Aroclor-1016			Aroclor-1221			Aroclor-1232			Aroclor-1242		
							Result	DL	VQ									
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							---	---	---	---	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:							27	---	---	83	---	---	72	---	---	95	---	---
<i>Eco CC^c:</i>							---	---	---	---	---	---	---	---	---	---	---	---
107002	L1170007	691961	92498		2.0	4.0												
107002	L1170008	691961	92498		4.0	6.0												
107004	L1170014	691976	92478		0.0	1.0												
107004	L1170015	691976	92478		1.0	2.0												
107004	L1170016	691976	92478		2.0	4.0												
107004	L1170017	691976	92478		4.0	6.0												
107101	L1171001	691874	92664		0.0	1.0												
107101	L1171002	691874	92664		1.0	2.0												
107101	L1171003	691874	92664		2.0	4.0												
107101	L1171004	691874	92664		4.0	6.0												
107201	L1172001	691875	92586		0.0	1.0												
107201	L1172002	691875	92586		1.0	2.0												
107201	L1172003	691875	92586		2.0	4.0												
107201	L1172004	691875	92586		4.0	6.0												
107201	L1172005	691875	92586		4.0	6.0												
107303	L1173009	691882	92517		0.0	1.0												
107303	L1173010	691882	92517		1.0	2.0												
107303	L1173011	691882	92517		2.0	4.0												
107303	L1173012	691882	92517		4.0	6.0												
107304	L1173013	691895	92491		0.0	1.0												
107304	L1173014	691895	92491		1.0	2.0												
107304	L1173015	691895	92491		2.0	4.0												
107304	L1173016	691895	92491		4.0	6.0												
107305	L1173017	691925	92475		0.0	1.0												
107305	L1173018	691925	92475		1.0	2.0												
107305	L1173019	691925	92475		2.0	4.0												
107305	L1173020	691925	92475		4.0	6.0												
107401	L1174001	691962	92425		0.0	1.0												
107401	L1174002	691962	92425		1.0	2.0												
107401	L1174003	691962	92425		2.0	4.0												
107401	L1174004	691962	92425		4.0	6.0												
107501	L1175001	691970	92319		0.0	1.0												
107501	L1175002	691970	92319		1.0	2.0												
107501	L1175003	691970	92319		2.0	4.0												
107501	L1175004	691970	92319		4.0	6.0												
107601	L1176001	691995	92243		0.0	1.0												
107601	L1176002	691995	92243		1.0	2.0												
107601	L1176003	691995	92243		1.0	2.0												
107601	L1176004	691995	92243		2.0	4.0												

Table B-2-3. TNA Post-Excavation Soil Characterization Data Remaining for Polychlorinated Biphenyls and Dieldrin at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Aroclor-1016			Aroclor-1221			Aroclor-1232			Aroclor-1242		
							Result	DL	VQ									
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							---	---	---	---	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:							27	---	---	83	---	---	72	---	---	95	---	---
<i>Eco CC^c:</i>							---	---	---	---	---	---	---	---	---	---	---	---
107601	L1176005	691995	92243		4.0	6.0												
107701	L1177001	691839	93355		0.0	1.0												
107701	L1177002	691839	93355		1.0	2.0												
107701	L1177003	691839	93355		2.0	4.0												
107701	L1177004	691839	93355		4.0	6.0												
108501	L1185001	692145	93053		0.0	1.0												
108501	L1185002	692145	93053		1.0	2.0												
108501	L1185003	692145	93053		2.0	4.0												
108501	L1185004	692145	93053		4.0	6.0												
108502	L1185005	692193	93114		0.0	1.0												
108502	L1185006	692193	93114		1.0	2.0												
108502	L1185007	692193	93114		1.0	2.0												
108502	L1185009	692193	93114		4.0	6.0												
110001	L11100001	691889	92747		0.0	1.0												
110001	L11100002	691889	92747		1.0	2.0												
110001	L11100003	691889	92747		2.0	4.0												
110001	L11100004	691889	92747		2.0	4.0												
110003	L11100009	691958	92733		4.0	6.0												
110003	L11100010	691958	92733		0.0	1.0												
110003	L11100011	691958	92733		1.0	2.0												
110003	L11100012	691958	92733		1.0	2.0												
110003	L11100013	691958	92733		2.0	4.0												
110003	L11100014	691958	92733		4.0	6.0												
110021	L111002001	691703	92269		0.0	1.0												
110021	L111002002	691703	92269		0.0	1.0												
110021	L111002003	691703	92269		1.0	2.0												
110021	L111002004	691703	92269		2.0	4.0												
110021	L111002005	691703	92269		4.0	6.0												
110021	L111002006	691703	92269		4.0	6.0												
112421	L11124001	691974	93402		1.0	2.0												
112421	L11124002	691974	93402		2.0	4.0												
112421	L11124003	691974	93402		4.0	6.0												
112422	L11124004	691977	93392		1.0	2.0												
112422	L11124005	691977	93392		2.0	4.0												
112422	L11124006	691977	93392		4.0	6.0												
112423	L11124007	691956	93454		1.0	2.0												
112423	L11124008	691956	93454		2.0	4.0												
112423	L11124009	691956	93454		4.0	6.0												
112901	L11129001	691933	93378		1.0	2.0												

Table B-2-3. TNA Post-Excavation Soil Characterization Data Remaining for Polychlorinated Biphenyls and Dieldrin at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Aroclor-1016			Aroclor-1221			Aroclor-1232			Aroclor-1242		
							Result	DL	VQ									
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							---	---	---	---	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:							27	---	---	83	---	---	72	---	---	95	---	---
<i>Eco CC^c:</i>							---	---	---	---	---	---	---	---	---	---	---	---
112901	L11129002	691933	93378		2.0	4.0												
112901	L11129003	691933	93378		4.0	6.0												
112902	L11129004	691961	93373		1.0	2.0												
112902	L11129005	691961	93373		2.0	4.0												
112902	L11129006	691961	93373		2.0	4.0												
112903	L11129007	691939	93367		1.0	2.0												
112903	L11129008	691939	93367		2.0	4.0												
112903	L11129009	691939	93367		4.0	6.0												
115201	L11152001	691670	93440		1.0	2.0												
115201	L11152002	691670	93440		2.0	4.0												
115202	L11152003	691677	93430		1.0	2.0												
115202	L11152004	691677	93430		2.0	4.0												
115203	L11152005	691655	93409		1.0	2.0												
115203	L11152006	691655	93409		2.0	4.0												
115204	L11152007	691646	93444		1.0	2.0												
115204	L11152008	691646	93444		2.0	4.0												
115205	L11152009	691681	93484		1.0	2.0												
115205	L11152009DL	691681	93484		1.0	2.0												
115205	L11152011	691681	93484		2.0	4.0												
115206	L11152012	691648	93431		1.0	2.0												
115206	L11152013	691648	93431		2.0	4.0												
115207	L11152014	691651	93420		1.0	2.0												
115207	L11152015	691651	93420		2.0	4.0												
115501	L11155001	691829	92890		0.0	1.0												
115501	L11155002	691829	92890		1.0	2.0												
115501	L11155003	691829	92890		2.0	4.0												
115501	L11155004	691829	92890		4.0	6.0												
115501	L11155005	691829	92890		4.0	6.0												
115502	L11155006	691921	92626		0.0	1.0												
115502	L11155007	691921	92626		1.0	2.0												
115502	L11155008	691921	92626		2.0	4.0												
115502	L11155009	691921	92626		4.0	6.0												
115503	L11155010	692016	92333		0.0	1.0												
115503	L11155011	692016	92333		1.0	2.0												
115503	L11155012	692016	92333		2.0	4.0												
116901	L11169001	691798	92297		0.0	1.0	0.042	0.042	U	0.085	0.085	U	0.042	0.042	U	0.042	0.042	U
116901	L11169002	691798	92297		1.0	2.0	0.042	0.042	U	0.084	0.084	U	0.042	0.042	U	0.042	0.042	U
116902	L1169003	691703	93210		0.0	1.0	0.042	0.042	U	0.084	0.084	U	0.042	0.042	U	0.042	0.042	U
116902	L1169004	691703	93210		1.0	2.0	0.042	0.042	U	0.084	0.084	U	0.042	0.042	U	0.042	0.042	U

Table B-2-3. TNA Post-Excavation Soil Characterization Data Remaining for Polychlorinated Biphenyls and Dieldrin at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Aroclor-1016			Aroclor-1221			Aroclor-1232			Aroclor-1242		
							Result	DL	VQ									
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							---	---	---	---	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:							27	---	---	83	---	---	72	---	---	95	---	---
<i>Eco CC^c:</i>							---	---	---	---	---	---	---	---	---	---	---	---
116903	L11169005	691920	92946		0.0	1.0	0.041	0.041	U	0.081	0.081	U	0.041	0.041	U	0.041	0.041	U
116903	L11169006	691920	92946		1.0	2.0	0.044	0.044	U	0.087	0.087	U	0.044	0.044	U	0.044	0.044	U
116904	L11169007	691946	92866		0.0	1.0	0.042	0.042	U	0.084	0.084	U	0.042	0.042	U	0.042	0.042	U
116904	L11169008	691946	92866		1.0	2.0	0.041	0.041	U	0.083	0.083	U	0.041	0.041	U	0.041	0.041	U
116905	L11169009	692120	92125		0.0	1.0	0.040	0.04	U	0.080	0.08	U	0.040	0.04	U	0.040	0.04	U
116905	L11169010	692120	92125		1.0	2.0	0.042	0.042	U	0.079	0.079	U	0.042	0.042	U	0.042	0.042	U
116906	L11169011	692028	92646		1.0	2.0	0.042	0.042	U	0.083	0.083	U	0.042	0.042	U	0.042	0.042	U
116907	L11169013	692114	92355		0.0	1.0	0.043	0.043	U	0.086	0.086	U	0.043	0.043	U	0.043	0.043	U
116907	L11169014	692114	92355		1.0	2.0	0.042	0.042	U	0.084	0.084	U	0.042	0.042	U	0.042	0.042	U
116908	L11169016	692066	92273		0.0	1.0	0.037	0.037	U	0.075	0.075	U	0.037	0.037	U	0.037	0.037	U
116908	L11169017	692066	92273		1.0	2.0	0.040	0.04	U	0.081	0.081	U	0.040	0.04	U	0.040	0.04	U
116909	L11169018	691757	92233		0.0	1.0	0.042	0.042	U	0.083	0.083	U	0.042	0.042	U	0.042	0.042	U
116909	L11169019	691757	92233		1.0	2.0	0.042	0.042	U	0.085	0.085	U	0.042	0.042	U	0.042	0.042	U
116910	L11169020	691979	93373		0.0	1.0	0.042	0.042	U	0.084	0.084	U	0.042	0.042	U	0.042	0.042	U
116910	L11169021	691979	93373		1.0	2.0	0.043	0.043	U	0.085	0.085	U	0.043	0.043	U	0.043	0.043	U
116911	L11169022	691769	93328		0.0	1.0	0.043	0.043	U	0.086	0.086	U	0.043	0.043	U	0.043	0.043	U
116911	L11169023	691769	93328		1.0	2.0	0.044	0.044	U	0.088	0.088	U	0.044	0.044	U	0.044	0.044	U
116912	L11169024	691863	93415		0.0	1.0	0.043	0.043	U	0.086	0.086	U	0.043	0.043	U	0.043	0.043	U
116912	L11169025	691863	93415		1.0	2.0	0.043	0.043	U	0.087	0.087	U	0.043	0.043	U	0.043	0.043	U
116913	L11169026	691701	92898		0.0	1.0	0.040	0.04	U	0.080	0.08	U	0.040	0.04	U	0.040	0.04	U
116913	L11169027	691701	92898		1.0	2.0	0.044	0.044	U	0.088	0.088	U	0.044	0.044	U	0.044	0.044	U
116914	L11169028	691725	93411		0.0	1.0	0.041	0.041	U	0.081	0.081	U	0.041	0.041	U	0.041	0.041	U
116914	L11169028DL	691725	93411		0.0	1.0	1.200	1.2	U	2.400	2.4	U	1.200	1.2	U	1.200	1.2	U
116914	L11169029	691725	93411		1.0	2.0	0.042	0.042	U	0.083	0.083	U	0.042	0.042	U	0.042	0.042	U
116914	L11169029DL	691725	93411		1.0	2.0	0.830	0.83	U	1.700	1.7	U	0.830	0.83	U	0.830	0.83	U
116915	L11169030	691883	93355		0.0	1.0	0.039	0.039	U	0.078	0.078	U	0.039	0.039	U	0.039	0.039	U
116915	L11169031	691883	93355		0.0	1.0	0.044	0.044	U	0.087	0.087	U	0.044	0.044	U	0.044	0.044	U
116916	L11169032	692204	93063		0.0	1.0	0.044	0.044	U	0.088	0.088	U	0.044	0.044	U	0.044	0.044	U
116916	L11169033	692204	93063		0.0	1.0	0.045	0.045	U	0.089	0.089	U	0.045	0.045	U	0.045	0.045	U
116916	L11169034	692204	93063		1.0	2.0	0.044	0.044	U	0.088	0.088	U	0.044	0.044	U	0.044	0.044	U
116917	L11169035	691698	92263		0.0	1.0	0.040	0.04	U	0.080	0.08	U	0.040	0.04	U	0.040	0.04	U
116917	L11169036	691698	92263		1.0	2.0	0.042	0.042	U	0.083	0.083	U	0.042	0.042	U	0.042	0.042	U
116918	L11169037	691949	93168		0.0	1.0	0.039	0.039	U	0.079	0.079	U	0.039	0.039	U	0.039	0.039	U
116918	L11169038	691949	93168		1.0	2.0	0.043	0.043	U	0.085	0.085	U	0.043	0.043	U	0.043	0.043	U
116919	L11169039	692104	92656		0.0	1.0	0.040	0.04	U	0.080	0.08	U	0.040	0.04	U	0.040	0.04	U
116919	L11169040	692104	92656		1.0	2.0	0.042	0.042	U	0.084	0.084	U	0.042	0.042	U	0.042	0.042	U
116920	L11169041	691813	92098		0.0	1.0	0.041	0.041	U	0.083	0.083	U	0.041	0.041	U	0.041	0.041	U
116920	L11169042	691813	92098		1.0	2.0	0.042	0.042	U	0.083	0.083	U	0.042	0.042	U	0.042	0.042	U
116920	L11169043	691813	92098		1.0	2.0	0.041	0.041	U	0.083	0.083	U	0.041	0.041	U	0.041	0.041	U

Table B-2-3. TNA Post-Excavation Soil Characterization Data Remaining for Polychlorinated Biphenyls and Dieldrin at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Aroclor-1016			Aroclor-1221			Aroclor-1232			Aroclor-1242		
							Result	DL	VQ									
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							---	---	---	---	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:							27	---	---	83	---	---	72	---	---	95	---	---
<i>Eco CC^c:</i>							---	---	---	---	---	---	---	---	---	---	---	---
116921	L11169044	692141	92572		0.0	1.0	0.043	0.043	U	0.086	0.086	U	0.043	0.043	U	0.043	0.043	U
116921	L11169045	692141	92572		1.0	2.0	0.044	0.044	U	0.088	0.088	U	0.044	0.044	U	0.044	0.044	U
116922	L11169046	692089	92779		0.0	1.0	0.043	0.043	U	0.087	0.087	U	0.043	0.043	U	0.043	0.043	U
116922	L11169047	692089	92779		1.0	2.0	0.043	0.043	U	0.085	0.085	U	0.043	0.043	U	0.043	0.043	U
116925	L11169052	691675	93311		0.0	1.0	0.042	0.042	U	0.085	0.085	U	0.042	0.042	U	0.042	0.042	U
116925	L11169053	691675	93311		1.0	2.0	0.042	0.042	U	0.083	0.083	U	0.042	0.042	U	0.042	0.042	U
160302	L1163014	692094	92997		1.0	2.0												
163701	L1163001	691731	92351		0.0	1.0												
163701	L1163002	691731	92351		1.0	2.0												
163701	L1163003	691731	92351		2.0	4.0												
163701	L1163004	691731	92351		4.0	6.0												
163702	L1163005	691759	92309		0.0	1.0												
163702	L1163006	691759	92309		1.0	2.0												
163702	L1163007	691759	92309		2.0	4.0												
163702	L1163008	691759	92309		4.0	6.0												
10DD01	L110DD001	691669	93262		0.0	1.0												
10DD01	L110DD002	691669	93262		1.0	2.0												
10DD01	L110DD003	691669	93262		2.0	4.0												
10DD01	L110DD004	691669	93262		4.0	6.0												
10DD02	L110DD005	691641	93234		0.0	1.0												
10DD02	L110DD006	691641	93234		1.0	2.0												
10DD02	L110DD007	691641	93234		2.0	4.0												
10DD02	L110DD008	691641	93234		4.0	6.0												
10DD03	L110DD009	691565	93119		0.0	1.0												
10DD03	L110DD010	691565	93119		1.0	2.0												
10DD03	L110DD011	691565	93119		2.0	4.0												
10DD03	L110DD012	691565	93119		4.0	6.0												
10DD04	L110DD013	691508	93081		0.0	1.0												
10DD04	L110DD014	691508	93081		1.0	2.0												
10DD04	L110DD015	691508	93081		2.0	4.0												
10DD04	L110DD016	691508	93081		2.0	4.0												
10DD04	L110DD017	691508	93081		4.0	6.0												
10DD05	L110DD018	691525	93099		0.0	1.0												
10DD05	L110DD019	691525	93099		1.0	2.0												
10DD07	L110DD026	691660	93153		0.0	1.0												
10DD07	L110DD027	691660	93153		1.0	2.0												
10DD07	L110DD028	691660	93153		2.0	4.0												
10DD07	L110DD029	691660	93153		4.0	6.0												
10DD09	L110DD034	691861	92762		0.0	1.0												

Table B-2-3. TNA Post-Excavation Soil Characterization Data Remaining for Polychlorinated Biphenyls and Dieldrin at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Aroclor-1016			Aroclor-1221			Aroclor-1232			Aroclor-1242		
							Result	DL	VQ									
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							---	---	---	---	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:							27	---	---	83	---	---	72	---	---	95	---	---
<i>Eco CC^c:</i>							---	---	---	---	---	---	---	---	---	---	---	---
10DD09	L110DD035	691861	92762		1.0	2.0												
10DD09	L110DD036	691861	92762		2.0	4.0												
10DD09	L110DD037	691861	92762		4.0	6.0												
10DD10	L110DD038	691839	92768		0.0	1.0												
10DD10	L110DD039	691839	92768		0.0	1.0												
10DD10	L110DD040	691839	92768		1.0	2.0												
10DD10	L110DD041	691839	92768		2.0	4.0												
10DD10	L110DD042	691839	92768		4.0	6.0												
10DD11	L110DD043	691762	92784		0.0	1.0												
10DD11	L110DD044	691762	92784		1.0	2.0												
10DD11	L110DD045	691762	92784		1.0	2.0												
10DD11	L110DD046	691762	92784		2.0	4.0												
10DD11	L110DD047	691762	92784		4.0	6.0												
10DD12	L110DD048	691726	92790		0.0	1.0												
10DD12	L110DD049	691726	92790		1.0	2.0												
10DD12	L110DD050	691726	92790		2.0	4.0												
10DD12	L110DD051	691726	92790		4.0	6.0												
10DD13	L110DD052	691627	92701		0.0	1.0												
10DD13	L110DD053	691627	92701		1.0	2.0												
10DD13	L110DD054	691627	92701		2.0	4.0												
10DD13	L110DD055	691627	92701		4.0	6.0												
10DD14	L110DD056	691617	92673		0.0	1.0												
10DD14	L110DD057	691617	92673		1.0	2.0												
10DD14	L110DD058	691617	92673		2.0	4.0												
10DD14	L110DD059	691617	92673		4.0	6.0												
10DD15	L110DD060	691625	92545		0.0	1.0												
10DD15	L110DD061	691625	92545		1.0	2.0												
10DD15	L110DD062	691625	92545		2.0	4.0												
10DD15	L110DD063	691625	92545		4.0	6.0												
10DD16	L110DD065	691588	92546		1.0	2.0												
10DD16	L110DD066	691588	92546		2.0	4.0												
10DD16	L110DD067	691588	92546		4.0	6.0												
10DD17	L110DD069	691547	92435		1.0	2.0												
10DD17	L110DD070	691547	92435		2.0	4.0												
10DD17	L110DD071	691547	92435		4.0	6.0												
10DD17	L110DD072	691547	92435		4.0	6.0												
10DD18	L110DD074	691582	92419		1.0	2.0												
10DD18	L110DD075	691582	92419		2.0	4.0												
10DD18	L110DD076	691582	92419		4.0	6.0												

Table B-2-3. TNA Post-Excavation Soil Characterization Data Remaining for Polychlorinated Biphenyls and Dieldrin at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Aroclor-1016			Aroclor-1221			Aroclor-1232			Aroclor-1242		
							Result	DL	VQ									
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							---	---	---	---	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:							27	---	---	83	---	---	72	---	---	95	---	---
<i>Eco CC^c:</i>							---	---	---	---	---	---	---	---	---	---	---	---
10DD19	L110DD077	691678	92547		0.0	1.0												
10DD19	L110DD078DL	691678	92547		1.0	2.0												
10DD19	L110DD079DL	691678	92547		2.0	4.0												
10DD20	L110DD081	691806	92511		0.0	1.0												
10DD20	L110DD082	691806	92511		1.0	2.0												
10DD20	L110DD083	691806	92511		2.0	4.0												
10DD20	L110DD084	691806	92511		4.0	6.0												
10DD21	L110DD085	691838	92504		0.0	1.0												
10DD21	L110DD086	691838	92504		1.0	2.0												
10DD21	L110DD087	691838	92504		2.0	4.0												
10DD21	L110DD088	691838	92504		4.0	6.0												
10DD22	L110DD089	691858	92111		0.0	1.0												
10DD22	L110DD090	691858	92111		1.0	2.0												
10DD22	L110DD091	691858	92111		2.0	4.0												
10DD22	L110DD092	691858	92111		4.0	6.0												
10DD23	L110DD094	691798	92021		1.0	2.0												
10DD23	L110DD095	691798	92021		2.0	4.0												
10DD23	L110DD096	691798	92021		4.0	6.0												
10DD25	L110DD102	691742	92808		2.0	4.0												
10DD25	L110DD103	691742	92808		1.0	2.0												
10DD25	L110DD104	691742	92808		2.0	4.0												
10DD25	L110DD105	691742	92808		4.0	6.0												
10DD26	L110DD106	691759	92856		0.0	1.0												
10DD26	L110DD107	691759	92856		1.0	2.0												
10DD26	L110DD108	691759	92856		2.0	4.0												
10DD26	L110DD109	691759	92856		4.0	6.0												
10DD27	L110DD110	691918	91943		0.0	1.0												
10DD27	L110DD111	691918	91943		1.0	2.0												
10DD27	L110DD112	691918	91943		2.0	4.0												
10DD27	L110DD113	691918	91943		4.0	6.0												
10DD28	L110DD115	691840	91886		1.0	2.0												
10DD28	L110DD116	691840	91886		2.0	4.0												
10DD28	L110DD117	691840	91886		4.0	6.0												
10DD29	L110DD131	691632	93305		0.0	1.0												
10DD29	L110DD132	691632	93305		1.0	2.0												
10DD29	L110DD133	691632	93305		2.0	4.0												
10DD29	L110DD134	691632	93305		4.0	6.0												
Maximum Reported Concentration (Detects and Non-Detects):							1.200	---	U	2.400	---	U	1.200	---	U	1.200	---	U
Maximum Detected Concentration:							NA	---	---									

Table B-2-3. TNA Post-Excavation Soil Characterization Data Remaining for Polychlorinated Biphenyls and Dieldrin at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Aroclor-1016			Aroclor-1221			Aroclor-1232			Aroclor-1242		
							Result	DL	VQ									
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							---	---	---	---	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:							27	---	---	83	---	---	72	---	---	95	---	---
<i>Eco CC^c:</i>							---	---	---	---	---	---	---	---	---	---	---	---
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TCR=1E-06; THQ=1.0):							---	---	---	---	---	---	---	---	---	---	---	---
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection):							---	---	---	---	---	---	---	---	---	---	---	---
Number of Sample Results Greater than USEPA RSL for Industrial Soil (TCR=1E-04; THQ=1.0):							0	---	---	0	---	---	0	---	---	0	---	---
Number of Sample Results Greater than Eco CC:							---	---	---	---	---	---	---	---	---	---	---	---

^a Gray-shaded concentrations exceed the corresponding IAAAP OU-1 ROD RGs protective of an industrial worker ingesting soil (USACE 1998a).

^b Concentrations in **bold** exceed the corresponding RSLs (USEPA 2018a) protective of an industrial worker exposed to soil via ingestion, dermal contact, and dust inhalation.

^c Concentrations in *italics* exceed the corresponding Eco CCs calculated for Line 1.

Notes:
 "---" Indicates that there is no comparison value available.
 All results and comparison values are in mg/kg.
 NA - Maximum detected result is not available because all results reported for the parameter are non-detect.
 VQ symbols indicate: "—" positive identification, positive quantitation, no reason to estimate, "U" non-detect, no reason to estimate, "J" positive identification, estimated quantitation, "UJ" analyte was not detected and had QC deficiencies.

Table B-2-3. TNA Post-Excavation Soil Characterization Data Remaining for Polychlorinated Biphenyls and Dieldrin at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Aroclor-1248			Aroclor-1254			Aroclor-1260			Total PCBs			Dieldrin			
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							---	---	---	---	---	---	---	---	---	10	---	---	---	---	---	
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:							95	---	---	97	---	---	99	---	---	94	---	---	14	---	---	
<i>Eco CC^c:</i>							---	---	---	<i>1.14</i>	---	---	<i>1.14</i>	---	---	---	---	---	<i>0.035</i>	---	---	
100101	L1101001	691685	93330		0.0	1.0																
100101	L1101002	691685	93330		1.0	2.0																
100101	L1101003	691685	93330		2.0	4.0																
100101	L1101004	691685	93330		4.0	6.0																
100102	L1101005	691685	93369		0.0	1.0																
100102	L1101006	691685	93369		1.0	2.0																
100102	L1101007	691685	93369		2.0	4.0																
100102	L1101008	691685	93369		4.0	6.0																
100103	L1101009	691723	93308		0.0	1.0																
100103	L1101010	691723	93308		1.0	2.0																
100103	L1101011	691723	93308		2.0	4.0																
100103	L1101012	691723	93308		4.0	6.0																
100201	L1102001	691824	93116		1.0	2.0																
100201	L1102002	691824	93116		2.0	4.0																
100202	L1102003	691834	93110		1.0	2.0																
100202	L1102004	691834	93110		2.0	4.0																
100203	L1102005	691839	93129		1.0	2.0																
100203	L1102006	691839	93129		2.0	4.0																
100204	L1102007	691851	93109		1.0	2.0																
100204	L1102008	691851	93109		2.0	4.0																
100205	L1102009	691838	93090		1.0	2.0																
100205	L1102010	691838	93090		2.0	4.0																
100205	L1102011	691838	93090		2.0	4.0																
100206	L1102012	691842	93123		1.0	2.0																
100206	L1102013	691842	93123		2.0	4.0																
100302	L1103005	691754	93117		0.0	1.0																
100302	L1103006	691754	93117		1.0	2.0																
100302	L1103007	691754	93117		2.0	4.0																
100302	L1103008	691754	93117		4.0	6.0																
100303	L1103009	691803	93111		0.0	1.0																
100303	L1103010	691803	93111		1.0	2.0																
100303	L1103011	691803	93111		2.0	4.0																
100303	L1103012	691803	93111		4.0	6.0																
100304	L1103013	691776	93096		0.0	1.0																
100304	L1103014	691776	93096		1.0	2.0																
100304	L1103015	691776	93096		2.0	4.0																
100304	L1103016	691776	93096		2.0	4.0																
100304	L1103017	691776	93096		4.0	6.0																
100305	L1103018	692112	92187		0.0	1.0																

Table B-2-3. TNA Post-Excavation Soil Characterization Data Remaining for Polychlorinated Biphenyls and Dieldrin at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Aroclor-1248			Aroclor-1254			Aroclor-1260			Total PCBs			Dieldrin			
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							---	---	---	---	---	---	---	---	---	10	---	---	---	---	---	
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:							95	---	---	97	---	---	99	---	---	94	---	---	14	---	---	
<i>Eco CC^c:</i>							---	---	---	<i>1.14</i>	---	---	<i>1.14</i>	---	---	---	---	---	<i>0.035</i>	---	---	
100305	L1103019	692112	92187		1.0	2.0																
100305	L1103020	692112	92187		2.0	4.0																
100305	L1103021	692112	92187		4.0	6.0																
100401	L1104001	691772	93135		0.0	1.0																
100401	L1104002	691772	93135		1.0	2.0																
100401	L1104003	691772	93135		2.0	4.0																
100401	L1104004	691772	93135		4.0	6.0																
100402	L1104005	691742	93216		0.0	1.0																
100402	L1104006	691742	93216		1.0	2.0																
100402	L1104007	691742	93216		2.0	4.0																
100402	L1104008	691742	93216		4.0	6.0																
100403	L1104009	691792	93152		0.0	1.0																
100403	L1104010	691792	93152		1.0	2.0																
100403	L1104011	691792	93152		2.0	4.0																
100403	L1104012	691792	93152		4.0	6.0																
100404	L1104013	691796	93140		0.0	1.0																
100404	L1104014	691796	93140		1.0	2.0																
100404	L1104015	691796	93140		2.0	4.0																
100404	L1104016	691796	93140		4.0	6.0																
100501	L1105001	691921	92838		0.0	1.0																
100501	L1105002	691921	92838		1.0	2.0																
100501	L1105003	691921	92838		2.0	4.0																
100501	L1105004	691921	92838		4.0	6.0																
100502	L1105005	691921	92844		0.0	1.0																
100502	L1105006	691921	92844		1.0	2.0																
100502	L1105007	691921	92844		1.0	2.0																
100502	L1105008	691921	92844		2.0	4.0																
100502	L1105009	691921	92844		4.0	6.0																
100503	L1105010	691915	92797		0.0	1.0																
100503	L1105011	691915	92797		1.0	2.0																
100503	L1105012	691915	92797		2.0	4.0																
100503	L1105013	691915	92797		4.0	6.0																
100504	L1105014	691932	92802		0.0	1.0																
100504	L1105015	691932	92802		1.0	2.0																
100504	L1105016	691932	92802		2.0	4.0																
100504	L1105017	691932	92802		4.0	6.0																
100505	L1105018	691911	92799		0.0	1.0																
100505	L1105019	691911	92799		1.0	2.0																
100505	L1105020	691911	92799		2.0	4.0																

Table B-2-3. TNA Post-Excavation Soil Characterization Data Remaining for Polychlorinated Biphenyls and Dieldrin at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Aroclor-1248			Aroclor-1254			Aroclor-1260			Total PCBs			Dieldrin			
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							---	---	---	---	---	---	---	---	---	10	---	---	---	---	---	
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:							95	---	---	97	---	---	99	---	---	94	---	---	14	---	---	
<i>Eco CC^c:</i>							---	---	---	<i>1.14</i>	---	---	<i>1.14</i>	---	---	---	---	---	<i>0.035</i>	---	---	
100505	L1105021	691911	92799		4.0	6.0																
100506	L1105022	691896	92792		1.0	2.0																
100506	L1105023	691896	92792		2.0	4.0																
100506	L1105024	691896	92792		4.0	6.0																
100509	L1105035	691899	92831		0.0	1.0																
100509	L1105036	691899	92831		1.0	2.0																
100509	L1105037	691899	92831		2.0	4.0																
100509	L1105038	691899	92831		4.0	6.0																
100510	L1105055	691886	92945		0.0	1.0																
100510	L1105056	691886	92945		1.0	2.0																
100510	L1105057	691886	92945		2.0	4.0																
100510	L1105058	691886	92945		4.0	6.0																
100511	L1105059	691877	92995		1.0	2.0																
100511	L1105060	691877	92995		2.0	4.0																
100511	L1105061	691877	92995		2.0	4.0																
100511	L1105062	691877	92995		4.0	6.0																
100512	L1105063	691842	92972		1.0	2.0																
100512	L1105064	691842	92972		2.0	4.0																
100512	L1105065	691842	92972		4.0	6.0																
100513	L1105066	691845	92995		1.0	2.0																
100513	L1105067	691845	92995		2.0	4.0																
100513	L1105068	691845	92995		2.0	4.0																
100514	L1105069	691849	92986		1.0	2.0																
100514	L1105070	691849	92986		2.0	4.0																
100514	L1105071	691849	92986		4.0	5.0																
100517	L1105079	691867	93001		0.0	1.0																
100517	L1105080	691867	93001		1.0	2.0																
100517	L1105081	691867	93001		2.0	4.0																
100517	L1105082	691867	93001		4.0	6.0																
100519	L1105088	691864	92940		0.0	1.0																
100519	L1105089	691864	92940		1.0	2.0																
100519	L1105090	691864	92940		2.0	4.0																
100519	L1105091	691864	92940		4.0	6.0																
100521	L1105096	691911	92849		0.0	1.0																
100521	L1105097	691911	92849		1.0	2.0																
100521	L1105098	691911	92849		2.0	4.0																
100521	L1105099	691911	92849		4.0	6.0																
100601	L1106001	691750	92646		0.0	1.0																
100601	L1106002	691750	92646		1.0	2.0																

Table B-2-3. TNA Post-Excavation Soil Characterization Data Remaining for Polychlorinated Biphenyls and Dieldrin at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Aroclor-1248			Aroclor-1254			Aroclor-1260			Total PCBs			Dieldrin			
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							---	---	---	---	---	---	---	---	10	---	---	---	---	---		
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---		
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:							95	---	---	97	---	---	99	---	---	94	---	---	14	---	---	
<i>Eco CC^c:</i>							---	---	---	<i>1.14</i>	---	---	<i>1.14</i>	---	---	---	---	---	<i>0.035</i>	---	---	
100601	L1106003	691750	92646		2.0	4.0																
100601	L1106004	691750	92646		2.0	4.0																
100601	L1106005	691750	92646		4.0	6.0																
100602	L1106006	691739	92639		0.0	1.0																
100602	L1106007	691739	92639		1.0	2.0																
100602	L1106008	691739	92639		2.0	4.0																
100602	L1106009	691739	92639		4.0	6.0																
100603	L1106010	691621	93000		0.0	1.0																
100603	L1106011	691621	93000		1.0	2.0																
100603	L1106012	691621	93000		2.0	4.0																
100603	L1106013	691621	93000		4.0	6.0																
100604	L1106014	691632	93007		0.0	1.0																
100604	L1106015	691632	93007		1.0	2.0																
100604	L1106016	691632	93007		2.0	4.0																
100604	L1106017	691632	93007		4.0	6.0																
100701	L1107001	692002	92830		0.0	1.0																
100701	L1107002	692002	92830		1.0	2.0																
100701	L1107003	692002	92830		2.0	4.0																
100702	L1107005	692023	92845		0.0	1.0																
100702	L1107006	692023	92845		1.0	2.0																
100702	L1107007	692023	92845		2.0	4.0																
100702	L1107008	692023	92845		4.0	6.0																
100703	L1107009	692034	92800		0.0	1.0																
100703	L1107010	692034	92800		1.0	2.0																
100703	L1107011	692034	92800		2.0	4.0																
100703	L1107012	692034	92800		4.0	6.0																
100801	L1108001	691700	92779		0.0	1.0																
100801	L1108002	691700	92779		1.0	2.0																
100801	L1108003	691700	92779		2.0	4.0																
100801	L1108004	691700	92779		2.0	4.0																
100801	L1108005	691700	92779		4.0	6.0																
100802	L1108006	691723	92706		0.0	1.0																
100802	L1108006A	691723	92706		0.0	1.0																
100802	L1108007	691723	92706		1.0	2.0																
100802	L1108007A	691723	92706		1.0	2.0																
100802	L1108008	691723	92706		2.0	4.0																
100802	L1108008A	691723	92706		2.0	4.0																
100802	L1108009	691723	92706		4.0	6.0																
100802	L1108009A	691723	92706		4.0	6.0																

Table B-2-3. TNA Post-Excavation Soil Characterization Data Remaining for Polychlorinated Biphenyls and Dieldrin at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Aroclor-1248			Aroclor-1254			Aroclor-1260			Total PCBs			Dieldrin			
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							---	---	---	---	---	---	---	---	---	10	---	---	---	---	---	
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:							95	---	---	97	---	---	99	---	---	94	---	---	14	---	---	
<i>Eco CC^c:</i>							---	---	---	<i>1.14</i>	---	---	<i>1.14</i>	---	---	---	---	---	<i>0.035</i>	---	---	
100803	L1108010	691715	92725		0.0	1.0																
100803	L1108011	691715	92725		1.0	2.0																
100803	L1108012	691715	92725		2.0	4.0																
100803	L1108013	691715	92725		4.0	6.0																
100805	L1108018	691709	92730		0.0	1.0																
100805	L1108019	691709	92730		1.0	2.0																
100805	L1108020	691709	92730		2.0	4.0																
100805	L1108021	691709	92730		4.0	6.0																
101001	L1110001	691959	92688		0.0	1.0																
101001	L1110002	691959	92688		1.0	2.0																
101001	L1110003	691959	92688		2.0	4.0																
101001	L1110004	691959	92688		4.0	6.0																
101004	L1110016	691978	92653		0.0	1.0																
101004	L1110017	691978	92653		1.0	2.0																
101004	L1110018	691978	92653		2.0	4.0																
101004	L1110019	691978	92653		4.0	6.0																
101005	L1110037	691993	92609		0.0	1.0																
101005	L1110038	691993	92609		1.0	2.0																
101005	L1110039	691993	92609		2.0	4.0																
101005	L1110040	691993	92609		4.0	6.0																
101006	L1110025	691952	92623		0.0	1.0																
101006	L1110026	691952	92623		1.0	2.0																
101006	L1110027	691952	92623		2.0	4.0																
101006	L1110028	691952	92623		4.0	5.0																
101007	L1110029	691971	92576		0.0	1.0																
101007	L1110030	691971	92576		1.0	2.0																
101008	L1110033	691999	92585		0.0	1.0																
101008	L1110034	691999	92585		1.0	2.0																
101008	L1110035	691999	92585		2.0	4.0																
101008	L1110036	691999	92585		4.0	6.0																
101009	L1110021	691999	92618		0.0	1.0																
101009	L1110022	691999	92618		1.0	2.0																
101009	L1110023	691999	92618		2.0	4.0																
101009	L1110024	691999	92618		4.0	6.0																
101101	L1111001	691809	93287		0.0	1.0																
101101	L1111002	691809	93287		1.0	2.0																
101101	L1111003	691809	93287		2.0	4.0																
101101	L1111004	691809	93287		4.0	6.0																
101102	L1111005	691832	93269		0.0	1.0	0.039	0.039	U	0.039	0.039	U	0.060	0.039		0.197	---	---				

Table B-2-3. TNA Post-Excavation Soil Characterization Data Remaining for Polychlorinated Biphenyls and Dieldrin at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Aroclor-1248			Aroclor-1254			Aroclor-1260			Total PCBs			Dieldrin		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							---	---	---	---	---	---	---	---	---	10	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:							95	---	---	97	---	---	99	---	---	94	---	---	14	---	---
<i>Eco CC^c:</i>							---	---	---	<i>1.14</i>	---	---	<i>1.14</i>	---	---	---	---	---	<i>0.035</i>	---	---
101102	L1111006	691832	93269		2.0	4.0	0.044	0.044	U	0.044	0.044	U	0.044	0.044	U	0.176	---	---			
101103	L1111007	691812	93314		0.0	1.0															
101103	L1111008	691812	93314		1.0	2.0															
101103	L1111009	691812	93314		2.0	4.0															
101103	L1111010	691812	93314		4.0	6.0															
101104	L1111011	691845	93331		0.0	1.0															
101104	L1111012	691845	93331		1.0	2.0															
101104	L1111013	691845	93331		2.0	4.0															
101104	L1111014	691845	93331		4.0	6.0															
101105	L1111015	691894	93311		0.0	1.0															
101105	L1111016	691894	93311		1.0	2.0															
101105	L1111017	691894	93311		2.0	4.0															
101105	L1111018	691894	93311		4.0	6.0															
101106	L1111019	691911	93281		0.0	1.0															
101106	L1111020	691911	93281		1.0	2.0															
101106	L1111022	691911	93281		2.0	4.0															
101106	L1111023	691911	93281		4.0	6.0															
101107	L1111024	691838	93244		0.0	1.0															
101107	L1111025	691838	93244		1.0	2.0															
101107	L1111026	691838	93244		2.0	4.0															
101107	L1111027	691838	93244		4.0	6.0															
101201	L1112001	692036	92381		1.0	2.0															
101201	L1112001A	692036	92381		0.0	1.0															
101201	L1112002	692036	92381		1.0	2.0															
101201	L1112003	692036	92381		2.0	4.0															
101201	L1112004	692036	92381		4.0	6.0															
101204	L1112011A	692080	92344		0.0	1.0															
101204	L1112012	692080	92344		2.0	4.0															
101204	L1112013	692080	92344		4.0	6.0															
101205	L1112014	692105	92261		1.0	2.0															
101205	L1112014A	692105	92261		0.0	1.0															
101205	L1112015	692105	92261		2.0	4.0															
101205	L1112016	692105	92261		4.0	6.0															
101206	L1112017	692086	92238		1.0	2.0															
101206	L1112017A	692086	92238		0.0	1.0															
101206	L1112018	692086	92238		2.0	4.0															
101206	L1112019	692086	92238		4.0	6.0															
101207	L1112020	692050	92340		1.0	2.0															
101207	L1112020A	692050	92340		0.0	1.0															

Table B-2-3. TNA Post-Excavation Soil Characterization Data Remaining for Polychlorinated Biphenyls and Dieldrin at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Aroclor-1248			Aroclor-1254			Aroclor-1260			Total PCBs			Dieldrin			
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							---	---	---	---	---	---	---	---	---	10	---	---	---	---	---	
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:							95	---	---	97	---	---	99	---	---	94	---	---	14	---	---	
<i>Eco CC^c:</i>							---	---	---	<i>1.14</i>	---	---	<i>1.14</i>	---	---	---	---	---	<i>0.035</i>	---	---	
101207	L1112021	692050	92340		2.0	4.0																
101207	L1112022	692050	92340		4.0	6.0																
101208	L1112023	692041	92462		0.0	1.0																
101208	L1112024	692041	92462		1.0	2.0																
101208	L1112025	692041	92462		1.0	2.0																
101208	L1112026	692041	92462		2.0	4.0																
101208	L1112027	692041	92462		4.0	6.0																
101209	L1112028	692063	92389		0.0	1.0																
101209	L1112029	692063	92389		1.0	2.0																
101209	L1112030	692063	92389		2.0	4.0																
101209	L1112031	692063	92389		4.0	6.0																
101210	L1112033	692085	92323		1.0	2.0																
101210	L1112034	692085	92323		2.0	4.0																
101210	L1112036	692085	92323		4.0	6.0																
101210	L111232	692085	92323		0.0	1.0																
101211	L1112037	692098	92292		0.0	1.0																
101211	L1112038	692098	92292		1.0	2.0																
101211	L1112039	692098	92292		2.0	4.0																
101211	L1112040	692098	92292		4.0	6.0																
101212	L1112041	692076	92256		0.0	1.0																
101212	L1112042	692076	92256		1.0	2.0																
101212	L1112043	692076	92256		2.0	4.0																
101212	L1112044	692076	92256		4.0	6.0																
101213	L1112045	692055	92294		0.0	1.0																
101213	L1112046	692055	92294		1.0	2.0																
101213	L1112047	692055	92294		2.0	4.0																
101213	L1112048	692055	92294		2.0	4.0																
101213	L1112049	692055	92294		4.0	6.0																
101301	L1113001	691873	92319		0.0	1.0																
101301	L1113002	691873	92319		1.0	2.0																
101301	L1113003	691873	92319		2.0	4.0																
101301	L1113004	691873	92319		4.0	6.0																
101302	L1113006	691868	92338		0.0	1.0																
101302	L1113007	691868	92338		1.0	2.0																
101302	L1113008	691868	92338		2.0	4.0																
101302	L1113009	691868	92338		4.0	6.0																
101303	L1113010	691845	92407		0.0	1.0																
101303	L1113011	691845	92407		1.0	2.0																
101303	L1113012	691845	92407		2.0	4.0																

Table B-2-3. TNA Post-Excavation Soil Characterization Data Remaining for Polychlorinated Biphenyls and Dieldrin at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Aroclor-1248			Aroclor-1254			Aroclor-1260			Total PCBs			Dieldrin		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							---	---	---	---	---	---	---	---	---	10	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:							95	---	---	97	---	---	99	---	---	94	---	---	14	---	---
<i>Eco CC^c:</i>							---	---	---	<i>1.14</i>	---	---	<i>1.14</i>	---	---	---	---	---	<i>0.035</i>	---	---
101303	L1113013	691845	92407		4.0	6.0															
101304	L1113014	691870	92409		2.0	4.0															
101304	L1113015	691870	92409		1.0	2.0															
101304	L1113016	691870	92409		2.0	4.0															
101304	L1113017	691870	92409		4.0	6.0															
101305	L1113018	691882	92387		0.0	1.0															
101305	L1113019	691882	92387		1.0	2.0															
101305	L1113020	691882	92387		2.0	4.0															
101305	L1113021	691882	92387		4.0	6.0															
101306	L1113024	691889	94486		1.0	2.0															
101307	L1113023	691900	92319		1.0	2.0															
101307	L1113027	691900	92319		0.0	1.0															
101307	L1113028	691900	92319		1.0	2.0															
101308	L11130035	691875	92309		4.0	6.0															
101308	L1113031	691875	92309		0.0	1.0															
101308	L1113032	691875	92309		1.0	2.0															
101308	L1113033	691875	92309		2.0	4.0															
101308	L1113034	691875	92309		2.0	4.0															
101309	L1113036	691881	92297		0.0	1.0															
101309	L1113037	691881	92297		1.0	2.0															
101309	L1113038	691881	92297		2.0	4.0															
101309	L1113039	691881	92297		4.0	6.0															
101401	L1114001	691797	92489		0.0	1.0															
101401	L1114002	691797	92489		1.0	2.0															
101401	L1114003	691797	92489		2.0	4.0															
101401	L1114004	691797	92489		4.0	6.0															
101402	L1114005	691814	92487		0.0	1.0															
101402	L1114006	691814	92487		1.0	2.0															
101402	L1114007	691814	92487		2.0	4.0															
101402	L1114008	691814	92487		4.0	6.0															
101501	L1115001	691936	92124		0.0	1.0															
101501	L1115002	691936	92124		1.0	2.0															
101501	L1115003	691936	92124		2.0	4.0															
101501	L1115004	691936	92124		4.0	6.0															
101502	L1115005	691916	92117		0.0	1.0															
101502	L1115006	691916	92117		1.0	2.0															
101502	L1115007	691916	92117		2.0	4.0															
101502	L1115008	691916	92117		4.0	6.0															
101503	L1115009	691925	92088		0.0	1.0															

Table B-2-3. TNA Post-Excavation Soil Characterization Data Remaining for Polychlorinated Biphenyls and Dieldrin at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Aroclor-1248			Aroclor-1254			Aroclor-1260			Total PCBs			Dieldrin		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							---	---	---	---	---	---	---	---	---	10	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:							95	---	---	97	---	---	99	---	---	94	---	---	14	---	---
<i>Eco CC^c:</i>							---	---	---	<i>1.14</i>	---	---	<i>1.14</i>	---	---	---	---	---	<i>0.035</i>	---	---
101503	L1115010	691925	92088		1.0	2.0															
101503	L1115011	691925	92088		2.0	4.0															
101503	L1115012	691925	92088		4.0	6.0															
101504	L1115014	691931	92075		0.0	1.0															
101504	L1115015	691931	92075		1.0	2.0															
101504	L1115016	691931	92075		2.0	4.0															
101504	L1115017	691931	92075		4.0	6.0															
101505	L1115018	691943	92106		0.0	1.0															
101505	L1115019	691943	92106		1.0	2.0															
101505	L1115020	691943	92106		2.0	4.0															
101505	L1115021	691943	92106		4.0	6.0															
101506	L1115022	691950	92080		0.0	1.0															
101506	L1115023	691950	92080		1.0	2.0															
101506	L1115024	691950	92080		2.0	4.0															
101506	L1115025	691950	92080		4.0	6.0															
101601	L1116001	692018	92532		1.0	2.0	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U	0.173	---	---			
101602	L1116002	692025	92510		1.0	2.0													0.004	0.0042	U
101604	L1116005	692012	92535		1.0	2.0													0.004	0.0044	U
101605	L1116006	692003	92526		1.0	2.0													0.004	0.0043	U
101605	L1116007	692003	92526		1.0	2.0													0.004	0.0043	U
101901	L1119001	691756	92245		0.0	1.0															
101901	L1119002	691756	92245		1.0	2.0															
101901	L1119003	691756	92245		2.0	4.0															
101901	L1119004	691756	92245		4.0	6.0															
101902	L1119005	691701	92291		0.0	1.0															
101902	L1119006	691701	92291		1.0	2.0															
101902	L1119007	691701	92291		2.0	4.0															
101902	L1119008	691701	92291		4.0	6.0															
101903	L1119011	691682	92349		0.0	1.0															
101903	L1119012	691682	92349		1.0	2.0															
101903	L1119013	691682	92349		2.0	4.0															
101903	L1119014	691682	92349		4.0	6.0															
101904	L1119015	691752	92256		0.0	1.0															
101904	L1119016	691752	92256		1.0	2.0															
101904	L1119017	691752	92256		2.0	4.0															
101904	L1119018	691752	92256		4.0	6.0															
101905	L1119019	691756	92280		0.0	1.0															
101905	L1119020	691756	92280		1.0	2.0															
101905	L1119021	691756	92280		2.0	4.0															

Table B-2-3. TNA Post-Excavation Soil Characterization Data Remaining for Polychlorinated Biphenyls and Dieldrin at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Aroclor-1248			Aroclor-1254			Aroclor-1260			Total PCBs			Dieldrin		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							---	---	---	---	---	---	---	---	---	10	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:							95	---	---	97	---	---	99	---	---	94	---	---	14	---	---
<i>Eco CC^c:</i>							---	---	---	<i>1.14</i>	---	---	<i>1.14</i>	---	---	---	---	---	<i>0.035</i>	---	---
101905	L1119022	691756	92280		4.0	6.0															
103601	L1136001	691816	93159		0.0	1.0															
103601	L1136002	691816	93159		1.0	2.0															
103601	L1136003	691816	93159		2.0	4.0															
103602	L1136004	691819	93152		0.0	1.0															
103602	L1136005	691819	93152		1.0	2.0															
103602	L1136006	691819	93152		2.0	4.0															
103603	L1136007	691811	93151		0.0	1.0															
103603	L1136008	691811	93151		1.0	2.0															
103603	L1136009	691811	93151		2.0	4.0															
104001	L1140001	691989	92970		0.0	1.0															
104001	L1140002	691989	92970		1.0	2.0															
104001	L1140003	691989	92970		2.0	4.0															
104001	L1140004	691989	92970		4.0	6.0															
104002	L1140005	691966	92968		0.0	1.0															
104002	L1140007	691966	92968		1.0	2.0															
104002	L1140008	691966	92968		2.0	4.0															
104002	L1140009	691966	92968		4.0	6.0															
104003	L1140010	692020	92953		0.0	1.0															
104003	L1140011	692020	92953		0.0	1.0															
104003	L1140013	692020	92953		2.0	4.0															
104003	L1140014	692020	92953		4.0	6.0															
104004	L1140015	691950	92925		0.0	1.0															
104004	L1140016	691950	92925		1.0	2.0															
104004	L1140017	691950	92925		2.0	4.0															
104004	L1140018	691950	92925		4.0	6.0															
104005	L1140006	692034	92912		2.0	4.0															
104005	L1140020	692034	92912		0.0	1.0															
104005	L1140021	692034	92912		1.0	2.0															
104005	L1140022	692034	92912		2.0	4.0															
104005	L1140023	692034	92912		4.0	6.0															
104006	L1140024	692023	92873		0.0	1.0															
104006	L1140025	692023	92873		1.0	2.0															
104006	L1140026	692023	92873		2.0	4.0															
104006	L1140027	692023	92873		4.0	6.0															
104007	L1140028	691983	92874		0.0	1.0															
104007	L1140029	691983	92874		1.0	2.0															
104007	L1140030	691983	92874		2.0	4.0															
105001	L1150001	691709	92844		1.0	2.0															

Table B-2-3. TNA Post-Excavation Soil Characterization Data Remaining for Polychlorinated Biphenyls and Dieldrin at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Aroclor-1248			Aroclor-1254			Aroclor-1260			Total PCBs			Dieldrin			
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							---	---	---	---	---	---	---	---	---	10	---	---	---	---	---	
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:							95	---	---	97	---	---	99	---	---	94	---	---	14	---	---	
<i>Eco CC^c:</i>							---	---	---	<i>1.14</i>	---	---	<i>1.14</i>	---	---	---	---	---	<i>0.035</i>	---	---	
105001	L1150002	691709	92844		2.0	4.0																
105001	L1150003	691709	92844		4.0	6.0																
105003	L1150007	691689	92828		0.0	1.0																
105003	L1150008	691689	92828		1.0	2.0																
105003	L1150009	691689	92828		2.0	4.0																
105003	L1150010	691689	92828		4.0	6.0																
105004	L1150011	691716	92826		0.0	1.0																
105004	L1150012	691716	92826		1.0	2.0																
105004	L1150013	691716	92826		2.0	4.0																
105004	L1150014	691716	92826		4.0	6.0																
105301	L1153001	692136	92161		1.0	2.0																
105301	L1153001A	692136	92161		0.0	1.0																
105301	L1153003	692136	92161		2.0	4.0																
105301	L1153004	692136	92161		4.0	6.0																
105302	L1153002	692145	92145		0.0	1.0																
105302	L1153005	692145	92145		1.0	2.0																
105302	L1153005A	692145	92145		0.0	1.0																
105302	L1153006	692145	92145		2.0	4.0																
105302	L1153007	692145	92145		4.0	6.0																
105303	L1153008	692108	92140		1.0	2.0																
105303	L1153008A	692108	92140		0.0	1.0																
105303	L1153009	692108	92140		2.0	4.0																
105303	L1153010	692108	92140		4.0	6.0																
106002	L1160006	691662	92877		0.0	1.0																
106002	L1160007	691662	92877		1.0	2.0																
106002	L1160008	691662	92877		2.0	4.0																
106002	L1160009	691662	92877		4.0	6.0																
106003	L1160010	691680	92888		0.0	1.0																
106003	L1160011	691680	92888		1.0	2.0																
106003	L1160012	691680	92888		2.0	4.0																
106003	L1160013	691680	92888		4.0	6.0																
106003	L1160014	691680	92888		4.0	6.0																
106004	L1160015	691680	92900		0.0	1.0																
106004	L1160016	691680	92900		1.0	2.0																
106004	L1160017	691680	92900		2.0	4.0																
106004	L1160019	691680	92900		4.0	6.0																
106101	L1161001	691947	93086		0.0	1.0																
106101	L1161002	691947	93086		1.0	2.0																
106101	L1161003	691947	93086		2.0	4.0																

Table B-2-3. TNA Post-Excavation Soil Characterization Data Remaining for Polychlorinated Biphenyls and Dieldrin at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Aroclor-1248			Aroclor-1254			Aroclor-1260			Total PCBs			Dieldrin			
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							---	---	---	---	---	---	---	---	---	10	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:							95	---	---	97	---	---	99	---	---	94	---	---	14	---	---	
<i>Eco CC^c:</i>							---	---	---	<i>1.14</i>	---	---	<i>1.14</i>	---	---	---	---	---	<i>0.035</i>	---	---	
106101	L1161004	691947	93086		4.0	6.0																
106102	L1161005	691909	93057		0.0	1.0																
106102	L1161006	691909	93057		1.0	2.0																
106102	L1161007	691909	93057		1.0	2.0																
106102	L1161008	691909	93057		2.0	4.0																
106102	L1161009	691909	93057		4.0	6.0																
106104	L1161014	691956	93011		0.0	1.0																
106104	L1161015	691956	93011		1.0	2.0																
106104	L1161016	691956	93011		2.0	4.0																
106104	L1161017	691956	93011		4.0	6.0																
106301	L1163009	692099	92970		0.0	1.0																
106301	L1163010	692099	92970		1.0	2.0																
106301	L1163011	692099	92970		2.0	4.0																
106301	L1163012	692099	92970		4.0	6.0																
106302	L1163013	692094	92997		0.0	1.0																
106302	L1163015	692094	92997		2.0	4.0																
106302	L1163016	692094	92997		4.0	6.0																
106303	L1163017	692099	93024		0.0	1.0																
106303	L1163018	692099	93024		1.0	2.0																
106303	L1163019	692099	93024		2.0	4.0																
106303	L1163020	692099	93024		4.0	6.0																
106304	L1163021	692101	93040		0.0	1.0																
106304	L1163022	692101	93040		1.0	2.0																
106304	L1163023	692101	93040		2.0	4.0																
106304	L1163024	692101	93040		4.0	6.0																
106305	L1163025	692073	93131		0.0	1.0																
106305	L1163026	692073	93131		1.0	2.0																
106305	L1163027	692073	93131		1.0	2.0																
106305	L1163028	692073	93131		2.0	4.0																
106305	L1163029	692073	93131		4.0	6.0																
106306	L1163030	692055	93147		0.0	1.0																
106306	L1163031	692055	93147		1.0	2.0																
106306	L1163032	692055	93147		2.0	4.0																
106306	L1163033	692055	93147		4.0	6.0																
106307	L1163034	692088	93113		0.0	1.0																
106307	L1163035	692088	93113		1.0	2.0																
106307	L1163036	692088	93113		2.0	4.0																
106307	L1163037	692088	93113		4.0	6.0																
106308	L1163038	692094	93102		0.0	1.0																

Table B-2-3. TNA Post-Excavation Soil Characterization Data Remaining for Polychlorinated Biphenyls and Dieldrin at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Aroclor-1248			Aroclor-1254			Aroclor-1260			Total PCBs			Dieldrin		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							---	---	---	---	---	---	---	---	---	10	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:							95	---	---	97	---	---	99	---	---	94	---	---	14	---	---
<i>Eco CC^c:</i>							---	---	---	<i>1.14</i>	---	---	<i>1.14</i>	---	---	---	---	---	<i>0.035</i>	---	---
106308	L1163039	692094	93102		1.0	2.0															
106308	L1163040	692094	93102		2.0	4.0															
106308	L1163041	692094	93102		4.0	6.0															
106401	L1164001	692022	93174		0.0	1.0															
106401	L1164002	692022	93174		1.0	2.0															
106401	L1164003	692022	93174		2.0	4.0															
106401	L1164004	692022	93174		4.0	6.0															
106401	L1164018	692022	93174		0.0	1.0															
106402	L1164005	692011	93185		0.0	1.0															
106402	L1164006	692011	93185		4.0	6.0															
106402	L1164007	692011	93185		2.0	4.0															
106402	L1164008	692011	93185		4.0	6.0															
106403	L1164009	692000	93195		0.0	1.0															
106403	L1164010	692000	93195		1.0	2.0															
106403	L1164011	692000	93195		2.0	4.0															
106403	L1164012	692000	93195		4.0	6.0															
106403	L1164013	692000	93195		4.0	6.0															
106404	L1164014	691970	93215		2.0	4.0															
106404	L1164015	691970	93215		1.0	2.0															
106404	L1164016	691970	93215		2.0	4.0															
106404	L1164017	691970	93215		4.0	6.0															
106501	L1165001	692089	92859		0.0	1.0															
106501	L1165002	692089	92859		1.0	2.0															
106501	L1165003	692089	92859		2.0	4.0															
106501	L1165004	692089	92859		4.0	6.0															
106501	L1165005	692089	92859		4.0	6.0															
106502	L1165006	692086	92848		0.0	1.0															
106502	L1165007	692086	92848		1.0	2.0															
106502	L1165008	692086	92848		2.0	4.0															
106502	L1165009	692086	92848		4.0	6.0															
106503	L1165010	692175	92980		0.0	1.0															
106503	L1165011	692175	92980		1.0	2.0															
106503	L1165012	692175	92980		2.0	4.0															
106503	L1165013	692175	92980		4.0	6.0															
106503	L1165030	692175	92980		1.0	2.0															
106504	L1165014	692161	92912		0.0	1.0															
106504	L1165015	692161	92912		1.0	2.0															
106504	L1165016	692161	92912		2.0	4.0															
106504	L1165017	692161	92912		4.0	6.0															

Table B-2-3. TNA Post-Excavation Soil Characterization Data Remaining for Polychlorinated Biphenyls and Dieldrin at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Aroclor-1248			Aroclor-1254			Aroclor-1260			Total PCBs			Dieldrin			
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							---	---	---	---	---	---	---	---	10	---	---	---	---	---	---	
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:							95	---	---	97	---	---	99	---	---	94	---	---	14	---	---	
<i>Eco CC^c:</i>							---	---	---	<i>1.14</i>	---	---	<i>1.14</i>	---	---	---	---	---	<i>0.035</i>	---	---	
106505	L1165018	692194	92823		0.0	1.0																
106505	L1165019	692194	92823		1.0	2.0																
106505	L1165020	692194	92823		2.0	4.0																
106505	L1165021	692194	92823		4.0	6.0																
106506	L1165022	692273	92884		0.0	1.0																
106506	L1165023	692273	92884		1.0	2.0																
106506	L1165024	692273	92884		2.0	4.0																
106506	L1165025	692273	92884		4.0	6.0																
106507	L1165026	692267	92904		0.0	1.0																
106507	L1165027	692267	92904		1.0	2.0																
106507	L1165028	692267	92904		2.0	4.0																
106507	L1165029	692267	92904		4.0	6.0																
106507	L1165031	692267	92904		0.0	1.0																
106601	L1166001	691723	92395		0.0	1.0																
106601	L1166002	691723	92395		1.0	2.0																
106601	L1166003	691723	92395		2.0	4.0																
106601	L1166004	691723	92395		4.0	6.0																
106602	L1166007	691680	92381		0.0	1.0																
106602	L1166008	691680	92381		1.0	2.0																
106602	L1166009	691680	92381		2.0	4.0																
106602	L1166010	691680	92381		4.0	6.0																
106701	L1167001	691949	93193		0.0	1.0																
106701	L1167002	691949	93193		1.0	2.0																
106701	L1167003	691949	93193		2.0	4.0																
106701	L1167004	691949	93193		4.0	6.0																
106702	L1167005	691953	93162		0.0	1.0																
106702	L1167006	691953	93162		1.0	2.0																
106702	L1167007	691953	93162		1.0	2.0																
106702	L1167008	691953	93162		4.0	6.0																
106703	L1167009	691973	93141		0.0	1.0																
106703	L1167010	691973	93141		1.0	2.0																
106703	L1167011	691973	93141		2.0	4.0																
106703	L1167012	691973	93141		4.0	6.0																
107001	L1170001	691981	92458		0.0	1.0																
107001	L1170002	691981	92458		1.0	2.0																
107001	L1170003	691981	92458		2.0	4.0																
107001	L1170004	691981	92458		4.0	6.0																
107002	L1170005	691961	92498		0.0	1.0																
107002	L1170006	691961	92498		1.0	2.0																

Table B-2-3. TNA Post-Excavation Soil Characterization Data Remaining for Polychlorinated Biphenyls and Dieldrin at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Aroclor-1248			Aroclor-1254			Aroclor-1260			Total PCBs			Dieldrin			
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							---	---	---	---	---	---	---	---	---	10	---	---	---	---	---	
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:							95	---	---	97	---	---	99	---	---	94	---	---	14	---	---	
<i>Eco CC^c:</i>							---	---	---	<i>1.14</i>	---	---	<i>1.14</i>	---	---	---	---	---	<i>0.035</i>	---	---	
107002	L1170007	691961	92498		2.0	4.0																
107002	L1170008	691961	92498		4.0	6.0																
107004	L1170014	691976	92478		0.0	1.0																
107004	L1170015	691976	92478		1.0	2.0																
107004	L1170016	691976	92478		2.0	4.0																
107004	L1170017	691976	92478		4.0	6.0																
107101	L1171001	691874	92664		0.0	1.0																
107101	L1171002	691874	92664		1.0	2.0																
107101	L1171003	691874	92664		2.0	4.0																
107101	L1171004	691874	92664		4.0	6.0																
107201	L1172001	691875	92586		0.0	1.0																
107201	L1172002	691875	92586		1.0	2.0																
107201	L1172003	691875	92586		2.0	4.0																
107201	L1172004	691875	92586		4.0	6.0																
107201	L1172005	691875	92586		4.0	6.0																
107303	L1173009	691882	92517		0.0	1.0																
107303	L1173010	691882	92517		1.0	2.0																
107303	L1173011	691882	92517		2.0	4.0																
107303	L1173012	691882	92517		4.0	6.0																
107304	L1173013	691895	92491		0.0	1.0																
107304	L1173014	691895	92491		1.0	2.0																
107304	L1173015	691895	92491		2.0	4.0																
107304	L1173016	691895	92491		4.0	6.0																
107305	L1173017	691925	92475		0.0	1.0																
107305	L1173018	691925	92475		1.0	2.0																
107305	L1173019	691925	92475		2.0	4.0																
107305	L1173020	691925	92475		4.0	6.0																
107401	L1174001	691962	92425		0.0	1.0																
107401	L1174002	691962	92425		1.0	2.0																
107401	L1174003	691962	92425		2.0	4.0																
107401	L1174004	691962	92425		4.0	6.0																
107501	L1175001	691970	92319		0.0	1.0																
107501	L1175002	691970	92319		1.0	2.0																
107501	L1175003	691970	92319		2.0	4.0																
107501	L1175004	691970	92319		4.0	6.0																
107601	L1176001	691995	92243		0.0	1.0																
107601	L1176002	691995	92243		1.0	2.0																
107601	L1176003	691995	92243		1.0	2.0																
107601	L1176004	691995	92243		2.0	4.0																

Table B-2-3. TNA Post-Excavation Soil Characterization Data Remaining for Polychlorinated Biphenyls and Dieldrin at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Aroclor-1248			Aroclor-1254			Aroclor-1260			Total PCBs			Dieldrin		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							---	---	---	---	---	---	---	---	---	10	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:							95	---	---	97	---	---	99	---	---	94	---	---	14	---	---
<i>Eco CC^c:</i>							---	---	---	<i>1.14</i>	---	---	<i>1.14</i>	---	---	---	---	---	<i>0.035</i>	---	---
107601	L1176005	691995	92243		4.0	6.0															
107701	L1177001	691839	93355		0.0	1.0															
107701	L1177002	691839	93355		1.0	2.0															
107701	L1177003	691839	93355		2.0	4.0															
107701	L1177004	691839	93355		4.0	6.0															
108501	L1185001	692145	93053		0.0	1.0															
108501	L1185002	692145	93053		1.0	2.0															
108501	L1185003	692145	93053		2.0	4.0															
108501	L1185004	692145	93053		4.0	6.0															
108502	L1185005	692193	93114		0.0	1.0															
108502	L1185006	692193	93114		1.0	2.0															
108502	L1185007	692193	93114		1.0	2.0															
108502	L1185009	692193	93114		4.0	6.0															
110001	L11100001	691889	92747		0.0	1.0															
110001	L11100002	691889	92747		1.0	2.0															
110001	L11100003	691889	92747		2.0	4.0															
110001	L11100004	691889	92747		2.0	4.0															
110003	L11100009	691958	92733		4.0	6.0															
110003	L11100010	691958	92733		0.0	1.0															
110003	L11100011	691958	92733		1.0	2.0															
110003	L11100012	691958	92733		1.0	2.0															
110003	L11100013	691958	92733		2.0	4.0															
110003	L11100014	691958	92733		4.0	6.0															
110021	L111002001	691703	92269		0.0	1.0															
110021	L111002002	691703	92269		0.0	1.0															
110021	L111002003	691703	92269		1.0	2.0															
110021	L111002004	691703	92269		2.0	4.0															
110021	L111002005	691703	92269		4.0	6.0															
110021	L111002006	691703	92269		4.0	6.0															
112421	L11124001	691974	93402		1.0	2.0															
112421	L11124002	691974	93402		2.0	4.0															
112421	L11124003	691974	93402		4.0	6.0															
112422	L11124004	691977	93392		1.0	2.0															
112422	L11124005	691977	93392		2.0	4.0															
112422	L11124006	691977	93392		4.0	6.0															
112423	L11124007	691956	93454		1.0	2.0															
112423	L11124008	691956	93454		2.0	4.0															
112423	L11124009	691956	93454		4.0	6.0															
112901	L11129001	691933	93378		1.0	2.0															

Table B-2-3. TNA Post-Excavation Soil Characterization Data Remaining for Polychlorinated Biphenyls and Dieldrin at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Aroclor-1248			Aroclor-1254			Aroclor-1260			Total PCBs			Dieldrin		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							---	---	---	---	---	---	---	---	---	10	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:							95	---	---	97	---	---	99	---	---	94	---	---	14	---	---
<i>Eco CC^c:</i>							---	---	---	<i>1.14</i>	---	---	<i>1.14</i>	---	---	---	---	---	<i>0.035</i>	---	---
112901	L11129002	691933	93378		2.0	4.0															
112901	L11129003	691933	93378		4.0	6.0															
112902	L11129004	691961	93373		1.0	2.0															
112902	L11129005	691961	93373		2.0	4.0															
112902	L11129006	691961	93373		2.0	4.0															
112903	L11129007	691939	93367		1.0	2.0															
112903	L11129008	691939	93367		2.0	4.0															
112903	L11129009	691939	93367		4.0	6.0															
115201	L11152001	691670	93440		1.0	2.0															
115201	L11152002	691670	93440		2.0	4.0															
115202	L11152003	691677	93430		1.0	2.0															
115202	L11152004	691677	93430		2.0	4.0															
115203	L11152005	691655	93409		1.0	2.0															
115203	L11152006	691655	93409		2.0	4.0															
115204	L11152007	691646	93444		1.0	2.0															
115204	L11152008	691646	93444		2.0	4.0															
115205	L11152009	691681	93484		1.0	2.0															
115205	L11152009DL	691681	93484		1.0	2.0															
115205	L11152011	691681	93484		2.0	4.0															
115206	L11152012	691648	93431		1.0	2.0															
115206	L11152013	691648	93431		2.0	4.0															
115207	L11152014	691651	93420		1.0	2.0															
115207	L11152015	691651	93420		2.0	4.0															
115501	L11155001	691829	92890		0.0	1.0															
115501	L11155002	691829	92890		1.0	2.0															
115501	L11155003	691829	92890		2.0	4.0															
115501	L11155004	691829	92890		4.0	6.0															
115501	L11155005	691829	92890		4.0	6.0															
115502	L11155006	691921	92626		0.0	1.0															
115502	L11155007	691921	92626		1.0	2.0															
115502	L11155008	691921	92626		2.0	4.0															
115502	L11155009	691921	92626		4.0	6.0															
115503	L11155010	692016	92333		0.0	1.0															
115503	L11155011	692016	92333		1.0	2.0															
115503	L11155012	692016	92333		2.0	4.0															
116901	L11169001	691798	92297		0.0	1.0	0.042	0.042	U	0.042	0.042	U	0.042	0.042	U	0.169	---	---			
116901	L11169002	691798	92297		1.0	2.0	0.042	0.042	U	0.042	0.042	U	0.042	0.042	U	0.168	---	---			
116902	L1169003	691703	93210		0.0	1.0	0.042	0.042	U	0.042	0.042	U	0.200	0.042		0.347	---	---			
116902	L1169004	691703	93210		1.0	2.0	0.042	0.042	U	0.042	0.042	U	0.042	0.042	U	0.168	---	---			

Table B-2-3. TNA Post-Excavation Soil Characterization Data Remaining for Polychlorinated Biphenyls and Dieldrin at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Aroclor-1248			Aroclor-1254			Aroclor-1260			Total PCBs			Dieldrin		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							---	---	---	---	---	---	---	---	10	---	---	---	---	---	
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:							95	---	---	97	---	---	99	---	---	94	---	---	14	---	---
<i>Eco CC^c:</i>							---	---	---	<i>1.14</i>	---	---	<i>1.14</i>	---	---	---	---	---	<i>0.035</i>	---	---
116903	L11169005	691920	92946		0.0	1.0	0.041	0.041	U	0.041	0.041	U	0.019	0.041		0.162	---	---			
116903	L11169006	691920	92946		1.0	2.0	0.044	0.044	U	0.044	0.044	U	0.044	0.044	U	0.176	---	---			
116904	L11169007	691946	92866		0.0	1.0	0.042	0.042	U	0.042	0.042	U	0.042	0.042	U	0.168	---	---			
116904	L11169008	691946	92866		1.0	2.0	0.041	0.041	U	0.041	0.041	U	0.041	0.041	U	0.165	---	---			
116905	L11169009	692120	92125		0.0	1.0	0.040	0.04	U	0.040	0.04	U	0.040	0.04	U	0.160	---	---			
116905	L11169010	692120	92125		1.0	2.0	0.042	0.042	U	0.042	0.042	U	0.042	0.042	U	0.166	---	---			
116906	L11169011	692028	92646		1.0	2.0	0.042	0.042	U	0.042	0.042	U	0.042	0.042	U	0.168	---	---			
116907	L11169013	692114	92355		0.0	1.0	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U	0.172	---	---			
116907	L11169014	692114	92355		1.0	2.0	0.042	0.042	U	0.042	0.042	U	0.042	0.042	U	0.168	---	---			
116908	L11169016	692066	92273		0.0	1.0	0.037	0.037	U	0.037	0.037	U	0.019	0.037		0.149	---	---			
116908	L11169017	692066	92273		1.0	2.0	0.040	0.04	U	0.040	0.04	U	0.040	0.04	U	0.161	---	---			
116909	L11169018	691757	92233		0.0	1.0	0.042	0.042	U	0.042	0.042	U	0.042	0.042	U	0.168	---	---			
116909	L11169019	691757	92233		1.0	2.0	0.042	0.042	U	0.042	0.042	U	0.042	0.042	U	0.169	---	---			
116910	L11169020	691979	93373		0.0	1.0	0.042	0.042	U	0.044	0.042		0.042	0.042	U	0.191	---	---			
116910	L11169021	691979	93373		1.0	2.0	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U	0.172	---	---			
116911	L11169022	691769	93328		0.0	1.0	0.043	0.043	U	0.043	0.043	U	0.049	0.043		0.200	---	---			
116911	L11169023	691769	93328		1.0	2.0	0.044	0.044	U	0.044	0.044	U	0.044	0.044	U	0.176	---	---			
116912	L11169024	691863	93415		0.0	1.0	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U	0.172	---	---			
116912	L11169025	691863	93415		1.0	2.0	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U	0.173	---	---			
116913	L11169026	691701	92898		0.0	1.0	0.040	0.04	U	0.040	0.04	U	0.019	0.04		0.159	---	---			
116913	L11169027	691701	92898		1.0	2.0	0.044	0.044	U	0.044	0.044	U	0.044	0.044	U	0.176	---	---			
116914	L11169028	691725	93411		0.0	1.0	0.041	0.041	U	0.041	0.041	U	0.041	0.041	U	0.164	---	---			
116914	L11169028DL	691725	93411		0.0	1.0	1.200	1.2	U	1.200	1.2	U	5.300	1.2		9.500	---	---			
116914	L11169029	691725	93411		1.0	2.0	0.042	0.042	U	0.042	0.042	U	0.042	0.042	U	0.168	---	---			
116914	L11169029DL	691725	93411		1.0	2.0	0.830	0.83	U	0.830	0.83	U	3.200	0.83		6.125	---	---			
116915	L11169030	691883	93355		0.0	1.0	0.039	0.039	U	0.039	0.039	U	0.039	0.039	U	0.156	---	---			
116915	L11169031	691883	93355		0.0	1.0	0.044	0.044	U	0.044	0.044	U	0.044	0.044	U	0.176	---	---			
116916	L11169032	692204	93063		0.0	1.0	0.044	0.044	U	0.044	0.044	U	0.044	0.044	U	0.176	---	---			
116916	L11169033	692204	93063		0.0	1.0	0.045	0.045	U	0.045	0.045	U	0.045	0.045	U	0.180	---	---			
116916	L11169034	692204	93063		1.0	2.0	0.044	0.044	U	0.044	0.044	U	0.044	0.044	U	0.176	---	---			
116917	L11169035	691698	92263		0.0	1.0	0.040	0.04	U	0.040	0.04	U	0.040	0.04	U	0.160	---	---			
116917	L11169036	691698	92263		1.0	2.0	0.042	0.042	U	0.042	0.042	U	0.042	0.042	U	0.168	---	---			
116918	L11169037	691949	93168		0.0	1.0	0.039	0.039	U	0.039	0.039	U	0.069	0.039		0.206	---	---			
116918	L11169038	691949	93168		1.0	2.0	0.043	0.043	U	0.043	0.043	U	0.013	0.043		0.163	---	---			
116919	L11169039	692104	92656		0.0	1.0	0.040	0.04	U	0.040	0.04	U	0.033	0.04		0.173	---	---			
116919	L11169040	692104	92656		1.0	2.0	0.042	0.042	U	0.042	0.042	U	0.042	0.042	U	0.168	---	---			
116920	L11169041	691813	92098		0.0	1.0	0.041	0.041	U	0.041	0.041	U	0.041	0.041	U	0.165	---	---			
116920	L11169042	691813	92098		1.0	2.0	0.042	0.042	U	0.042	0.042	U	0.042	0.042	U	0.168	---	---			
116920	L11169043	691813	92098		1.0	2.0	0.041	0.041	U	0.041	0.041	U	0.041	0.041	U	0.165	---	---			

Table B-2-3. TNA Post-Excavation Soil Characterization Data Remaining for Polychlorinated Biphenyls and Dieldrin at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Aroclor-1248			Aroclor-1254			Aroclor-1260			Total PCBs			Dieldrin		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							---	---	---	---	---	---	---	---	---	10	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:							95	---	---	97	---	---	99	---	---	94	---	---	14	---	---
<i>Eco CC^c:</i>							---	---	---	<i>1.14</i>	---	---	<i>1.14</i>	---	---	---	---	---	<i>0.035</i>	---	---
116921	L11169044	692141	92572		0.0	1.0	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U	0.172	---	---			
116921	L11169045	692141	92572		1.0	2.0	0.044	0.044	U	0.044	0.044	U	0.044	0.044	U	0.176	---	---			
116922	L11169046	692089	92779		0.0	1.0	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U	0.173	---	---			
116922	L11169047	692089	92779		1.0	2.0	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U	0.172	---	---			
116925	L11169052	691675	93311		0.0	1.0	0.042	0.042	U	0.042	0.042	U	0.042	0.042	U	0.169	---	---			
116925	L11169053	691675	93311		1.0	2.0	0.042	0.042	U	0.042	0.042	U	0.200	0.042		0.347	---	---			
160302	L1163014	692094	92997		1.0	2.0															
163701	L1163001	691731	92351		0.0	1.0															
163701	L1163002	691731	92351		1.0	2.0															
163701	L1163003	691731	92351		2.0	4.0															
163701	L1163004	691731	92351		4.0	6.0															
163702	L1163005	691759	92309		0.0	1.0															
163702	L1163006	691759	92309		1.0	2.0															
163702	L1163007	691759	92309		2.0	4.0															
163702	L1163008	691759	92309		4.0	6.0															
10DD01	L110DD001	691669	93262		0.0	1.0															
10DD01	L110DD002	691669	93262		1.0	2.0															
10DD01	L110DD003	691669	93262		2.0	4.0															
10DD01	L110DD004	691669	93262		4.0	6.0															
10DD02	L110DD005	691641	93234		0.0	1.0															
10DD02	L110DD006	691641	93234		1.0	2.0															
10DD02	L110DD007	691641	93234		2.0	4.0															
10DD02	L110DD008	691641	93234		4.0	6.0															
10DD03	L110DD009	691565	93119		0.0	1.0															
10DD03	L110DD010	691565	93119		1.0	2.0															
10DD03	L110DD011	691565	93119		2.0	4.0															
10DD03	L110DD012	691565	93119		4.0	6.0															
10DD04	L110DD013	691508	93081		0.0	1.0															
10DD04	L110DD014	691508	93081		1.0	2.0															
10DD04	L110DD015	691508	93081		2.0	4.0															
10DD04	L110DD016	691508	93081		2.0	4.0															
10DD04	L110DD017	691508	93081		4.0	6.0															
10DD05	L110DD018	691525	93099		0.0	1.0															
10DD05	L110DD019	691525	93099		1.0	2.0															
10DD07	L110DD026	691660	93153		0.0	1.0															
10DD07	L110DD027	691660	93153		1.0	2.0															
10DD07	L110DD028	691660	93153		2.0	4.0															
10DD07	L110DD029	691660	93153		4.0	6.0															
10DD09	L110DD034	691861	92762		0.0	1.0															

Table B-2-3. TNA Post-Excavation Soil Characterization Data Remaining for Polychlorinated Biphenyls and Dieldrin at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Aroclor-1248			Aroclor-1254			Aroclor-1260			Total PCBs			Dieldrin		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							---	---	---	---	---	---	---	---	---	10	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:							95	---	---	97	---	---	99	---	---	94	---	---	14	---	---
<i>Eco CC^c:</i>							---	---	---	<i>1.14</i>	---	---	<i>1.14</i>	---	---	---	---	---	<i>0.035</i>	---	---
10DD09	L110DD035	691861	92762		1.0	2.0															
10DD09	L110DD036	691861	92762		2.0	4.0															
10DD09	L110DD037	691861	92762		4.0	6.0															
10DD10	L110DD038	691839	92768		0.0	1.0															
10DD10	L110DD039	691839	92768		0.0	1.0															
10DD10	L110DD040	691839	92768		1.0	2.0															
10DD10	L110DD041	691839	92768		2.0	4.0															
10DD10	L110DD042	691839	92768		4.0	6.0															
10DD11	L110DD043	691762	92784		0.0	1.0															
10DD11	L110DD044	691762	92784		1.0	2.0															
10DD11	L110DD045	691762	92784		1.0	2.0															
10DD11	L110DD046	691762	92784		2.0	4.0															
10DD11	L110DD047	691762	92784		4.0	6.0															
10DD12	L110DD048	691726	92790		0.0	1.0															
10DD12	L110DD049	691726	92790		1.0	2.0															
10DD12	L110DD050	691726	92790		2.0	4.0															
10DD12	L110DD051	691726	92790		4.0	6.0															
10DD13	L110DD052	691627	92701		0.0	1.0															
10DD13	L110DD053	691627	92701		1.0	2.0															
10DD13	L110DD054	691627	92701		2.0	4.0															
10DD13	L110DD055	691627	92701		4.0	6.0															
10DD14	L110DD056	691617	92673		0.0	1.0															
10DD14	L110DD057	691617	92673		1.0	2.0															
10DD14	L110DD058	691617	92673		2.0	4.0															
10DD14	L110DD059	691617	92673		4.0	6.0															
10DD15	L110DD060	691625	92545		0.0	1.0															
10DD15	L110DD061	691625	92545		1.0	2.0															
10DD15	L110DD062	691625	92545		2.0	4.0															
10DD15	L110DD063	691625	92545		4.0	6.0															
10DD16	L110DD065	691588	92546		1.0	2.0															
10DD16	L110DD066	691588	92546		2.0	4.0															
10DD16	L110DD067	691588	92546		4.0	6.0															
10DD17	L110DD069	691547	92435		1.0	2.0															
10DD17	L110DD070	691547	92435		2.0	4.0															
10DD17	L110DD071	691547	92435		4.0	6.0															
10DD17	L110DD072	691547	92435		4.0	6.0															
10DD18	L110DD074	691582	92419		1.0	2.0															
10DD18	L110DD075	691582	92419		2.0	4.0															
10DD18	L110DD076	691582	92419		4.0	6.0															

Table B-2-3. TNA Post-Excavation Soil Characterization Data Remaining for Polychlorinated Biphenyls and Dieldrin at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Aroclor-1248			Aroclor-1254			Aroclor-1260			Total PCBs			Dieldrin		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							---	---	---	---	---	---	---	---	---	10	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:							95	---	---	97	---	---	99	---	---	94	---	---	14	---	---
<i>Eco CC^c:</i>							---	---	---	<i>1.14</i>	---	---	<i>1.14</i>	---	---	---	---	---	<i>0.035</i>	---	---
10DD19	L110DD077	691678	92547		0.0	1.0															
10DD19	L110DD078DL	691678	92547		1.0	2.0															
10DD19	L110DD079DL	691678	92547		2.0	4.0															
10DD20	L110DD081	691806	92511		0.0	1.0															
10DD20	L110DD082	691806	92511		1.0	2.0															
10DD20	L110DD083	691806	92511		2.0	4.0															
10DD20	L110DD084	691806	92511		4.0	6.0															
10DD21	L110DD085	691838	92504		0.0	1.0															
10DD21	L110DD086	691838	92504		1.0	2.0															
10DD21	L110DD087	691838	92504		2.0	4.0															
10DD21	L110DD088	691838	92504		4.0	6.0															
10DD22	L110DD089	691858	92111		0.0	1.0															
10DD22	L110DD090	691858	92111		1.0	2.0															
10DD22	L110DD091	691858	92111		2.0	4.0															
10DD22	L110DD092	691858	92111		4.0	6.0															
10DD23	L110DD094	691798	92021		1.0	2.0															
10DD23	L110DD095	691798	92021		2.0	4.0															
10DD23	L110DD096	691798	92021		4.0	6.0															
10DD25	L110DD102	691742	92808		2.0	4.0															
10DD25	L110DD103	691742	92808		1.0	2.0															
10DD25	L110DD104	691742	92808		2.0	4.0															
10DD25	L110DD105	691742	92808		4.0	6.0															
10DD26	L110DD106	691759	92856		0.0	1.0															
10DD26	L110DD107	691759	92856		1.0	2.0															
10DD26	L110DD108	691759	92856		2.0	4.0															
10DD26	L110DD109	691759	92856		4.0	6.0															
10DD27	L110DD110	691918	91943		0.0	1.0															
10DD27	L110DD111	691918	91943		1.0	2.0															
10DD27	L110DD112	691918	91943		2.0	4.0															
10DD27	L110DD113	691918	91943		4.0	6.0															
10DD28	L110DD115	691840	91886		1.0	2.0															
10DD28	L110DD116	691840	91886		2.0	4.0															
10DD28	L110DD117	691840	91886		4.0	6.0															
10DD29	L110DD131	691632	93305		0.0	1.0															
10DD29	L110DD132	691632	93305		1.0	2.0															
10DD29	L110DD133	691632	93305		2.0	4.0															
10DD29	L110DD134	691632	93305		4.0	6.0															
Maximum Reported Concentration (Detects and Non-Detects):							1.200	---	U	1.200	---	U	5.300	---		9.500	---		0.004	---	U
Maximum Detected Concentration:							NA	---	---	0.044	---	---	5.300	---		9.500	---		NA	---	---

Table B-2-3. TNA Post-Excavation Soil Characterization Data Remaining for Polychlorinated Biphenyls and Dieldrin at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Aroclor-1248			Aroclor-1254			Aroclor-1260			Total PCBs			Dieldrin			
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							---	---	---	---	---	---	---	---	---	10	---	---	---	---	---	
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:							95	---	---	97	---	---	99	---	---	94	---	---	14	---	---	
<i>Eco CC^c:</i>							---	---	---	<i>1.14</i>	---	---	<i>1.14</i>	---	---	---	---	---	<i>0.035</i>	---	---	
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TCR=1E-06; THQ=1.0):							---	---	---	---	---	---	---	---	0	---	---	---	---	---	---	
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection):							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Number of Sample Results Greater than USEPA RSL for Industrial Soil (TCR=1E-04; THQ=1.0):							0	---	---	0	---	---	0	---	---	0	---	---	0	---	---	
Number of Sample Results Greater than Eco CC:							---	---	---	1	---	---	2	---	---	---	---	---	0	---	---	

^a Gray-shaded concentrations exceed the corresponding IAAAP OU-1 ROD RGs protective of an industrial worker ingesting soil (USACE 1998a).

^b Concentrations in **bold** exceed the corresponding RSLs (USEPA 2018a) protective of an industrial worker exposed to soil via ingestion, dermal contact, and dust inhalation.

^c Concentrations in *italics* exceed the corresponding Eco CCs calculated for Line 1.

Notes:
 "---" Indicates that there is no comparison value available.
 All results and comparison values are in mg/kg.
 NA - Maximum detected result is not available because all results reported for the parameter are non-detect.
 VQ symbols indicate: "—" positive identification, positive quantitation, no reason to estimate, "U" non-detect, no reason to estimate, "J" positive identification, estimated quantitation, "UJ" analyte was not detected and had QC deficiencies.

Table B-2-4. TNA Post-Excavation Soil Characterization Data Remaining for Metals at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Antimony			Arsenic			Barium			Beryllium		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^b :							816	---	---	30	---	---	---	---	---	5	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^b :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^c :							470	---	---	300	---	---	220,000	---	---	2,300	---	---
<i>Eco CC</i> ^d :							1,161	---	---	156	---	---	2,520	---	---	---	---	---
100101	L1101001	691685	93330		0.0	1.0				11.000	1.2		230.000	12		0.900	0.62	
100101	L1101002	691685	93330		1.0	2.0												
100101	L1101003	691685	93330		2.0	4.0												
100101	L1101004	691685	93330		4.0	6.0												
100102	L1101005	691685	93369		0.0	1.0				6.300	1.3		210.000	13		0.750	0.65	
100102	L1101006	691685	93369		1.0	2.0												
100102	L1101007	691685	93369		2.0	4.0												
100102	L1101008	691685	93369		4.0	6.0												
100103	L1101009	691723	93308		0.0	1.0				2.200	1.1		28.000	11		0.260	0.54	
100103	L1101010	691723	93308		1.0	2.0												
100103	L1101011	691723	93308		2.0	4.0												
100103	L1101012	691723	93308		4.0	6.0												
100201	L1102001	691824	93116		1.0	2.0												
100201	L1102002	691824	93116		2.0	4.0												
100202	L1102003	691834	93110		1.0	2.0												
100202	L1102004	691834	93110		2.0	4.0												
100203	L1102005	691839	93129		1.0	2.0												
100203	L1102006	691839	93129		2.0	4.0												
100204	L1102007	691851	93109		1.0	2.0												
100204	L1102008	691851	93109		2.0	4.0												
100205	L1102009	691838	93090		1.0	2.0												
100205	L1102010	691838	93090		2.0	4.0												
100205	L1102011	691838	93090		2.0	4.0												
100206	L1102012	691842	93123		1.0	2.0												
100206	L1102013	691842	93123		2.0	4.0												
100302	L1103005	691754	93117		0.0	1.0				7.000	1.3		230.000	13		0.700	0.66	
100302	L1103006	691754	93117		1.0	2.0												
100302	L1103007	691754	93117		2.0	4.0												
100302	L1103008	691754	93117		4.0	6.0												
100303	L1103009	691803	93111		0.0	1.0				4.000	1.2		84.000	12		0.260	0.59	
100303	L1103010	691803	93111		1.0	2.0												
100303	L1103011	691803	93111		2.0	4.0												
100303	L1103012	691803	93111		4.0	6.0												
100304	L1103013	691776	93096		0.0	1.0				6.900	1		150.000	10		0.530	0.51	
100304	L1103014	691776	93096		1.0	2.0												
100304	L1103015	691776	93096		2.0	4.0												
100304	L1103016	691776	93096		2.0	4.0												

Table B-2-4. TNA Post-Excavation Soil Characterization Data Remaining for Metals at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Antimony			Arsenic			Barium			Beryllium		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^b :							816	---	---	30	---	---	---	---	---	5	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^b :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^c :							470	---	---	300	---	---	220,000	---	---	2,300	---	---
<i>Eco CC</i> ^d :							1,161	---	---	156	---	---	2,520	---	---	---	---	---
100304	L1103017	691776	93096		4.0	6.0												
100305	L1103018	692112	92187		0.0	1.0			6.900	1.2		40.000	12		0.210	0.62		
100305	L1103019	692112	92187		1.0	2.0												
100305	L1103020	692112	92187		2.0	4.0												
100305	L1103021	692112	92187		4.0	6.0												
100401	L1104001	691772	93135		0.0	1.0			8.400	1.3		190.000	13		0.820	0.65		
100401	L1104002	691772	93135		1.0	2.0												
100401	L1104003	691772	93135		2.0	4.0												
100401	L1104004	691772	93135		4.0	6.0												
100402	L1104005	691742	93216		0.0	1.0			8.000	1.2		160.000	12		0.690	0.61		
100402	L1104006	691742	93216		1.0	2.0												
100402	L1104007	691742	93216		2.0	4.0												
100402	L1104008	691742	93216		4.0	6.0												
100403	L1104009	691792	93152		0.0	1.0			3.000	1.2		160.000	12		0.730	0.61		
100403	L1104010	691792	93152		1.0	2.0												
100403	L1104011	691792	93152		2.0	4.0												
100403	L1104012	691792	93152		4.0	6.0												
100404	L1104013	691796	93140		0.0	1.0			8.800	1.2		170.000	12		0.750	0.62		
100404	L1104014	691796	93140		1.0	2.0												
100404	L1104015	691796	93140		2.0	4.0												
100404	L1104016	691796	93140		4.0	6.0												
100501	L1105001	691921	92838		0.0	1.0			7.500	1.2		230.000	12		0.690	0.62		
100501	L1105002	691921	92838		1.0	2.0												
100501	L1105003	691921	92838		2.0	4.0												
100501	L1105004	691921	92838		4.0	6.0												
100502	L1105005	691921	92844		0.0	1.0			8.700	1.3		240.000	13		0.660	0.65		
100502	L1105006	691921	92844		1.0	2.0												
100502	L1105007	691921	92844		1.0	2.0												
100502	L1105008	691921	92844		2.0	4.0												
100502	L1105009	691921	92844		4.0	6.0												
100503	L1105010	691915	92797		0.0	1.0			8.900	1.2		330.000	12		0.590	0.62		
100503	L1105011	691915	92797		1.0	2.0												
100503	L1105012	691915	92797		2.0	4.0												
100503	L1105013	691915	92797		4.0	6.0												
100504	L1105014	691932	92802		0.0	1.0			10.000	1.3		300.000	13		0.640	0.65		
100504	L1105015	691932	92802		1.0	2.0												
100504	L1105016	691932	92802		2.0	4.0												

Table B-2-4. TNA Post-Excavation Soil Characterization Data Remaining for Metals at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Antimony			Arsenic			Barium			Beryllium		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^b :							816	---	---	30	---	---	---	---	---	5	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^b :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^c :							470	---	---	300	---	---	220,000	---	---	2,300	---	---
<i>Eco CC</i> ^d :							1,161	---	---	156	---	---	2,520	---	---	---	---	---
100504	L1105017	691932	92802		4.0	6.0												
100505	L1105018	691911	92799		0.0	1.0			8.900	1.2		160.000	12		0.540	0.62		
100505	L1105019	691911	92799		1.0	2.0												
100505	L1105020	691911	92799		2.0	4.0												
100505	L1105021	691911	92799		4.0	6.0												
100506	L1105022	691896	92792		1.0	2.0												
100506	L1105023	691896	92792		2.0	4.0												
100506	L1105024	691896	92792		4.0	6.0												
100509	L1105035	691899	92831		0.0	1.0			6.900	1.2		180.000	12		0.620	0.61		
100509	L1105036	691899	92831		1.0	2.0												
100509	L1105037	691899	92831		2.0	4.0												
100509	L1105038	691899	92831		4.0	6.0												
100510	L1105055	691886	92945		0.0	1.0			8.600	1.3		190.000	13		0.590	0.65		
100510	L1105056	691886	92945		1.0	2.0			14.000	1.2		220.000	12		0.760	0.62		
100510	L1105057	691886	92945		2.0	4.0												
100510	L1105058	691886	92945		4.0	6.0												
100511	L1105059	691877	92995		1.0	2.0												
100511	L1105060	691877	92995		2.0	4.0												
100511	L1105061	691877	92995		2.0	4.0												
100511	L1105062	691877	92995		4.0	6.0												
100512	L1105063	691842	92972		1.0	2.0												
100512	L1105064	691842	92972		2.0	4.0												
100512	L1105065	691842	92972		4.0	6.0												
100513	L1105066	691845	92995		1.0	2.0												
100513	L1105067	691845	92995		2.0	4.0												
100513	L1105068	691845	92995		2.0	4.0												
100514	L1105069	691849	92986		1.0	2.0												
100514	L1105070	691849	92986		2.0	4.0												
100514	L1105071	691849	92986		4.0	5.0												
100517	L1105079	691867	93001		0.0	1.0			4.700	1.3		210.000	13		0.330	0.64		
100517	L1105080	691867	93001		1.0	2.0												
100517	L1105081	691867	93001		2.0	4.0												
100517	L1105082	691867	93001		4.0	6.0												
100519	L1105088	691864	92940		0.0	1.0			8.200	1.2		160.000	12		0.560	0.61		
100519	L1105089	691864	92940		1.0	2.0												
100519	L1105090	691864	92940		2.0	4.0												
100519	L1105091	691864	92940		4.0	6.0												

Table B-2-4. TNA Post-Excavation Soil Characterization Data Remaining for Metals at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Antimony			Arsenic			Barium			Beryllium		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^b :							816	---	---	30	---	---	---	---	---	5	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^b :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^c :							470	---	---	300	---	---	220,000	---	---	2,300	---	---
<i>Eco CC</i> ^d :							1,161	---	---	156	---	---	2,520	---	---	---	---	---
100521	L1105096	691911	92849		0.0	1.0				8.800	1.2		170.000	12		0.620	0.62	
100521	L1105097	691911	92849		1.0	2.0												
100521	L1105098	691911	92849		2.0	4.0												
100521	L1105099	691911	92849		4.0	6.0												
100601	L1106001	691750	92646		0.0	1.0				9.300	1.4		430.000	14		0.700	0.69	
100601	L1106002	691750	92646		1.0	2.0												
100601	L1106003	691750	92646		2.0	4.0												
100601	L1106004	691750	92646		2.0	4.0												
100601	L1106005	691750	92646		4.0	6.0												
100602	L1106006	691739	92639		0.0	1.0				2.600	1.1		150.000	11		0.540	0.54	
100602	L1106007	691739	92639		1.0	2.0												
100602	L1106008	691739	92639		2.0	4.0												
100602	L1106009	691739	92639		4.0	6.0												
100603	L1106010	691621	93000		0.0	1.0				1.600	1.1		17.000	11		0.230	0.53	
100603	L1106011	691621	93000		1.0	2.0												
100603	L1106012	691621	93000		2.0	4.0												
100603	L1106013	691621	93000		4.0	6.0												
100604	L1106014	691632	93007		0.0	1.0				9.600	1.4		660.000	14		0.620	0.71	
100604	L1106015	691632	93007		1.0	2.0												
100604	L1106016	691632	93007		2.0	4.0												
100604	L1106017	691632	93007		4.0	6.0												
100701	L1107001	692002	92830		0.0	1.0				6.500	1.2		140.000	12		0.670	0.61	
100701	L1107002	692002	92830		1.0	2.0												
100701	L1107003	692002	92830		2.0	4.0												
100702	L1107005	692023	92845		0.0	1.0				6.600	1.3		150.000	13		0.710	0.63	
100702	L1107006	692023	92845		1.0	2.0												
100702	L1107007	692023	92845		2.0	4.0												
100702	L1107008	692023	92845		4.0	6.0												
100703	L1107009	692034	92800		0.0	1.0				5.700	1.2		150.000	12		0.640	0.61	
100703	L1107010	692034	92800		1.0	2.0												
100703	L1107011	692034	92800		2.0	4.0												
100703	L1107012	692034	92800		4.0	6.0												
100801	L1108001	691700	92779		0.0	1.0				8.300	1.3		180.000	13		0.650	0.64	
100801	L1108002	691700	92779		1.0	2.0												
100801	L1108003	691700	92779		2.0	4.0												
100801	L1108004	691700	92779		2.0	4.0												
100801	L1108005	691700	92779		4.0	6.0												

Table B-2-4. TNA Post-Excavation Soil Characterization Data Remaining for Metals at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Antimony			Arsenic			Barium			Beryllium		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^b :							816	---	---	30	---	---	---	---	---	5	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^b :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^c :							470	---	---	300	---	---	220,000	---	---	2,300	---	---
<i>Eco CC</i> ^d :							1,161	---	---	156	---	---	2,520	---	---	---	---	---
100802	L1108006	691723	92706		0.0	1.0				8.500	1.3		150.000	13		0.550	0.66	
100802	L1108006A	691723	92706		0.0	1.0				8.100	1.3		240.000	13		0.420	0.63	
100802	L1108007	691723	92706		1.0	2.0												
100802	L1108007A	691723	92706		1.0	2.0												
100802	L1108008	691723	92706		2.0	4.0												
100802	L1108008A	691723	92706		2.0	4.0												
100802	L1108009	691723	92706		4.0	6.0												
100802	L1108009A	691723	92706		4.0	6.0												
100803	L1108010	691715	92725		0.0	1.0				7.400	1.3		140.000	13		0.450	0.63	
100803	L1108011	691715	92725		1.0	2.0												
100803	L1108012	691715	92725		2.0	4.0												
100803	L1108013	691715	92725		4.0	6.0												
100805	L1108018	691709	92730		0.0	1.0				4.400	1.3		140.000	13		0.210	0.66	
100805	L1108019	691709	92730		1.0	2.0												
100805	L1108020	691709	92730		2.0	4.0												
100805	L1108021	691709	92730		4.0	6.0												
101001	L1110001	691959	92688		0.0	1.0												
101001	L1110002	691959	92688		1.0	2.0												
101001	L1110003	691959	92688		2.0	4.0												
101001	L1110004	691959	92688		4.0	6.0												
101004	L1110016	691978	92653		0.0	1.0				9.900	1.3		200.000	13		0.670	0.63	
101004	L1110017	691978	92653		1.0	2.0												
101004	L1110018	691978	92653		2.0	4.0												
101004	L1110019	691978	92653		4.0	6.0												
101005	L1110037	691993	92609		0.0	1.0				9.600	1.4		180.000	14		0.610	0.69	
101005	L1110038	691993	92609		1.0	2.0												
101005	L1110039	691993	92609		2.0	4.0												
101005	L1110040	691993	92609		4.0	6.0												
101006	L1110025	691952	92623		0.0	1.0				9.400	1.3		210.000	13		0.700	0.63	
101006	L1110026	691952	92623		1.0	2.0												
101006	L1110027	691952	92623		2.0	4.0												
101006	L1110028	691952	92623		4.0	5.0												
101007	L1110029	691971	92576		0.0	1.0				9.200	1.3		200.000	13		0.650	0.64	
101007	L1110030	691971	92576		1.0	2.0												
101008	L1110033	691999	92585		0.0	1.0				7.700	1.3		170.000	13		0.420	0.63	
101008	L1110034	691999	92585		1.0	2.0												
101008	L1110035	691999	92585		2.0	4.0												

Table B-2-4. TNA Post-Excavation Soil Characterization Data Remaining for Metals at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Antimony			Arsenic			Barium			Beryllium		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^b :							816	---	---	30	---	---	---	---	---	5	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^b :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^c :							470	---	---	300	---	---	220,000	---	---	2,300	---	---
<i>Eco CC</i> ^d :							1,161	---	---	156	---	---	2,520	---	---	---	---	---
101008	L1110036	691999	92585		4.0	6.0												
101009	L1110021	691999	92618		0.0	1.0			6.400	1.3		150.000	13		0.580	0.64		
101009	L1110022	691999	92618		1.0	2.0												
101009	L1110023	691999	92618		2.0	4.0												
101009	L1110024	691999	92618		4.0	6.0												
101101	L1111001	691809	93287		0.0	1.0			8.700	1.3		170.000	13		0.790	0.65		
101101	L1111002	691809	93287		1.0	2.0												
101101	L1111003	691809	93287		2.0	4.0												
101101	L1111004	691809	93287		4.0	6.0												
101102	L1111005	691832	93269		0.0	1.0												
101102	L1111006	691832	93269		2.0	4.0												
101103	L1111007	691812	93314		0.0	1.0			10.000	1.3		190.000	13		0.800	0.66		
101103	L1111008	691812	93314		1.0	2.0												
101103	L1111009	691812	93314		2.0	4.0												
101103	L1111010	691812	93314		4.0	6.0												
101104	L1111011	691845	93331		0.0	1.0			9.400	1.2		53.000	12		0.520	0.6		
101104	L1111012	691845	93331		1.0	2.0												
101104	L1111013	691845	93331		2.0	4.0												
101104	L1111014	691845	93331		4.0	6.0												
101105	L1111015	691894	93311		0.0	1.0			8.100	1.2		230.000	12		0.710	0.62		
101105	L1111016	691894	93311		1.0	2.0												
101105	L1111017	691894	93311		2.0	4.0												
101105	L1111018	691894	93311		4.0	6.0												
101106	L1111019	691911	93281		0.0	1.0			3.900	1.3		200.000	13		0.760	0.65		
101106	L1111020	691911	93281		1.0	2.0												
101106	L1111022	691911	93281		2.0	4.0												
101106	L1111023	691911	93281		4.0	6.0												
101107	L1111024	691838	93244		0.0	1.0			7.100	1.3		100.000	13		0.630	0.65		
101107	L1111025	691838	93244		1.0	2.0												
101107	L1111026	691838	93244		2.0	4.0												
101107	L1111027	691838	93244		4.0	6.0												
101201	L1112001	692036	92381		1.0	2.0												
101201	L1112001A	692036	92381		0.0	1.0			8.800	1.3		260.000	13		0.680	0.63		
101201	L1112002	692036	92381		1.0	2.0												
101201	L1112003	692036	92381		2.0	4.0												
101201	L1112004	692036	92381		4.0	6.0												
101204	L1112011A	692080	92344		0.0	1.0			9.200	1.2		160.000	12		0.550	0.61		

Table B-2-4. TNA Post-Excavation Soil Characterization Data Remaining for Metals at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Antimony			Arsenic			Barium			Beryllium		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^b :							816	---	---	30	---	---	---	---	---	5	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^b :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^c :							470	---	---	300	---	---	220,000	---	---	2,300	---	---
<i>Eco CC</i> ^d :							1,161	---	---	156	---	---	2,520	---	---	---	---	---
101204	L1112012	692080	92344		2.0	4.0												
101204	L1112013	692080	92344		4.0	6.0												
101205	L1112014	692105	92261		1.0	2.0												
101205	L1112014A	692105	92261		0.0	1.0			1.700	1.2		9.100	12		0.590	0.59	U	
101205	L1112015	692105	92261		2.0	4.0												
101205	L1112016	692105	92261		4.0	6.0												
101206	L1112017	692086	92238		1.0	2.0												
101206	L1112017A	692086	92238		0.0	1.0			8.000	1.3		170.000	13		0.710	0.64		
101206	L1112018	692086	92238		2.0	4.0												
101206	L1112019	692086	92238		4.0	6.0												
101207	L1112020	692050	92340		1.0	2.0												
101207	L1112020A	692050	92340		0.0	1.0			7.500	1.3		220.000	13		0.650	0.66		
101207	L1112021	692050	92340		2.0	4.0												
101207	L1112022	692050	92340		4.0	6.0												
101208	L1112023	692041	92462		0.0	1.0			7.700	1.3		150.000	13		0.510	0.65		
101208	L1112024	692041	92462		1.0	2.0												
101208	L1112025	692041	92462		1.0	2.0												
101208	L1112026	692041	92462		2.0	4.0												
101208	L1112027	692041	92462		4.0	6.0												
101209	L1112028	692063	92389		0.0	1.0			5.800	1.1		120.000	11		0.420	0.55		
101209	L1112029	692063	92389		1.0	2.0												
101209	L1112030	692063	92389		2.0	4.0												
101209	L1112031	692063	92389		4.0	6.0												
101210	L1112033	692085	92323		1.0	2.0												
101210	L1112034	692085	92323		2.0	4.0												
101210	L1112036	692085	92323		4.0	6.0												
101210	L111232	692085	92323		0.0	1.0			8.500	1.3		180.000	13		0.610	0.65		
101211	L1112037	692098	92292		0.0	1.0			4.500	1.2		58.000	12		0.620	0.62	U	
101211	L1112038	692098	92292		1.0	2.0												
101211	L1112039	692098	92292		2.0	4.0												
101211	L1112040	692098	92292		4.0	6.0												
101212	L1112041	692076	92256		0.0	1.0			9.400	1.3		180.000	13		0.670	0.63		
101212	L1112042	692076	92256		1.0	2.0												
101212	L1112043	692076	92256		2.0	4.0												
101212	L1112044	692076	92256		4.0	6.0												
101213	L1112045	692055	92294		0.0	1.0			6.500	1.2		180.000	12		0.620	0.61		
101213	L1112046	692055	92294		1.0	2.0												

Table B-2-4. TNA Post-Excavation Soil Characterization Data Remaining for Metals at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Antimony			Arsenic			Barium			Beryllium		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^b :							816	---	---	30	---	---	---	---	---	5	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^b :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^c :							470	---	---	300	---	---	220,000	---	---	2,300	---	---
<i>Eco CC</i> ^d :							1,161	---	---	156	---	---	2,520	---	---	---	---	---
101213	L1112047	692055	92294		2.0	4.0												
101213	L1112048	692055	92294		2.0	4.0												
101213	L1112049	692055	92294		4.0	6.0												
101301	L1113001	691873	92319		0.0	1.0			7.800	1.2		190.000	12		0.640	0.62		
101301	L1113002	691873	92319		1.0	2.0												
101301	L1113003	691873	92319		2.0	4.0												
101301	L1113004	691873	92319		4.0	6.0												
101302	L1113006	691868	92338		0.0	1.0			8.100	1.3		240.000	13		0.820	0.63		
101302	L1113007	691868	92338		1.0	2.0												
101302	L1113008	691868	92338		2.0	4.0												
101302	L1113009	691868	92338		4.0	6.0												
101303	L1113010	691845	92407		0.0	1.0			6.100	1.2		160.000	12		0.570	0.61		
101303	L1113011	691845	92407		1.0	2.0												
101303	L1113012	691845	92407		2.0	4.0												
101303	L1113013	691845	92407		4.0	6.0												
101304	L1113014	691870	92409		2.0	4.0			7.900	1.2		120.000	12		0.620	0.62		
101304	L1113015	691870	92409		1.0	2.0												
101304	L1113016	691870	92409		2.0	4.0												
101304	L1113017	691870	92409		4.0	6.0												
101305	L1113018	691882	92387		0.0	1.0			6.200	1.3		200.000	13		0.540	0.63		
101305	L1113019	691882	92387		1.0	2.0												
101305	L1113020	691882	92387		2.0	4.0												
101305	L1113021	691882	92387		4.0	6.0												
101306	L1113024	691889	94486		1.0	2.0												
101307	L1113023	691900	92319		1.0	2.0												
101307	L1113027	691900	92319		0.0	1.0			8.400	1.3		150.000	13		0.510	0.63		
101307	L1113028	691900	92319		1.0	2.0												
101308	L11130035	691875	92309		4.0	6.0												
101308	L1113031	691875	92309		0.0	1.0			8.500	1.2		200.000	12		0.650	0.62		
101308	L1113032	691875	92309		1.0	2.0												
101308	L1113033	691875	92309		2.0	4.0												
101308	L1113034	691875	92309		2.0	4.0												
101309	L1113036	691881	92297		0.0	1.0			7.200	1.2		210.000	12		0.530	0.62		
101309	L1113037	691881	92297		1.0	2.0												
101309	L1113038	691881	92297		2.0	4.0												
101309	L1113039	691881	92297		4.0	6.0												
101401	L1114001	691797	92489		0.0	1.0			6.300	1.3		130.000	13		0.680	0.66		

Table B-2-4. TNA Post-Excavation Soil Characterization Data Remaining for Metals at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Antimony			Arsenic			Barium			Beryllium		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^b :							816	---	---	30	---	---	---	---	---	5	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^b :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^c :							470	---	---	300	---	---	220,000	---	---	2,300	---	---
<i>Eco CC</i> ^d :							1,161	---	---	156	---	---	2,520	---	---	---	---	---
101401	L1114002	691797	92489		1.0	2.0												
101401	L1114003	691797	92489		2.0	4.0												
101401	L1114004	691797	92489		4.0	6.0												
101402	L1114005	691814	92487		0.0	1.0			9.200	1.3		140.000	13		0.650	0.64		
101402	L1114006	691814	92487		1.0	2.0												
101402	L1114007	691814	92487		2.0	4.0												
101402	L1114008	691814	92487		4.0	6.0												
101501	L1115001	691936	92124		0.0	1.0			14.000	1.3		250.000	13		0.860	0.67		
101501	L1115002	691936	92124		1.0	2.0												
101501	L1115003	691936	92124		2.0	4.0												
101501	L1115004	691936	92124		4.0	6.0												
101502	L1115005	691916	92117		0.0	1.0			12.000	1.3		160.000	13		0.710	0.65		
101502	L1115006	691916	92117		1.0	2.0												
101502	L1115007	691916	92117		2.0	4.0												
101502	L1115008	691916	92117		4.0	6.0												
101503	L1115009	691925	92088		0.0	1.0			9.800	1.3		200.000	13		0.840	0.66		
101503	L1115010	691925	92088		1.0	2.0												
101503	L1115011	691925	92088		2.0	4.0												
101503	L1115012	691925	92088		4.0	6.0												
101504	L1115014	691931	92075		0.0	1.0			7.900	1.2		110.000	12		0.470	0.59		
101504	L1115015	691931	92075		1.0	2.0												
101504	L1115016	691931	92075		2.0	4.0												
101504	L1115017	691931	92075		4.0	6.0												
101505	L1115018	691943	92106		0.0	1.0			10.000	1.3		220.000	13		0.670	0.65		
101505	L1115019	691943	92106		1.0	2.0												
101505	L1115020	691943	92106		2.0	4.0												
101505	L1115021	691943	92106		4.0	6.0												
101506	L1115022	691950	92080		0.0	1.0			9.500	1.3		200.000	13		0.630	0.66		
101506	L1115023	691950	92080		1.0	2.0												
101506	L1115024	691950	92080		2.0	4.0												
101506	L1115025	691950	92080		4.0	6.0												
101601	L1116001	692018	92532		1.0	2.0												
101602	L1116002	692025	92510		1.0	2.0												
101604	L1116005	692012	92535		1.0	2.0												
101605	L1116006	692003	92526		1.0	2.0												
101605	L1116007	692003	92526		1.0	2.0												
101901	L1119001	691756	92245		0.0	1.0			11.000	1.3		350.000	13		0.620	0.66		

Table B-2-4. TNA Post-Excavation Soil Characterization Data Remaining for Metals at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Antimony			Arsenic			Barium			Beryllium		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^b :							816	---	---	30	---	---	---	---	---	5	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^b :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^c :							470	---	---	300	---	---	220,000	---	---	2,300	---	---
<i>Eco CC</i> ^d :							1,161	---	---	156	---	---	2,520	---	---	---	---	---
101901	L1119002	691756	92245		1.0	2.0												
101901	L1119003	691756	92245		2.0	4.0												
101901	L1119004	691756	92245		4.0	6.0												
101902	L1119005	691701	92291		0.0	1.0			9.700	1.3		170.000	13		0.650	0.64		
101902	L1119006	691701	92291		1.0	2.0												
101902	L1119007	691701	92291		2.0	4.0												
101902	L1119008	691701	92291		4.0	6.0												
101903	L1119011	691682	92349		0.0	1.0			8.100	1.3		170.000	13		0.620	0.64		
101903	L1119012	691682	92349		1.0	2.0												
101903	L1119013	691682	92349		2.0	4.0												
101903	L1119014	691682	92349		4.0	6.0												
101904	L1119015	691752	92256		0.0	1.0			10.000	1.3		200.000	13		0.750	0.66		
101904	L1119016	691752	92256		1.0	2.0												
101904	L1119017	691752	92256		2.0	4.0												
101904	L1119018	691752	92256		4.0	6.0												
101905	L1119019	691756	92280		0.0	1.0			9.500	1.3		190.000	13		0.700	0.65		
101905	L1119020	691756	92280		1.0	2.0												
101905	L1119021	691756	92280		2.0	4.0												
101905	L1119022	691756	92280		4.0	6.0												
103601	L1136001	691816	93159		0.0	1.0			5.100	1.2		180.000	12		0.790	0.62		
103601	L1136002	691816	93159		1.0	2.0												
103601	L1136003	691816	93159		2.0	4.0												
103602	L1136004	691819	93152		0.0	1.0			6.700	1.1		150.000	11		0.480	0.56		
103602	L1136005	691819	93152		1.0	2.0												
103602	L1136006	691819	93152		2.0	4.0												
103603	L1136007	691811	93151		0.0	1.0			8.300	1.4		220.000	14		0.780	0.7		
103603	L1136008	691811	93151		1.0	2.0												
103603	L1136009	691811	93151		2.0	4.0												
104001	L1140001	691989	92970		0.0	1.0			5.800	1.2		120.000	12		0.660	0.61		
104001	L1140002	691989	92970		1.0	2.0												
104001	L1140003	691989	92970		2.0	4.0												
104001	L1140004	691989	92970		4.0	6.0												
104002	L1140005	691966	92968		0.0	1.0			9.800	1.3		220.000	13		0.770	0.66		
104002	L1140007	691966	92968		1.0	2.0												
104002	L1140008	691966	92968		2.0	4.0												
104002	L1140009	691966	92968		4.0	6.0												
104003	L1140010	692020	92953		0.0	1.0			6.600	1.3		150.000	13		0.670	0.64		

Table B-2-4. TNA Post-Excavation Soil Characterization Data Remaining for Metals at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Antimony			Arsenic			Barium			Beryllium		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^b :							816	---	---	30	---	---	---	---	---	5	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^b :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^c :							470	---	---	300	---	---	220,000	---	---	2,300	---	---
<i>Eco CC</i> ^d :							1,161	---	---	156	---	---	2,520	---	---	---	---	---
104003	L1140011	692020	92953		0.0	1.0												
104003	L1140013	692020	92953		2.0	4.0												
104003	L1140014	692020	92953		4.0	6.0												
104004	L1140015	691950	92925		0.0	1.0			13.000	1.3		180.000	13		0.790	0.64		
104004	L1140016	691950	92925		1.0	2.0												
104004	L1140017	691950	92925		2.0	4.0												
104004	L1140018	691950	92925		4.0	6.0												
104005	L1140006	692034	92912		2.0	4.0												
104005	L1140020	692034	92912		0.0	1.0			4.400	1.3		170.000	13		0.800	0.66		
104005	L1140021	692034	92912		1.0	2.0												
104005	L1140022	692034	92912		2.0	4.0												
104005	L1140023	692034	92912		4.0	6.0												
104006	L1140024	692023	92873		0.0	1.0			6.600	1.3		150.000	13		0.620	0.64		
104006	L1140025	692023	92873		1.0	2.0												
104006	L1140026	692023	92873		2.0	4.0												
104006	L1140027	692023	92873		4.0	6.0												
104007	L1140028	691983	92874		0.0	1.0			7.100	1.2		170.000	12		0.620	0.61		
104007	L1140029	691983	92874		1.0	2.0												
104007	L1140030	691983	92874		2.0	4.0												
105001	L1150001	691709	92844		1.0	2.0												
105001	L1150002	691709	92844		2.0	4.0												
105001	L1150003	691709	92844		4.0	6.0												
105003	L1150007	691689	92828		0.0	1.0			5.700	1.3		160.000	13		0.490	0.63		
105003	L1150008	691689	92828		1.0	2.0												
105003	L1150009	691689	92828		2.0	4.0												
105003	L1150010	691689	92828		4.0	6.0												
105004	L1150011	691716	92826		0.0	1.0			8.900	1.3		170.000	13		0.710	0.63		
105004	L1150012	691716	92826		1.0	2.0												
105004	L1150013	691716	92826		2.0	4.0												
105004	L1150014	691716	92826		4.0	6.0												
105301	L1153001	692136	92161		1.0	2.0												
105301	L1153001A	692136	92161		0.0	1.0			8.600	1.3		170.000	13		0.700	0.64		
105301	L1153003	692136	92161		2.0	4.0												
105301	L1153004	692136	92161		4.0	6.0												
105302	L1153002	692145	92145		0.0	1.0			7.900	1.2		160.000	12		0.660	0.62		
105302	L1153005	692145	92145		1.0	2.0												
105302	L1153005A	692145	92145		0.0	1.0			10.000	1.3		180.000	13		0.720	0.63		

Table B-2-4. TNA Post-Excavation Soil Characterization Data Remaining for Metals at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Antimony			Arsenic			Barium			Beryllium		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^b :							816	---	---	30	---	---	---	---	---	5	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^b :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^c :							470	---	---	300	---	---	220,000	---	---	2,300	---	---
<i>Eco CC</i> ^d :							1,161	---	---	156	---	---	2,520	---	---	---	---	---
105302	L1153006	692145	92145		2.0	4.0												
105302	L1153007	692145	92145		4.0	6.0												
105303	L1153008	692108	92140		1.0	2.0												
105303	L1153008A	692108	92140		0.0	1.0			1.400	1.2		140.000	12		0.600	0.61		
105303	L1153009	692108	92140		2.0	4.0												
105303	L1153010	692108	92140		4.0	6.0												
106002	L1160006	691662	92877		0.0	1.0			7.200	1.2		400.000	12		0.610	0.6		
106002	L1160007	691662	92877		1.0	2.0												
106002	L1160008	691662	92877		2.0	4.0												
106002	L1160009	691662	92877		4.0	6.0												
106003	L1160010	691680	92888		0.0	1.0			3.900	1.1		210.000	11		0.550	0.55	U	
106003	L1160011	691680	92888		1.0	2.0												
106003	L1160012	691680	92888		2.0	4.0												
106003	L1160013	691680	92888		4.0	6.0												
106003	L1160014	691680	92888		4.0	6.0												
106004	L1160015	691680	92900		0.0	1.0			8.600	1.3		220.000	13		0.790	0.63		
106004	L1160016	691680	92900		1.0	2.0												
106004	L1160017	691680	92900		2.0	4.0												
106004	L1160019	691680	92900		4.0	6.0												
106101	L1161001	691947	93086		0.0	1.0			6.400	1.2		140.000	12		0.670	0.59		
106101	L1161002	691947	93086		1.0	2.0												
106101	L1161003	691947	93086		2.0	4.0												
106101	L1161004	691947	93086		4.0	6.0												
106102	L1161005	691909	93057		0.0	1.0			9.700	1.3		200.000	13		0.660	0.67		
106102	L1161006	691909	93057		1.0	2.0												
106102	L1161007	691909	93057		1.0	2.0												
106102	L1161008	691909	93057		2.0	4.0												
106102	L1161009	691909	93057		4.0	6.0												
106104	L1161014	691956	93011		0.0	1.0			11.000	1.3		250.000	13		0.590	0.64		
106104	L1161015	691956	93011		1.0	2.0												
106104	L1161016	691956	93011		2.0	4.0												
106104	L1161017	691956	93011		4.0	6.0												
106301	L1163009	692099	92970		0.0	1.0			7.200	1.4		160.000	14		0.530	0.69		
106301	L1163010	692099	92970		1.0	2.0												
106301	L1163011	692099	92970		2.0	4.0												
106301	L1163012	692099	92970		4.0	6.0												
106302	L1163013	692094	92997		0.0	1.0			4.500	1.3		75.000	13		0.320	0.65		

Table B-2-4. TNA Post-Excavation Soil Characterization Data Remaining for Metals at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Antimony			Arsenic			Barium			Beryllium		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^b :							816	---	---	30	---	---	---	---	---	5	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^b :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^c :							470	---	---	300	---	---	220,000	---	---	2,300	---	---
<i>Eco CC</i> ^d :							1,161	---	---	156	---	---	2,520	---	---	---	---	---
106302	L1163015	692094	92997		2.0	4.0												
106302	L1163016	692094	92997		4.0	6.0												
106303	L1163017	692099	93024		0.0	1.0			5.600	1.2		70.000	12		0.300	0.59		
106303	L1163018	692099	93024		1.0	2.0												
106303	L1163019	692099	93024		2.0	4.0												
106303	L1163020	692099	93024		4.0	6.0												
106304	L1163021	692101	93040		0.0	1.0			4.400	1.4		48.000	14		0.240	0.68		
106304	L1163022	692101	93040		1.0	2.0												
106304	L1163023	692101	93040		2.0	4.0												
106304	L1163024	692101	93040		4.0	6.0												
106305	L1163025	692073	93131		0.0	1.0			4.700	1.4		290.000	14		0.540	0.68		
106305	L1163026	692073	93131		1.0	2.0												
106305	L1163027	692073	93131		1.0	2.0												
106305	L1163028	692073	93131		2.0	4.0												
106305	L1163029	692073	93131		4.0	6.0												
106306	L1163030	692055	93147		0.0	1.0			7.900	1.3		130.000	13		0.530	0.66		
106306	L1163031	692055	93147		1.0	2.0												
106306	L1163032	692055	93147		2.0	4.0												
106306	L1163033	692055	93147		4.0	6.0												
106307	L1163034	692088	93113		0.0	1.0			12.000	1.2		250.000	12		0.630	0.62		
106307	L1163035	692088	93113		1.0	2.0												
106307	L1163036	692088	93113		2.0	4.0												
106307	L1163037	692088	93113		4.0	6.0												
106308	L1163038	692094	93102		0.0	1.0			12.000	1.3		270.000	13		0.780	0.65		
106308	L1163039	692094	93102		1.0	2.0												
106308	L1163040	692094	93102		2.0	4.0												
106308	L1163041	692094	93102		4.0	6.0												
106401	L1164001	692022	93174		0.0	1.0			3.900	1.3		19.000	13		0.660	0.66	U	
106401	L1164002	692022	93174		1.0	2.0												
106401	L1164003	692022	93174		2.0	4.0												
106401	L1164004	692022	93174		4.0	6.0												
106401	L1164018	692022	93174		0.0	1.0			4.400	1.2		23.000	12		0.610	0.61	U	
106402	L1164005	692011	93185		0.0	1.0			3.600	1.3		25.000	13		0.650	0.65	U	
106402	L1164006	692011	93185		4.0	6.0												
106402	L1164007	692011	93185		2.0	4.0												
106402	L1164008	692011	93185		4.0	6.0												
106403	L1164009	692000	93195		0.0	1.0			6.900	1.2		110.000	12		0.430	0.62		

Table B-2-4. TNA Post-Excavation Soil Characterization Data Remaining for Metals at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Antimony			Arsenic			Barium			Beryllium		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^b :							816	---	---	30	---	---	---	---	---	5	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^b :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^c :							470	---	---	300	---	---	220,000	---	---	2,300	---	---
<i>Eco CC</i> ^d :							1,161	---	---	156	---	---	2,520	---	---	---	---	---
106403	L1164010	692000	93195		1.0	2.0												
106403	L1164011	692000	93195		2.0	4.0												
106403	L1164012	692000	93195		4.0	6.0												
106403	L1164013	692000	93195		4.0	6.0												
106404	L1164014	691970	93215		2.0	4.0			7.800	1.3		180.000	13		0.560	0.65		
106404	L1164015	691970	93215		1.0	2.0												
106404	L1164016	691970	93215		2.0	4.0												
106404	L1164017	691970	93215		4.0	6.0												
106501	L1165001	692089	92859		0.0	1.0			1.300	1.1		14.000	11		0.540	0.54	U	
106501	L1165002	692089	92859		1.0	2.0												
106501	L1165003	692089	92859		2.0	4.0												
106501	L1165004	692089	92859		4.0	6.0												
106501	L1165005	692089	92859		4.0	6.0												
106502	L1165006	692086	92848		0.0	1.0			7.400	1.3		140.000	13		0.690	0.63		
106502	L1165007	692086	92848		1.0	2.0												
106502	L1165008	692086	92848		2.0	4.0												
106502	L1165009	692086	92848		4.0	6.0												
106503	L1165010	692175	92980		0.0	1.0			7.700	1.3		150.000	13		0.420	0.64		
106503	L1165011	692175	92980		1.0	2.0												
106503	L1165012	692175	92980		2.0	4.0												
106503	L1165013	692175	92980		4.0	6.0												
106503	L1165030	692175	92980		1.0	2.0												
106504	L1165014	692161	92912		0.0	1.0			6.600	1.3		170.000	13		0.530	0.63		
106504	L1165015	692161	92912		1.0	2.0												
106504	L1165016	692161	92912		2.0	4.0												
106504	L1165017	692161	92912		4.0	6.0												
106505	L1165018	692194	92823		0.0	1.0			9.000	1.3		200.000	13		0.570	0.63		
106505	L1165019	692194	92823		1.0	2.0												
106505	L1165020	692194	92823		2.0	4.0												
106505	L1165021	692194	92823		4.0	6.0												
106506	L1165022	692273	92884		0.0	1.0			10.000	1.3		250.000	13		0.630	0.66		
106506	L1165023	692273	92884		1.0	2.0												
106506	L1165024	692273	92884		2.0	4.0												
106506	L1165025	692273	92884		4.0	6.0												
106507	L1165026	692267	92904		0.0	1.0			8.200	1.2		160.000	12		0.550	0.61		
106507	L1165027	692267	92904		1.0	2.0												
106507	L1165028	692267	92904		2.0	4.0												

Table B-2-4. TNA Post-Excavation Soil Characterization Data Remaining for Metals at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Antimony			Arsenic			Barium			Beryllium		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^b :							816	---	---	30	---	---	---	---	---	5	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^b :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^c :							470	---	---	300	---	---	220,000	---	---	2,300	---	---
<i>Eco CC</i> ^d :							1,161	---	---	156	---	---	2,520	---	---	---	---	---
106507	L1165029	692267	92904		4.0	6.0												
106507	L1165031	692267	92904		0.0	1.0			6.700	1.2		120.000	12		0.380	0.61		
106601	L1166001	691723	92395		0.0	1.0			7.700	1.3		140.000	13		0.720	0.65		
106601	L1166002	691723	92395		1.0	2.0												
106601	L1166003	691723	92395		2.0	4.0												
106601	L1166004	691723	92395		4.0	6.0												
106602	L1166007	691680	92381		0.0	1.0			6.300	1.7		110.000	17		0.520	0.83		
106602	L1166008	691680	92381		1.0	2.0												
106602	L1166009	691680	92381		2.0	4.0												
106602	L1166010	691680	92381		4.0	6.0												
106701	L1167001	691949	93193		0.0	1.0			6.200	1.2		150.000	12		0.600	0.61		
106701	L1167002	691949	93193		1.0	2.0												
106701	L1167003	691949	93193		2.0	4.0												
106701	L1167004	691949	93193		4.0	6.0												
106702	L1167005	691953	93162		0.0	1.0			7.900	1.3		160.000	13		0.610	0.63		
106702	L1167006	691953	93162		1.0	2.0												
106702	L1167007	691953	93162		1.0	2.0												
106702	L1167008	691953	93162		4.0	6.0												
106703	L1167009	691973	93141		0.0	1.0			7.100	1.2		160.000	12		0.620	0.62		
106703	L1167010	691973	93141		1.0	2.0												
106703	L1167011	691973	93141		2.0	4.0												
106703	L1167012	691973	93141		4.0	6.0												
107001	L1170001	691981	92458		0.0	1.0			8.700	1.2		200.000	12		0.780	0.62		
107001	L1170002	691981	92458		1.0	2.0												
107001	L1170003	691981	92458		2.0	4.0												
107001	L1170004	691981	92458		4.0	6.0												
107002	L1170005	691961	92498		0.0	1.0			8.500	1.4		340.000	14		0.700	0.72		
107002	L1170006	691961	92498		1.0	2.0												
107002	L1170007	691961	92498		2.0	4.0												
107002	L1170008	691961	92498		4.0	6.0												
107004	L1170014	691976	92478		0.0	1.0			9.200	1.2		230.000	12		0.710	0.6		
107004	L1170015	691976	92478		1.0	2.0												
107004	L1170016	691976	92478		2.0	4.0												
107004	L1170017	691976	92478		4.0	6.0												
107101	L1171001	691874	92664		0.0	1.0			7.700	1.2		210.000	12		0.590	0.62		
107101	L1171002	691874	92664		1.0	2.0												
107101	L1171003	691874	92664		2.0	4.0												

Table B-2-4. TNA Post-Excavation Soil Characterization Data Remaining for Metals at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Antimony			Arsenic			Barium			Beryllium		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^b :							816	---	---	30	---	---	---	---	---	5	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^b :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^c :							470	---	---	300	---	---	220,000	---	---	2,300	---	---
<i>Eco CC</i> ^d :							1,161	---	---	156	---	---	2,520	---	---	---	---	---
107101	L1171004	691874	92664		4.0	6.0												
107201	L1172001	691875	92586		0.0	1.0			9.400	1.3		210.000	13		0.660	0.63		
107201	L1172002	691875	92586		1.0	2.0												
107201	L1172003	691875	92586		2.0	4.0												
107201	L1172004	691875	92586		4.0	6.0												
107201	L1172005	691875	92586		4.0	6.0												
107303	L1173009	691882	92517		0.0	1.0			6.800	1.8		160.000	18		0.510	0.91		
107303	L1173010	691882	92517		1.0	2.0												
107303	L1173011	691882	92517		2.0	4.0												
107303	L1173012	691882	92517		4.0	6.0												
107304	L1173013	691895	92491		0.0	1.0			10.000	1.2		180.000	12		0.680	0.6		
107304	L1173014	691895	92491		1.0	2.0												
107304	L1173015	691895	92491		2.0	4.0												
107304	L1173016	691895	92491		4.0	6.0												
107305	L1173017	691925	92475		0.0	1.0			8.700	1.3		150.000	13		0.670	0.65		
107305	L1173018	691925	92475		1.0	2.0												
107305	L1173019	691925	92475		2.0	4.0												
107305	L1173020	691925	92475		4.0	6.0												
107401	L1174001	691962	92425		0.0	1.0			9.300	1.3		190.000	13		0.690	0.64		
107401	L1174002	691962	92425		1.0	2.0												
107401	L1174003	691962	92425		2.0	4.0												
107401	L1174004	691962	92425		4.0	6.0												
107501	L1175001	691970	92319		0.0	1.0			7.800	1.3		220.000	13		0.670	0.64		
107501	L1175002	691970	92319		1.0	2.0												
107501	L1175003	691970	92319		2.0	4.0												
107501	L1175004	691970	92319		4.0	6.0												
107601	L1176001	691995	92243		0.0	1.0			15.000	1.3		270.000	13		0.790	0.64		
107601	L1176002	691995	92243		1.0	2.0												
107601	L1176003	691995	92243		1.0	2.0												
107601	L1176004	691995	92243		2.0	4.0												
107601	L1176005	691995	92243		4.0	6.0												
107701	L1177001	691839	93355		0.0	1.0			8.700	1.4		190.000	14		0.870	0.69		
107701	L1177002	691839	93355		1.0	2.0												
107701	L1177003	691839	93355		2.0	4.0												
107701	L1177004	691839	93355		4.0	6.0												
108501	L1185001	692145	93053		0.0	1.0			6.200	1.2		130.000	12		0.530	0.6		
108501	L1185002	692145	93053		1.0	2.0												

Table B-2-4. TNA Post-Excavation Soil Characterization Data Remaining for Metals at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Antimony			Arsenic			Barium			Beryllium		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^b :							816	---	---	30	---	---	---	---	---	5	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^b :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^c :							470	---	---	300	---	---	220,000	---	---	2,300	---	---
<i>Eco CC</i> ^d :							1,161	---	---	156	---	---	2,520	---	---	---	---	---
108501	L1185003	692145	93053		2.0	4.0												
108501	L1185004	692145	93053		4.0	6.0												
108502	L1185005	692193	93114		0.0	1.0			6.200	1.2		130.000	12		0.390	0.59		
108502	L1185006	692193	93114		1.0	2.0												
108502	L1185007	692193	93114		1.0	2.0												
108502	L1185009	692193	93114		4.0	6.0												
110001	L11100001	691889	92747		0.0	1.0			5.000	1.5		200.000	15		0.660	0.74		
110001	L11100002	691889	92747		1.0	2.0												
110001	L11100003	691889	92747		2.0	4.0												
110001	L11100004	691889	92747		2.0	4.0												
110003	L11100009	691958	92733		4.0	6.0												
110003	L11100010	691958	92733		0.0	1.0			9.500	1.2		170.000	12		0.530	0.6		
110003	L11100011	691958	92733		1.0	2.0												
110003	L11100012	691958	92733		1.0	2.0												
110003	L11100013	691958	92733		2.0	4.0												
110003	L11100014	691958	92733		4.0	6.0												
110021	L111002001	691703	92269		0.0	1.0			16.000	1.3		170.000	13		0.820	0.64		
110021	L111002002	691703	92269		0.0	1.0			8.100	1.3		190.000	13		0.550	0.65		
110021	L111002003	691703	92269		1.0	2.0												
110021	L111002004	691703	92269		2.0	4.0												
110021	L111002005	691703	92269		4.0	6.0												
110021	L111002006	691703	92269		4.0	6.0												
112421	L11124001	691974	93402		1.0	2.0												
112421	L11124002	691974	93402		2.0	4.0												
112421	L11124003	691974	93402		4.0	6.0												
112422	L11124004	691977	93392		1.0	2.0												
112422	L11124005	691977	93392		2.0	4.0												
112422	L11124006	691977	93392		4.0	6.0												
112423	L11124007	691956	93454		1.0	2.0												
112423	L11124008	691956	93454		2.0	4.0												
112423	L11124009	691956	93454		4.0	6.0												
112901	L11129001	691933	93378		1.0	2.0												
112901	L11129002	691933	93378		2.0	4.0												
112901	L11129003	691933	93378		4.0	6.0												
112902	L11129004	691961	93373		1.0	2.0												
112902	L11129005	691961	93373		2.0	4.0												
112902	L11129006	691961	93373		2.0	4.0												

Table B-2-4. TNA Post-Excavation Soil Characterization Data Remaining for Metals at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Antimony			Arsenic			Barium			Beryllium		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^b :							816	---	---	30	---	---	---	---	---	5	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^b :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^c :							470	---	---	300	---	---	220,000	---	---	2,300	---	---
<i>Eco CC</i> ^d :							1,161	---	---	156	---	---	2,520	---	---	---	---	---
112903	L11129007	691939	93367		1.0	2.0												
112903	L11129008	691939	93367		2.0	4.0												
112903	L11129009	691939	93367		4.0	6.0												
115201	L11152001	691670	93440		1.0	2.0												
115201	L11152002	691670	93440		2.0	4.0												
115202	L11152003	691677	93430		1.0	2.0												
115202	L11152004	691677	93430		2.0	4.0												
115203	L11152005	691655	93409		1.0	2.0												
115203	L11152006	691655	93409		2.0	4.0												
115204	L11152007	691646	93444		1.0	2.0												
115204	L11152008	691646	93444		2.0	4.0												
115205	L11152009	691681	93484		1.0	2.0												
115205	L11152009DL	691681	93484		1.0	2.0												
115205	L11152011	691681	93484		2.0	4.0												
115206	L11152012	691648	93431		1.0	2.0												
115206	L11152013	691648	93431		2.0	4.0												
115207	L11152014	691651	93420		1.0	2.0												
115207	L11152015	691651	93420		2.0	4.0												
115501	L11155001	691829	92890		0.0	1.0			6.000	1.3		170.000	13		0.700	0.63		
115501	L11155002	691829	92890		1.0	2.0												
115501	L11155003	691829	92890		2.0	4.0												
115501	L11155004	691829	92890		4.0	6.0												
115501	L11155005	691829	92890		4.0	6.0												
115502	L11155006	691921	92626		0.0	1.0			9.500	1.2		200.000	12		0.680	0.62		
115502	L11155007	691921	92626		1.0	2.0												
115502	L11155008	691921	92626		2.0	4.0												
115502	L11155009	691921	92626		4.0	6.0												
115503	L11155010	692016	92333		0.0	1.0			6.500	1.2		180.000	12		0.550	0.62		
115503	L11155011	692016	92333		1.0	2.0												
115503	L11155012	692016	92333		2.0	4.0												
116901	L11169001	691798	92297		0.0	1.0												
116901	L11169002	691798	92297		1.0	2.0												
116902	L1169003	691703	93210		0.0	1.0												
116902	L1169004	691703	93210		1.0	2.0												
116903	L11169005	691920	92946		0.0	1.0												
116903	L11169006	691920	92946		1.0	2.0												
116904	L11169007	691946	92866		0.0	1.0												

Table B-2-4. TNA Post-Excavation Soil Characterization Data Remaining for Metals at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Antimony			Arsenic			Barium			Beryllium		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^b :							816	---	---	30	---	---	---	---	---	5	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^b :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^c :							470	---	---	300	---	---	220,000	---	---	2,300	---	---
<i>Eco CC</i> ^d :							1,161	---	---	156	---	---	2,520	---	---	---	---	---
116904	L11169008	691946	92866		1.0	2.0												
116905	L11169009	692120	92125		0.0	1.0												
116905	L11169010	692120	92125		1.0	2.0												
116906	L11169011	692028	92646		1.0	2.0												
116907	L11169013	692114	92355		0.0	1.0												
116907	L11169014	692114	92355		1.0	2.0												
116908	L11169016	692066	92273		0.0	1.0												
116908	L11169017	692066	92273		1.0	2.0												
116909	L11169018	691757	92233		0.0	1.0												
116909	L11169019	691757	92233		1.0	2.0												
116910	L11169020	691979	93373		0.0	1.0												
116910	L11169021	691979	93373		1.0	2.0												
116911	L11169022	691769	93328		0.0	1.0												
116911	L11169023	691769	93328		1.0	2.0												
116912	L11169024	691863	93415		0.0	1.0												
116912	L11169025	691863	93415		1.0	2.0												
116913	L11169026	691701	92898		0.0	1.0												
116913	L11169027	691701	92898		1.0	2.0												
116914	L11169028	691725	93411		0.0	1.0												
116914	L11169028DL	691725	93411		0.0	1.0												
116914	L11169029	691725	93411		1.0	2.0												
116914	L11169029DL	691725	93411		1.0	2.0												
116915	L11169030	691883	93355		0.0	1.0												
116915	L11169031	691883	93355		0.0	1.0												
116916	L11169032	692204	93063		0.0	1.0												
116916	L11169033	692204	93063		0.0	1.0												
116916	L11169034	692204	93063		1.0	2.0												
116917	L11169035	691698	92263		0.0	1.0												
116917	L11169036	691698	92263		1.0	2.0												
116918	L11169037	691949	93168		0.0	1.0												
116918	L11169038	691949	93168		1.0	2.0												
116919	L11169039	692104	92656		0.0	1.0												
116919	L11169040	692104	92656		1.0	2.0												
116920	L11169041	691813	92098		0.0	1.0												
116920	L11169042	691813	92098		1.0	2.0												
116920	L11169043	691813	92098		1.0	2.0												
116921	L11169044	692141	92572		0.0	1.0												

Table B-2-4. TNA Post-Excavation Soil Characterization Data Remaining for Metals at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Antimony			Arsenic			Barium			Beryllium		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^b :							816	---	---	30	---	---	---	---	---	5	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^b :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^c :							470	---	---	300	---	---	220,000	---	---	2,300	---	---
<i>Eco CC</i> ^d :							1,161	---	---	156	---	---	2,520	---	---	---	---	---
116921	L11169045	692141	92572		1.0	2.0												
116922	L11169046	692089	92779		0.0	1.0												
116922	L11169047	692089	92779		1.0	2.0												
116925	L11169052	691675	93311		0.0	1.0												
116925	L11169053	691675	93311		1.0	2.0												
160302	L1163014	692094	92997		1.0	2.0												
163701	L1163001	691731	92351		0.0	1.0			8.000	1.4		200.000	14		0.680	0.68		
163701	L1163002	691731	92351		1.0	2.0												
163701	L1163003	691731	92351		2.0	4.0												
163701	L1163004	691731	92351		4.0	6.0												
163702	L1163005	691759	92309		0.0	1.0			9.000	1.6		140.000	16		0.570	0.81		
163702	L1163006	691759	92309		1.0	2.0												
163702	L1163007	691759	92309		2.0	4.0												
163702	L1163008	691759	92309		4.0	6.0												
10DD01	L110DD001	691669	93262		0.0	1.0			5.200	1.2		140.000	12		0.600	0.62		
10DD01	L110DD002	691669	93262		1.0	2.0												
10DD01	L110DD003	691669	93262		2.0	4.0												
10DD01	L110DD004	691669	93262		4.0	6.0												
10DD02	L110DD005	691641	93234		0.0	1.0			13.000	1.4		170.000	14		0.920	0.68		
10DD02	L110DD006	691641	93234		1.0	2.0												
10DD02	L110DD007	691641	93234		2.0	4.0												
10DD02	L110DD008	691641	93234		4.0	6.0												
10DD03	L110DD009	691565	93119		0.0	1.0			4.300	1.3		440.000	13		0.800	0.67		
10DD03	L110DD010	691565	93119		1.0	2.0												
10DD03	L110DD011	691565	93119		2.0	4.0												
10DD03	L110DD012	691565	93119		4.0	6.0												
10DD04	L110DD013	691508	93081		0.0	1.0			4.300	1.3		160.000	13		0.780	0.66		
10DD04	L110DD014	691508	93081		1.0	2.0												
10DD04	L110DD015	691508	93081		2.0	4.0												
10DD04	L110DD016	691508	93081		2.0	4.0												
10DD04	L110DD017	691508	93081		4.0	6.0												
10DD05	L110DD018	691525	93099		0.0	1.0			9.500	1.4		220.000	14		0.820	0.71		
10DD05	L110DD019	691525	93099		1.0	2.0												
10DD07	L110DD026	691660	93153		0.0	1.0			4.200	1.2		140.000	12		0.590	0.62		
10DD07	L110DD027	691660	93153		1.0	2.0												
10DD07	L110DD028	691660	93153		2.0	4.0												
10DD07	L110DD029	691660	93153		4.0	6.0												

Table B-2-4. TNA Post-Excavation Soil Characterization Data Remaining for Metals at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Antimony			Arsenic			Barium			Beryllium		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^b :							816	---	---	30	---	---	---	---	---	5	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^b :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^c :							470	---	---	300	---	---	220,000	---	---	2,300	---	---
<i>Eco CC</i> ^d :							1,161	---	---	156	---	---	2,520	---	---	---	---	---
10DD09	L110DD034	691861	92762		0.0	1.0				4.900	1.3		300.000	13		0.750	0.65	
10DD09	L110DD035	691861	92762		1.0	2.0												
10DD09	L110DD036	691861	92762		2.0	4.0												
10DD09	L110DD037	691861	92762		4.0	6.0												
10DD10	L110DD038	691839	92768		0.0	1.0				2.300	1.4		160.000	14		0.730	0.71	
10DD10	L110DD039	691839	92768		0.0	1.0				3.100	1.4		170.000	14		0.830	0.71	
10DD10	L110DD040	691839	92768		1.0	2.0												
10DD10	L110DD041	691839	92768		2.0	4.0												
10DD10	L110DD042	691839	92768		4.0	6.0												
10DD11	L110DD043	691762	92784		0.0	1.0				11.000	1.5		180.000	15		1.100	0.74	
10DD11	L110DD044	691762	92784		1.0	2.0												
10DD11	L110DD045	691762	92784		1.0	2.0												
10DD11	L110DD046	691762	92784		2.0	4.0												
10DD11	L110DD047	691762	92784		4.0	6.0												
10DD12	L110DD048	691726	92790		0.0	1.0				3.200	1.4		140.000	14		0.570	0.68	
10DD12	L110DD049	691726	92790		1.0	2.0												
10DD12	L110DD050	691726	92790		2.0	4.0												
10DD12	L110DD051	691726	92790		4.0	6.0												
10DD13	L110DD052	691627	92701		0.0	1.0				8.000	1.3		120.000	13		0.540	0.63	
10DD13	L110DD053	691627	92701		1.0	2.0												
10DD13	L110DD054	691627	92701		2.0	4.0												
10DD13	L110DD055	691627	92701		4.0	6.0												
10DD14	L110DD056	691617	92673		0.0	1.0				5.200	1.3		160.000	13		0.510	0.67	
10DD14	L110DD057	691617	92673		1.0	2.0												
10DD14	L110DD058	691617	92673		2.0	4.0												
10DD14	L110DD059	691617	92673		4.0	6.0												
10DD15	L110DD060	691625	92545		0.0	1.0				7.900	1.2		70.000	12		0.480	0.61	
10DD15	L110DD061	691625	92545		1.0	2.0												
10DD15	L110DD062	691625	92545		2.0	4.0												
10DD15	L110DD063	691625	92545		4.0	6.0												
10DD16	L110DD065	691588	92546		1.0	2.0												
10DD16	L110DD066	691588	92546		2.0	4.0												
10DD16	L110DD067	691588	92546		4.0	6.0												
10DD17	L110DD069	691547	92435		1.0	2.0												
10DD17	L110DD070	691547	92435		2.0	4.0												
10DD17	L110DD071	691547	92435		4.0	6.0												
10DD17	L110DD072	691547	92435		4.0	6.0												

Table B-2-4. TNA Post-Excavation Soil Characterization Data Remaining for Metals at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Antimony			Arsenic			Barium			Beryllium		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^b :							816	---	---	30	---	---	---	---	---	5	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^b :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^c :							470	---	---	300	---	---	220,000	---	---	2,300	---	---
<i>Eco CC</i> ^d :							1,161	---	---	156	---	---	2,520	---	---	---	---	---
10DD18	L110DD074	691582	92419		1.0	2.0												
10DD18	L110DD075	691582	92419		2.0	4.0												
10DD18	L110DD076	691582	92419		4.0	6.0												
10DD19	L110DD077	691678	92547		0.0	1.0			5.200	1.5		12,000.000	740		0.690	0.74		
10DD19	L110DD078DL	691678	92547		1.0	2.0												
10DD19	L110DD079DL	691678	92547		2.0	4.0												
10DD20	L110DD081	691806	92511		0.0	1.0			6.500	1.3		120.000	13		0.650	0.64		
10DD20	L110DD082	691806	92511		1.0	2.0												
10DD20	L110DD083	691806	92511		2.0	4.0												
10DD20	L110DD084	691806	92511		4.0	6.0												
10DD21	L110DD085	691838	92504		0.0	1.0			2.900	1.3		220.000	13		0.640	0.66		
10DD21	L110DD086	691838	92504		1.0	2.0												
10DD21	L110DD087	691838	92504		2.0	4.0												
10DD21	L110DD088	691838	92504		4.0	6.0												
10DD22	L110DD089	691858	92111		0.0	1.0			8.000	1.3		190.000	13		0.680	0.67		
10DD22	L110DD090	691858	92111		1.0	2.0												
10DD22	L110DD091	691858	92111		2.0	4.0												
10DD22	L110DD092	691858	92111		4.0	6.0												
10DD23	L110DD094	691798	92021		1.0	2.0												
10DD23	L110DD095	691798	92021		2.0	4.0												
10DD23	L110DD096	691798	92021		4.0	6.0												
10DD25	L110DD102	691742	92808		2.0	4.0			5.800	1.3		210.000	13		1.400	0.64		
10DD25	L110DD103	691742	92808		1.0	2.0												
10DD25	L110DD104	691742	92808		2.0	4.0												
10DD25	L110DD105	691742	92808		4.0	6.0												
10DD26	L110DD106	691759	92856		0.0	1.0			3.600	1.3		680.000	13		0.650	0.63		
10DD26	L110DD107	691759	92856		1.0	2.0												
10DD26	L110DD108	691759	92856		2.0	4.0												
10DD26	L110DD109	691759	92856		4.0	6.0												
10DD27	L110DD110	691918	91943		0.0	1.0			7.800	1.3		130.000	13		0.610	0.64		
10DD27	L110DD111	691918	91943		1.0	2.0												
10DD27	L110DD112	691918	91943		2.0	4.0												
10DD27	L110DD113	691918	91943		4.0	6.0												
10DD28	L110DD115	691840	91886		1.0	2.0												
10DD28	L110DD116	691840	91886		2.0	4.0												
10DD28	L110DD117	691840	91886		4.0	6.0												
10DD29	L110DD131	691632	93305		0.0	1.0			8.300	1.3		230.000	13		0.860	0.63		

Table B-2-4. TNA Post-Excavation Soil Characterization Data Remaining for Metals at Line 1 at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Antimony			Arsenic			Barium			Beryllium		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^b :							816	---	---	30	---	---	---	---	---	5	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^b :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^c :							470	---	---	300	---	---	220,000	---	---	2,300	---	---
<i>Eco CC</i> ^d :							<i>1,161</i>	---	---	<i>156</i>	---	---	<i>2,520</i>	---	---	---	---	---
10DD29	L110DD132	691632	93305		1.0	2.0												
10DD29	L110DD133	691632	93305		2.0	4.0												
10DD29	L110DD134	691632	93305		4.0	6.0												
Maximum Reported Concentration (Detects and Non-Detects):							---	---	---	16.000	---	---	12,000.000	---	---	1.400	---	---
Maximum Detected Concentration:							---	---	---	16.000	---	---	12,000.000	---	---	1.400	---	---
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0):							0	---	---	0	---	---	---	---	---	0	---	---
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection):							---	---	---	---	---	---	---	---	---	---	---	---
Number of Sample Results Greater than USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0):							0	---	---	0	---	---	0	---	---	0	---	---
Number of Sample Results Greater than Eco CC:							0	---	---	0	---	---	1	---	---	---	---	---

^a The IAAAP OU-1 ROD RG and RSL (USEPA 2018a) for industrial soil are presented for chromium are for hexavalent chromium.

^b Gray-shaded concentrations exceed the corresponding IAAAP OU-1 ROD RGs protective of an industrial worker ingesting soil (USACE 1998a).

^c Concentrations in **bold** exceed the corresponding RSLs (USEPA 2017) protective of an industrial worker exposed to soil via ingestion, dermal contact, and dust inhalation.

^d Concentrations in *italics* exceed the corresponding Eco CCs calculated for Line 1.

Notes:

"--" Indicates that there is no comparison value available.

All results and comparison values are in mg/kg.

NA - Maximum detected result is not available because all results reported for the parameter are non-detect.

VQ symbols indicate: "=" positive identification, positive quantitation, no reason to estimate,

"U" non-detect, no reason to estimate, "J" positive identification, estimated quantitation,

"UJ" analyte was not detected and had QC deficiencies.

Table B-2-4. TNA Post-Excavation Soil Characterization Data Remaining for Metals at Line 1 :

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Cadmium			Chromium ^a			Cobalt			Copper		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^b :							1,000	---	---	10,000	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^b :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^c :							980	---	---	630	---	---	350	---	---	47,000	---	---
<i>Eco CC</i> ^d :							77.4	---	---	---	---	---	743	---	---	2,445	---	---
100101	L1101001	691685	93330		0.0	1.0	1.200	1.2	U	19.000	1.2							
100101	L1101002	691685	93330		1.0	2.0												
100101	L1101003	691685	93330		2.0	4.0												
100101	L1101004	691685	93330		4.0	6.0												
100102	L1101005	691685	93369		0.0	1.0	0.650	0.65	U	16.000	1.3							
100102	L1101006	691685	93369		1.0	2.0												
100102	L1101007	691685	93369		2.0	4.0												
100102	L1101008	691685	93369		4.0	6.0												
100103	L1101009	691723	93308		0.0	1.0	0.540	0.54	U	8.000	1.1							
100103	L1101010	691723	93308		1.0	2.0												
100103	L1101011	691723	93308		2.0	4.0												
100103	L1101012	691723	93308		4.0	6.0												
100201	L1102001	691824	93116		1.0	2.0												
100201	L1102002	691824	93116		2.0	4.0												
100202	L1102003	691834	93110		1.0	2.0												
100202	L1102004	691834	93110		2.0	4.0												
100203	L1102005	691839	93129		1.0	2.0												
100203	L1102006	691839	93129		2.0	4.0												
100204	L1102007	691851	93109		1.0	2.0												
100204	L1102008	691851	93109		2.0	4.0												
100205	L1102009	691838	93090		1.0	2.0												
100205	L1102010	691838	93090		2.0	4.0												
100205	L1102011	691838	93090		2.0	4.0												
100206	L1102012	691842	93123		1.0	2.0												
100206	L1102013	691842	93123		2.0	4.0												
100302	L1103005	691754	93117		0.0	1.0	0.660	0.66	U	17.000	1.3							
100302	L1103006	691754	93117		1.0	2.0												
100302	L1103007	691754	93117		2.0	4.0												
100302	L1103008	691754	93117		4.0	6.0												
100303	L1103009	691803	93111		0.0	1.0	3.100	0.59		34.000	1.2							
100303	L1103010	691803	93111		1.0	2.0												
100303	L1103011	691803	93111		2.0	4.0												
100303	L1103012	691803	93111		4.0	6.0												
100304	L1103013	691776	93096		0.0	1.0	0.510	0.51	U	12.000	1							
100304	L1103014	691776	93096		1.0	2.0												
100304	L1103015	691776	93096		2.0	4.0												
100304	L1103016	691776	93096		2.0	4.0												

Table B-2-4. TNA Post-Excavation Soil Characterization Data Remaining for Metals at Line 1 :

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Cadmium			Chromium ^a			Cobalt			Copper		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^b :							1,000	---	---	10,000	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^b :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^c :							980	---	---	630	---	---	350	---	---	47,000	---	---
<i>Eco CC</i> ^d :							77.4	---	---	---	---	---	743	---	---	2,445	---	---
100304	L1103017	691776	93096		4.0	6.0												
100305	L1103018	692112	92187		0.0	1.0	0.160	0.62		6.400	1.2							
100305	L1103019	692112	92187		1.0	2.0												
100305	L1103020	692112	92187		2.0	4.0												
100305	L1103021	692112	92187		4.0	6.0												
100401	L1104001	691772	93135		0.0	1.0	0.650	0.65	U	16.000	1.3							
100401	L1104002	691772	93135		1.0	2.0												
100401	L1104003	691772	93135		2.0	4.0												
100401	L1104004	691772	93135		4.0	6.0												
100402	L1104005	691742	93216		0.0	1.0	0.610	0.61	U	21.000	1.2							
100402	L1104006	691742	93216		1.0	2.0												
100402	L1104007	691742	93216		2.0	4.0												
100402	L1104008	691742	93216		4.0	6.0												
100403	L1104009	691792	93152		0.0	1.0	0.170	0.61		19.000	1.2							
100403	L1104010	691792	93152		1.0	2.0												
100403	L1104011	691792	93152		2.0	4.0												
100403	L1104012	691792	93152		4.0	6.0												
100404	L1104013	691796	93140		0.0	1.0	0.620	0.62	U	17.000	1.2							
100404	L1104014	691796	93140		1.0	2.0												
100404	L1104015	691796	93140		2.0	4.0												
100404	L1104016	691796	93140		4.0	6.0												
100501	L1105001	691921	92838		0.0	1.0	0.610	0.62		25.000	1.2							
100501	L1105002	691921	92838		1.0	2.0												
100501	L1105003	691921	92838		2.0	4.0												
100501	L1105004	691921	92838		4.0	6.0												
100502	L1105005	691921	92844		0.0	1.0	0.280	0.65		18.000	1.3							
100502	L1105006	691921	92844		1.0	2.0												
100502	L1105007	691921	92844		1.0	2.0												
100502	L1105008	691921	92844		2.0	4.0												
100502	L1105009	691921	92844		4.0	6.0												
100503	L1105010	691915	92797		0.0	1.0	2.800	0.62		34.000	1.2							
100503	L1105011	691915	92797		1.0	2.0												
100503	L1105012	691915	92797		2.0	4.0												
100503	L1105013	691915	92797		4.0	6.0												
100504	L1105014	691932	92802		0.0	1.0	0.050	0.65		26.000	1.3							
100504	L1105015	691932	92802		1.0	2.0												
100504	L1105016	691932	92802		2.0	4.0												

Table B-2-4. TNA Post-Excavation Soil Characterization Data Remaining for Metals at Line 1 :

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Cadmium			Chromium ^a			Cobalt			Copper		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^b :							1,000	---	---	10,000	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^b :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^c :							980	---	---	630	---	---	350	---	---	47,000	---	---
<i>Eco CC</i> ^d :							77.4	---	---	---	---	---	743	---	---	2,445	---	---
100504	L1105017	691932	92802		4.0	6.0												
100505	L1105018	691911	92799		0.0	1.0	0.620	0.62	U	15.000	1.2							
100505	L1105019	691911	92799		1.0	2.0												
100505	L1105020	691911	92799		2.0	4.0												
100505	L1105021	691911	92799		4.0	6.0												
100506	L1105022	691896	92792		1.0	2.0												
100506	L1105023	691896	92792		2.0	4.0												
100506	L1105024	691896	92792		4.0	6.0												
100509	L1105035	691899	92831		0.0	1.0	0.280	0.61		26.000	1.2							
100509	L1105036	691899	92831		1.0	2.0												
100509	L1105037	691899	92831		2.0	4.0												
100509	L1105038	691899	92831		4.0	6.0												
100510	L1105055	691886	92945		0.0	1.0	0.510	0.65		18.000	1.3							
100510	L1105056	691886	92945		1.0	2.0	0.340	1.2		16.000	1.2							
100510	L1105057	691886	92945		2.0	4.0												
100510	L1105058	691886	92945		4.0	6.0												
100511	L1105059	691877	92995		1.0	2.0												
100511	L1105060	691877	92995		2.0	4.0												
100511	L1105061	691877	92995		2.0	4.0												
100511	L1105062	691877	92995		4.0	6.0												
100512	L1105063	691842	92972		1.0	2.0												
100512	L1105064	691842	92972		2.0	4.0												
100512	L1105065	691842	92972		4.0	6.0												
100513	L1105066	691845	92995		1.0	2.0												
100513	L1105067	691845	92995		2.0	4.0												
100513	L1105068	691845	92995		2.0	4.0												
100514	L1105069	691849	92986		1.0	2.0												
100514	L1105070	691849	92986		2.0	4.0												
100514	L1105071	691849	92986		4.0	5.0												
100517	L1105079	691867	93001		0.0	1.0	3.400	1.3		180.000	1.3							
100517	L1105080	691867	93001		1.0	2.0												
100517	L1105081	691867	93001		2.0	4.0												
100517	L1105082	691867	93001		4.0	6.0												
100519	L1105088	691864	92940		0.0	1.0	0.540	0.61		17.000	1.2							
100519	L1105089	691864	92940		1.0	2.0												
100519	L1105090	691864	92940		2.0	4.0												
100519	L1105091	691864	92940		4.0	6.0												

Table B-2-4. TNA Post-Excavation Soil Characterization Data Remaining for Metals at Line 1 :

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Cadmium			Chromium ^a			Cobalt			Copper		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^b :							1,000	---	---	10,000	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^b :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^c :							980	---	---	630	---	---	350	---	---	47,000	---	---
<i>Eco CC</i> ^d :							77.4	---	---	---	---	---	743	---	---	2,445	---	---
100521	L1105096	691911	92849		0.0	1.0	0.380	0.62		19.000	1.2							
100521	L1105097	691911	92849		1.0	2.0												
100521	L1105098	691911	92849		2.0	4.0												
100521	L1105099	691911	92849		4.0	6.0												
100601	L1106001	691750	92646		0.0	1.0	2.100	2.1	U	32.000	1.4							
100601	L1106002	691750	92646		1.0	2.0												
100601	L1106003	691750	92646		2.0	4.0												
100601	L1106004	691750	92646		2.0	4.0												
100601	L1106005	691750	92646		4.0	6.0												
100602	L1106006	691739	92639		0.0	1.0	0.800	0.54		6.500	1.1							
100602	L1106007	691739	92639		1.0	2.0												
100602	L1106008	691739	92639		2.0	4.0												
100602	L1106009	691739	92639		4.0	6.0												
100603	L1106010	691621	93000		0.0	1.0	0.400	0.53		6.700	1.1							
100603	L1106011	691621	93000		1.0	2.0												
100603	L1106012	691621	93000		2.0	4.0												
100603	L1106013	691621	93000		4.0	6.0												
100604	L1106014	691632	93007		0.0	1.0	3.900	1.4		110.000	1.4							
100604	L1106015	691632	93007		1.0	2.0												
100604	L1106016	691632	93007		2.0	4.0												
100604	L1106017	691632	93007		4.0	6.0												
100701	L1107001	692002	92830		0.0	1.0	1.200	1.2	U	15.000	1.2							
100701	L1107002	692002	92830		1.0	2.0												
100701	L1107003	692002	92830		2.0	4.0												
100702	L1107005	692023	92845		0.0	1.0	0.630	0.63	U	15.000	1.3							
100702	L1107006	692023	92845		1.0	2.0												
100702	L1107007	692023	92845		2.0	4.0												
100702	L1107008	692023	92845		4.0	6.0												
100703	L1107009	692034	92800		0.0	1.0	0.610	0.61	U	13.000	1.2							
100703	L1107010	692034	92800		1.0	2.0												
100703	L1107011	692034	92800		2.0	4.0												
100703	L1107012	692034	92800		4.0	6.0												
100801	L1108001	691700	92779		0.0	1.0	0.200	0.64		17.000	1.3							
100801	L1108002	691700	92779		1.0	2.0												
100801	L1108003	691700	92779		2.0	4.0												
100801	L1108004	691700	92779		2.0	4.0												
100801	L1108005	691700	92779		4.0	6.0												

Table B-2-4. TNA Post-Excavation Soil Characterization Data Remaining for Metals at Line 1 :

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Cadmium			Chromium ^a			Cobalt			Copper		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^b :							1,000	---	---	10,000	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^b :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^c :							980	---	---	630	---	---	350	---	---	47,000	---	---
<i>Eco CC</i> ^d :							77.4	---	---	---	---	---	743	---	---	2,445	---	---
100802	L1108006	691723	92706		0.0	1.0	0.910	0.66		15.000	1.3							
100802	L1108006A	691723	92706		0.0	1.0	2.100	0.63		25.000	1.3							
100802	L1108007	691723	92706		1.0	2.0												
100802	L1108007A	691723	92706		1.0	2.0												
100802	L1108008	691723	92706		2.0	4.0												
100802	L1108008A	691723	92706		2.0	4.0												
100802	L1108009	691723	92706		4.0	6.0												
100802	L1108009A	691723	92706		4.0	6.0												
100803	L1108010	691715	92725		0.0	1.0	0.790	0.63		14.000	1.3							
100803	L1108011	691715	92725		1.0	2.0												
100803	L1108012	691715	92725		2.0	4.0												
100803	L1108013	691715	92725		4.0	6.0												
100805	L1108018	691709	92730		0.0	1.0	1.700	0.66		17.000	1.3							
100805	L1108019	691709	92730		1.0	2.0												
100805	L1108020	691709	92730		2.0	4.0												
100805	L1108021	691709	92730		4.0	6.0												
101001	L1110001	691959	92688		0.0	1.0												
101001	L1110002	691959	92688		1.0	2.0												
101001	L1110003	691959	92688		2.0	4.0												
101001	L1110004	691959	92688		4.0	6.0												
101004	L1110016	691978	92653		0.0	1.0	0.160	1.3		18.000	1.3							
101004	L1110017	691978	92653		1.0	2.0												
101004	L1110018	691978	92653		2.0	4.0												
101004	L1110019	691978	92653		4.0	6.0												
101005	L1110037	691993	92609		0.0	1.0	0.690	0.69	U	17.000	1.4							
101005	L1110038	691993	92609		1.0	2.0												
101005	L1110039	691993	92609		2.0	4.0												
101005	L1110040	691993	92609		4.0	6.0												
101006	L1110025	691952	92623		0.0	1.0	0.630	0.63	U	15.000	1.3							
101006	L1110026	691952	92623		1.0	2.0												
101006	L1110027	691952	92623		2.0	4.0												
101006	L1110028	691952	92623		4.0	5.0												
101007	L1110029	691971	92576		0.0	1.0	1.300	1.3	U	16.000	1.3							
101007	L1110030	691971	92576		1.0	2.0												
101008	L1110033	691999	92585		0.0	1.0	0.190	0.63		11.000	1.3							
101008	L1110034	691999	92585		1.0	2.0												
101008	L1110035	691999	92585		2.0	4.0												

Table B-2-4. TNA Post-Excavation Soil Characterization Data Remaining for Metals at Line 1 :

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Cadmium			Chromium ^a			Cobalt			Copper		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^b :							1,000	---	---	10,000	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^b :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^c :							980	---	---	630	---	---	350	---	---	47,000	---	---
<i>Eco CC</i> ^d :							77.4	---	---	---	---	---	743	---	---	2,445	---	---
101008	L1110036	691999	92585		4.0	6.0												
101009	L1110021	691999	92618		0.0	1.0	0.640	0.64	U	16.000	1.3							
101009	L1110022	691999	92618		1.0	2.0												
101009	L1110023	691999	92618		2.0	4.0												
101009	L1110024	691999	92618		4.0	6.0												
101101	L1111001	691809	93287		0.0	1.0	0.650	0.65	U	33.000	1.3							
101101	L1111002	691809	93287		1.0	2.0												
101101	L1111003	691809	93287		2.0	4.0												
101101	L1111004	691809	93287		4.0	6.0												
101102	L1111005	691832	93269		0.0	1.0												
101102	L1111006	691832	93269		2.0	4.0												
101103	L1111007	691812	93314		0.0	1.0	0.660	0.66	U	41.000	1.3							
101103	L1111008	691812	93314		1.0	2.0												
101103	L1111009	691812	93314		2.0	4.0												
101103	L1111010	691812	93314		4.0	6.0												
101104	L1111011	691845	93331		0.0	1.0	0.520	0.6		13.000	1.2							
101104	L1111012	691845	93331		1.0	2.0												
101104	L1111013	691845	93331		2.0	4.0												
101104	L1111014	691845	93331		4.0	6.0												
101105	L1111015	691894	93311		0.0	1.0	0.620	0.62	U	14.000	1.2							
101105	L1111016	691894	93311		1.0	2.0												
101105	L1111017	691894	93311		2.0	4.0												
101105	L1111018	691894	93311		4.0	6.0												
101106	L1111019	691911	93281		0.0	1.0	0.650	0.65	U	14.000	1.3							
101106	L1111020	691911	93281		1.0	2.0												
101106	L1111022	691911	93281		2.0	4.0												
101106	L1111023	691911	93281		4.0	6.0												
101107	L1111024	691838	93244		0.0	1.0	1.200	0.65		15.000	1.3							
101107	L1111025	691838	93244		1.0	2.0												
101107	L1111026	691838	93244		2.0	4.0												
101107	L1111027	691838	93244		4.0	6.0												
101201	L1112001	692036	92381		1.0	2.0												
101201	L1112001A	692036	92381		0.0	1.0	0.630	0.63	U	18.000	1.3							
101201	L1112002	692036	92381		1.0	2.0												
101201	L1112003	692036	92381		2.0	4.0												
101201	L1112004	692036	92381		4.0	6.0												
101204	L1112011A	692080	92344		0.0	1.0	0.610	0.61	U	14.000	1.2							

Table B-2-4. TNA Post-Excavation Soil Characterization Data Remaining for Metals at Line 1 :

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Cadmium			Chromium ^a			Cobalt			Copper		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^b :							1,000	---	---	10,000	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^b :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^c :							980	---	---	630	---	---	350	---	---	47,000	---	---
<i>Eco CC</i> ^d :							77.4	---	---	---	---	---	743	---	---	2,445	---	---
101204	L1112012	692080	92344		2.0	4.0												
101204	L1112013	692080	92344		4.0	6.0												
101205	L1112014	692105	92261		1.0	2.0												
101205	L1112014A	692105	92261		0.0	1.0	0.790	0.59		1.200	1.2	U						
101205	L1112015	692105	92261		2.0	4.0												
101205	L1112016	692105	92261		4.0	6.0												
101206	L1112017	692086	92238		1.0	2.0												
101206	L1112017A	692086	92238		0.0	1.0	0.190	0.64		20.000	1.3							
101206	L1112018	692086	92238		2.0	4.0												
101206	L1112019	692086	92238		4.0	6.0												
101207	L1112020	692050	92340		1.0	2.0												
101207	L1112020A	692050	92340		0.0	1.0	0.660	0.66	U	16.000	1.3							
101207	L1112021	692050	92340		2.0	4.0												
101207	L1112022	692050	92340		4.0	6.0												
101208	L1112023	692041	92462		0.0	1.0	0.950	1.3		38.000	1.3							
101208	L1112024	692041	92462		1.0	2.0												
101208	L1112025	692041	92462		1.0	2.0												
101208	L1112026	692041	92462		2.0	4.0												
101208	L1112027	692041	92462		4.0	6.0												
101209	L1112028	692063	92389		0.0	1.0	0.550	0.55	U	20.000	1.1							
101209	L1112029	692063	92389		1.0	2.0												
101209	L1112030	692063	92389		2.0	4.0												
101209	L1112031	692063	92389		4.0	6.0												
101210	L1112033	692085	92323		1.0	2.0												
101210	L1112034	692085	92323		2.0	4.0												
101210	L1112036	692085	92323		4.0	6.0												
101210	L111232	692085	92323		0.0	1.0	0.650	0.65	U	15.000	1.3							
101211	L1112037	692098	92292		0.0	1.0	0.190	0.62		9.000	1.2							
101211	L1112038	692098	92292		1.0	2.0												
101211	L1112039	692098	92292		2.0	4.0												
101211	L1112040	692098	92292		4.0	6.0												
101212	L1112041	692076	92256		0.0	1.0	0.630	0.63	U	17.000	1.3							
101212	L1112042	692076	92256		1.0	2.0												
101212	L1112043	692076	92256		2.0	4.0												
101212	L1112044	692076	92256		4.0	6.0												
101213	L1112045	692055	92294		0.0	1.0	0.610	0.61	U	15.000	1.2							
101213	L1112046	692055	92294		1.0	2.0												

Table B-2-4. TNA Post-Excavation Soil Characterization Data Remaining for Metals at Line 1 :

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Cadmium			Chromium ^a			Cobalt			Copper		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^b :							1,000	---	---	10,000	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^b :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^c :							980	---	---	630	---	---	350	---	---	47,000	---	---
<i>Eco CC</i> ^d :							77.4	---	---	---	---	---	743	---	---	2,445	---	---
101213	L1112047	692055	92294		2.0	4.0												
101213	L1112048	692055	92294		2.0	4.0												
101213	L1112049	692055	92294		4.0	6.0												
101301	L1113001	691873	92319		0.0	1.0	0.620	0.62	U	15.000	1.2							
101301	L1113002	691873	92319		1.0	2.0												
101301	L1113003	691873	92319		2.0	4.0												
101301	L1113004	691873	92319		4.0	6.0												
101302	L1113006	691868	92338		0.0	1.0	0.630	0.63	U	16.000	1.3							
101302	L1113007	691868	92338		1.0	2.0												
101302	L1113008	691868	92338		2.0	4.0												
101302	L1113009	691868	92338		4.0	6.0												
101303	L1113010	691845	92407		0.0	1.0	0.610	0.61	U	13.000	1.2							
101303	L1113011	691845	92407		1.0	2.0												
101303	L1113012	691845	92407		2.0	4.0												
101303	L1113013	691845	92407		4.0	6.0												
101304	L1113014	691870	92409		2.0	4.0	1.200	0.62		13.000	1.2							
101304	L1113015	691870	92409		1.0	2.0												
101304	L1113016	691870	92409		2.0	4.0												
101304	L1113017	691870	92409		4.0	6.0												
101305	L1113018	691882	92387		0.0	1.0	0.160	0.63		17.000	1.3							
101305	L1113019	691882	92387		1.0	2.0												
101305	L1113020	691882	92387		2.0	4.0												
101305	L1113021	691882	92387		4.0	6.0												
101306	L1113024	691889	94486		1.0	2.0												
101307	L1113023	691900	92319		1.0	2.0												
101307	L1113027	691900	92319		0.0	1.0	3.100	0.63		17.000	1.3							
101307	L1113028	691900	92319		1.0	2.0												
101308	L11130035	691875	92309		4.0	6.0												
101308	L1113031	691875	92309		0.0	1.0	0.620	0.62	U	12.000	1.2							
101308	L1113032	691875	92309		1.0	2.0												
101308	L1113033	691875	92309		2.0	4.0												
101308	L1113034	691875	92309		2.0	4.0												
101309	L1113036	691881	92297		0.0	1.0	0.620	0.62	U	12.000	1.2							
101309	L1113037	691881	92297		1.0	2.0												
101309	L1113038	691881	92297		2.0	4.0												
101309	L1113039	691881	92297		4.0	6.0												
101401	L1114001	691797	92489		0.0	1.0	0.660	0.66	U	15.000	1.3							

Table B-2-4. TNA Post-Excavation Soil Characterization Data Remaining for Metals at Line 1 :

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Cadmium			Chromium ^a			Cobalt			Copper		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^b :							1,000	---	---	10,000	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^b :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^c :							980	---	---	630	---	---	350	---	---	47,000	---	---
<i>Eco CC</i> ^d :							77.4	---	---	---	---	---	743	---	---	2,445	---	---
101401	L1114002	691797	92489		1.0	2.0												
101401	L1114003	691797	92489		2.0	4.0												
101401	L1114004	691797	92489		4.0	6.0												
101402	L1114005	691814	92487		0.0	1.0	3.900	0.64		94.000	1.3							
101402	L1114006	691814	92487		1.0	2.0												
101402	L1114007	691814	92487		2.0	4.0												
101402	L1114008	691814	92487		4.0	6.0												
101501	L1115001	691936	92124		0.0	1.0	0.350	1.3		19.000	1.3							
101501	L1115002	691936	92124		1.0	2.0												
101501	L1115003	691936	92124		2.0	4.0												
101501	L1115004	691936	92124		4.0	6.0												
101502	L1115005	691916	92117		0.0	1.0	5.800	1.3		24.000	1.3							
101502	L1115006	691916	92117		1.0	2.0												
101502	L1115007	691916	92117		2.0	4.0												
101502	L1115008	691916	92117		4.0	6.0												
101503	L1115009	691925	92088		0.0	1.0	1.300	1.3	U	22.000	1.3							
101503	L1115010	691925	92088		1.0	2.0												
101503	L1115011	691925	92088		2.0	4.0												
101503	L1115012	691925	92088		4.0	6.0												
101504	L1115014	691931	92075		0.0	1.0	4.000	0.59		20.000	1.2							
101504	L1115015	691931	92075		1.0	2.0												
101504	L1115016	691931	92075		2.0	4.0												
101504	L1115017	691931	92075		4.0	6.0												
101505	L1115018	691943	92106		0.0	1.0	0.650	0.65	U	16.000	1.3							
101505	L1115019	691943	92106		1.0	2.0												
101505	L1115020	691943	92106		2.0	4.0												
101505	L1115021	691943	92106		4.0	6.0												
101506	L1115022	691950	92080		0.0	1.0	0.660	0.66	U	17.000	1.3							
101506	L1115023	691950	92080		1.0	2.0												
101506	L1115024	691950	92080		2.0	4.0												
101506	L1115025	691950	92080		4.0	6.0												
101601	L1116001	692018	92532		1.0	2.0												
101602	L1116002	692025	92510		1.0	2.0												
101604	L1116005	692012	92535		1.0	2.0												
101605	L1116006	692003	92526		1.0	2.0												
101605	L1116007	692003	92526		1.0	2.0												
101901	L1119001	691756	92245		0.0	1.0	1.200	0.66		20.000	1.3							

Table B-2-4. TNA Post-Excavation Soil Characterization Data Remaining for Metals at Line 1 :

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Cadmium			Chromium ^a			Cobalt			Copper		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^b :							1,000	---	---	10,000	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^b :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^c :							980	---	---	630	---	---	350	---	---	47,000	---	---
<i>Eco CC</i> ^d :							77.4	---	---	---	---	---	743	---	---	2,445	---	---
101901	L1119002	691756	92245		1.0	2.0												
101901	L1119003	691756	92245		2.0	4.0												
101901	L1119004	691756	92245		4.0	6.0												
101902	L1119005	691701	92291		0.0	1.0	0.640	0.64	U	17.000	1.3							
101902	L1119006	691701	92291		1.0	2.0												
101902	L1119007	691701	92291		2.0	4.0												
101902	L1119008	691701	92291		4.0	6.0												
101903	L1119011	691682	92349		0.0	1.0	0.640	0.64	U	16.000	1.3							
101903	L1119012	691682	92349		1.0	2.0												
101903	L1119013	691682	92349		2.0	4.0												
101903	L1119014	691682	92349		4.0	6.0												
101904	L1119015	691752	92256		0.0	1.0	1.300	1.3	U	18.000	1.3							
101904	L1119016	691752	92256		1.0	2.0												
101904	L1119017	691752	92256		2.0	4.0												
101904	L1119018	691752	92256		4.0	6.0												
101905	L1119019	691756	92280		0.0	1.0	1.300	1.3	U	17.000	1.3							
101905	L1119020	691756	92280		1.0	2.0												
101905	L1119021	691756	92280		2.0	4.0												
101905	L1119022	691756	92280		4.0	6.0												
103601	L1136001	691816	93159		0.0	1.0	0.620	0.62	U	15.000	1.2							
103601	L1136002	691816	93159		1.0	2.0												
103601	L1136003	691816	93159		2.0	4.0												
103602	L1136004	691819	93152		0.0	1.0	0.370	0.56		10.000	1.1							
103602	L1136005	691819	93152		1.0	2.0												
103602	L1136006	691819	93152		2.0	4.0												
103603	L1136007	691811	93151		0.0	1.0	0.700	0.7	U	17.000	1.4							
103603	L1136008	691811	93151		1.0	2.0												
103603	L1136009	691811	93151		2.0	4.0												
104001	L1140001	691989	92970		0.0	1.0	0.610	0.61	U	18.000	1.2							
104001	L1140002	691989	92970		1.0	2.0												
104001	L1140003	691989	92970		2.0	4.0												
104001	L1140004	691989	92970		4.0	6.0												
104002	L1140005	691966	92968		0.0	1.0	0.660	0.66	U	18.000	1.3							
104002	L1140007	691966	92968		1.0	2.0												
104002	L1140008	691966	92968		2.0	4.0												
104002	L1140009	691966	92968		4.0	6.0												
104003	L1140010	692020	92953		0.0	1.0	0.640	0.64	U	25.000	1.3							

Table B-2-4. TNA Post-Excavation Soil Characterization Data Remaining for Metals at Line 1 :

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Cadmium			Chromium ^a			Cobalt			Copper		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^b :							1,000	---	---	10,000	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^b :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^c :							980	---	---	630	---	---	350	---	---	47,000	---	---
<i>Eco CC</i> ^d :							77.4	---	---	---	---	---	743	---	---	2,445	---	---
104003	L1140011	692020	92953		0.0	1.0												
104003	L1140013	692020	92953		2.0	4.0												
104003	L1140014	692020	92953		4.0	6.0												
104004	L1140015	691950	92925		0.0	1.0	1.300	1.3	U	20.000	1.3							
104004	L1140016	691950	92925		1.0	2.0												
104004	L1140017	691950	92925		2.0	4.0												
104004	L1140018	691950	92925		4.0	6.0												
104005	L1140006	692034	92912		2.0	4.0												
104005	L1140020	692034	92912		0.0	1.0	0.660	0.66	U	23.000	1.3							
104005	L1140021	692034	92912		1.0	2.0												
104005	L1140022	692034	92912		2.0	4.0												
104005	L1140023	692034	92912		4.0	6.0												
104006	L1140024	692023	92873		0.0	1.0	0.640	0.64	U	14.000	1.3							
104006	L1140025	692023	92873		1.0	2.0												
104006	L1140026	692023	92873		2.0	4.0												
104006	L1140027	692023	92873		4.0	6.0												
104007	L1140028	691983	92874		0.0	1.0	0.380	0.61		14.000	1.2							
104007	L1140029	691983	92874		1.0	2.0												
104007	L1140030	691983	92874		2.0	4.0												
105001	L1150001	691709	92844		1.0	2.0												
105001	L1150002	691709	92844		2.0	4.0												
105001	L1150003	691709	92844		4.0	6.0												
105003	L1150007	691689	92828		0.0	1.0	0.110	0.63		15.000	1.3							
105003	L1150008	691689	92828		1.0	2.0												
105003	L1150009	691689	92828		2.0	4.0												
105003	L1150010	691689	92828		4.0	6.0												
105004	L1150011	691716	92826		0.0	1.0	0.630	0.63	U	15.000	1.3							
105004	L1150012	691716	92826		1.0	2.0												
105004	L1150013	691716	92826		2.0	4.0												
105004	L1150014	691716	92826		4.0	6.0												
105301	L1153001	692136	92161		1.0	2.0												
105301	L1153001A	692136	92161		0.0	1.0	1.300	1.3	U	17.000	1.3							
105301	L1153003	692136	92161		2.0	4.0												
105301	L1153004	692136	92161		4.0	6.0												
105302	L1153002	692145	92145		0.0	1.0	0.620	0.62	U	16.000	1.2							
105302	L1153005	692145	92145		1.0	2.0												
105302	L1153005A	692145	92145		0.0	1.0	1.300	1.3	U	17.000	1.3							

Table B-2-4. TNA Post-Excavation Soil Characterization Data Remaining for Metals at Line 1 :

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Cadmium			Chromium ^a			Cobalt			Copper		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^b :							1,000	---	---	10,000	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^b :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^c :							980	---	---	630	---	---	350	---	---	47,000	---	---
<i>Eco CC</i> ^d :							77.4	---	---	---	---	---	743	---	---	2,445	---	---
105302	L1153006	692145	92145		2.0	4.0												
105302	L1153007	692145	92145		4.0	6.0												
105303	L1153008	692108	92140		1.0	2.0												
105303	L1153008A	692108	92140		0.0	1.0	0.610	0.61	U	14.000	1.2							
105303	L1153009	692108	92140		2.0	4.0												
105303	L1153010	692108	92140		4.0	6.0												
106002	L1160006	691662	92877		0.0	1.0	0.310	0.6		16.000	1.2							
106002	L1160007	691662	92877		1.0	2.0												
106002	L1160008	691662	92877		2.0	4.0												
106002	L1160009	691662	92877		4.0	6.0												
106003	L1160010	691680	92888		0.0	1.0	0.540	0.55		6.700	1.1							
106003	L1160011	691680	92888		1.0	2.0												
106003	L1160012	691680	92888		2.0	4.0												
106003	L1160013	691680	92888		4.0	6.0												
106003	L1160014	691680	92888		4.0	6.0												
106004	L1160015	691680	92900		0.0	1.0	0.630	0.63	U	270.000	1.3							
106004	L1160016	691680	92900		1.0	2.0												
106004	L1160017	691680	92900		2.0	4.0												
106004	L1160019	691680	92900		4.0	6.0												
106101	L1161001	691947	93086		0.0	1.0	0.590	0.59	U	13.000	1.2							
106101	L1161002	691947	93086		1.0	2.0												
106101	L1161003	691947	93086		2.0	4.0												
106101	L1161004	691947	93086		4.0	6.0												
106102	L1161005	691909	93057		0.0	1.0	0.450	1.3		16.000	1.3							
106102	L1161006	691909	93057		1.0	2.0												
106102	L1161007	691909	93057		1.0	2.0												
106102	L1161008	691909	93057		2.0	4.0												
106102	L1161009	691909	93057		4.0	6.0												
106104	L1161014	691956	93011		0.0	1.0	0.550	0.64		17.000	1.3							
106104	L1161015	691956	93011		1.0	2.0												
106104	L1161016	691956	93011		2.0	4.0												
106104	L1161017	691956	93011		4.0	6.0												
106301	L1163009	692099	92970		0.0	1.0	0.690	0.69	U	13.000	1.4							
106301	L1163010	692099	92970		1.0	2.0												
106301	L1163011	692099	92970		2.0	4.0												
106301	L1163012	692099	92970		4.0	6.0												
106302	L1163013	692094	92997		0.0	1.0	0.240	0.65		8.700	1.3							

Table B-2-4. TNA Post-Excavation Soil Characterization Data Remaining for Metals at Line 1 :

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Cadmium			Chromium ^a			Cobalt			Copper		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^b :							1,000	---	---	10,000	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^b :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^c :							980	---	---	630	---	---	350	---	---	47,000	---	---
<i>Eco CC</i> ^d :							77.4	---	---	---	---	---	743	---	---	2,445	---	---
106302	L1163015	692094	92997		2.0	4.0												
106302	L1163016	692094	92997		4.0	6.0												
106303	L1163017	692099	93024		0.0	1.0	0.210	0.59		7.100	1.2							
106303	L1163018	692099	93024		1.0	2.0												
106303	L1163019	692099	93024		2.0	4.0												
106303	L1163020	692099	93024		4.0	6.0												
106304	L1163021	692101	93040		0.0	1.0	1.000	0.68		11.000	1.4							
106304	L1163022	692101	93040		1.0	2.0												
106304	L1163023	692101	93040		2.0	4.0												
106304	L1163024	692101	93040		4.0	6.0												
106305	L1163025	692073	93131		0.0	1.0	0.680	0.68	U	16.000	1.4							
106305	L1163026	692073	93131		1.0	2.0												
106305	L1163027	692073	93131		1.0	2.0												
106305	L1163028	692073	93131		2.0	4.0												
106305	L1163029	692073	93131		4.0	6.0												
106306	L1163030	692055	93147		0.0	1.0	0.660	0.66	U	12.000	1.3							
106306	L1163031	692055	93147		1.0	2.0												
106306	L1163032	692055	93147		2.0	4.0												
106306	L1163033	692055	93147		4.0	6.0												
106307	L1163034	692088	93113		0.0	1.0	0.340	1.2		14.000	1.2							
106307	L1163035	692088	93113		1.0	2.0												
106307	L1163036	692088	93113		2.0	4.0												
106307	L1163037	692088	93113		4.0	6.0												
106308	L1163038	692094	93102		0.0	1.0	1.300	1.3	U	20.000	1.3							
106308	L1163039	692094	93102		1.0	2.0												
106308	L1163040	692094	93102		2.0	4.0												
106308	L1163041	692094	93102		4.0	6.0												
106401	L1164001	692022	93174		0.0	1.0	0.310	0.66		2.800	1.3							
106401	L1164002	692022	93174		1.0	2.0												
106401	L1164003	692022	93174		2.0	4.0												
106401	L1164004	692022	93174		4.0	6.0												
106401	L1164018	692022	93174		0.0	1.0	0.450	0.61		2.800	1.2							
106402	L1164005	692011	93185		0.0	1.0	0.210	0.65		3.100	1.3							
106402	L1164006	692011	93185		4.0	6.0												
106402	L1164007	692011	93185		2.0	4.0												
106402	L1164008	692011	93185		4.0	6.0												
106403	L1164009	692000	93195		0.0	1.0	0.140	0.62		11.000	1.2							

Table B-2-4. TNA Post-Excavation Soil Characterization Data Remaining for Metals at Line 1 :

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Cadmium			Chromium ^a			Cobalt			Copper		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^b :							1,000	---	---	10,000	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^b :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^c :							980	---	---	630	---	---	350	---	---	47,000	---	---
<i>Eco CC</i> ^d :							77.4	---	---	---	---	---	743	---	---	2,445	---	---
106403	L1164010	692000	93195		1.0	2.0												
106403	L1164011	692000	93195		2.0	4.0												
106403	L1164012	692000	93195		4.0	6.0												
106403	L1164013	692000	93195		4.0	6.0												
106404	L1164014	691970	93215		2.0	4.0	0.210	0.65		13.000	1.3							
106404	L1164015	691970	93215		1.0	2.0												
106404	L1164016	691970	93215		2.0	4.0												
106404	L1164017	691970	93215		4.0	6.0												
106501	L1165001	692089	92859		0.0	1.0	1.100	0.54		1.100	1.1	U						
106501	L1165002	692089	92859		1.0	2.0												
106501	L1165003	692089	92859		2.0	4.0												
106501	L1165004	692089	92859		4.0	6.0												
106501	L1165005	692089	92859		4.0	6.0												
106502	L1165006	692086	92848		0.0	1.0	0.180	0.63		14.000	1.3							
106502	L1165007	692086	92848		1.0	2.0												
106502	L1165008	692086	92848		2.0	4.0												
106502	L1165009	692086	92848		4.0	6.0												
106503	L1165010	692175	92980		0.0	1.0	0.170	0.64		11.000	1.3							
106503	L1165011	692175	92980		1.0	2.0												
106503	L1165012	692175	92980		2.0	4.0												
106503	L1165013	692175	92980		4.0	6.0												
106503	L1165030	692175	92980		1.0	2.0												
106504	L1165014	692161	92912		0.0	1.0	0.190	0.63		12.000	1.3							
106504	L1165015	692161	92912		1.0	2.0												
106504	L1165016	692161	92912		2.0	4.0												
106504	L1165017	692161	92912		4.0	6.0												
106505	L1165018	692194	92823		0.0	1.0	0.630	0.63	U	12.000	1.3							
106505	L1165019	692194	92823		1.0	2.0												
106505	L1165020	692194	92823		2.0	4.0												
106505	L1165021	692194	92823		4.0	6.0												
106506	L1165022	692273	92884		0.0	1.0	0.390	0.66		13.000	1.3							
106506	L1165023	692273	92884		1.0	2.0												
106506	L1165024	692273	92884		2.0	4.0												
106506	L1165025	692273	92884		4.0	6.0												
106507	L1165026	692267	92904		0.0	1.0	1.200	1.2	U	16.000	1.2							
106507	L1165027	692267	92904		1.0	2.0												
106507	L1165028	692267	92904		2.0	4.0												

Table B-2-4. TNA Post-Excavation Soil Characterization Data Remaining for Metals at Line 1 :

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Cadmium			Chromium ^a			Cobalt			Copper		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^b :							1,000	---	---	10,000	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^b :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^c :							980	---	---	630	---	---	350	---	---	47,000	---	---
<i>Eco CC</i> ^d :							77.4	---	---	---	---	---	743	---	---	2,445	---	---
106507	L1165029	692267	92904		4.0	6.0												
106507	L1165031	692267	92904		0.0	1.0	0.610	0.61	U	8.100	1.2							
106601	L1166001	691723	92395		0.0	1.0	0.650	0.65	U	15.000	1.3							
106601	L1166002	691723	92395		1.0	2.0												
106601	L1166003	691723	92395		2.0	4.0												
106601	L1166004	691723	92395		4.0	6.0												
106602	L1166007	691680	92381		0.0	1.0	0.980	0.83		15.000	1.7							
106602	L1166008	691680	92381		1.0	2.0												
106602	L1166009	691680	92381		2.0	4.0												
106602	L1166010	691680	92381		4.0	6.0												
106701	L1167001	691949	93193		0.0	1.0	3.900	0.61		12.000	1.2							
106701	L1167002	691949	93193		1.0	2.0												
106701	L1167003	691949	93193		2.0	4.0												
106701	L1167004	691949	93193		4.0	6.0												
106702	L1167005	691953	93162		0.0	1.0	0.630	0.63		14.000	1.3							
106702	L1167006	691953	93162		1.0	2.0												
106702	L1167007	691953	93162		1.0	2.0												
106702	L1167008	691953	93162		4.0	6.0												
106703	L1167009	691973	93141		0.0	1.0	0.620	0.62	U	13.000	1.2							
106703	L1167010	691973	93141		1.0	2.0												
106703	L1167011	691973	93141		2.0	4.0												
106703	L1167012	691973	93141		4.0	6.0												
107001	L1170001	691981	92458		0.0	1.0	1.200	1.2	U	18.000	1.2							
107001	L1170002	691981	92458		1.0	2.0												
107001	L1170003	691981	92458		2.0	4.0												
107001	L1170004	691981	92458		4.0	6.0												
107002	L1170005	691961	92498		0.0	1.0	0.720	0.72	U	16.000	1.4							
107002	L1170006	691961	92498		1.0	2.0												
107002	L1170007	691961	92498		2.0	4.0												
107002	L1170008	691961	92498		4.0	6.0												
107004	L1170014	691976	92478		0.0	1.0	1.200	1.2	U	15.000	1.2							
107004	L1170015	691976	92478		1.0	2.0												
107004	L1170016	691976	92478		2.0	4.0												
107004	L1170017	691976	92478		4.0	6.0												
107101	L1171001	691874	92664		0.0	1.0	1.000	0.62		18.000	1.2							
107101	L1171002	691874	92664		1.0	2.0												
107101	L1171003	691874	92664		2.0	4.0												

Table B-2-4. TNA Post-Excavation Soil Characterization Data Remaining for Metals at Line 1 :

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Cadmium			Chromium ^a			Cobalt			Copper		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^b :							1,000	---	---	10,000	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^b :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^c :							980	---	---	630	---	---	350	---	---	47,000	---	---
<i>Eco CC</i> ^d :							77.4	---	---	---	---	---	743	---	---	2,445	---	---
107101	L1171004	691874	92664		4.0	6.0												
107201	L1172001	691875	92586		0.0	1.0	0.500	1.3		17.000	1.3							
107201	L1172002	691875	92586		1.0	2.0												
107201	L1172003	691875	92586		2.0	4.0												
107201	L1172004	691875	92586		4.0	6.0												
107201	L1172005	691875	92586		4.0	6.0												
107303	L1173009	691882	92517		0.0	1.0	0.690	0.91		28.000	1.8							
107303	L1173010	691882	92517		1.0	2.0												
107303	L1173011	691882	92517		2.0	4.0												
107303	L1173012	691882	92517		4.0	6.0												
107304	L1173013	691895	92491		0.0	1.0	1.200	1.2	U	17.000	1.2							
107304	L1173014	691895	92491		1.0	2.0												
107304	L1173015	691895	92491		2.0	4.0												
107304	L1173016	691895	92491		4.0	6.0												
107305	L1173017	691925	92475		0.0	1.0	1.300	1.3	U	19.000	1.3							
107305	L1173018	691925	92475		1.0	2.0												
107305	L1173019	691925	92475		2.0	4.0												
107305	L1173020	691925	92475		4.0	6.0												
107401	L1174001	691962	92425		0.0	1.0	0.300	0.64		17.000	1.3							
107401	L1174002	691962	92425		1.0	2.0												
107401	L1174003	691962	92425		2.0	4.0												
107401	L1174004	691962	92425		4.0	6.0												
107501	L1175001	691970	92319		0.0	1.0	0.640	0.64	U	15.000	1.3							
107501	L1175002	691970	92319		1.0	2.0												
107501	L1175003	691970	92319		2.0	4.0												
107501	L1175004	691970	92319		4.0	6.0												
107601	L1176001	691995	92243		0.0	1.0	3.600	1.9		30.000	1.3							
107601	L1176002	691995	92243		1.0	2.0												
107601	L1176003	691995	92243		1.0	2.0												
107601	L1176004	691995	92243		2.0	4.0												
107601	L1176005	691995	92243		4.0	6.0												
107701	L1177001	691839	93355		0.0	1.0	0.690	0.69	U	200.000	1.4							
107701	L1177002	691839	93355		1.0	2.0												
107701	L1177003	691839	93355		2.0	4.0												
107701	L1177004	691839	93355		4.0	6.0												
108501	L1185001	692145	93053		0.0	1.0	0.600	0.6	U	10.000	1.2							
108501	L1185002	692145	93053		1.0	2.0												

Table B-2-4. TNA Post-Excavation Soil Characterization Data Remaining for Metals at Line 1 :

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Cadmium			Chromium ^a			Cobalt			Copper		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^b :							1,000	---	---	10,000	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^b :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^c :							980	---	---	630	---	---	350	---	---	47,000	---	---
<i>Eco CC</i> ^d :							77.4	---	---	---	---	---	743	---	---	2,445	---	---
108501	L1185003	692145	93053		2.0	4.0												
108501	L1185004	692145	93053		4.0	6.0												
108502	L1185005	692193	93114		0.0	1.0	0.120	0.59		9.800	1.2							
108502	L1185006	692193	93114		1.0	2.0												
108502	L1185007	692193	93114		1.0	2.0												
108502	L1185009	692193	93114		4.0	6.0												
110001	L11100001	691889	92747		0.0	1.0	0.160	0.74		21.000	1.5							
110001	L11100002	691889	92747		1.0	2.0												
110001	L11100003	691889	92747		2.0	4.0												
110001	L11100004	691889	92747		2.0	4.0												
110003	L11100009	691958	92733		4.0	6.0												
110003	L11100010	691958	92733		0.0	1.0	0.430	0.6		18.000	1.2							
110003	L11100011	691958	92733		1.0	2.0												
110003	L11100012	691958	92733		1.0	2.0												
110003	L11100013	691958	92733		2.0	4.0												
110003	L11100014	691958	92733		4.0	6.0												
110021	L111002001	691703	92269		0.0	1.0	1.300	1.3	U	17.000	1.3							
110021	L111002002	691703	92269		0.0	1.0	0.650	0.65	U	14.000	1.3							
110021	L111002003	691703	92269		1.0	2.0												
110021	L111002004	691703	92269		2.0	4.0												
110021	L111002005	691703	92269		4.0	6.0												
110021	L111002006	691703	92269		4.0	6.0												
112421	L11124001	691974	93402		1.0	2.0												
112421	L11124002	691974	93402		2.0	4.0												
112421	L11124003	691974	93402		4.0	6.0												
112422	L11124004	691977	93392		1.0	2.0												
112422	L11124005	691977	93392		2.0	4.0												
112422	L11124006	691977	93392		4.0	6.0												
112423	L11124007	691956	93454		1.0	2.0												
112423	L11124008	691956	93454		2.0	4.0												
112423	L11124009	691956	93454		4.0	6.0												
112901	L11129001	691933	93378		1.0	2.0												
112901	L11129002	691933	93378		2.0	4.0												
112901	L11129003	691933	93378		4.0	6.0												
112902	L11129004	691961	93373		1.0	2.0												
112902	L11129005	691961	93373		2.0	4.0												
112902	L11129006	691961	93373		2.0	4.0												

Table B-2-4. TNA Post-Excavation Soil Characterization Data Remaining for Metals at Line 1 :

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Cadmium			Chromium ^a			Cobalt			Copper		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^b :							1,000	---	---	10,000	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^b :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^c :							980	---	---	630	---	---	350	---	---	47,000	---	---
<i>Eco CC</i> ^d :							77.4	---	---	---	---	---	743	---	---	2,445	---	---
112903	L11129007	691939	93367		1.0	2.0												
112903	L11129008	691939	93367		2.0	4.0												
112903	L11129009	691939	93367		4.0	6.0												
115201	L11152001	691670	93440		1.0	2.0												
115201	L11152002	691670	93440		2.0	4.0												
115202	L11152003	691677	93430		1.0	2.0												
115202	L11152004	691677	93430		2.0	4.0												
115203	L11152005	691655	93409		1.0	2.0												
115203	L11152006	691655	93409		2.0	4.0												
115204	L11152007	691646	93444		1.0	2.0												
115204	L11152008	691646	93444		2.0	4.0												
115205	L11152009	691681	93484		1.0	2.0												
115205	L11152009DL	691681	93484		1.0	2.0												
115205	L11152011	691681	93484		2.0	4.0												
115206	L11152012	691648	93431		1.0	2.0												
115206	L11152013	691648	93431		2.0	4.0												
115207	L11152014	691651	93420		1.0	2.0												
115207	L11152015	691651	93420		2.0	4.0												
115501	L11155001	691829	92890		0.0	1.0	0.850	0.63		210.000	1.3							
115501	L11155002	691829	92890		1.0	2.0												
115501	L11155003	691829	92890		2.0	4.0												
115501	L11155004	691829	92890		4.0	6.0												
115501	L11155005	691829	92890		4.0	6.0												
115502	L11155006	691921	92626		0.0	1.0	0.990	1.2		62.000	1.2							
115502	L11155007	691921	92626		1.0	2.0												
115502	L11155008	691921	92626		2.0	4.0												
115502	L11155009	691921	92626		4.0	6.0												
115503	L11155010	692016	92333		0.0	1.0	0.620	0.62	U	18.000	1.2							
115503	L11155011	692016	92333		1.0	2.0												
115503	L11155012	692016	92333		2.0	4.0												
116901	L11169001	691798	92297		0.0	1.0												
116901	L11169002	691798	92297		1.0	2.0												
116902	L1169003	691703	93210		0.0	1.0												
116902	L1169004	691703	93210		1.0	2.0												
116903	L11169005	691920	92946		0.0	1.0												
116903	L11169006	691920	92946		1.0	2.0												
116904	L11169007	691946	92866		0.0	1.0												

Table B-2-4. TNA Post-Excavation Soil Characterization Data Remaining for Metals at Line 1 :

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Cadmium			Chromium ^a			Cobalt			Copper		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^b :							1,000	---	---	10,000	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^b :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^c :							980	---	---	630	---	---	350	---	---	47,000	---	---
<i>Eco CC</i> ^d :							77.4	---	---	---	---	---	743	---	---	2,445	---	---
116904	L11169008	691946	92866		1.0	2.0												
116905	L11169009	692120	92125		0.0	1.0												
116905	L11169010	692120	92125		1.0	2.0												
116906	L11169011	692028	92646		1.0	2.0												
116907	L11169013	692114	92355		0.0	1.0												
116907	L11169014	692114	92355		1.0	2.0												
116908	L11169016	692066	92273		0.0	1.0												
116908	L11169017	692066	92273		1.0	2.0												
116909	L11169018	691757	92233		0.0	1.0												
116909	L11169019	691757	92233		1.0	2.0												
116910	L11169020	691979	93373		0.0	1.0												
116910	L11169021	691979	93373		1.0	2.0												
116911	L11169022	691769	93328		0.0	1.0												
116911	L11169023	691769	93328		1.0	2.0												
116912	L11169024	691863	93415		0.0	1.0												
116912	L11169025	691863	93415		1.0	2.0												
116913	L11169026	691701	92898		0.0	1.0												
116913	L11169027	691701	92898		1.0	2.0												
116914	L11169028	691725	93411		0.0	1.0												
116914	L11169028DL	691725	93411		0.0	1.0												
116914	L11169029	691725	93411		1.0	2.0												
116914	L11169029DL	691725	93411		1.0	2.0												
116915	L11169030	691883	93355		0.0	1.0												
116915	L11169031	691883	93355		0.0	1.0												
116916	L11169032	692204	93063		0.0	1.0												
116916	L11169033	692204	93063		0.0	1.0												
116916	L11169034	692204	93063		1.0	2.0												
116917	L11169035	691698	92263		0.0	1.0												
116917	L11169036	691698	92263		1.0	2.0												
116918	L11169037	691949	93168		0.0	1.0												
116918	L11169038	691949	93168		1.0	2.0												
116919	L11169039	692104	92656		0.0	1.0												
116919	L11169040	692104	92656		1.0	2.0												
116920	L11169041	691813	92098		0.0	1.0												
116920	L11169042	691813	92098		1.0	2.0												
116920	L11169043	691813	92098		1.0	2.0												
116921	L11169044	692141	92572		0.0	1.0												

Table B-2-4. TNA Post-Excavation Soil Characterization Data Remaining for Metals at Line 1 :

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Cadmium			Chromium ^a			Cobalt			Copper		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^b :							1,000	---	---	10,000	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^b :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^c :							980	---	---	630	---	---	350	---	---	47,000	---	---
<i>Eco CC</i> ^d :							77.4	---	---	---	---	---	743	---	---	2,445	---	---
116921	L11169045	692141	92572		1.0	2.0												
116922	L11169046	692089	92779		0.0	1.0												
116922	L11169047	692089	92779		1.0	2.0												
116925	L11169052	691675	93311		0.0	1.0												
116925	L11169053	691675	93311		1.0	2.0												
160302	L1163014	692094	92997		1.0	2.0												
163701	L1163001	691731	92351		0.0	1.0	0.680	0.68	U	19.000	1.4							
163701	L1163002	691731	92351		1.0	2.0												
163701	L1163003	691731	92351		2.0	4.0												
163701	L1163004	691731	92351		4.0	6.0												
163702	L1163005	691759	92309		0.0	1.0	0.810	0.81	U	14.000	1.6							
163702	L1163006	691759	92309		1.0	2.0												
163702	L1163007	691759	92309		2.0	4.0												
163702	L1163008	691759	92309		4.0	6.0												
10DD01	L110DD001	691669	93262		0.0	1.0	0.620	0.62	U	16.000	1.2							
10DD01	L110DD002	691669	93262		1.0	2.0												
10DD01	L110DD003	691669	93262		2.0	4.0												
10DD01	L110DD004	691669	93262		4.0	6.0												
10DD02	L110DD005	691641	93234		0.0	1.0	1.400	1.4	U	19.000	1.4							
10DD02	L110DD006	691641	93234		1.0	2.0												
10DD02	L110DD007	691641	93234		2.0	4.0												
10DD02	L110DD008	691641	93234		4.0	6.0												
10DD03	L110DD009	691565	93119		0.0	1.0	0.670	0.67	U	29.000	1.3							
10DD03	L110DD010	691565	93119		1.0	2.0												
10DD03	L110DD011	691565	93119		2.0	4.0												
10DD03	L110DD012	691565	93119		4.0	6.0												
10DD04	L110DD013	691508	93081		0.0	1.0	0.660	0.66	U	14.000	1.3							
10DD04	L110DD014	691508	93081		1.0	2.0												
10DD04	L110DD015	691508	93081		2.0	4.0												
10DD04	L110DD016	691508	93081		2.0	4.0												
10DD04	L110DD017	691508	93081		4.0	6.0												
10DD05	L110DD018	691525	93099		0.0	1.0	0.710	0.71	U	19.000	1.4							
10DD05	L110DD019	691525	93099		1.0	2.0												
10DD07	L110DD026	691660	93153		0.0	1.0	0.620	0.62	U	13.000	1.2							
10DD07	L110DD027	691660	93153		1.0	2.0												
10DD07	L110DD028	691660	93153		2.0	4.0												
10DD07	L110DD029	691660	93153		4.0	6.0												

Table B-2-4. TNA Post-Excavation Soil Characterization Data Remaining for Metals at Line 1 :

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Cadmium			Chromium ^a			Cobalt			Copper		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^b :							1,000	---	---	10,000	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^b :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^c :							980	---	---	630	---	---	350	---	---	47,000	---	---
<i>Eco CC</i> ^d :							77.4	---	---	---	---	---	743	---	---	2,445	---	---
10DD09	L110DD034	691861	92762		0.0	1.0	0.650	0.65	U	18.000	1.3							
10DD09	L110DD035	691861	92762		1.0	2.0												
10DD09	L110DD036	691861	92762		2.0	4.0												
10DD09	L110DD037	691861	92762		4.0	6.0												
10DD10	L110DD038	691839	92768		0.0	1.0	0.710	0.71	U	23.000	1.4							
10DD10	L110DD039	691839	92768		0.0	1.0	0.710	0.71	U	21.000	1.4							
10DD10	L110DD040	691839	92768		1.0	2.0												
10DD10	L110DD041	691839	92768		2.0	4.0												
10DD10	L110DD042	691839	92768		4.0	6.0												
10DD11	L110DD043	691762	92784		0.0	1.0	1.500	1.5	U	100.000	1.5							
10DD11	L110DD044	691762	92784		1.0	2.0												
10DD11	L110DD045	691762	92784		1.0	2.0												
10DD11	L110DD046	691762	92784		2.0	4.0												
10DD11	L110DD047	691762	92784		4.0	6.0												
10DD12	L110DD048	691726	92790		0.0	1.0	0.120	0.68		14.000	1.4							
10DD12	L110DD049	691726	92790		1.0	2.0												
10DD12	L110DD050	691726	92790		2.0	4.0												
10DD12	L110DD051	691726	92790		4.0	6.0												
10DD13	L110DD052	691627	92701		0.0	1.0	0.430	0.63		14.000	1.3							
10DD13	L110DD053	691627	92701		1.0	2.0												
10DD13	L110DD054	691627	92701		2.0	4.0												
10DD13	L110DD055	691627	92701		4.0	6.0												
10DD14	L110DD056	691617	92673		0.0	1.0	0.500	0.67		13.000	1.3							
10DD14	L110DD057	691617	92673		1.0	2.0												
10DD14	L110DD058	691617	92673		2.0	4.0												
10DD14	L110DD059	691617	92673		4.0	6.0												
10DD15	L110DD060	691625	92545		0.0	1.0	1.200	1.2	U	6.900	1.2							
10DD15	L110DD061	691625	92545		1.0	2.0												
10DD15	L110DD062	691625	92545		2.0	4.0												
10DD15	L110DD063	691625	92545		4.0	6.0												
10DD16	L110DD065	691588	92546		1.0	2.0												
10DD16	L110DD066	691588	92546		2.0	4.0												
10DD16	L110DD067	691588	92546		4.0	6.0												
10DD17	L110DD069	691547	92435		1.0	2.0												
10DD17	L110DD070	691547	92435		2.0	4.0												
10DD17	L110DD071	691547	92435		4.0	6.0												
10DD17	L110DD072	691547	92435		4.0	6.0												

Table B-2-4. TNA Post-Excavation Soil Characterization Data Remaining for Metals at Line 1 :

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Cadmium			Chromium ^a			Cobalt			Copper		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^b :							1,000	---	---	10,000	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^b :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^c :							980	---	---	630	---	---	350	---	---	47,000	---	---
<i>Eco CC</i> ^d :							77.4	---	---	---	---	---	743	---	---	2,445	---	---
10DD18	L110DD074	691582	92419		1.0	2.0												
10DD18	L110DD075	691582	92419		2.0	4.0												
10DD18	L110DD076	691582	92419		4.0	6.0												
10DD19	L110DD077	691678	92547		0.0	1.0	0.390	0.74		190.000	1.5							
10DD19	L110DD078DL	691678	92547		1.0	2.0												
10DD19	L110DD079DL	691678	92547		2.0	4.0												
10DD20	L110DD081	691806	92511		0.0	1.0	0.330	0.64		14.000	1.3							
10DD20	L110DD082	691806	92511		1.0	2.0												
10DD20	L110DD083	691806	92511		2.0	4.0												
10DD20	L110DD084	691806	92511		4.0	6.0												
10DD21	L110DD085	691838	92504		0.0	1.0	0.340	0.66		15.000	1.3							
10DD21	L110DD086	691838	92504		1.0	2.0												
10DD21	L110DD087	691838	92504		2.0	4.0												
10DD21	L110DD088	691838	92504		4.0	6.0												
10DD22	L110DD089	691858	92111		0.0	1.0	0.310	0.67		16.000	1.3							
10DD22	L110DD090	691858	92111		1.0	2.0												
10DD22	L110DD091	691858	92111		2.0	4.0												
10DD22	L110DD092	691858	92111		4.0	6.0												
10DD23	L110DD094	691798	92021		1.0	2.0												
10DD23	L110DD095	691798	92021		2.0	4.0												
10DD23	L110DD096	691798	92021		4.0	6.0												
10DD25	L110DD102	691742	92808		2.0	4.0	1.300	1.3	U	24.000	1.3							
10DD25	L110DD103	691742	92808		1.0	2.0												
10DD25	L110DD104	691742	92808		2.0	4.0												
10DD25	L110DD105	691742	92808		4.0	6.0												
10DD26	L110DD106	691759	92856		0.0	1.0	0.180	0.63		30.000	1.3							
10DD26	L110DD107	691759	92856		1.0	2.0												
10DD26	L110DD108	691759	92856		2.0	4.0												
10DD26	L110DD109	691759	92856		4.0	6.0												
10DD27	L110DD110	691918	91943		0.0	1.0	1.300	1.3	U	13.000	1.3							
10DD27	L110DD111	691918	91943		1.0	2.0												
10DD27	L110DD112	691918	91943		2.0	4.0												
10DD27	L110DD113	691918	91943		4.0	6.0												
10DD28	L110DD115	691840	91886		1.0	2.0												
10DD28	L110DD116	691840	91886		2.0	4.0												
10DD28	L110DD117	691840	91886		4.0	6.0												
10DD29	L110DD131	691632	93305		0.0	1.0	0.130	0.63		15.000	1.3							

Table B-2-4. TNA Post-Excavation Soil Characterization Data Remaining for Metals at Line 1 :

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Cadmium			Chromium ^a			Cobalt			Copper		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^b :							1,000	---	---	10,000	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^b :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^c:							980	---	---	630	---	---	350	---	---	47,000	---	---
<i>Eco CC^d:</i>							<i>77.4</i>	---	---	---	---	---	<i>743</i>	---	---	<i>2,445</i>	---	---
10DD29	L110DD132	691632	93305		1.0	2.0												
10DD29	L110DD133	691632	93305		2.0	4.0												
10DD29	L110DD134	691632	93305		4.0	6.0												
Maximum Reported Concentration (Detects and Non-Detects):							5.800	---		270.000	---		---	---	---	---	---	---
Maximum Detected Concentration:							5.800	---		270.000	---		---	---	---	---	---	---
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0):							0	---	---	0	---	---	---	---	---	---	---	---
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection):							---	---	---	---	---	---	---	---	---	---	---	---
Number of Sample Results Greater than USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0):							0	---	---	0	---	---	0	---	---	0	---	---
Number of Sample Results Greater than Eco CC:							0	---	---	---	---	---	0	---	---	0	---	---

^a The IAAAP OU-1 ROD RG and RSL (USEPA 2018a) for industrial soil are presented for chromium are for hexavalent chromium.

^b Gray-shaded concentrations exceed the corresponding IAAAP OU-1 ROD RGs protective of an industrial worker ingesting soil (USACE 1998a).

^c Concentrations in **bold** exceed the corresponding RSLs (USEPA 2017) protective of an industrial worker exposed to soil via ingestion, dermal contact, and dust inhalation.

^d Concentrations in *italics* exceed the corresponding Eco CCs calculated for Line 1.

Notes:

"--" Indicates that there is no comparison value available.

All results and comparison values are in mg/kg.

NA - Maximum detected result is not available because all results reported for the parameter are non-detect.

VQ symbols indicate: “=” positive identification, positive quantitation, no reason to estimate,

“U” non-detect, no reason to estimate, “J” positive identification, estimated quantitation,

“UJ” analyte was not detected and had QC deficiencies.

Table B-2-4. TNA Post-Excavation Soil Characterization Data Remaining for Metals at Line 1 :

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Lead			Manganese			Mercury			Nickel			
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^b :							1,000	---	---	---	---	---	---	---	---	---	---	---	
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^b :							---	---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^c:							800	---	---	26,000	---	---	46	---	---	22,000	---	---	
<i>Eco CC^d:</i>							<i>11,706</i>	---	---	<i>21,987</i>	---	---	<i>1.86</i>	---	---	<i>3,097</i>	---	---	
100101	L1101001	691685	93330		0.0	1.0	15.000	0.74				0.034	0.12						
100101	L1101002	691685	93330		1.0	2.0													
100101	L1101003	691685	93330		2.0	4.0													
100101	L1101004	691685	93330		4.0	6.0													
100102	L1101005	691685	93369		0.0	1.0	14.000	0.39				0.020	0.13						
100102	L1101006	691685	93369		1.0	2.0													
100102	L1101007	691685	93369		2.0	4.0													
100102	L1101008	691685	93369		4.0	6.0													
100103	L1101009	691723	93308		0.0	1.0	4.300	1.6				0.003	0.11						
100103	L1101010	691723	93308		1.0	2.0													
100103	L1101011	691723	93308		2.0	4.0													
100103	L1101012	691723	93308		4.0	6.0													
100201	L1102001	691824	93116		1.0	2.0													
100201	L1102002	691824	93116		2.0	4.0													
100202	L1102003	691834	93110		1.0	2.0													
100202	L1102004	691834	93110		2.0	4.0													
100203	L1102005	691839	93129		1.0	2.0													
100203	L1102006	691839	93129		2.0	4.0													
100204	L1102007	691851	93109		1.0	2.0													
100204	L1102008	691851	93109		2.0	4.0													
100205	L1102009	691838	93090		1.0	2.0													
100205	L1102010	691838	93090		2.0	4.0													
100205	L1102011	691838	93090		2.0	4.0													
100206	L1102012	691842	93123		1.0	2.0													
100206	L1102013	691842	93123		2.0	4.0													
100302	L1103005	691754	93117		0.0	1.0	10.000	0.4				0.041	0.13						
100302	L1103006	691754	93117		1.0	2.0													
100302	L1103007	691754	93117		2.0	4.0													
100302	L1103008	691754	93117		4.0	6.0													
100303	L1103009	691803	93111		0.0	1.0	250.000	0.7				1.700	0.12						
100303	L1103010	691803	93111		1.0	2.0													
100303	L1103011	691803	93111		2.0	4.0													
100303	L1103012	691803	93111		4.0	6.0													
100304	L1103013	691776	93096		0.0	1.0	14.000	0.3				0.023	0.1						
100304	L1103014	691776	93096		1.0	2.0													
100304	L1103015	691776	93096		2.0	4.0													
100304	L1103016	691776	93096		2.0	4.0													

Table B-2-4. TNA Post-Excavation Soil Characterization Data Remaining for Metals at Line 1 :

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Lead			Manganese			Mercury			Nickel		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^b :							1,000	---	---	---	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^b :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^c :							800	---	---	26,000	---	---	46	---	---	22,000	---	---
<i>Eco CC</i> ^d :							<i>11,706</i>	---	---	<i>21,987</i>	---	---	<i>1.86</i>	---	---	<i>3,097</i>	---	---
100304	L1103017	691776	93096		4.0	6.0												
100305	L1103018	692112	92187		0.0	1.0	9.700	0.74				0.017	0.12					
100305	L1103019	692112	92187		1.0	2.0												
100305	L1103020	692112	92187		2.0	4.0												
100305	L1103021	692112	92187		4.0	6.0												
100401	L1104001	691772	93135		0.0	1.0	12.000	0.39				0.110	0.13					
100401	L1104002	691772	93135		1.0	2.0												
100401	L1104003	691772	93135		2.0	4.0												
100401	L1104004	691772	93135		4.0	6.0												
100402	L1104005	691742	93216		0.0	1.0	62.000	0.37				0.098	0.12					
100402	L1104006	691742	93216		1.0	2.0												
100402	L1104007	691742	93216		2.0	4.0												
100402	L1104008	691742	93216		4.0	6.0												
100403	L1104009	691792	93152		0.0	1.0	17.000	0.37				0.055	0.12					
100403	L1104010	691792	93152		1.0	2.0												
100403	L1104011	691792	93152		2.0	4.0												
100403	L1104012	691792	93152		4.0	6.0												
100404	L1104013	691796	93140		0.0	1.0	17.000	0.37				0.030	0.12					
100404	L1104014	691796	93140		1.0	2.0												
100404	L1104015	691796	93140		2.0	4.0												
100404	L1104016	691796	93140		4.0	6.0												
100501	L1105001	691921	92838		0.0	1.0	210.000	0.37				0.047	0.12					
100501	L1105002	691921	92838		1.0	2.0												
100501	L1105003	691921	92838		2.0	4.0												
100501	L1105004	691921	92838		4.0	6.0												
100502	L1105005	691921	92844		0.0	1.0	18.000	0.39				0.032	0.13					
100502	L1105006	691921	92844		1.0	2.0												
100502	L1105007	691921	92844		1.0	2.0												
100502	L1105008	691921	92844		2.0	4.0												
100502	L1105009	691921	92844		4.0	6.0												
100503	L1105010	691915	92797		0.0	1.0	300.000	0.37				0.760	0.52					
100503	L1105011	691915	92797		1.0	2.0												
100503	L1105012	691915	92797		2.0	4.0												
100503	L1105013	691915	92797		4.0	6.0												
100504	L1105014	691932	92802		0.0	1.0	170.000	0.39				0.130	0.13	U				
100504	L1105015	691932	92802		1.0	2.0												
100504	L1105016	691932	92802		2.0	4.0												

Table B-2-4. TNA Post-Excavation Soil Characterization Data Remaining for Metals at Line 1 :

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Lead			Manganese			Mercury			Nickel		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^b :							1,000	---	---	---	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^b :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^c :							800	---	---	26,000	---	---	46	---	---	22,000	---	---
<i>Eco CC</i> ^d :							<i>11,706</i>	---	---	<i>21,987</i>	---	---	<i>1.86</i>	---	---	<i>3,097</i>	---	---
100504	L1105017	691932	92802		4.0	6.0												
100505	L1105018	691911	92799		0.0	1.0	30.000	0.37				0.520	0.52	U				
100505	L1105019	691911	92799		1.0	2.0												
100505	L1105020	691911	92799		2.0	4.0												
100505	L1105021	691911	92799		4.0	6.0												
100506	L1105022	691896	92792		1.0	2.0												
100506	L1105023	691896	92792		2.0	4.0												
100506	L1105024	691896	92792		4.0	6.0												
100509	L1105035	691899	92831		0.0	1.0	26.000	0.37				0.040	0.12					
100509	L1105036	691899	92831		1.0	2.0												
100509	L1105037	691899	92831		2.0	4.0												
100509	L1105038	691899	92831		4.0	6.0												
100510	L1105055	691886	92945		0.0	1.0	34.000	0.39				0.039	0.13					
100510	L1105056	691886	92945		1.0	2.0	28.000	0.75				0.024	0.12					
100510	L1105057	691886	92945		2.0	4.0												
100510	L1105058	691886	92945		4.0	6.0												
100511	L1105059	691877	92995		1.0	2.0												
100511	L1105060	691877	92995		2.0	4.0												
100511	L1105061	691877	92995		2.0	4.0												
100511	L1105062	691877	92995		4.0	6.0												
100512	L1105063	691842	92972		1.0	2.0												
100512	L1105064	691842	92972		2.0	4.0												
100512	L1105065	691842	92972		4.0	6.0												
100513	L1105066	691845	92995		1.0	2.0												
100513	L1105067	691845	92995		2.0	4.0												
100513	L1105068	691845	92995		2.0	4.0												
100514	L1105069	691849	92986		1.0	2.0												
100514	L1105070	691849	92986		2.0	4.0												
100514	L1105071	691849	92986		4.0	5.0												
100517	L1105079	691867	93001		0.0	1.0	170.000	0.76				0.160	0.13					
100517	L1105080	691867	93001		1.0	2.0												
100517	L1105081	691867	93001		2.0	4.0												
100517	L1105082	691867	93001		4.0	6.0												
100519	L1105088	691864	92940		0.0	1.0	190.000	0.37				0.039	0.12					
100519	L1105089	691864	92940		1.0	2.0												
100519	L1105090	691864	92940		2.0	4.0												
100519	L1105091	691864	92940		4.0	6.0												

Table B-2-4. TNA Post-Excavation Soil Characterization Data Remaining for Metals at Line 1 :

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Lead			Manganese			Mercury			Nickel		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^b :							1,000	---	---	---	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^b :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^c:							800	---	---	26,000	---	---	46	---	---	22,000	---	---
<i>Eco CC^d:</i>							<i>11,706</i>	---	---	<i>21,987</i>	---	---	<i>1.86</i>	---	---	<i>3,097</i>	---	---
100521	L1105096	691911	92849		0.0	1.0	28.000	0.37				0.045	0.12					
100521	L1105097	691911	92849		1.0	2.0												
100521	L1105098	691911	92849		2.0	4.0												
100521	L1105099	691911	92849		4.0	6.0												
100601	L1106001	691750	92646		0.0	1.0	59.000	1.2				0.050	0.14					
100601	L1106002	691750	92646		1.0	2.0												
100601	L1106003	691750	92646		2.0	4.0												
100601	L1106004	691750	92646		2.0	4.0												
100601	L1106005	691750	92646		4.0	6.0												
100602	L1106006	691739	92639		0.0	1.0	37.000	3.3				0.018	0.11					
100602	L1106007	691739	92639		1.0	2.0												
100602	L1106008	691739	92639		2.0	4.0												
100602	L1106009	691739	92639		4.0	6.0												
100603	L1106010	691621	93000		0.0	1.0	21.000	3.2				0.006	0.11					
100603	L1106011	691621	93000		1.0	2.0												
100603	L1106012	691621	93000		2.0	4.0												
100603	L1106013	691621	93000		4.0	6.0												
100604	L1106014	691632	93007		0.0	1.0	550.000	0.85				0.080	0.14					
100604	L1106015	691632	93007		1.0	2.0												
100604	L1106016	691632	93007		2.0	4.0												
100604	L1106017	691632	93007		4.0	6.0												
100701	L1107001	692002	92830		0.0	1.0	10.000	0.73				0.033	0.12					
100701	L1107002	692002	92830		1.0	2.0												
100701	L1107003	692002	92830		2.0	4.0												
100702	L1107005	692023	92845		0.0	1.0	14.000	0.38				0.039	0.13					
100702	L1107006	692023	92845		1.0	2.0												
100702	L1107007	692023	92845		2.0	4.0												
100702	L1107008	692023	92845		4.0	6.0												
100703	L1107009	692034	92800		0.0	1.0	13.000	0.37				0.035	0.12					
100703	L1107010	692034	92800		1.0	2.0												
100703	L1107011	692034	92800		2.0	4.0												
100703	L1107012	692034	92800		4.0	6.0												
100801	L1108001	691700	92779		0.0	1.0	16.000	0.39				0.034	0.13					
100801	L1108002	691700	92779		1.0	2.0												
100801	L1108003	691700	92779		2.0	4.0												
100801	L1108004	691700	92779		2.0	4.0												
100801	L1108005	691700	92779		4.0	6.0												

Table B-2-4. TNA Post-Excavation Soil Characterization Data Remaining for Metals at Line 1 :

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Lead			Manganese			Mercury			Nickel		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^b :							1,000	---	---	---	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^b :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^c :							800	---	---	26,000	---	---	46	---	---	22,000	---	---
<i>Eco CC</i> ^d :							<i>11,706</i>	---	---	<i>21,987</i>	---	---	<i>1.86</i>	---	---	<i>3,097</i>	---	---
100802	L1108006	691723	92706		0.0	1.0	16.000	0.4				0.021	0.13					
100802	L1108006A	691723	92706		0.0	1.0	160.000	0.75				0.028	0.13					
100802	L1108007	691723	92706		1.0	2.0												
100802	L1108007A	691723	92706		1.0	2.0												
100802	L1108008	691723	92706		2.0	4.0												
100802	L1108008A	691723	92706		2.0	4.0												
100802	L1108009	691723	92706		4.0	6.0												
100802	L1108009A	691723	92706		4.0	6.0												
100803	L1108010	691715	92725		0.0	1.0	47.000	0.38				0.027	0.13					
100803	L1108011	691715	92725		1.0	2.0												
100803	L1108012	691715	92725		2.0	4.0												
100803	L1108013	691715	92725		4.0	6.0												
100805	L1108018	691709	92730		0.0	1.0	260.000	0.79				0.003	0.13					
100805	L1108019	691709	92730		1.0	2.0												
100805	L1108020	691709	92730		2.0	4.0												
100805	L1108021	691709	92730		4.0	6.0												
101001	L1110001	691959	92688		0.0	1.0												
101001	L1110002	691959	92688		1.0	2.0												
101001	L1110003	691959	92688		2.0	4.0												
101001	L1110004	691959	92688		4.0	6.0												
101004	L1110016	691978	92653		0.0	1.0	36.000	0.75				0.053	0.13					
101004	L1110017	691978	92653		1.0	2.0												
101004	L1110018	691978	92653		2.0	4.0												
101004	L1110019	691978	92653		4.0	6.0												
101005	L1110037	691993	92609		0.0	1.0	39.000	0.42				0.042	0.14					
101005	L1110038	691993	92609		1.0	2.0												
101005	L1110039	691993	92609		2.0	4.0												
101005	L1110040	691993	92609		4.0	6.0												
101006	L1110025	691952	92623		0.0	1.0	17.000	0.38				0.042	0.13					
101006	L1110026	691952	92623		1.0	2.0												
101006	L1110027	691952	92623		2.0	4.0												
101006	L1110028	691952	92623		4.0	5.0												
101007	L1110029	691971	92576		0.0	1.0	34.000	0.77				0.130	0.13	U				
101007	L1110030	691971	92576		1.0	2.0												
101008	L1110033	691999	92585		0.0	1.0	24.000	1.1				0.030	0.13					
101008	L1110034	691999	92585		1.0	2.0												
101008	L1110035	691999	92585		2.0	4.0												

Table B-2-4. TNA Post-Excavation Soil Characterization Data Remaining for Metals at Line 1 :

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Lead			Manganese			Mercury			Nickel		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^b :							1,000	---	---	---	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^b :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^c :							800	---	---	26,000	---	---	46	---	---	22,000	---	---
<i>Eco CC</i> ^d :							<i>11,706</i>	---	---	<i>21,987</i>	---	---	<i>1.86</i>	---	---	<i>3,097</i>	---	---
101008	L1110036	691999	92585		4.0	6.0												
101009	L1110021	691999	92618		0.0	1.0	18.000	0.39				0.039	0.13					
101009	L1110022	691999	92618		1.0	2.0												
101009	L1110023	691999	92618		2.0	4.0												
101009	L1110024	691999	92618		4.0	6.0												
101101	L1111001	691809	93287		0.0	1.0	38.000	0.39				0.083	0.13					
101101	L1111002	691809	93287		1.0	2.0												
101101	L1111003	691809	93287		2.0	4.0												
101101	L1111004	691809	93287		4.0	6.0												
101102	L1111005	691832	93269		0.0	1.0												
101102	L1111006	691832	93269		2.0	4.0												
101103	L1111007	691812	93314		0.0	1.0	25.000	0.4				0.046	0.13					
101103	L1111008	691812	93314		1.0	2.0												
101103	L1111009	691812	93314		2.0	4.0												
101103	L1111010	691812	93314		4.0	6.0												
101104	L1111011	691845	93331		0.0	1.0	68.000	0.36				0.090	0.12					
101104	L1111012	691845	93331		1.0	2.0												
101104	L1111013	691845	93331		2.0	4.0												
101104	L1111014	691845	93331		4.0	6.0												
101105	L1111015	691894	93311		0.0	1.0	16.000	0.37				0.013	0.12					
101105	L1111016	691894	93311		1.0	2.0												
101105	L1111017	691894	93311		2.0	4.0												
101105	L1111018	691894	93311		4.0	6.0												
101106	L1111019	691911	93281		0.0	1.0	11.000	0.39				0.017	0.13					
101106	L1111020	691911	93281		1.0	2.0												
101106	L1111022	691911	93281		2.0	4.0												
101106	L1111023	691911	93281		4.0	6.0												
101107	L1111024	691838	93244		0.0	1.0	75.000	0.78				0.110	0.13					
101107	L1111025	691838	93244		1.0	2.0												
101107	L1111026	691838	93244		2.0	4.0												
101107	L1111027	691838	93244		4.0	6.0												
101201	L1112001	692036	92381		1.0	2.0												
101201	L1112001A	692036	92381		0.0	1.0	38.000	0.38				0.045	0.13					
101201	L1112002	692036	92381		1.0	2.0												
101201	L1112003	692036	92381		2.0	4.0												
101201	L1112004	692036	92381		4.0	6.0												
101204	L1112011A	692080	92344		0.0	1.0	14.000	0.37				0.068	0.12					

Table B-2-4. TNA Post-Excavation Soil Characterization Data Remaining for Metals at Line 1 :

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Lead			Manganese			Mercury			Nickel		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^b :							1,000	---	---	---	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^b :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^c :							800	---	---	26,000	---	---	46	---	---	22,000	---	---
<i>Eco CC</i> ^d :							<i>11,706</i>	---	---	<i>21,987</i>	---	---	<i>1.86</i>	---	---	<i>3,097</i>	---	---
101204	L1112012	692080	92344		2.0	4.0												
101204	L1112013	692080	92344		4.0	6.0												
101205	L1112014	692105	92261		1.0	2.0												
101205	L1112014A	692105	92261		0.0	1.0	16.000	3.6				0.016	0.12					
101205	L1112015	692105	92261		2.0	4.0												
101205	L1112016	692105	92261		4.0	6.0												
101206	L1112017	692086	92238		1.0	2.0												
101206	L1112017A	692086	92238		0.0	1.0	35.000	0.39				0.067	0.13					
101206	L1112018	692086	92238		2.0	4.0												
101206	L1112019	692086	92238		4.0	6.0												
101207	L1112020	692050	92340		1.0	2.0												
101207	L1112020A	692050	92340		0.0	1.0	22.000	0.39				0.039	0.13					
101207	L1112021	692050	92340		2.0	4.0												
101207	L1112022	692050	92340		4.0	6.0												
101208	L1112023	692041	92462		0.0	1.0	140.000	0.78				0.058	0.13					
101208	L1112024	692041	92462		1.0	2.0												
101208	L1112025	692041	92462		1.0	2.0												
101208	L1112026	692041	92462		2.0	4.0												
101208	L1112027	692041	92462		4.0	6.0												
101209	L1112028	692063	92389		0.0	1.0	33.000	0.33				0.049	0.11					
101209	L1112029	692063	92389		1.0	2.0												
101209	L1112030	692063	92389		2.0	4.0												
101209	L1112031	692063	92389		4.0	6.0												
101210	L1112033	692085	92323		1.0	2.0												
101210	L1112034	692085	92323		2.0	4.0												
101210	L1112036	692085	92323		4.0	6.0												
101210	L111232	692085	92323		0.0	1.0	22.000	0.39				0.080	0.13					
101211	L1112037	692098	92292		0.0	1.0	28.000	0.37				0.200	0.12					
101211	L1112038	692098	92292		1.0	2.0												
101211	L1112039	692098	92292		2.0	4.0												
101211	L1112040	692098	92292		4.0	6.0												
101212	L1112041	692076	92256		0.0	1.0	22.000	0.38				0.049	0.13					
101212	L1112042	692076	92256		1.0	2.0												
101212	L1112043	692076	92256		2.0	4.0												
101212	L1112044	692076	92256		4.0	6.0												
101213	L1112045	692055	92294		0.0	1.0	20.000	0.37				0.041	0.12					
101213	L1112046	692055	92294		1.0	2.0												

Table B-2-4. TNA Post-Excavation Soil Characterization Data Remaining for Metals at Line 1 :

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Lead			Manganese			Mercury			Nickel		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^b :							1,000	---	---	---	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^b :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^c :							800	---	---	26,000	---	---	46	---	---	22,000	---	---
<i>Eco CC</i> ^d :							<i>11,706</i>	---	---	<i>21,987</i>	---	---	<i>1.86</i>	---	---	<i>3,097</i>	---	---
101213	L1112047	692055	92294		2.0	4.0												
101213	L1112048	692055	92294		2.0	4.0												
101213	L1112049	692055	92294		4.0	6.0												
101301	L1113001	691873	92319		0.0	1.0	22.000	0.37				0.120	0.12	U				
101301	L1113002	691873	92319		1.0	2.0												
101301	L1113003	691873	92319		2.0	4.0												
101301	L1113004	691873	92319		4.0	6.0												
101302	L1113006	691868	92338		0.0	1.0	20.000	0.75				0.130	0.13	U				
101302	L1113007	691868	92338		1.0	2.0												
101302	L1113008	691868	92338		2.0	4.0												
101302	L1113009	691868	92338		4.0	6.0												
101303	L1113010	691845	92407		0.0	1.0	10.000	0.37				0.120	0.12	U				
101303	L1113011	691845	92407		1.0	2.0												
101303	L1113012	691845	92407		2.0	4.0												
101303	L1113013	691845	92407		4.0	6.0												
101304	L1113014	691870	92409		2.0	4.0	18.000	0.74				0.550	0.12					
101304	L1113015	691870	92409		1.0	2.0												
101304	L1113016	691870	92409		2.0	4.0												
101304	L1113017	691870	92409		4.0	6.0												
101305	L1113018	691882	92387		0.0	1.0	17.000	0.38				0.130	0.13	U				
101305	L1113019	691882	92387		1.0	2.0												
101305	L1113020	691882	92387		2.0	4.0												
101305	L1113021	691882	92387		4.0	6.0												
101306	L1113024	691889	94486		1.0	2.0												
101307	L1113023	691900	92319		1.0	2.0												
101307	L1113027	691900	92319		0.0	1.0	43.000	0.38				1.400	0.63					
101307	L1113028	691900	92319		1.0	2.0												
101308	L11130035	691875	92309		4.0	6.0												
101308	L1113031	691875	92309		0.0	1.0	16.000	0.37				0.120	0.12	U				
101308	L1113032	691875	92309		1.0	2.0												
101308	L1113033	691875	92309		2.0	4.0												
101308	L1113034	691875	92309		2.0	4.0												
101309	L1113036	691881	92297		0.0	1.0	13.000	0.37				0.120	0.12	U				
101309	L1113037	691881	92297		1.0	2.0												
101309	L1113038	691881	92297		2.0	4.0												
101309	L1113039	691881	92297		4.0	6.0												
101401	L1114001	691797	92489		0.0	1.0	15.000	0.39				0.036	0.13					

Table B-2-4. TNA Post-Excavation Soil Characterization Data Remaining for Metals at Line 1 :

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Lead			Manganese			Mercury			Nickel		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^b :							1,000	---	---	---	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^b :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^c :							800	---	---	26,000	---	---	46	---	---	22,000	---	---
<i>Eco CC</i> ^d :							<i>11,706</i>	---	---	<i>21,987</i>	---	---	<i>1.86</i>	---	---	<i>3,097</i>	---	---
101401	L1114002	691797	92489		1.0	2.0												
101401	L1114003	691797	92489		2.0	4.0												
101401	L1114004	691797	92489		4.0	6.0												
101402	L1114005	691814	92487		0.0	1.0	720.000	0.38				3.900	0.25					
101402	L1114006	691814	92487		1.0	2.0												
101402	L1114007	691814	92487		2.0	4.0												
101402	L1114008	691814	92487		4.0	6.0												
101501	L1115001	691936	92124		0.0	1.0	28.000	0.8				0.035	0.13					
101501	L1115002	691936	92124		1.0	2.0												
101501	L1115003	691936	92124		2.0	4.0												
101501	L1115004	691936	92124		4.0	6.0												
101502	L1115005	691916	92117		0.0	1.0	110.000	0.78				0.047	0.13					
101502	L1115006	691916	92117		1.0	2.0												
101502	L1115007	691916	92117		2.0	4.0												
101502	L1115008	691916	92117		4.0	6.0												
101503	L1115009	691925	92088		0.0	1.0	11.000	0.79				0.051	0.13					
101503	L1115010	691925	92088		1.0	2.0												
101503	L1115011	691925	92088		2.0	4.0												
101503	L1115012	691925	92088		4.0	6.0												
101504	L1115014	691931	92075		0.0	1.0	140.000	0.71				0.100	0.12					
101504	L1115015	691931	92075		1.0	2.0												
101504	L1115016	691931	92075		2.0	4.0												
101504	L1115017	691931	92075		4.0	6.0												
101505	L1115018	691943	92106		0.0	1.0	28.000	0.39				0.023	0.13					
101505	L1115019	691943	92106		1.0	2.0												
101505	L1115020	691943	92106		2.0	4.0												
101505	L1115021	691943	92106		4.0	6.0												
101506	L1115022	691950	92080		0.0	1.0	16.000	0.39				0.033	0.13					
101506	L1115023	691950	92080		1.0	2.0												
101506	L1115024	691950	92080		2.0	4.0												
101506	L1115025	691950	92080		4.0	6.0												
101601	L1116001	692018	92532		1.0	2.0												
101602	L1116002	692025	92510		1.0	2.0												
101604	L1116005	692012	92535		1.0	2.0												
101605	L1116006	692003	92526		1.0	2.0												
101605	L1116007	692003	92526		1.0	2.0												
101901	L1119001	691756	92245		0.0	1.0	39.000	0.79				0.092	0.13					

Table B-2-4. TNA Post-Excavation Soil Characterization Data Remaining for Metals at Line 1 :

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Lead			Manganese			Mercury			Nickel		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^b :							1,000	---	---	---	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^b :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^c :							800	---	---	26,000	---	---	46	---	---	22,000	---	---
<i>Eco CC</i> ^d :							<i>11,706</i>	---	---	<i>21,987</i>	---	---	<i>1.86</i>	---	---	<i>3,097</i>	---	---
101901	L1119002	691756	92245		1.0	2.0												
101901	L1119003	691756	92245		2.0	4.0												
101901	L1119004	691756	92245		4.0	6.0												
101902	L1119005	691701	92291		0.0	1.0	20.000	0.38				0.029	0.13					
101902	L1119006	691701	92291		1.0	2.0												
101902	L1119007	691701	92291		2.0	4.0												
101902	L1119008	691701	92291		4.0	6.0												
101903	L1119011	691682	92349		0.0	1.0	13.000	0.39				0.079	0.13					
101903	L1119012	691682	92349		1.0	2.0												
101903	L1119013	691682	92349		2.0	4.0												
101903	L1119014	691682	92349		4.0	6.0												
101904	L1119015	691752	92256		0.0	1.0	14.000	0.79				0.045	0.13					
101904	L1119016	691752	92256		1.0	2.0												
101904	L1119017	691752	92256		2.0	4.0												
101904	L1119018	691752	92256		4.0	6.0												
101905	L1119019	691756	92280		0.0	1.0	19.000	0.78				0.130	0.13	U				
101905	L1119020	691756	92280		1.0	2.0												
101905	L1119021	691756	92280		2.0	4.0												
101905	L1119022	691756	92280		4.0	6.0												
103601	L1136001	691816	93159		0.0	1.0	32.000	0.37				0.022	0.12					
103601	L1136002	691816	93159		1.0	2.0												
103601	L1136003	691816	93159		2.0	4.0												
103602	L1136004	691819	93152		0.0	1.0	30.000	0.67				0.023	0.11					
103602	L1136005	691819	93152		1.0	2.0												
103602	L1136006	691819	93152		2.0	4.0												
103603	L1136007	691811	93151		0.0	1.0	17.000	0.42				0.021	0.14					
103603	L1136008	691811	93151		1.0	2.0												
103603	L1136009	691811	93151		2.0	4.0												
104001	L1140001	691989	92970		0.0	1.0	11.000	0.36				0.031	0.12					
104001	L1140002	691989	92970		1.0	2.0												
104001	L1140003	691989	92970		2.0	4.0												
104001	L1140004	691989	92970		4.0	6.0												
104002	L1140005	691966	92968		0.0	1.0	14.000	0.4				0.035	0.13					
104002	L1140007	691966	92968		1.0	2.0												
104002	L1140008	691966	92968		2.0	4.0												
104002	L1140009	691966	92968		4.0	6.0												
104003	L1140010	692020	92953		0.0	1.0	16.000	0.39				0.040	0.13					

Table B-2-4. TNA Post-Excavation Soil Characterization Data Remaining for Metals at Line 1 :

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Lead			Manganese			Mercury			Nickel		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^b :							1,000	---	---	---	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^b :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^c :							800	---	---	26,000	---	---	46	---	---	22,000	---	---
<i>Eco CC</i> ^d :							<i>11,706</i>	---	---	<i>21,987</i>	---	---	<i>1.86</i>	---	---	<i>3,097</i>	---	---
104003	L1140011	692020	92953		0.0	1.0												
104003	L1140013	692020	92953		2.0	4.0												
104003	L1140014	692020	92953		4.0	6.0												
104004	L1140015	691950	92925		0.0	1.0	11.000	0.76				0.031	0.13					
104004	L1140016	691950	92925		1.0	2.0												
104004	L1140017	691950	92925		2.0	4.0												
104004	L1140018	691950	92925		4.0	6.0												
104005	L1140006	692034	92912		2.0	4.0												
104005	L1140020	692034	92912		0.0	1.0	22.000	0.4				0.044	0.13					
104005	L1140021	692034	92912		1.0	2.0												
104005	L1140022	692034	92912		2.0	4.0												
104005	L1140023	692034	92912		4.0	6.0												
104006	L1140024	692023	92873		0.0	1.0	17.000	0.38				0.021	0.13					
104006	L1140025	692023	92873		1.0	2.0												
104006	L1140026	692023	92873		2.0	4.0												
104006	L1140027	692023	92873		4.0	6.0												
104007	L1140028	691983	92874		0.0	1.0	16.000	0.36				0.032	0.12					
104007	L1140029	691983	92874		1.0	2.0												
104007	L1140030	691983	92874		2.0	4.0												
105001	L1150001	691709	92844		1.0	2.0												
105001	L1150002	691709	92844		2.0	4.0												
105001	L1150003	691709	92844		4.0	6.0												
105003	L1150007	691689	92828		0.0	1.0	8.600	0.38				0.020	0.13					
105003	L1150008	691689	92828		1.0	2.0												
105003	L1150009	691689	92828		2.0	4.0												
105003	L1150010	691689	92828		4.0	6.0												
105004	L1150011	691716	92826		0.0	1.0	14.000	0.38				0.290	0.5					
105004	L1150012	691716	92826		1.0	2.0												
105004	L1150013	691716	92826		2.0	4.0												
105004	L1150014	691716	92826		4.0	6.0												
105301	L1153001	692136	92161		1.0	2.0												
105301	L1153001A	692136	92161		0.0	1.0	26.000	0.76				0.037	0.13					
105301	L1153003	692136	92161		2.0	4.0												
105301	L1153004	692136	92161		4.0	6.0												
105302	L1153002	692145	92145		0.0	1.0	13.000	0.37				0.029	0.12					
105302	L1153005	692145	92145		1.0	2.0												
105302	L1153005A	692145	92145		0.0	1.0	18.000	0.75				0.034	0.13					

Table B-2-4. TNA Post-Excavation Soil Characterization Data Remaining for Metals at Line 1 :

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Lead			Manganese			Mercury			Nickel			
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^b :							1,000	---	---	---	---	---	---	---	---	---	---	---	
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^b :							---	---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^c :							800	---	---	26,000	---	---	46	---	---	22,000	---	---	
<i>Eco CC</i> ^d :							<i>11,706</i>	---	---	<i>21,987</i>	---	---	<i>1.86</i>	---	---	<i>3,097</i>	---	---	
105302	L1153006	692145	92145		2.0	4.0													
105302	L1153007	692145	92145		4.0	6.0													
105303	L1153008	692108	92140		1.0	2.0													
105303	L1153008A	692108	92140		0.0	1.0	9.800	0.37				0.120	0.12	U					
105303	L1153009	692108	92140		2.0	4.0													
105303	L1153010	692108	92140		4.0	6.0													
106002	L1160006	691662	92877		0.0	1.0	23.000	0.36				0.200	0.12						
106002	L1160007	691662	92877		1.0	2.0													
106002	L1160008	691662	92877		2.0	4.0													
106002	L1160009	691662	92877		4.0	6.0													
106003	L1160010	691680	92888		0.0	1.0	170.000	3.3				0.057	0.11						
106003	L1160011	691680	92888		1.0	2.0													
106003	L1160012	691680	92888		2.0	4.0													
106003	L1160013	691680	92888		4.0	6.0													
106003	L1160014	691680	92888		4.0	6.0													
106004	L1160015	691680	92900		0.0	1.0	20.000	0.38				0.027	0.13						
106004	L1160016	691680	92900		1.0	2.0													
106004	L1160017	691680	92900		2.0	4.0													
106004	L1160019	691680	92900		4.0	6.0													
106101	L1161001	691947	93086		0.0	1.0	20.000	0.35				0.118	0.118	U					
106101	L1161002	691947	93086		1.0	2.0													
106101	L1161003	691947	93086		2.0	4.0													
106101	L1161004	691947	93086		4.0	6.0													
106102	L1161005	691909	93057		0.0	1.0	23.000	0.81				0.033	0.13						
106102	L1161006	691909	93057		1.0	2.0													
106102	L1161007	691909	93057		1.0	2.0													
106102	L1161008	691909	93057		2.0	4.0													
106102	L1161009	691909	93057		4.0	6.0													
106104	L1161014	691956	93011		0.0	1.0	25.000	0.77				0.035	0.13						
106104	L1161015	691956	93011		1.0	2.0													
106104	L1161016	691956	93011		2.0	4.0													
106104	L1161017	691956	93011		4.0	6.0													
106301	L1163009	692099	92970		0.0	1.0	12.000	0.41				0.089	0.14						
106301	L1163010	692099	92970		1.0	2.0													
106301	L1163011	692099	92970		2.0	4.0													
106301	L1163012	692099	92970		4.0	6.0													
106302	L1163013	692094	92997		0.0	1.0	11.000	0.78				0.037	0.13						

Table B-2-4. TNA Post-Excavation Soil Characterization Data Remaining for Metals at Line 1 :

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Lead			Manganese			Mercury			Nickel		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^b :							1,000	---	---	---	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^b :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^c :							800	---	---	26,000	---	---	46	---	---	22,000	---	---
<i>Eco CC</i> ^d :							<i>11,706</i>	---	---	<i>21,987</i>	---	---	<i>1.86</i>	---	---	<i>3,097</i>	---	---
106302	L1163015	692094	92997		2.0	4.0												
106302	L1163016	692094	92997		4.0	6.0												
106303	L1163017	692099	93024		0.0	1.0	11.000	1.8				0.029	0.12					
106303	L1163018	692099	93024		1.0	2.0												
106303	L1163019	692099	93024		2.0	4.0												
106303	L1163020	692099	93024		4.0	6.0												
106304	L1163021	692101	93040		0.0	1.0	18.000	0.41				0.034	0.14					
106304	L1163022	692101	93040		1.0	2.0												
106304	L1163023	692101	93040		2.0	4.0												
106304	L1163024	692101	93040		4.0	6.0												
106305	L1163025	692073	93131		0.0	1.0	15.000	0.41				0.140	0.14	U				
106305	L1163026	692073	93131		1.0	2.0												
106305	L1163027	692073	93131		1.0	2.0												
106305	L1163028	692073	93131		2.0	4.0												
106305	L1163029	692073	93131		4.0	6.0												
106306	L1163030	692055	93147		0.0	1.0	15.000	0.79				0.130	0.13	U				
106306	L1163031	692055	93147		1.0	2.0												
106306	L1163032	692055	93147		2.0	4.0												
106306	L1163033	692055	93147		4.0	6.0												
106307	L1163034	692088	93113		0.0	1.0	15.000	0.75				0.044	0.12					
106307	L1163035	692088	93113		1.0	2.0												
106307	L1163036	692088	93113		2.0	4.0												
106307	L1163037	692088	93113		4.0	6.0												
106308	L1163038	692094	93102		0.0	1.0	11.000	0.78				0.056	0.13					
106308	L1163039	692094	93102		1.0	2.0												
106308	L1163040	692094	93102		2.0	4.0												
106308	L1163041	692094	93102		4.0	6.0												
106401	L1164001	692022	93174		0.0	1.0	6.800	3.9				0.130	0.13	U				
106401	L1164002	692022	93174		1.0	2.0												
106401	L1164003	692022	93174		2.0	4.0												
106401	L1164004	692022	93174		4.0	6.0												
106401	L1164018	692022	93174		0.0	1.0	5.300	3.7				0.120	0.12	U				
106402	L1164005	692011	93185		0.0	1.0	6.800	3.9				0.130	0.13	U				
106402	L1164006	692011	93185		4.0	6.0												
106402	L1164007	692011	93185		2.0	4.0												
106402	L1164008	692011	93185		4.0	6.0												
106403	L1164009	692000	93195		0.0	1.0	16.000	0.75				0.120	0.12	U				

Table B-2-4. TNA Post-Excavation Soil Characterization Data Remaining for Metals at Line 1 :

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Lead			Manganese			Mercury			Nickel			
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^b :							1,000	---	---	---	---	---	---	---	---	---	---	---	
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^b :							---	---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^c :							800	---	---	26,000	---	---	46	---	---	22,000	---	---	
<i>Eco CC</i> ^d :							<i>11,706</i>	---	---	<i>21,987</i>	---	---	<i>1.86</i>	---	---	<i>3,097</i>	---	---	
106403	L1164010	692000	93195		1.0	2.0													
106403	L1164011	692000	93195		2.0	4.0													
106403	L1164012	692000	93195		4.0	6.0													
106403	L1164013	692000	93195		4.0	6.0													
106404	L1164014	691970	93215		2.0	4.0	17.000	0.39				0.130	0.13	U					
106404	L1164015	691970	93215		1.0	2.0													
106404	L1164016	691970	93215		2.0	4.0													
106404	L1164017	691970	93215		4.0	6.0													
106501	L1165001	692089	92859		0.0	1.0	18.000	3.3				0.024	0.11						
106501	L1165002	692089	92859		1.0	2.0													
106501	L1165003	692089	92859		2.0	4.0													
106501	L1165004	692089	92859		4.0	6.0													
106501	L1165005	692089	92859		4.0	6.0													
106502	L1165006	692086	92848		0.0	1.0	17.000	0.38				0.160	0.13						
106502	L1165007	692086	92848		1.0	2.0													
106502	L1165008	692086	92848		2.0	4.0													
106502	L1165009	692086	92848		4.0	6.0													
106503	L1165010	692175	92980		0.0	1.0	18.000	0.39				0.028	0.13						
106503	L1165011	692175	92980		1.0	2.0													
106503	L1165012	692175	92980		2.0	4.0													
106503	L1165013	692175	92980		4.0	6.0													
106503	L1165030	692175	92980		1.0	2.0													
106504	L1165014	692161	92912		0.0	1.0	17.000	0.38				0.031	0.13						
106504	L1165015	692161	92912		1.0	2.0													
106504	L1165016	692161	92912		2.0	4.0													
106504	L1165017	692161	92912		4.0	6.0													
106505	L1165018	692194	92823		0.0	1.0	21.000	0.38				0.036	0.13						
106505	L1165019	692194	92823		1.0	2.0													
106505	L1165020	692194	92823		2.0	4.0													
106505	L1165021	692194	92823		4.0	6.0													
106506	L1165022	692273	92884		0.0	1.0	26.000	0.79				0.055	0.13						
106506	L1165023	692273	92884		1.0	2.0													
106506	L1165024	692273	92884		2.0	4.0													
106506	L1165025	692273	92884		4.0	6.0													
106507	L1165026	692267	92904		0.0	1.0	13.000	0.73				0.032	0.12						
106507	L1165027	692267	92904		1.0	2.0													
106507	L1165028	692267	92904		2.0	4.0													

Table B-2-4. TNA Post-Excavation Soil Characterization Data Remaining for Metals at Line 1 :

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Lead			Manganese			Mercury			Nickel		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^b :							1,000	---	---	---	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^b :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^c :							800	---	---	26,000	---	---	46	---	---	22,000	---	---
<i>Eco CC</i> ^d :							<i>11,706</i>	---	---	<i>21,987</i>	---	---	<i>1.86</i>	---	---	<i>3,097</i>	---	---
106507	L1165029	692267	92904		4.0	6.0												
106507	L1165031	692267	92904		0.0	1.0	13.000	1.8				0.040	0.12					
106601	L1166001	691723	92395		0.0	1.0	12.000	0.39				0.130	0.13	U				
106601	L1166002	691723	92395		1.0	2.0												
106601	L1166003	691723	92395		2.0	4.0												
106601	L1166004	691723	92395		4.0	6.0												
106602	L1166007	691680	92381		0.0	1.0	22.000	0.5				0.170	0.17	U				
106602	L1166008	691680	92381		1.0	2.0												
106602	L1166009	691680	92381		2.0	4.0												
106602	L1166010	691680	92381		4.0	6.0												
106701	L1167001	691949	93193		0.0	1.0	30.000	0.37				0.394	0.559					
106701	L1167002	691949	93193		1.0	2.0												
106701	L1167003	691949	93193		2.0	4.0												
106701	L1167004	691949	93193		4.0	6.0												
106702	L1167005	691953	93162		0.0	1.0	49.000	0.38				0.450	0.13					
106702	L1167006	691953	93162		1.0	2.0												
106702	L1167007	691953	93162		1.0	2.0												
106702	L1167008	691953	93162		4.0	6.0												
106703	L1167009	691973	93141		0.0	1.0	71.000	0.37				0.124	0.124	U				
106703	L1167010	691973	93141		1.0	2.0												
106703	L1167011	691973	93141		2.0	4.0												
106703	L1167012	691973	93141		4.0	6.0												
107001	L1170001	691981	92458		0.0	1.0	18.000	0.74				0.032	0.12					
107001	L1170002	691981	92458		1.0	2.0												
107001	L1170003	691981	92458		2.0	4.0												
107001	L1170004	691981	92458		4.0	6.0												
107002	L1170005	691961	92498		0.0	1.0	14.000	0.43				0.051	0.14					
107002	L1170006	691961	92498		1.0	2.0												
107002	L1170007	691961	92498		2.0	4.0												
107002	L1170008	691961	92498		4.0	6.0												
107004	L1170014	691976	92478		0.0	1.0	12.000	0.72				0.043	0.12					
107004	L1170015	691976	92478		1.0	2.0												
107004	L1170016	691976	92478		2.0	4.0												
107004	L1170017	691976	92478		4.0	6.0												
107101	L1171001	691874	92664		0.0	1.0	44.000	0.37				0.170	0.12					
107101	L1171002	691874	92664		1.0	2.0												
107101	L1171003	691874	92664		2.0	4.0												

Table B-2-4. TNA Post-Excavation Soil Characterization Data Remaining for Metals at Line 1 :

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Lead			Manganese			Mercury			Nickel		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^b :							1,000	---	---	---	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^b :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^c :							800	---	---	26,000	---	---	46	---	---	22,000	---	---
<i>Eco CC</i> ^d :							<i>11,706</i>	---	---	<i>21,987</i>	---	---	<i>1.86</i>	---	---	<i>3,097</i>	---	---
107101	L1171004	691874	92664		4.0	6.0												
107201	L1172001	691875	92586		0.0	1.0	15.000	0.76				0.054	0.13					
107201	L1172002	691875	92586		1.0	2.0												
107201	L1172003	691875	92586		2.0	4.0												
107201	L1172004	691875	92586		4.0	6.0												
107201	L1172005	691875	92586		4.0	6.0												
107303	L1173009	691882	92517		0.0	1.0	80.000	0.55				1.400	0.18					
107303	L1173010	691882	92517		1.0	2.0												
107303	L1173011	691882	92517		2.0	4.0												
107303	L1173012	691882	92517		4.0	6.0												
107304	L1173013	691895	92491		0.0	1.0	24.000	0.73				0.056	0.12					
107304	L1173014	691895	92491		1.0	2.0												
107304	L1173015	691895	92491		2.0	4.0												
107304	L1173016	691895	92491		4.0	6.0												
107305	L1173017	691925	92475		0.0	1.0	9.500	0.78				0.093	0.13					
107305	L1173018	691925	92475		1.0	2.0												
107305	L1173019	691925	92475		2.0	4.0												
107305	L1173020	691925	92475		4.0	6.0												
107401	L1174001	691962	92425		0.0	1.0	24.000	0.38				0.032	0.13					
107401	L1174002	691962	92425		1.0	2.0												
107401	L1174003	691962	92425		2.0	4.0												
107401	L1174004	691962	92425		4.0	6.0												
107501	L1175001	691970	92319		0.0	1.0	14.000	0.39				0.031	0.13					
107501	L1175002	691970	92319		1.0	2.0												
107501	L1175003	691970	92319		2.0	4.0												
107501	L1175004	691970	92319		4.0	6.0												
107601	L1176001	691995	92243		0.0	1.0	170.000	1.2				0.220	0.13					
107601	L1176002	691995	92243		1.0	2.0												
107601	L1176003	691995	92243		1.0	2.0												
107601	L1176004	691995	92243		2.0	4.0												
107601	L1176005	691995	92243		4.0	6.0												
107701	L1177001	691839	93355		0.0	1.0	21.000	0.41				0.038	0.14					
107701	L1177002	691839	93355		1.0	2.0												
107701	L1177003	691839	93355		2.0	4.0												
107701	L1177004	691839	93355		4.0	6.0												
108501	L1185001	692145	93053		0.0	1.0	33.000	0.36				0.026	0.12					
108501	L1185002	692145	93053		1.0	2.0												

Table B-2-4. TNA Post-Excavation Soil Characterization Data Remaining for Metals at Line 1 :

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Lead			Manganese			Mercury			Nickel		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^b :							1,000	---	---	---	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^b :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^c :							800	---	---	26,000	---	---	46	---	---	22,000	---	---
<i>Eco CC</i> ^d :							<i>11,706</i>	---	---	<i>21,987</i>	---	---	<i>1.86</i>	---	---	<i>3,097</i>	---	---
108501	L1185003	692145	93053		2.0	4.0												
108501	L1185004	692145	93053		4.0	6.0												
108502	L1185005	692193	93114		0.0	1.0	11.000	0.35				0.020	0.12					
108502	L1185006	692193	93114		1.0	2.0												
108502	L1185007	692193	93114		1.0	2.0												
108502	L1185009	692193	93114		4.0	6.0												
110001	L11100001	691889	92747		0.0	1.0	18.000	0.44				0.054	0.15					
110001	L11100002	691889	92747		1.0	2.0												
110001	L11100003	691889	92747		2.0	4.0												
110001	L11100004	691889	92747		2.0	4.0												
110003	L11100009	691958	92733		4.0	6.0												
110003	L11100010	691958	92733		0.0	1.0	44.000	0.36				0.048	0.12					
110003	L11100011	691958	92733		1.0	2.0												
110003	L11100012	691958	92733		1.0	2.0												
110003	L11100013	691958	92733		2.0	4.0												
110003	L11100014	691958	92733		4.0	6.0												
110021	L111002001	691703	92269		0.0	1.0	25.000	0.77				0.038	0.13					
110021	L111002002	691703	92269		0.0	1.0	16.000	0.39				0.034	0.13					
110021	L111002003	691703	92269		1.0	2.0												
110021	L111002004	691703	92269		2.0	4.0												
110021	L111002005	691703	92269		4.0	6.0												
110021	L111002006	691703	92269		4.0	6.0												
112421	L11124001	691974	93402		1.0	2.0												
112421	L11124002	691974	93402		2.0	4.0												
112421	L11124003	691974	93402		4.0	6.0												
112422	L11124004	691977	93392		1.0	2.0												
112422	L11124005	691977	93392		2.0	4.0												
112422	L11124006	691977	93392		4.0	6.0												
112423	L11124007	691956	93454		1.0	2.0												
112423	L11124008	691956	93454		2.0	4.0												
112423	L11124009	691956	93454		4.0	6.0												
112901	L11129001	691933	93378		1.0	2.0												
112901	L11129002	691933	93378		2.0	4.0												
112901	L11129003	691933	93378		4.0	6.0												
112902	L11129004	691961	93373		1.0	2.0												
112902	L11129005	691961	93373		2.0	4.0												
112902	L11129006	691961	93373		2.0	4.0												

Table B-2-4. TNA Post-Excavation Soil Characterization Data Remaining for Metals at Line 1 :

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Lead			Manganese			Mercury			Nickel		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^b :							1,000	---	---	---	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^b :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^c :							800	---	---	26,000	---	---	46	---	---	22,000	---	---
<i>Eco CC</i> ^d :							<i>11,706</i>	---	---	<i>21,987</i>	---	---	<i>1.86</i>	---	---	<i>3,097</i>	---	---
112903	L11129007	691939	93367		1.0	2.0												
112903	L11129008	691939	93367		2.0	4.0												
112903	L11129009	691939	93367		4.0	6.0												
115201	L11152001	691670	93440		1.0	2.0												
115201	L11152002	691670	93440		2.0	4.0												
115202	L11152003	691677	93430		1.0	2.0												
115202	L11152004	691677	93430		2.0	4.0												
115203	L11152005	691655	93409		1.0	2.0												
115203	L11152006	691655	93409		2.0	4.0												
115204	L11152007	691646	93444		1.0	2.0												
115204	L11152008	691646	93444		2.0	4.0												
115205	L11152009	691681	93484		1.0	2.0												
115205	L11152009DL	691681	93484		1.0	2.0												
115205	L11152011	691681	93484		2.0	4.0												
115206	L11152012	691648	93431		1.0	2.0												
115206	L11152013	691648	93431		2.0	4.0												
115207	L11152014	691651	93420		1.0	2.0												
115207	L11152015	691651	93420		2.0	4.0												
115501	L11155001	691829	92890		0.0	1.0	100.000	0.38				0.053	0.13					
115501	L11155002	691829	92890		1.0	2.0												
115501	L11155003	691829	92890		2.0	4.0												
115501	L11155004	691829	92890		4.0	6.0												
115501	L11155005	691829	92890		4.0	6.0												
115502	L11155006	691921	92626		0.0	1.0	190.000	0.74				0.040	0.12					
115502	L11155007	691921	92626		1.0	2.0												
115502	L11155008	691921	92626		2.0	4.0												
115502	L11155009	691921	92626		4.0	6.0												
115503	L11155010	692016	92333		0.0	1.0	33.000	0.37				0.035	0.12					
115503	L11155011	692016	92333		1.0	2.0												
115503	L11155012	692016	92333		2.0	4.0												
116901	L11169001	691798	92297		0.0	1.0												
116901	L11169002	691798	92297		1.0	2.0												
116902	L1169003	691703	93210		0.0	1.0												
116902	L1169004	691703	93210		1.0	2.0												
116903	L11169005	691920	92946		0.0	1.0												
116903	L11169006	691920	92946		1.0	2.0												
116904	L11169007	691946	92866		0.0	1.0												

Table B-2-4. TNA Post-Excavation Soil Characterization Data Remaining for Metals at Line 1 :

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Lead			Manganese			Mercury			Nickel		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^b :							1,000	---	---	---	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^b :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^c :							800	---	---	26,000	---	---	46	---	---	22,000	---	---
<i>Eco CC</i> ^d :							<i>11,706</i>	---	---	<i>21,987</i>	---	---	<i>1.86</i>	---	---	<i>3,097</i>	---	---
116904	L11169008	691946	92866		1.0	2.0												
116905	L11169009	692120	92125		0.0	1.0												
116905	L11169010	692120	92125		1.0	2.0												
116906	L11169011	692028	92646		1.0	2.0												
116907	L11169013	692114	92355		0.0	1.0												
116907	L11169014	692114	92355		1.0	2.0												
116908	L11169016	692066	92273		0.0	1.0												
116908	L11169017	692066	92273		1.0	2.0												
116909	L11169018	691757	92233		0.0	1.0												
116909	L11169019	691757	92233		1.0	2.0												
116910	L11169020	691979	93373		0.0	1.0												
116910	L11169021	691979	93373		1.0	2.0												
116911	L11169022	691769	93328		0.0	1.0												
116911	L11169023	691769	93328		1.0	2.0												
116912	L11169024	691863	93415		0.0	1.0												
116912	L11169025	691863	93415		1.0	2.0												
116913	L11169026	691701	92898		0.0	1.0												
116913	L11169027	691701	92898		1.0	2.0												
116914	L11169028	691725	93411		0.0	1.0												
116914	L11169028DL	691725	93411		0.0	1.0												
116914	L11169029	691725	93411		1.0	2.0												
116914	L11169029DL	691725	93411		1.0	2.0												
116915	L11169030	691883	93355		0.0	1.0												
116915	L11169031	691883	93355		0.0	1.0												
116916	L11169032	692204	93063		0.0	1.0												
116916	L11169033	692204	93063		0.0	1.0												
116916	L11169034	692204	93063		1.0	2.0												
116917	L11169035	691698	92263		0.0	1.0												
116917	L11169036	691698	92263		1.0	2.0												
116918	L11169037	691949	93168		0.0	1.0												
116918	L11169038	691949	93168		1.0	2.0												
116919	L11169039	692104	92656		0.0	1.0												
116919	L11169040	692104	92656		1.0	2.0												
116920	L11169041	691813	92098		0.0	1.0												
116920	L11169042	691813	92098		1.0	2.0												
116920	L11169043	691813	92098		1.0	2.0												
116921	L11169044	692141	92572		0.0	1.0												

Table B-2-4. TNA Post-Excavation Soil Characterization Data Remaining for Metals at Line 1 :

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Lead			Manganese			Mercury			Nickel			
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^b :							1,000	---	---	---	---	---	---	---	---	---	---	---	
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^b :							---	---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^c :							800	---	---	26,000	---	---	46	---	---	22,000	---	---	
<i>Eco CC</i> ^d :							<i>11,706</i>	---	---	<i>21,987</i>	---	---	<i>1.86</i>	---	---	<i>3,097</i>	---	---	
116921	L11169045	692141	92572		1.0	2.0													
116922	L11169046	692089	92779		0.0	1.0													
116922	L11169047	692089	92779		1.0	2.0													
116925	L11169052	691675	93311		0.0	1.0													
116925	L11169053	691675	93311		1.0	2.0													
160302	L1163014	692094	92997		1.0	2.0													
163701	L1163001	691731	92351		0.0	1.0	12.000	0.41				0.140	0.14	U					
163701	L1163002	691731	92351		1.0	2.0													
163701	L1163003	691731	92351		2.0	4.0													
163701	L1163004	691731	92351		4.0	6.0													
163702	L1163005	691759	92309		0.0	1.0	17.000	0.49				0.043	0.16						
163702	L1163006	691759	92309		1.0	2.0													
163702	L1163007	691759	92309		2.0	4.0													
163702	L1163008	691759	92309		4.0	6.0													
10DD01	L110DD001	691669	93262		0.0	1.0	14.000	0.37				0.039	0.12						
10DD01	L110DD002	691669	93262		1.0	2.0													
10DD01	L110DD003	691669	93262		2.0	4.0													
10DD01	L110DD004	691669	93262		4.0	6.0													
10DD02	L110DD005	691641	93234		0.0	1.0	17.000	0.82				0.038	0.14						
10DD02	L110DD006	691641	93234		1.0	2.0													
10DD02	L110DD007	691641	93234		2.0	4.0													
10DD02	L110DD008	691641	93234		4.0	6.0													
10DD03	L110DD009	691565	93119		0.0	1.0	67.000	0.4				0.240	0.13						
10DD03	L110DD010	691565	93119		1.0	2.0													
10DD03	L110DD011	691565	93119		2.0	4.0													
10DD03	L110DD012	691565	93119		4.0	6.0													
10DD04	L110DD013	691508	93081		0.0	1.0	12.000	0.4				0.024	0.13						
10DD04	L110DD014	691508	93081		1.0	2.0													
10DD04	L110DD015	691508	93081		2.0	4.0													
10DD04	L110DD016	691508	93081		2.0	4.0													
10DD04	L110DD017	691508	93081		4.0	6.0													
10DD05	L110DD018	691525	93099		0.0	1.0	19.000	0.42				0.028	0.14						
10DD05	L110DD019	691525	93099		1.0	2.0													
10DD07	L110DD026	691660	93153		0.0	1.0	10.000	0.37				0.033	0.12						
10DD07	L110DD027	691660	93153		1.0	2.0													
10DD07	L110DD028	691660	93153		2.0	4.0													
10DD07	L110DD029	691660	93153		4.0	6.0													

Table B-2-4. TNA Post-Excavation Soil Characterization Data Remaining for Metals at Line 1 :

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Lead			Manganese			Mercury			Nickel			
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^b :							1,000	---	---	---	---	---	---	---	---	---	---	---	
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^b :							---	---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^c :							800	---	---	26,000	---	---	46	---	---	22,000	---	---	
<i>Eco CC</i> ^d :							<i>11,706</i>	---	---	<i>21,987</i>	---	---	<i>1.86</i>	---	---	<i>3,097</i>	---	---	
10DD09	L110DD034	691861	92762		0.0	1.0	11.000	0.39				0.041	0.13						
10DD09	L110DD035	691861	92762		1.0	2.0													
10DD09	L110DD036	691861	92762		2.0	4.0													
10DD09	L110DD037	691861	92762		4.0	6.0													
10DD10	L110DD038	691839	92768		0.0	1.0	10.000	0.43				0.043	0.14						
10DD10	L110DD039	691839	92768		0.0	1.0	14.000	0.43				0.032	0.14						
10DD10	L110DD040	691839	92768		1.0	2.0													
10DD10	L110DD041	691839	92768		2.0	4.0													
10DD10	L110DD042	691839	92768		4.0	6.0													
10DD11	L110DD043	691762	92784		0.0	1.0	17.000	0.89				0.081	0.15						
10DD11	L110DD044	691762	92784		1.0	2.0													
10DD11	L110DD045	691762	92784		1.0	2.0													
10DD11	L110DD046	691762	92784		2.0	4.0													
10DD11	L110DD047	691762	92784		4.0	6.0													
10DD12	L110DD048	691726	92790		0.0	1.0	12.000	0.41				0.030	0.14						
10DD12	L110DD049	691726	92790		1.0	2.0													
10DD12	L110DD050	691726	92790		2.0	4.0													
10DD12	L110DD051	691726	92790		4.0	6.0													
10DD13	L110DD052	691627	92701		0.0	1.0	13.000	0.38				0.026	0.13						
10DD13	L110DD053	691627	92701		1.0	2.0													
10DD13	L110DD054	691627	92701		2.0	4.0													
10DD13	L110DD055	691627	92701		4.0	6.0													
10DD14	L110DD056	691617	92673		0.0	1.0	16.000	0.4				0.046	0.13						
10DD14	L110DD057	691617	92673		1.0	2.0													
10DD14	L110DD058	691617	92673		2.0	4.0													
10DD14	L110DD059	691617	92673		4.0	6.0													
10DD15	L110DD060	691625	92545		0.0	1.0	10.000	0.73				0.020	0.12						
10DD15	L110DD061	691625	92545		1.0	2.0													
10DD15	L110DD062	691625	92545		2.0	4.0													
10DD15	L110DD063	691625	92545		4.0	6.0													
10DD16	L110DD065	691588	92546		1.0	2.0													
10DD16	L110DD066	691588	92546		2.0	4.0													
10DD16	L110DD067	691588	92546		4.0	6.0													
10DD17	L110DD069	691547	92435		1.0	2.0													
10DD17	L110DD070	691547	92435		2.0	4.0													
10DD17	L110DD071	691547	92435		4.0	6.0													
10DD17	L110DD072	691547	92435		4.0	6.0													

Table B-2-4. TNA Post-Excavation Soil Characterization Data Remaining for Metals at Line 1 :

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Lead			Manganese			Mercury			Nickel		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^b :							1,000	---	---	---	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^b :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^c :							800	---	---	26,000	---	---	46	---	---	22,000	---	---
<i>Eco CC</i> ^d :							<i>11,706</i>	---	---	<i>21,987</i>	---	---	<i>1.86</i>	---	---	<i>3,097</i>	---	---
10DD18	L110DD074	691582	92419		1.0	2.0												
10DD18	L110DD075	691582	92419		2.0	4.0												
10DD18	L110DD076	691582	92419		4.0	6.0												
10DD19	L110DD077	691678	92547		0.0	1.0	18.000	0.44				0.120	0.15					
10DD19	L110DD078DL	691678	92547		1.0	2.0												
10DD19	L110DD079DL	691678	92547		2.0	4.0												
10DD20	L110DD081	691806	92511		0.0	1.0	12.000	0.39				0.026	0.13					
10DD20	L110DD082	691806	92511		1.0	2.0												
10DD20	L110DD083	691806	92511		2.0	4.0												
10DD20	L110DD084	691806	92511		4.0	6.0												
10DD21	L110DD085	691838	92504		0.0	1.0	11.000	0.4				0.023	0.13					
10DD21	L110DD086	691838	92504		1.0	2.0												
10DD21	L110DD087	691838	92504		2.0	4.0												
10DD21	L110DD088	691838	92504		4.0	6.0												
10DD22	L110DD089	691858	92111		0.0	1.0	26.000	0.4				0.036	0.13					
10DD22	L110DD090	691858	92111		1.0	2.0												
10DD22	L110DD091	691858	92111		2.0	4.0												
10DD22	L110DD092	691858	92111		4.0	6.0												
10DD23	L110DD094	691798	92021		1.0	2.0												
10DD23	L110DD095	691798	92021		2.0	4.0												
10DD23	L110DD096	691798	92021		4.0	6.0												
10DD25	L110DD102	691742	92808		2.0	4.0	13.000	0.77				0.049	0.13					
10DD25	L110DD103	691742	92808		1.0	2.0												
10DD25	L110DD104	691742	92808		2.0	4.0												
10DD25	L110DD105	691742	92808		4.0	6.0												
10DD26	L110DD106	691759	92856		0.0	1.0	11.000	0.38				0.038	0.13					
10DD26	L110DD107	691759	92856		1.0	2.0												
10DD26	L110DD108	691759	92856		2.0	4.0												
10DD26	L110DD109	691759	92856		4.0	6.0												
10DD27	L110DD110	691918	91943		0.0	1.0	14.000	0.77				0.017	0.13					
10DD27	L110DD111	691918	91943		1.0	2.0												
10DD27	L110DD112	691918	91943		2.0	4.0												
10DD27	L110DD113	691918	91943		4.0	6.0												
10DD28	L110DD115	691840	91886		1.0	2.0												
10DD28	L110DD116	691840	91886		2.0	4.0												
10DD28	L110DD117	691840	91886		4.0	6.0												
10DD29	L110DD131	691632	93305		0.0	1.0	26.000	0.38				0.055	0.13					

Table B-2-4. TNA Post-Excavation Soil Characterization Data Remaining for Metals at Line 1 :

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Lead			Manganese			Mercury			Nickel		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^b :							1,000	---	---	---	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^b :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^c:							800	---	---	26,000	---	---	46	---	---	22,000	---	---
<i>Eco CC^d:</i>							<i>11,706</i>	---	---	<i>21,987</i>	---	---	<i>1.86</i>	---	---	<i>3,097</i>	---	---
10DD29	L110DD132	691632	93305		1.0	2.0												
10DD29	L110DD133	691632	93305		2.0	4.0												
10DD29	L110DD134	691632	93305		4.0	6.0												
Maximum Reported Concentration (Detects and Non-Detects):							720.000	---		---	---	---	3.900	---		---	---	---
Maximum Detected Concentration:							720.000	---		---	---	---	3.900	---		---	---	---
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0):							0	---	---	---	---	---	---	---	---	---	---	---
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection):							---	---	---	---	---	---	---	---	---	---	---	---
Number of Sample Results Greater than USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0):							0	---	---	0	---	---	0	---	---	0	---	---
Number of Sample Results Greater than Eco CC:							0	---	---	0	---	---	1	---	---	0	---	---

^a The IAAAP OU-1 ROD RG and RSL (USEPA 2018a) for industrial soil are presented for chromium are for hexavalent chromium.

^b Gray-shaded concentrations exceed the corresponding IAAAP OU-1 ROD RGs protective of an industrial worker ingesting soil (USACE 1998a).

^c Concentrations in **bold** exceed the corresponding RSLs (USEPA 2017) protective of an industrial worker exposed to soil via ingestion, dermal contact, and dust inhalation.

^d Concentrations in *italics* exceed the corresponding Eco CCs calculated for Line 1.

Notes:

"--" Indicates that there is no comparison value available.

All results and comparison values are in mg/kg.

NA - Maximum detected result is not available because all results reported for the parameter are non-detect.

VQ symbols indicate: “=” positive identification, positive quantitation, no reason to estimate,

“U” non-detect, no reason to estimate, “J” positive identification, estimated quantitation,

“UJ” analyte was not detected and had QC deficiencies.

Table B-2-4. TNA Post-Excavation Soil Characterization Data Remaining for Metals at Line 1 :

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Selenium			Silver			Thallium			Vanadium		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^b :							---	---	---	---	---	---	143	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^b :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^c :							5,800	---	---	5,800	---	---	23	---	---	5,800	---	---
<i>Eco CC</i> ^d :							<i>1.61</i>	---	---	<i>91.7</i>	---	---	<i>19.1</i>	---	---	<i>1,774</i>	---	---
100101	L1101001	691685	93330		0.0	1.0	0.960	1.2		1.200	1.2	U						
100101	L1101002	691685	93330		1.0	2.0												
100101	L1101003	691685	93330		2.0	4.0												
100101	L1101004	691685	93330		4.0	6.0												
100102	L1101005	691685	93369		0.0	1.0	0.890	0.65		1.300	1.3	U						
100102	L1101006	691685	93369		1.0	2.0												
100102	L1101007	691685	93369		2.0	4.0												
100102	L1101008	691685	93369		4.0	6.0												
100103	L1101009	691723	93308		0.0	1.0	0.540	0.54	U	1.100	1.1	U						
100103	L1101010	691723	93308		1.0	2.0												
100103	L1101011	691723	93308		2.0	4.0												
100103	L1101012	691723	93308		4.0	6.0												
100201	L1102001	691824	93116		1.0	2.0												
100201	L1102002	691824	93116		2.0	4.0												
100202	L1102003	691834	93110		1.0	2.0												
100202	L1102004	691834	93110		2.0	4.0												
100203	L1102005	691839	93129		1.0	2.0												
100203	L1102006	691839	93129		2.0	4.0												
100204	L1102007	691851	93109		1.0	2.0												
100204	L1102008	691851	93109		2.0	4.0												
100205	L1102009	691838	93090		1.0	2.0												
100205	L1102010	691838	93090		2.0	4.0												
100205	L1102011	691838	93090		2.0	4.0												
100206	L1102012	691842	93123		1.0	2.0												
100206	L1102013	691842	93123		2.0	4.0												
100302	L1103005	691754	93117		0.0	1.0	1.000	0.66		1.300	1.3	U						
100302	L1103006	691754	93117		1.0	2.0												
100302	L1103007	691754	93117		2.0	4.0												
100302	L1103008	691754	93117		4.0	6.0												
100303	L1103009	691803	93111		0.0	1.0	0.600	0.59		1.200	1.2	U						
100303	L1103010	691803	93111		1.0	2.0												
100303	L1103011	691803	93111		2.0	4.0												
100303	L1103012	691803	93111		4.0	6.0												
100304	L1103013	691776	93096		0.0	1.0	1.000	0.51		1.000	1	U						
100304	L1103014	691776	93096		1.0	2.0												
100304	L1103015	691776	93096		2.0	4.0												
100304	L1103016	691776	93096		2.0	4.0												

Table B-2-4. TNA Post-Excavation Soil Characterization Data Remaining for Metals at Line 1 :

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Selenium			Silver			Thallium			Vanadium		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^b :							---	---	---	---	---	---	143	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^b :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^c :							5,800	---	---	5,800	---	---	23	---	---	5,800	---	---
<i>Eco CC</i> ^d :							<i>1.61</i>	---	---	<i>91.7</i>	---	---	<i>19.1</i>	---	---	<i>1,774</i>	---	---
100304	L1103017	691776	93096		4.0	6.0												
100305	L1103018	692112	92187		0.0	1.0	0.620	0.62	U	1.100	1.1	U						
100305	L1103019	692112	92187		1.0	2.0												
100305	L1103020	692112	92187		2.0	4.0												
100305	L1103021	692112	92187		4.0	6.0												
100401	L1104001	691772	93135		0.0	1.0	1.300	0.65		1.300	1.3	U						
100401	L1104002	691772	93135		1.0	2.0												
100401	L1104003	691772	93135		2.0	4.0												
100401	L1104004	691772	93135		4.0	6.0												
100402	L1104005	691742	93216		0.0	1.0	1.400	0.61		1.200	1.2	U						
100402	L1104006	691742	93216		1.0	2.0												
100402	L1104007	691742	93216		2.0	4.0												
100402	L1104008	691742	93216		4.0	6.0												
100403	L1104009	691792	93152		0.0	1.0	0.760	0.61		1.200	1.2	U						
100403	L1104010	691792	93152		1.0	2.0												
100403	L1104011	691792	93152		2.0	4.0												
100403	L1104012	691792	93152		4.0	6.0												
100404	L1104013	691796	93140		0.0	1.0	1.100	0.62		1.200	1.2	U						
100404	L1104014	691796	93140		1.0	2.0												
100404	L1104015	691796	93140		2.0	4.0												
100404	L1104016	691796	93140		4.0	6.0												
100501	L1105001	691921	92838		0.0	1.0	1.600	0.62		1.200	1.2	U						
100501	L1105002	691921	92838		1.0	2.0												
100501	L1105003	691921	92838		2.0	4.0												
100501	L1105004	691921	92838		4.0	6.0												
100502	L1105005	691921	92844		0.0	1.0	<i>2.100</i>	0.65		1.300	1.3	U						
100502	L1105006	691921	92844		1.0	2.0												
100502	L1105007	691921	92844		1.0	2.0												
100502	L1105008	691921	92844		2.0	4.0												
100502	L1105009	691921	92844		4.0	6.0												
100503	L1105010	691915	92797		0.0	1.0	1.400	0.62		1.200	1.2	U						
100503	L1105011	691915	92797		1.0	2.0												
100503	L1105012	691915	92797		2.0	4.0												
100503	L1105013	691915	92797		4.0	6.0												
100504	L1105014	691932	92802		0.0	1.0	<i>1.800</i>	0.65		1.300	1.3	U						
100504	L1105015	691932	92802		1.0	2.0												
100504	L1105016	691932	92802		2.0	4.0												

Table B-2-4. TNA Post-Excavation Soil Characterization Data Remaining for Metals at Line 1 :

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Selenium			Silver			Thallium			Vanadium		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^b :							---	---	---	---	---	---	143	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^b :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^c :							5,800	---	---	5,800	---	---	23	---	---	5,800	---	---
<i>Eco CC</i> ^d :							<i>1.61</i>	---	---	<i>91.7</i>	---	---	<i>19.1</i>	---	---	<i>1,774</i>	---	---
100504	L1105017	691932	92802		4.0	6.0												
100505	L1105018	691911	92799		0.0	1.0	0.620	0.62	U	1.200	1.2	U						
100505	L1105019	691911	92799		1.0	2.0												
100505	L1105020	691911	92799		2.0	4.0												
100505	L1105021	691911	92799		4.0	6.0												
100506	L1105022	691896	92792		1.0	2.0												
100506	L1105023	691896	92792		2.0	4.0												
100506	L1105024	691896	92792		4.0	6.0												
100509	L1105035	691899	92831		0.0	1.0	1.600	0.61		1.200	1.2	U						
100509	L1105036	691899	92831		1.0	2.0												
100509	L1105037	691899	92831		2.0	4.0												
100509	L1105038	691899	92831		4.0	6.0												
100510	L1105055	691886	92945		0.0	1.0	1.400	0.65		1.300	1.3	U						
100510	L1105056	691886	92945		1.0	2.0	<i>2.100</i>	1.2		1.200	1.2	U						
100510	L1105057	691886	92945		2.0	4.0												
100510	L1105058	691886	92945		4.0	6.0												
100511	L1105059	691877	92995		1.0	2.0												
100511	L1105060	691877	92995		2.0	4.0												
100511	L1105061	691877	92995		2.0	4.0												
100511	L1105062	691877	92995		4.0	6.0												
100512	L1105063	691842	92972		1.0	2.0												
100512	L1105064	691842	92972		2.0	4.0												
100512	L1105065	691842	92972		4.0	6.0												
100513	L1105066	691845	92995		1.0	2.0												
100513	L1105067	691845	92995		2.0	4.0												
100513	L1105068	691845	92995		2.0	4.0												
100514	L1105069	691849	92986		1.0	2.0												
100514	L1105070	691849	92986		2.0	4.0												
100514	L1105071	691849	92986		4.0	5.0												
100517	L1105079	691867	93001		0.0	1.0	1.300	1.3	U	1.300	1.3	U						
100517	L1105080	691867	93001		1.0	2.0												
100517	L1105081	691867	93001		2.0	4.0												
100517	L1105082	691867	93001		4.0	6.0												
100519	L1105088	691864	92940		0.0	1.0	1.400	0.61		1.200	1.2	U						
100519	L1105089	691864	92940		1.0	2.0												
100519	L1105090	691864	92940		2.0	4.0												
100519	L1105091	691864	92940		4.0	6.0												

Table B-2-4. TNA Post-Excavation Soil Characterization Data Remaining for Metals at Line 1 :

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Selenium			Silver			Thallium			Vanadium		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^b :							---	---	---	---	---	---	143	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^b :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^c :							5,800	---	---	5,800	---	---	23	---	---	5,800	---	---
<i>Eco CC</i> ^d :							<i>1.61</i>	---	---	<i>91.7</i>	---	---	<i>19.1</i>	---	---	<i>1,774</i>	---	---
100521	L1105096	691911	92849		0.0	1.0	1.800	0.62		1.200	1.2	U						
100521	L1105097	691911	92849		1.0	2.0												
100521	L1105098	691911	92849		2.0	4.0												
100521	L1105099	691911	92849		4.0	6.0												
100601	L1106001	691750	92646		0.0	1.0	2.900	2.1		1.400	1.4	U						
100601	L1106002	691750	92646		1.0	2.0												
100601	L1106003	691750	92646		2.0	4.0												
100601	L1106004	691750	92646		2.0	4.0												
100601	L1106005	691750	92646		4.0	6.0												
100602	L1106006	691739	92639		0.0	1.0	0.360	0.54		1.100	1.1	U						
100602	L1106007	691739	92639		1.0	2.0												
100602	L1106008	691739	92639		2.0	4.0												
100602	L1106009	691739	92639		4.0	6.0												
100603	L1106010	691621	93000		0.0	1.0	0.530	0.53	U	1.100	1.1	U						
100603	L1106011	691621	93000		1.0	2.0												
100603	L1106012	691621	93000		2.0	4.0												
100603	L1106013	691621	93000		4.0	6.0												
100604	L1106014	691632	93007		0.0	1.0	2.000	1.4		1.400	1.4	U						
100604	L1106015	691632	93007		1.0	2.0												
100604	L1106016	691632	93007		2.0	4.0												
100604	L1106017	691632	93007		4.0	6.0												
100701	L1107001	692002	92830		0.0	1.0	1.200	1.2	U	1.200	1.2	U						
100701	L1107002	692002	92830		1.0	2.0												
100701	L1107003	692002	92830		2.0	4.0												
100702	L1107005	692023	92845		0.0	1.0	0.630	0.63	U	1.300	1.3	U						
100702	L1107006	692023	92845		1.0	2.0												
100702	L1107007	692023	92845		2.0	4.0												
100702	L1107008	692023	92845		4.0	6.0												
100703	L1107009	692034	92800		0.0	1.0	0.610	0.61	U	1.200	1.2	U						
100703	L1107010	692034	92800		1.0	2.0												
100703	L1107011	692034	92800		2.0	4.0												
100703	L1107012	692034	92800		4.0	6.0												
100801	L1108001	691700	92779		0.0	1.0	1.700	0.64		1.300	1.3	U						
100801	L1108002	691700	92779		1.0	2.0												
100801	L1108003	691700	92779		2.0	4.0												
100801	L1108004	691700	92779		2.0	4.0												
100801	L1108005	691700	92779		4.0	6.0												

Table B-2-4. TNA Post-Excavation Soil Characterization Data Remaining for Metals at Line 1 :

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Selenium			Silver			Thallium			Vanadium		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^b :							---	---	---	---	---	---	143	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^b :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^c :							5,800	---	---	5,800	---	---	23	---	---	5,800	---	---
<i>Eco CC</i> ^d :							<i>1.61</i>	---	---	<i>91.7</i>	---	---	<i>19.1</i>	---	---	<i>1,774</i>	---	---
100802	L1108006	691723	92706		0.0	1.0	1.100	0.66		1.300	1.3	U						
100802	L1108006A	691723	92706		0.0	1.0	1.100	0.63		1.300	1.3	U						
100802	L1108007	691723	92706		1.0	2.0												
100802	L1108007A	691723	92706		1.0	2.0												
100802	L1108008	691723	92706		2.0	4.0												
100802	L1108008A	691723	92706		2.0	4.0												
100802	L1108009	691723	92706		4.0	6.0												
100802	L1108009A	691723	92706		4.0	6.0												
100803	L1108010	691715	92725		0.0	1.0	0.630	0.63		1.300	1.3	U						
100803	L1108011	691715	92725		1.0	2.0												
100803	L1108012	691715	92725		2.0	4.0												
100803	L1108013	691715	92725		4.0	6.0												
100805	L1108018	691709	92730		0.0	1.0	0.940	0.66		1.300	1.3	U						
100805	L1108019	691709	92730		1.0	2.0												
100805	L1108020	691709	92730		2.0	4.0												
100805	L1108021	691709	92730		4.0	6.0												
101001	L1110001	691959	92688		0.0	1.0												
101001	L1110002	691959	92688		1.0	2.0												
101001	L1110003	691959	92688		2.0	4.0												
101001	L1110004	691959	92688		4.0	6.0												
101004	L1110016	691978	92653		0.0	1.0	1.200	1.3		1.300	1.3	U						
101004	L1110017	691978	92653		1.0	2.0												
101004	L1110018	691978	92653		2.0	4.0												
101004	L1110019	691978	92653		4.0	6.0												
101005	L1110037	691993	92609		0.0	1.0	1.700	0.69		1.400	1.4	U						
101005	L1110038	691993	92609		1.0	2.0												
101005	L1110039	691993	92609		2.0	4.0												
101005	L1110040	691993	92609		4.0	6.0												
101006	L1110025	691952	92623		0.0	1.0	1.500	0.63		1.300	1.3	U						
101006	L1110026	691952	92623		1.0	2.0												
101006	L1110027	691952	92623		2.0	4.0												
101006	L1110028	691952	92623		4.0	5.0												
101007	L1110029	691971	92576		0.0	1.0	2.000	1.3		1.300	1.3	U						
101007	L1110030	691971	92576		1.0	2.0												
101008	L1110033	691999	92585		0.0	1.0	1.500	0.63		1.300	1.3	U						
101008	L1110034	691999	92585		1.0	2.0												
101008	L1110035	691999	92585		2.0	4.0												

Table B-2-4. TNA Post-Excavation Soil Characterization Data Remaining for Metals at Line 1 :

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Selenium			Silver			Thallium			Vanadium		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^b :							---	---	---	---	---	---	143	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^b :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^c :							5,800	---	---	5,800	---	---	23	---	---	5,800	---	---
<i>Eco CC</i> ^d :							<i>1.61</i>	---	---	<i>91.7</i>	---	---	<i>19.1</i>	---	---	<i>1,774</i>	---	---
101008	L1110036	691999	92585		4.0	6.0												
101009	L1110021	691999	92618		0.0	1.0	1.500	0.64		1.300	1.3	U						
101009	L1110022	691999	92618		1.0	2.0												
101009	L1110023	691999	92618		2.0	4.0												
101009	L1110024	691999	92618		4.0	6.0												
101101	L1111001	691809	93287		0.0	1.0	1.400	0.65		1.300	1.3	U						
101101	L1111002	691809	93287		1.0	2.0												
101101	L1111003	691809	93287		2.0	4.0												
101101	L1111004	691809	93287		4.0	6.0												
101102	L1111005	691832	93269		0.0	1.0												
101102	L1111006	691832	93269		2.0	4.0												
101103	L1111007	691812	93314		0.0	1.0	1.600	0.66		1.300	1.3	U						
101103	L1111008	691812	93314		1.0	2.0												
101103	L1111009	691812	93314		2.0	4.0												
101103	L1111010	691812	93314		4.0	6.0												
101104	L1111011	691845	93331		0.0	1.0	1.300	0.6		1.200	1.2	U						
101104	L1111012	691845	93331		1.0	2.0												
101104	L1111013	691845	93331		2.0	4.0												
101104	L1111014	691845	93331		4.0	6.0												
101105	L1111015	691894	93311		0.0	1.0	<i>1.700</i>	0.62		1.200	1.2	U						
101105	L1111016	691894	93311		1.0	2.0												
101105	L1111017	691894	93311		2.0	4.0												
101105	L1111018	691894	93311		4.0	6.0												
101106	L1111019	691911	93281		0.0	1.0	0.770	0.65		1.300	1.3	U						
101106	L1111020	691911	93281		1.0	2.0												
101106	L1111022	691911	93281		2.0	4.0												
101106	L1111023	691911	93281		4.0	6.0												
101107	L1111024	691838	93244		0.0	1.0	1.100	0.65		1.300	1.3	U						
101107	L1111025	691838	93244		1.0	2.0												
101107	L1111026	691838	93244		2.0	4.0												
101107	L1111027	691838	93244		4.0	6.0												
101201	L1112001	692036	92381		1.0	2.0												
101201	L1112001A	692036	92381		0.0	1.0	1.500	0.63		1.300	1.3	U						
101201	L1112002	692036	92381		1.0	2.0												
101201	L1112003	692036	92381		2.0	4.0												
101201	L1112004	692036	92381		4.0	6.0												
101204	L1112011A	692080	92344		0.0	1.0	1.300	0.61		1.200	1.2	U						

Table B-2-4. TNA Post-Excavation Soil Characterization Data Remaining for Metals at Line 1 :

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Selenium			Silver			Thallium			Vanadium		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^b :							---	---	---	---	---	---	143	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^b :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^c :							5,800	---	---	5,800	---	---	23	---	---	5,800	---	---
<i>Eco CC</i> ^d :							<i>1.61</i>	---	---	<i>91.7</i>	---	---	<i>19.1</i>	---	---	<i>1,774</i>	---	---
101204	L1112012	692080	92344		2.0	4.0												
101204	L1112013	692080	92344		4.0	6.0												
101205	L1112014	692105	92261		1.0	2.0												
101205	L1112014A	692105	92261		0.0	1.0	0.530	0.59		1.200	1.2	U						
101205	L1112015	692105	92261		2.0	4.0												
101205	L1112016	692105	92261		4.0	6.0												
101206	L1112017	692086	92238		1.0	2.0												
101206	L1112017A	692086	92238		0.0	1.0	1.100	0.64		1.300	1.3	U						
101206	L1112018	692086	92238		2.0	4.0												
101206	L1112019	692086	92238		4.0	6.0												
101207	L1112020	692050	92340		1.0	2.0												
101207	L1112020A	692050	92340		0.0	1.0	1.500	0.66		1.300	1.3	U						
101207	L1112021	692050	92340		2.0	4.0												
101207	L1112022	692050	92340		4.0	6.0												
101208	L1112023	692041	92462		0.0	1.0	2.700	1.3		1.300	1.3	U						
101208	L1112024	692041	92462		1.0	2.0												
101208	L1112025	692041	92462		1.0	2.0												
101208	L1112026	692041	92462		2.0	4.0												
101208	L1112027	692041	92462		4.0	6.0												
101209	L1112028	692063	92389		0.0	1.0	1.000	0.55		1.100	1.1	U						
101209	L1112029	692063	92389		1.0	2.0												
101209	L1112030	692063	92389		2.0	4.0												
101209	L1112031	692063	92389		4.0	6.0												
101210	L1112033	692085	92323		1.0	2.0												
101210	L1112034	692085	92323		2.0	4.0												
101210	L1112036	692085	92323		4.0	6.0												
101210	L111232	692085	92323		0.0	1.0	1.400	0.65		1.300	1.3	U						
101211	L1112037	692098	92292		0.0	1.0	0.760	0.62		1.200	1.2	U						
101211	L1112038	692098	92292		1.0	2.0												
101211	L1112039	692098	92292		2.0	4.0												
101211	L1112040	692098	92292		4.0	6.0												
101212	L1112041	692076	92256		0.0	1.0	0.630	0.63		1.300	1.3	U						
101212	L1112042	692076	92256		1.0	2.0												
101212	L1112043	692076	92256		2.0	4.0												
101212	L1112044	692076	92256		4.0	6.0												
101213	L1112045	692055	92294		0.0	1.0	1.500	0.61		1.200	1.2	U						
101213	L1112046	692055	92294		1.0	2.0												

Table B-2-4. TNA Post-Excavation Soil Characterization Data Remaining for Metals at Line 1 :

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Selenium			Silver			Thallium			Vanadium		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^b :							---	---	---	---	---	---	143	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^b :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^c :							5,800	---	---	5,800	---	---	23	---	---	5,800	---	---
<i>Eco CC</i> ^d :							1.61	---	---	91.7	---	---	19.1	---	---	1,774	---	---
101213	L1112047	692055	92294		2.0	4.0												
101213	L1112048	692055	92294		2.0	4.0												
101213	L1112049	692055	92294		4.0	6.0												
101301	L1113001	691873	92319		0.0	1.0	0.620	0.62	U	1.200	1.2	U						
101301	L1113002	691873	92319		1.0	2.0												
101301	L1113003	691873	92319		2.0	4.0												
101301	L1113004	691873	92319		4.0	6.0												
101302	L1113006	691868	92338		0.0	1.0	0.630	0.63	U	1.300	1.3	U						
101302	L1113007	691868	92338		1.0	2.0												
101302	L1113008	691868	92338		2.0	4.0												
101302	L1113009	691868	92338		4.0	6.0												
101303	L1113010	691845	92407		0.0	1.0	0.610	0.61	U	1.200	1.2	U						
101303	L1113011	691845	92407		1.0	2.0												
101303	L1113012	691845	92407		2.0	4.0												
101303	L1113013	691845	92407		4.0	6.0												
101304	L1113014	691870	92409		2.0	4.0	0.900	0.62		1.200	1.2	U						
101304	L1113015	691870	92409		1.0	2.0												
101304	L1113016	691870	92409		2.0	4.0												
101304	L1113017	691870	92409		4.0	6.0												
101305	L1113018	691882	92387		0.0	1.0	0.630	0.63	U	1.300	1.3	U						
101305	L1113019	691882	92387		1.0	2.0												
101305	L1113020	691882	92387		2.0	4.0												
101305	L1113021	691882	92387		4.0	6.0												
101306	L1113024	691889	94486		1.0	2.0												
101307	L1113023	691900	92319		1.0	2.0												
101307	L1113027	691900	92319		0.0	1.0	1.400	0.63		1.300	1.3	U						
101307	L1113028	691900	92319		1.0	2.0												
101308	L11130035	691875	92309		4.0	6.0												
101308	L1113031	691875	92309		0.0	1.0	0.620	0.62	U	1.200	1.2	U						
101308	L1113032	691875	92309		1.0	2.0												
101308	L1113033	691875	92309		2.0	4.0												
101308	L1113034	691875	92309		2.0	4.0												
101309	L1113036	691881	92297		0.0	1.0	0.620	0.62	U	1.200	1.2	U						
101309	L1113037	691881	92297		1.0	2.0												
101309	L1113038	691881	92297		2.0	4.0												
101309	L1113039	691881	92297		4.0	6.0												
101401	L1114001	691797	92489		0.0	1.0	1.200	0.66		1.300	1.3	U						

Table B-2-4. TNA Post-Excavation Soil Characterization Data Remaining for Metals at Line 1 :

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Selenium			Silver			Thallium			Vanadium		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^b :							---	---	---	---	---	---	143	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^b :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^c :							5,800	---	---	5,800	---	---	23	---	---	5,800	---	---
<i>Eco CC</i> ^d :							<i>1.61</i>	---	---	<i>91.7</i>	---	---	<i>19.1</i>	---	---	<i>1,774</i>	---	---
101401	L1114002	691797	92489		1.0	2.0												
101401	L1114003	691797	92489		2.0	4.0												
101401	L1114004	691797	92489		4.0	6.0												
101402	L1114005	691814	92487		0.0	1.0	0.640	0.64	U	0.043	1.3							
101402	L1114006	691814	92487		1.0	2.0												
101402	L1114007	691814	92487		2.0	4.0												
101402	L1114008	691814	92487		4.0	6.0												
101501	L1115001	691936	92124		0.0	1.0	2.500	1.3		1.300	1.3	U						
101501	L1115002	691936	92124		1.0	2.0												
101501	L1115003	691936	92124		2.0	4.0												
101501	L1115004	691936	92124		4.0	6.0												
101502	L1115005	691916	92117		0.0	1.0	1.800	1.3		1.300	1.3	U						
101502	L1115006	691916	92117		1.0	2.0												
101502	L1115007	691916	92117		2.0	4.0												
101502	L1115008	691916	92117		4.0	6.0												
101503	L1115009	691925	92088		0.0	1.0	1.300	1.3	U	1.300	1.3	U						
101503	L1115010	691925	92088		1.0	2.0												
101503	L1115011	691925	92088		2.0	4.0												
101503	L1115012	691925	92088		4.0	6.0												
101504	L1115014	691931	92075		0.0	1.0	0.420	0.59		1.200	1.2	U						
101504	L1115015	691931	92075		1.0	2.0												
101504	L1115016	691931	92075		2.0	4.0												
101504	L1115017	691931	92075		4.0	6.0												
101505	L1115018	691943	92106		0.0	1.0	2.000	0.65		1.300	1.3	U						
101505	L1115019	691943	92106		1.0	2.0												
101505	L1115020	691943	92106		2.0	4.0												
101505	L1115021	691943	92106		4.0	6.0												
101506	L1115022	691950	92080		0.0	1.0	2.000	0.66		1.300	1.3	U						
101506	L1115023	691950	92080		1.0	2.0												
101506	L1115024	691950	92080		2.0	4.0												
101506	L1115025	691950	92080		4.0	6.0												
101601	L1116001	692018	92532		1.0	2.0												
101602	L1116002	692025	92510		1.0	2.0												
101604	L1116005	692012	92535		1.0	2.0												
101605	L1116006	692003	92526		1.0	2.0												
101605	L1116007	692003	92526		1.0	2.0												
101901	L1119001	691756	92245		0.0	1.0	2.300	0.66		1.300	1.3	U						

Table B-2-4. TNA Post-Excavation Soil Characterization Data Remaining for Metals at Line 1 :

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Selenium			Silver			Thallium			Vanadium		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^b :							---	---	---	---	---	---	143	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^b :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^c :							5,800	---	---	5,800	---	---	23	---	---	5,800	---	---
<i>Eco CC</i> ^d :							<i>1.61</i>	---	---	<i>91.7</i>	---	---	<i>19.1</i>	---	---	<i>1,774</i>	---	---
101901	L1119002	691756	92245		1.0	2.0												
101901	L1119003	691756	92245		2.0	4.0												
101901	L1119004	691756	92245		4.0	6.0												
101902	L1119005	691701	92291		0.0	1.0	1.500	0.64		1.300	1.3	U						
101902	L1119006	691701	92291		1.0	2.0												
101902	L1119007	691701	92291		2.0	4.0												
101902	L1119008	691701	92291		4.0	6.0												
101903	L1119011	691682	92349		0.0	1.0	<i>1.800</i>	0.64		1.300	1.3	U						
101903	L1119012	691682	92349		1.0	2.0												
101903	L1119013	691682	92349		2.0	4.0												
101903	L1119014	691682	92349		4.0	6.0												
101904	L1119015	691752	92256		0.0	1.0	<i>2.500</i>	1.3		1.300	1.3	U						
101904	L1119016	691752	92256		1.0	2.0												
101904	L1119017	691752	92256		2.0	4.0												
101904	L1119018	691752	92256		4.0	6.0												
101905	L1119019	691756	92280		0.0	1.0	1.300	1.3	U	1.300	1.3	U						
101905	L1119020	691756	92280		1.0	2.0												
101905	L1119021	691756	92280		2.0	4.0												
101905	L1119022	691756	92280		4.0	6.0												
103601	L1136001	691816	93159		0.0	1.0	1.100	0.62		1.200	1.2	U						
103601	L1136002	691816	93159		1.0	2.0												
103601	L1136003	691816	93159		2.0	4.0												
103602	L1136004	691819	93152		0.0	1.0	1.000	0.56		1.100	1.1	U						
103602	L1136005	691819	93152		1.0	2.0												
103602	L1136006	691819	93152		2.0	4.0												
103603	L1136007	691811	93151		0.0	1.0	<i>2.100</i>	0.7		1.400	1.4	U						
103603	L1136008	691811	93151		1.0	2.0												
103603	L1136009	691811	93151		2.0	4.0												
104001	L1140001	691989	92970		0.0	1.0	0.610	0.61	U	1.200	1.2	U						
104001	L1140002	691989	92970		1.0	2.0												
104001	L1140003	691989	92970		2.0	4.0												
104001	L1140004	691989	92970		4.0	6.0												
104002	L1140005	691966	92968		0.0	1.0	0.660	0.66	U	1.300	1.3	U						
104002	L1140007	691966	92968		1.0	2.0												
104002	L1140008	691966	92968		2.0	4.0												
104002	L1140009	691966	92968		4.0	6.0												
104003	L1140010	692020	92953		0.0	1.0	0.640	0.64	U	1.300	1.3	U						

Table B-2-4. TNA Post-Excavation Soil Characterization Data Remaining for Metals at Line 1 :

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Selenium			Silver			Thallium			Vanadium		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^b :							---	---	---	---	---	---	143	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^b :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^c :							5,800	---	---	5,800	---	---	23	---	---	5,800	---	---
<i>Eco CC</i> ^d :							<i>1.61</i>	---	---	<i>91.7</i>	---	---	<i>19.1</i>	---	---	<i>1,774</i>	---	---
104003	L1140011	692020	92953		0.0	1.0												
104003	L1140013	692020	92953		2.0	4.0												
104003	L1140014	692020	92953		4.0	6.0												
104004	L1140015	691950	92925		0.0	1.0	1.300	1.3	U	1.300	1.3	U						
104004	L1140016	691950	92925		1.0	2.0												
104004	L1140017	691950	92925		2.0	4.0												
104004	L1140018	691950	92925		4.0	6.0												
104005	L1140006	692034	92912		2.0	4.0												
104005	L1140020	692034	92912		0.0	1.0	0.660	0.66	U	1.300	1.3	U						
104005	L1140021	692034	92912		1.0	2.0												
104005	L1140022	692034	92912		2.0	4.0												
104005	L1140023	692034	92912		4.0	6.0												
104006	L1140024	692023	92873		0.0	1.0	0.640	0.64	U	0.069	1.3							
104006	L1140025	692023	92873		1.0	2.0												
104006	L1140026	692023	92873		2.0	4.0												
104006	L1140027	692023	92873		4.0	6.0												
104007	L1140028	691983	92874		0.0	1.0	1.300	0.61		1.200	1.2	U						
104007	L1140029	691983	92874		1.0	2.0												
104007	L1140030	691983	92874		2.0	4.0												
105001	L1150001	691709	92844		1.0	2.0												
105001	L1150002	691709	92844		2.0	4.0												
105001	L1150003	691709	92844		4.0	6.0												
105003	L1150007	691689	92828		0.0	1.0	0.990	0.63		1.300	1.3	U						
105003	L1150008	691689	92828		1.0	2.0												
105003	L1150009	691689	92828		2.0	4.0												
105003	L1150010	691689	92828		4.0	6.0												
105004	L1150011	691716	92826		0.0	1.0	1.400	0.63		1.300	1.3	U						
105004	L1150012	691716	92826		1.0	2.0												
105004	L1150013	691716	92826		2.0	4.0												
105004	L1150014	691716	92826		4.0	6.0												
105301	L1153001	692136	92161		1.0	2.0												
105301	L1153001A	692136	92161		0.0	1.0	2.000	1.3		1.300	1.3	U						
105301	L1153003	692136	92161		2.0	4.0												
105301	L1153004	692136	92161		4.0	6.0												
105302	L1153002	692145	92145		0.0	1.0	1.700	0.62		1.200	1.2	U						
105302	L1153005	692145	92145		1.0	2.0												
105302	L1153005A	692145	92145		0.0	1.0	1.400	1.3		1.300	1.3	U						

Table B-2-4. TNA Post-Excavation Soil Characterization Data Remaining for Metals at Line 1 :

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Selenium			Silver			Thallium			Vanadium		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^b :							---	---	---	---	---	---	143	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^b :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^c :							5,800	---	---	5,800	---	---	23	---	---	5,800	---	---
<i>Eco CC</i> ^d :							1.61	---	---	91.7	---	---	19.1	---	---	1,774	---	---
105302	L1153006	692145	92145		2.0	4.0												
105302	L1153007	692145	92145		4.0	6.0												
105303	L1153008	692108	92140		1.0	2.0												
105303	L1153008A	692108	92140		0.0	1.0	0.610	0.61	U	1.200	1.2	U						
105303	L1153009	692108	92140		2.0	4.0												
105303	L1153010	692108	92140		4.0	6.0												
106002	L1160006	691662	92877		0.0	1.0	1.800	0.6		1.200	1.2	U						
106002	L1160007	691662	92877		1.0	2.0												
106002	L1160008	691662	92877		2.0	4.0												
106002	L1160009	691662	92877		4.0	6.0												
106003	L1160010	691680	92888		0.0	1.0	0.150	0.55		1.100	1.1	U						
106003	L1160011	691680	92888		1.0	2.0												
106003	L1160012	691680	92888		2.0	4.0												
106003	L1160013	691680	92888		4.0	6.0												
106003	L1160014	691680	92888		4.0	6.0												
106004	L1160015	691680	92900		0.0	1.0	1.500	0.63		1.300	1.3	U						
106004	L1160016	691680	92900		1.0	2.0												
106004	L1160017	691680	92900		2.0	4.0												
106004	L1160019	691680	92900		4.0	6.0												
106101	L1161001	691947	93086		0.0	1.0	0.590	0.59	U	1.200	1.2	U						
106101	L1161002	691947	93086		1.0	2.0												
106101	L1161003	691947	93086		2.0	4.0												
106101	L1161004	691947	93086		4.0	6.0												
106102	L1161005	691909	93057		0.0	1.0	2.200	1.3		1.300	1.3	U						
106102	L1161006	691909	93057		1.0	2.0												
106102	L1161007	691909	93057		1.0	2.0												
106102	L1161008	691909	93057		2.0	4.0												
106102	L1161009	691909	93057		4.0	6.0												
106104	L1161014	691956	93011		0.0	1.0	1.800	0.64		1.300	1.3	U						
106104	L1161015	691956	93011		1.0	2.0												
106104	L1161016	691956	93011		2.0	4.0												
106104	L1161017	691956	93011		4.0	6.0												
106301	L1163009	692099	92970		0.0	1.0	0.690	0.69	U	1.400	1.4	U						
106301	L1163010	692099	92970		1.0	2.0												
106301	L1163011	692099	92970		2.0	4.0												
106301	L1163012	692099	92970		4.0	6.0												
106302	L1163013	692094	92997		0.0	1.0	1.500	0.65		1.300	1.3	U						

Table B-2-4. TNA Post-Excavation Soil Characterization Data Remaining for Metals at Line 1 :

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Selenium			Silver			Thallium			Vanadium		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^b :							---	---	---	---	---	---	143	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^b :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^c :							5,800	---	---	5,800	---	---	23	---	---	5,800	---	---
<i>Eco CC</i> ^d :							<i>1.61</i>	---	---	<i>91.7</i>	---	---	<i>19.1</i>	---	---	<i>1,774</i>	---	---
106302	L1163015	692094	92997		2.0	4.0												
106302	L1163016	692094	92997		4.0	6.0												
106303	L1163017	692099	93024		0.0	1.0	0.920	0.59		1.200	1.2	U						
106303	L1163018	692099	93024		1.0	2.0												
106303	L1163019	692099	93024		2.0	4.0												
106303	L1163020	692099	93024		4.0	6.0												
106304	L1163021	692101	93040		0.0	1.0	0.840	0.68		1.400	1.4	U						
106304	L1163022	692101	93040		1.0	2.0												
106304	L1163023	692101	93040		2.0	4.0												
106304	L1163024	692101	93040		4.0	6.0												
106305	L1163025	692073	93131		0.0	1.0	1.000	0.68		1.400	1.4	U						
106305	L1163026	692073	93131		1.0	2.0												
106305	L1163027	692073	93131		1.0	2.0												
106305	L1163028	692073	93131		2.0	4.0												
106305	L1163029	692073	93131		4.0	6.0												
106306	L1163030	692055	93147		0.0	1.0	0.660	0.66	U	1.300	1.3	U						
106306	L1163031	692055	93147		1.0	2.0												
106306	L1163032	692055	93147		2.0	4.0												
106306	L1163033	692055	93147		4.0	6.0												
106307	L1163034	692088	93113		0.0	1.0	1.000	1.2		1.200	1.2	U						
106307	L1163035	692088	93113		1.0	2.0												
106307	L1163036	692088	93113		2.0	4.0												
106307	L1163037	692088	93113		4.0	6.0												
106308	L1163038	692094	93102		0.0	1.0	0.620	1.3		1.300	1.3	U						
106308	L1163039	692094	93102		1.0	2.0												
106308	L1163040	692094	93102		2.0	4.0												
106308	L1163041	692094	93102		4.0	6.0												
106401	L1164001	692022	93174		0.0	1.0	0.660	0.66	U	1.300	1.3	U						
106401	L1164002	692022	93174		1.0	2.0												
106401	L1164003	692022	93174		2.0	4.0												
106401	L1164004	692022	93174		4.0	6.0												
106401	L1164018	692022	93174		0.0	1.0	0.610	0.61	U	1.200	1.2	U						
106402	L1164005	692011	93185		0.0	1.0	0.650	0.65	U	1.300	1.3	U						
106402	L1164006	692011	93185		4.0	6.0												
106402	L1164007	692011	93185		2.0	4.0												
106402	L1164008	692011	93185		4.0	6.0												
106403	L1164009	692000	93195		0.0	1.0	0.620	0.62	U	1.200	1.2	U						

Table B-2-4. TNA Post-Excavation Soil Characterization Data Remaining for Metals at Line 1 :

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Selenium			Silver			Thallium			Vanadium		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^b :							---	---	---	---	---	---	143	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^b :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^c :							5,800	---	---	5,800	---	---	23	---	---	5,800	---	---
<i>Eco CC</i> ^d :							1.61	---	---	91.7	---	---	19.1	---	---	1,774	---	---
106403	L1164010	692000	93195		1.0	2.0												
106403	L1164011	692000	93195		2.0	4.0												
106403	L1164012	692000	93195		4.0	6.0												
106403	L1164013	692000	93195		4.0	6.0												
106404	L1164014	691970	93215		2.0	4.0	1.500	0.65		1.300	1.3	U						
106404	L1164015	691970	93215		1.0	2.0												
106404	L1164016	691970	93215		2.0	4.0												
106404	L1164017	691970	93215		4.0	6.0												
106501	L1165001	692089	92859		0.0	1.0	0.540	0.54	U	1.100	1.1	U						
106501	L1165002	692089	92859		1.0	2.0												
106501	L1165003	692089	92859		2.0	4.0												
106501	L1165004	692089	92859		4.0	6.0												
106501	L1165005	692089	92859		4.0	6.0												
106502	L1165006	692086	92848		0.0	1.0	1.600	0.63		1.300	1.3	U						
106502	L1165007	692086	92848		1.0	2.0												
106502	L1165008	692086	92848		2.0	4.0												
106502	L1165009	692086	92848		4.0	6.0												
106503	L1165010	692175	92980		0.0	1.0	1.500	0.64		1.300	1.3	U						
106503	L1165011	692175	92980		1.0	2.0												
106503	L1165012	692175	92980		2.0	4.0												
106503	L1165013	692175	92980		4.0	6.0												
106503	L1165030	692175	92980		1.0	2.0												
106504	L1165014	692161	92912		0.0	1.0	1.500	0.63		1.300	1.3	U						
106504	L1165015	692161	92912		1.0	2.0												
106504	L1165016	692161	92912		2.0	4.0												
106504	L1165017	692161	92912		4.0	6.0												
106505	L1165018	692194	92823		0.0	1.0	1.600	0.63		1.300	1.3	U						
106505	L1165019	692194	92823		1.0	2.0												
106505	L1165020	692194	92823		2.0	4.0												
106505	L1165021	692194	92823		4.0	6.0												
106506	L1165022	692273	92884		0.0	1.0	2.000	0.66		1.300	1.3	U						
106506	L1165023	692273	92884		1.0	2.0												
106506	L1165024	692273	92884		2.0	4.0												
106506	L1165025	692273	92884		4.0	6.0												
106507	L1165026	692267	92904		0.0	1.0	1.500	1.2		1.200	1.2	U						
106507	L1165027	692267	92904		1.0	2.0												
106507	L1165028	692267	92904		2.0	4.0												

Table B-2-4. TNA Post-Excavation Soil Characterization Data Remaining for Metals at Line 1 :

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Selenium			Silver			Thallium			Vanadium		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^b :							---	---	---	---	---	---	143	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^b :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^c :							5,800	---	---	5,800	---	---	23	---	---	5,800	---	---
<i>Eco CC</i> ^d :							<i>1.61</i>	---	---	<i>91.7</i>	---	---	<i>19.1</i>	---	---	<i>1,774</i>	---	---
106507	L1165029	692267	92904		4.0	6.0												
106507	L1165031	692267	92904		0.0	1.0	0.610	0.61	U	1.200	1.2	U						
106601	L1166001	691723	92395		0.0	1.0	0.650	0.65	U	1.300	1.3	U						
106601	L1166002	691723	92395		1.0	2.0												
106601	L1166003	691723	92395		2.0	4.0												
106601	L1166004	691723	92395		4.0	6.0												
106602	L1166007	691680	92381		0.0	1.0	0.830	0.83	U	1.700	1.7	U						
106602	L1166008	691680	92381		1.0	2.0												
106602	L1166009	691680	92381		2.0	4.0												
106602	L1166010	691680	92381		4.0	6.0												
106701	L1167001	691949	93193		0.0	1.0	0.610	0.61	U	1.200	1.2	U						
106701	L1167002	691949	93193		1.0	2.0												
106701	L1167003	691949	93193		2.0	4.0												
106701	L1167004	691949	93193		4.0	6.0												
106702	L1167005	691953	93162		0.0	1.0	1.400	0.63		1.300	1.3	U						
106702	L1167006	691953	93162		1.0	2.0												
106702	L1167007	691953	93162		1.0	2.0												
106702	L1167008	691953	93162		4.0	6.0												
106703	L1167009	691973	93141		0.0	1.0	0.620	0.62	U	1.200	1.2	U						
106703	L1167010	691973	93141		1.0	2.0												
106703	L1167011	691973	93141		2.0	4.0												
106703	L1167012	691973	93141		4.0	6.0												
107001	L1170001	691981	92458		0.0	1.0	1.100	1.2		1.200	1.2	U						
107001	L1170002	691981	92458		1.0	2.0												
107001	L1170003	691981	92458		2.0	4.0												
107001	L1170004	691981	92458		4.0	6.0												
107002	L1170005	691961	92498		0.0	1.0	<i>2.100</i>	0.72		1.400	1.4	U						
107002	L1170006	691961	92498		1.0	2.0												
107002	L1170007	691961	92498		2.0	4.0												
107002	L1170008	691961	92498		4.0	6.0												
107004	L1170014	691976	92478		0.0	1.0	0.370	1.2		1.200	1.2	U						
107004	L1170015	691976	92478		1.0	2.0												
107004	L1170016	691976	92478		2.0	4.0												
107004	L1170017	691976	92478		4.0	6.0												
107101	L1171001	691874	92664		0.0	1.0	1.100	0.62		1.200	1.2	U						
107101	L1171002	691874	92664		1.0	2.0												
107101	L1171003	691874	92664		2.0	4.0												

Table B-2-4. TNA Post-Excavation Soil Characterization Data Remaining for Metals at Line 1 :

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Selenium			Silver			Thallium			Vanadium		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^b :							---	---	---	---	---	---	143	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^b :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^c :							5,800	---	---	5,800	---	---	23	---	---	5,800	---	---
<i>Eco CC</i> ^d :							<i>1.61</i>	---	---	<i>91.7</i>	---	---	<i>19.1</i>	---	---	<i>1,774</i>	---	---
107101	L1171004	691874	92664		4.0	6.0												
107201	L1172001	691875	92586		0.0	1.0	0.680	1.3		1.300	1.3	U						
107201	L1172002	691875	92586		1.0	2.0												
107201	L1172003	691875	92586		2.0	4.0												
107201	L1172004	691875	92586		4.0	6.0												
107201	L1172005	691875	92586		4.0	6.0												
107303	L1173009	691882	92517		0.0	1.0	1.400	0.91		1.800	1.8	U						
107303	L1173010	691882	92517		1.0	2.0												
107303	L1173011	691882	92517		2.0	4.0												
107303	L1173012	691882	92517		4.0	6.0												
107304	L1173013	691895	92491		0.0	1.0	0.560	1.2		1.200	1.2	U						
107304	L1173014	691895	92491		1.0	2.0												
107304	L1173015	691895	92491		2.0	4.0												
107304	L1173016	691895	92491		4.0	6.0												
107305	L1173017	691925	92475		0.0	1.0	0.830	1.3		1.300	1.3	U						
107305	L1173018	691925	92475		1.0	2.0												
107305	L1173019	691925	92475		2.0	4.0												
107305	L1173020	691925	92475		4.0	6.0												
107401	L1174001	691962	92425		0.0	1.0	<i>1.800</i>	0.64		1.300	1.3	U						
107401	L1174002	691962	92425		1.0	2.0												
107401	L1174003	691962	92425		2.0	4.0												
107401	L1174004	691962	92425		4.0	6.0												
107501	L1175001	691970	92319		0.0	1.0	1.300	0.64		1.300	1.3	U						
107501	L1175002	691970	92319		1.0	2.0												
107501	L1175003	691970	92319		2.0	4.0												
107501	L1175004	691970	92319		4.0	6.0												
107601	L1176001	691995	92243		0.0	1.0	<i>3.200</i>	1.9		1.300	1.3	U						
107601	L1176002	691995	92243		1.0	2.0												
107601	L1176003	691995	92243		1.0	2.0												
107601	L1176004	691995	92243		2.0	4.0												
107601	L1176005	691995	92243		4.0	6.0												
107701	L1177001	691839	93355		0.0	1.0	<i>1.800</i>	0.69		1.400	1.4	U						
107701	L1177002	691839	93355		1.0	2.0												
107701	L1177003	691839	93355		2.0	4.0												
107701	L1177004	691839	93355		4.0	6.0												
108501	L1185001	692145	93053		0.0	1.0	0.790	0.6		1.200	1.2	U						
108501	L1185002	692145	93053		1.0	2.0												

Table B-2-4. TNA Post-Excavation Soil Characterization Data Remaining for Metals at Line 1 :

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Selenium			Silver			Thallium			Vanadium		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^b :							---	---	---	---	---	---	143	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^b :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^c :							5,800	---	---	5,800	---	---	23	---	---	5,800	---	---
<i>Eco CC</i> ^d :							<i>1.61</i>	---	---	<i>91.7</i>	---	---	<i>19.1</i>	---	---	<i>1,774</i>	---	---
108501	L1185003	692145	93053		2.0	4.0												
108501	L1185004	692145	93053		4.0	6.0												
108502	L1185005	692193	93114		0.0	1.0	0.590	0.59	U	1.200	1.2	U						
108502	L1185006	692193	93114		1.0	2.0												
108502	L1185007	692193	93114		1.0	2.0												
108502	L1185009	692193	93114		4.0	6.0												
110001	L11100001	691889	92747		0.0	1.0	1.900	0.74		210.000	1.5							
110001	L11100002	691889	92747		1.0	2.0												
110001	L11100003	691889	92747		2.0	4.0												
110001	L11100004	691889	92747		2.0	4.0												
110003	L11100009	691958	92733		4.0	6.0												
110003	L11100010	691958	92733		0.0	1.0	1.300	0.6		1.200	1.2	U						
110003	L11100011	691958	92733		1.0	2.0												
110003	L11100012	691958	92733		1.0	2.0												
110003	L11100013	691958	92733		2.0	4.0												
110003	L11100014	691958	92733		4.0	6.0												
110021	L111002001	691703	92269		0.0	1.0	1.600	1.3		0.660	1.3							
110021	L111002002	691703	92269		0.0	1.0	2.000	0.65		1.300	1.3	U						
110021	L111002003	691703	92269		1.0	2.0												
110021	L111002004	691703	92269		2.0	4.0												
110021	L111002005	691703	92269		4.0	6.0												
110021	L111002006	691703	92269		4.0	6.0												
112421	L11124001	691974	93402		1.0	2.0												
112421	L11124002	691974	93402		2.0	4.0												
112421	L11124003	691974	93402		4.0	6.0												
112422	L11124004	691977	93392		1.0	2.0												
112422	L11124005	691977	93392		2.0	4.0												
112422	L11124006	691977	93392		4.0	6.0												
112423	L11124007	691956	93454		1.0	2.0												
112423	L11124008	691956	93454		2.0	4.0												
112423	L11124009	691956	93454		4.0	6.0												
112901	L11129001	691933	93378		1.0	2.0												
112901	L11129002	691933	93378		2.0	4.0												
112901	L11129003	691933	93378		4.0	6.0												
112902	L11129004	691961	93373		1.0	2.0												
112902	L11129005	691961	93373		2.0	4.0												
112902	L11129006	691961	93373		2.0	4.0												

Table B-2-4. TNA Post-Excavation Soil Characterization Data Remaining for Metals at Line 1 :

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Selenium			Silver			Thallium			Vanadium		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^b :							---	---	---	---	---	---	143	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^b :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^c :							5,800	---	---	5,800	---	---	23	---	---	5,800	---	---
<i>Eco CC</i> ^d :							<i>1.61</i>	---	---	<i>91.7</i>	---	---	<i>19.1</i>	---	---	<i>1,774</i>	---	---
112903	L11129007	691939	93367		1.0	2.0												
112903	L11129008	691939	93367		2.0	4.0												
112903	L11129009	691939	93367		4.0	6.0												
115201	L11152001	691670	93440		1.0	2.0												
115201	L11152002	691670	93440		2.0	4.0												
115202	L11152003	691677	93430		1.0	2.0												
115202	L11152004	691677	93430		2.0	4.0												
115203	L11152005	691655	93409		1.0	2.0												
115203	L11152006	691655	93409		2.0	4.0												
115204	L11152007	691646	93444		1.0	2.0												
115204	L11152008	691646	93444		2.0	4.0												
115205	L11152009	691681	93484		1.0	2.0												
115205	L11152009DL	691681	93484		1.0	2.0												
115205	L11152011	691681	93484		2.0	4.0												
115206	L11152012	691648	93431		1.0	2.0												
115206	L11152013	691648	93431		2.0	4.0												
115207	L11152014	691651	93420		1.0	2.0												
115207	L11152015	691651	93420		2.0	4.0												
115501	L11155001	691829	92890		0.0	1.0	1.000	0.63		1.300	1.3	U						
115501	L11155002	691829	92890		1.0	2.0												
115501	L11155003	691829	92890		2.0	4.0												
115501	L11155004	691829	92890		4.0	6.0												
115501	L11155005	691829	92890		4.0	6.0												
115502	L11155006	691921	92626		0.0	1.0	0.310	1.2		1.200	1.2	U						
115502	L11155007	691921	92626		1.0	2.0												
115502	L11155008	691921	92626		2.0	4.0												
115502	L11155009	691921	92626		4.0	6.0												
115503	L11155010	692016	92333		0.0	1.0	1.500	0.62		1.200	1.2	U						
115503	L11155011	692016	92333		1.0	2.0												
115503	L11155012	692016	92333		2.0	4.0												
116901	L11169001	691798	92297		0.0	1.0												
116901	L11169002	691798	92297		1.0	2.0												
116902	L1169003	691703	93210		0.0	1.0												
116902	L1169004	691703	93210		1.0	2.0												
116903	L11169005	691920	92946		0.0	1.0												
116903	L11169006	691920	92946		1.0	2.0												
116904	L11169007	691946	92866		0.0	1.0												

Table B-2-4. TNA Post-Excavation Soil Characterization Data Remaining for Metals at Line 1 :

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Selenium			Silver			Thallium			Vanadium		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^b :							---	---	---	---	---	---	143	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^b :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^c :							5,800	---	---	5,800	---	---	23	---	---	5,800	---	---
<i>Eco CC</i> ^d :							<i>1.61</i>	---	---	<i>91.7</i>	---	---	<i>19.1</i>	---	---	<i>1,774</i>	---	---
116904	L11169008	691946	92866		1.0	2.0												
116905	L11169009	692120	92125		0.0	1.0												
116905	L11169010	692120	92125		1.0	2.0												
116906	L11169011	692028	92646		1.0	2.0												
116907	L11169013	692114	92355		0.0	1.0												
116907	L11169014	692114	92355		1.0	2.0												
116908	L11169016	692066	92273		0.0	1.0												
116908	L11169017	692066	92273		1.0	2.0												
116909	L11169018	691757	92233		0.0	1.0												
116909	L11169019	691757	92233		1.0	2.0												
116910	L11169020	691979	93373		0.0	1.0												
116910	L11169021	691979	93373		1.0	2.0												
116911	L11169022	691769	93328		0.0	1.0												
116911	L11169023	691769	93328		1.0	2.0												
116912	L11169024	691863	93415		0.0	1.0												
116912	L11169025	691863	93415		1.0	2.0												
116913	L11169026	691701	92898		0.0	1.0												
116913	L11169027	691701	92898		1.0	2.0												
116914	L11169028	691725	93411		0.0	1.0												
116914	L11169028DL	691725	93411		0.0	1.0												
116914	L11169029	691725	93411		1.0	2.0												
116914	L11169029DL	691725	93411		1.0	2.0												
116915	L11169030	691883	93355		0.0	1.0												
116915	L11169031	691883	93355		0.0	1.0												
116916	L11169032	692204	93063		0.0	1.0												
116916	L11169033	692204	93063		0.0	1.0												
116916	L11169034	692204	93063		1.0	2.0												
116917	L11169035	691698	92263		0.0	1.0												
116917	L11169036	691698	92263		1.0	2.0												
116918	L11169037	691949	93168		0.0	1.0												
116918	L11169038	691949	93168		1.0	2.0												
116919	L11169039	692104	92656		0.0	1.0												
116919	L11169040	692104	92656		1.0	2.0												
116920	L11169041	691813	92098		0.0	1.0												
116920	L11169042	691813	92098		1.0	2.0												
116920	L11169043	691813	92098		1.0	2.0												
116921	L11169044	692141	92572		0.0	1.0												

Table B-2-4. TNA Post-Excavation Soil Characterization Data Remaining for Metals at Line 1 :

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Selenium			Silver			Thallium			Vanadium		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^b :							---	---	---	---	---	---	143	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^b :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^c :							5,800	---	---	5,800	---	---	23	---	---	5,800	---	---
<i>Eco CC</i> ^d :							<i>1.61</i>	---	---	<i>91.7</i>	---	---	<i>19.1</i>	---	---	<i>1,774</i>	---	---
116921	L11169045	692141	92572		1.0	2.0												
116922	L11169046	692089	92779		0.0	1.0												
116922	L11169047	692089	92779		1.0	2.0												
116925	L11169052	691675	93311		0.0	1.0												
116925	L11169053	691675	93311		1.0	2.0												
160302	L1163014	692094	92997		1.0	2.0												
163701	L1163001	691731	92351		0.0	1.0	0.850	0.68		1.400	1.4	U						
163701	L1163002	691731	92351		1.0	2.0												
163701	L1163003	691731	92351		2.0	4.0												
163701	L1163004	691731	92351		4.0	6.0												
163702	L1163005	691759	92309		0.0	1.0	1.100	0.81		1.600	1.6	U						
163702	L1163006	691759	92309		1.0	2.0												
163702	L1163007	691759	92309		2.0	4.0												
163702	L1163008	691759	92309		4.0	6.0												
10DD01	L110DD001	691669	93262		0.0	1.0	0.620	0.62		0.051	1.2							
10DD01	L110DD002	691669	93262		1.0	2.0												
10DD01	L110DD003	691669	93262		2.0	4.0												
10DD01	L110DD004	691669	93262		4.0	6.0												
10DD02	L110DD005	691641	93234		0.0	1.0	0.990	1.4		1.400	1.4	U						
10DD02	L110DD006	691641	93234		1.0	2.0												
10DD02	L110DD007	691641	93234		2.0	4.0												
10DD02	L110DD008	691641	93234		4.0	6.0												
10DD03	L110DD009	691565	93119		0.0	1.0	0.770	0.67		1.300	1.3	U						
10DD03	L110DD010	691565	93119		1.0	2.0												
10DD03	L110DD011	691565	93119		2.0	4.0												
10DD03	L110DD012	691565	93119		4.0	6.0												
10DD04	L110DD013	691508	93081		0.0	1.0	0.240	0.66		1.300	1.3	U						
10DD04	L110DD014	691508	93081		1.0	2.0												
10DD04	L110DD015	691508	93081		2.0	4.0												
10DD04	L110DD016	691508	93081		2.0	4.0												
10DD04	L110DD017	691508	93081		4.0	6.0												
10DD05	L110DD018	691525	93099		0.0	1.0	1.800	0.71		1.400	1.4	U						
10DD05	L110DD019	691525	93099		1.0	2.0												
10DD07	L110DD026	691660	93153		0.0	1.0	0.880	0.62		1.200	1.2	U						
10DD07	L110DD027	691660	93153		1.0	2.0												
10DD07	L110DD028	691660	93153		2.0	4.0												
10DD07	L110DD029	691660	93153		4.0	6.0												

Table B-2-4. TNA Post-Excavation Soil Characterization Data Remaining for Metals at Line 1 :

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Selenium			Silver			Thallium			Vanadium		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^b :							---	---	---	---	---	---	143	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^b :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^c :							5,800	---	---	5,800	---	---	23	---	---	5,800	---	---
<i>Eco CC^d</i> :							<i>1.61</i>	---	---	<i>91.7</i>	---	---	<i>19.1</i>	---	---	<i>1,774</i>	---	---
10DD09	L110DD034	691861	92762		0.0	1.0	0.650	0.65	U	1.300	1.3	U						
10DD09	L110DD035	691861	92762		1.0	2.0												
10DD09	L110DD036	691861	92762		2.0	4.0												
10DD09	L110DD037	691861	92762		4.0	6.0												
10DD10	L110DD038	691839	92768		0.0	1.0	0.710	0.71	U	12.000	1.4							
10DD10	L110DD039	691839	92768		0.0	1.0	0.710	0.71	U	12.000	1.4							
10DD10	L110DD040	691839	92768		1.0	2.0												
10DD10	L110DD041	691839	92768		2.0	4.0												
10DD10	L110DD042	691839	92768		4.0	6.0												
10DD11	L110DD043	691762	92784		0.0	1.0	3.300	1.5		49.000	1.5							
10DD11	L110DD044	691762	92784		1.0	2.0												
10DD11	L110DD045	691762	92784		1.0	2.0												
10DD11	L110DD046	691762	92784		2.0	4.0												
10DD11	L110DD047	691762	92784		4.0	6.0												
10DD12	L110DD048	691726	92790		0.0	1.0	1.200	0.68		0.320	1.4							
10DD12	L110DD049	691726	92790		1.0	2.0												
10DD12	L110DD050	691726	92790		2.0	4.0												
10DD12	L110DD051	691726	92790		4.0	6.0												
10DD13	L110DD052	691627	92701		0.0	1.0	1.000	0.63		1.300	1.3	U						
10DD13	L110DD053	691627	92701		1.0	2.0												
10DD13	L110DD054	691627	92701		2.0	4.0												
10DD13	L110DD055	691627	92701		4.0	6.0												
10DD14	L110DD056	691617	92673		0.0	1.0	1.100	0.67		1.300	1.3	U						
10DD14	L110DD057	691617	92673		1.0	2.0												
10DD14	L110DD058	691617	92673		2.0	4.0												
10DD14	L110DD059	691617	92673		4.0	6.0												
10DD15	L110DD060	691625	92545		0.0	1.0	1.100	1.2		1.200	1.2	U						
10DD15	L110DD061	691625	92545		1.0	2.0												
10DD15	L110DD062	691625	92545		2.0	4.0												
10DD15	L110DD063	691625	92545		4.0	6.0												
10DD16	L110DD065	691588	92546		1.0	2.0												
10DD16	L110DD066	691588	92546		2.0	4.0												
10DD16	L110DD067	691588	92546		4.0	6.0												
10DD17	L110DD069	691547	92435		1.0	2.0												
10DD17	L110DD070	691547	92435		2.0	4.0												
10DD17	L110DD071	691547	92435		4.0	6.0												
10DD17	L110DD072	691547	92435		4.0	6.0												

Table B-2-4. TNA Post-Excavation Soil Characterization Data Remaining for Metals at Line 1 :

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Selenium			Silver			Thallium			Vanadium		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^b :							---	---	---	---	---	---	143	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^b :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^c :							5,800	---	---	5,800	---	---	23	---	---	5,800	---	---
<i>Eco CC</i> ^d :							1.61	---	---	91.7	---	---	19.1	---	---	1,774	---	---
10DD18	L110DD074	691582	92419		1.0	2.0												
10DD18	L110DD075	691582	92419		2.0	4.0												
10DD18	L110DD076	691582	92419		4.0	6.0												
10DD19	L110DD077	691678	92547		0.0	1.0	1.300	0.74		1.500	1.5	U						
10DD19	L110DD078DL	691678	92547		1.0	2.0												
10DD19	L110DD079DL	691678	92547		2.0	4.0												
10DD20	L110DD081	691806	92511		0.0	1.0	0.740	0.64		1.300	1.3	U						
10DD20	L110DD082	691806	92511		1.0	2.0												
10DD20	L110DD083	691806	92511		2.0	4.0												
10DD20	L110DD084	691806	92511		4.0	6.0												
10DD21	L110DD085	691838	92504		0.0	1.0	0.420	0.66		1.300	1.3	U						
10DD21	L110DD086	691838	92504		1.0	2.0												
10DD21	L110DD087	691838	92504		2.0	4.0												
10DD21	L110DD088	691838	92504		4.0	6.0												
10DD22	L110DD089	691858	92111		0.0	1.0	2.200	0.67		1.300	1.3	U						
10DD22	L110DD090	691858	92111		1.0	2.0												
10DD22	L110DD091	691858	92111		2.0	4.0												
10DD22	L110DD092	691858	92111		4.0	6.0												
10DD23	L110DD094	691798	92021		1.0	2.0												
10DD23	L110DD095	691798	92021		2.0	4.0												
10DD23	L110DD096	691798	92021		4.0	6.0												
10DD25	L110DD102	691742	92808		2.0	4.0	0.840	1.3		1.300	1.3	U						
10DD25	L110DD103	691742	92808		1.0	2.0												
10DD25	L110DD104	691742	92808		2.0	4.0												
10DD25	L110DD105	691742	92808		4.0	6.0												
10DD26	L110DD106	691759	92856		0.0	1.0	1.300	0.63		1.300	1.3	U						
10DD26	L110DD107	691759	92856		1.0	2.0												
10DD26	L110DD108	691759	92856		2.0	4.0												
10DD26	L110DD109	691759	92856		4.0	6.0												
10DD27	L110DD110	691918	91943		0.0	1.0	1.500	1.3		1.300	1.3	U						
10DD27	L110DD111	691918	91943		1.0	2.0												
10DD27	L110DD112	691918	91943		2.0	4.0												
10DD27	L110DD113	691918	91943		4.0	6.0												
10DD28	L110DD115	691840	91886		1.0	2.0												
10DD28	L110DD116	691840	91886		2.0	4.0												
10DD28	L110DD117	691840	91886		4.0	6.0												
10DD29	L110DD131	691632	93305		0.0	1.0	1.600	0.63		1.300	1.3	U						

Table B-2-4. TNA Post-Excavation Soil Characterization Data Remaining for Metals at Line 1 :

Station Name	Sample Name	Easting	Northing	Date Collected	Start Depth (ft)	End Depth (ft)	Selenium			Silver			Thallium			Vanadium		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^b :							---	---	---	---	---	---	143	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^b :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^c:							5,800	---	---	5,800	---	---	23	---	---	5,800	---	---
<i>Eco CC^d:</i>							<i>1.61</i>	---	---	<i>91.7</i>	---	---	<i>19.1</i>	---	---	<i>1,774</i>	---	---
10DD29	L110DD132	691632	93305		1.0	2.0												
10DD29	L110DD133	691632	93305		2.0	4.0												
10DD29	L110DD134	691632	93305		4.0	6.0												
Maximum Reported Concentration (Detects and Non-Detects):							3.300	---		210.000	---		---	---	---	---	---	---
Maximum Detected Concentration:							3.300	---		210.000	---		---	---	---	---	---	---
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0):							---	---	---	---	---	---	0	---	---	---	---	---
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection):							---	---	---	---	---	---	---	---	---	---	---	---
Number of Sample Results Greater than USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0):							0	---	---	0	---	---	0	---	---	0	---	---
Number of Sample Results Greater than Eco CC:							34	---	---	1	---	---	0	---	---	0	---	---

^a The IAAAP OU-1 ROD RG and RSL (USEPA 2018a) for industrial soil are presented for chromium are for hexavalent chromium.

^b Gray-shaded concentrations exceed the corresponding IAAAP OU-1 ROD RGs protective of an industrial worker ingesting soil (USACE 1998a).

^c Concentrations in **bold** exceed the corresponding RSLs (USEPA 2017) protective of an industrial worker exposed to soil via ingestion, dermal contact, and dust inhalation.

^d Concentrations in *italics* exceed the corresponding Eco CCs calculated for Line 1.

Notes:

"--" Indicates that there is no comparison value available.

All results and comparison values are in mg/kg.

NA - Maximum detected result is not available because all results reported for the parameter are non-detect.

VQ symbols indicate: “=” positive identification, positive quantitation, no reason to estimate,

“U” non-detect, no reason to estimate, “J” positive identification, estimated quantitation,

“UJ” analyte was not detected and had QC deficiencies.

ATTACHMENT B-3

LINE 1 VERIFICATION DATA

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Table B-3-1. Soil Verification Data for Explosives at Line 1 at the Time of the First Five-Year Review (mg/kg)

Exposure Unit	Excavation Area	Excavation No.	Station Name	Sample Name	Location	1,3,5-TNB			1,3-DNB			2,4,6-TNT		
						Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :						102	---	---	---	---	---	196	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :						---	---	---	---	---	---	47.6	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^b :						32,000	---	---	82	---	---	9,600	---	---
<i>Eco CC</i> ^c :						---	---	---	0.31	---	---	3.55	---	---
EU4	F	46	L1-E46-C001	IAAP137907	west wall BC 4 and 5	0.25	0.25	U	0.25	0.25	U	0.17	0.25	J
			L1-E46-C002	IAAP137908	west wall BC 6, 7 and 3	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E46-C003	IAAP137909	floor BC 1, 9, 2, 3, 7, and 6	0.25	0.25	U	0.25	0.25	U	0.23	0.25	J
			L1-E46-C004	IAAP137910	south wall BC 2, 3, and 4	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E46-C005	IAAP137911	floor BC 3, 4, 5, 6, and 7	0.25	0.25	U	0.25	0.25	U	0.21	0.25	J
			L1-E46-C006	IAAP137912	east wall BC 1, 9, and 2	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
EU5	B	12	L1-E12-C001	IAAP112282	north wall BC 1 and 12	0.29	0.29	U	0.29	0.29	U	0.29	0.29	U
			L1-E12-C002	IAAP112282-1	FD of IAAP112282	0.30	0.3	U	0.30	0.3	U	0.30	0.3	U
			L1-E12-C004	IAAP112283	east wall BC 1 and 2	0.27	0.27	U	0.27	0.27	U	0.43	0.27	=
			L1-E12-C005	IAAP112284	south wall BC 2 and 3	0.29	0.29	U	0.29	0.29	U	0.29	0.29	U
			L1-E12-C006	IAAP112285	west wall BC 8, 9, and 10; 11 and 12	0.29	0.29	U	0.29	0.29	U	0.29	0.29	U
			L1-E12-C007	IAAP112286	floor of EXC	0.29	0.29	U	0.29	0.29	U	0.29	0.29	U
EU5	D	14	L1-E14-C001	IAAP112292	north wall BC 1 and 8	0.31	0.31	U	0.31	0.31	U	0.31	0.31	U
			L1-E14-C002	IAAP112293	east wall BC 1 and 2	0.32	0.32	U	0.32	0.32	U	0.32	0.32	U
			L1-E14-C004	IAAP112295	west wall BC 7 and 8	0.32	0.32	U	0.32	0.32	U	0.32	0.32	U
			L1-E14-C005	IAAP112296	floor of EXC	0.31	0.31	U	0.31	0.31	U	0.31	0.31	U

Table B-3-1. Soil Verification Data for Explosives at Line 1 at the Time of the First Five-Year Review (mg/kg)

Exposure Unit	Excavation Area	Excavation No.	Station Name	Sample Name	Location	1,3,5-TNB			1,3-DNB			2,4,6-TNT		
						Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :						102	---	---	---	---	---	196	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :						---	---	---	---	---	---	47.6	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^b :						32,000	---	---	82	---	---	9,600	---	---
<i>Eco CC^c</i> :						---	---	---	0.31	---	---	3.55	---	---
EU5	E North	15	L1-E15-C001	IAAP112297	Wall BC 15, 1, & 2	0.29	0.29	U	0.29	0.29	U	0.29	0.29	U
			L1-E15-C004	IAAP112298	Wall BC 2, 3, 4, 5, & 6	0.28	0.28	U	0.28	0.28	U	0.28	0.28	U
			L1-E15-C007	IAAP112301	Wall BC 9, 10, 11, 12, 13, 14, & 15	0.28	0.28	U	0.28	0.28	U	0.28	0.28	U
			L1-E15-C009	IAAP112303	Floor BC 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, & 15	0.30	0.3	U	0.30	0.3	U	0.30	0.3	U
			L1-E15-C012	IAAP113264	Wall BC 6, 7, 8, & 9	0.29	0.29	U	0.29	0.29	U	0.29	0.29	U
EU5	E South	15	L1-E15-C005	IAAP112299	Wall BC 1, 2, 3, 4, 5, 6, and 7	0.29	0.29	U	0.29	0.29	U	0.29	0.29	U
			L1-E15-C006	IAAP112300	Wall BC 7, 8, and 9	0.27	0.27	U	0.27	0.27	U	0.27	0.27	U
			L1-E15-C008	IAAP112302	Wall BC 9, 10, 11, and 12	0.30	0.3	U	0.30	0.3	U	0.30	0.3	U
			L1-E15-C010	IAAP112353	Wall BC 12, 13 and 1	0.30	0.3	U	0.30	0.3	U	0.30	0.3	U
			L1-E15-C017-P4	IAAP132502	Floor BC 1, 2, 3, 4, 5, 11, 12, and 13	0.24	0.25	J	0.25	0.25	U	0.07	0.25	J
			L1-E15-C021-P4	IAAP132648	Floor BC 5,6, 10 and 11	0.91	0.25	=	0.25	0.25	U	0.25	0.25	U
			L1-E15-C022-P4	IAAP132649	Floor BC 6, 7, 8, 9, and 10	0.82	0.25	=	0.25	0.25	U	0.25	0.25	U
EU5	F	50	L1-E50-C001	IAAP138923	Wall BC 26, 27, 28, 29 and 30	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E50-C002	IAAP138924	Wall BC 17, 18, 19, 20, and 21	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E50-C003	IAAP138925	Wall BC 21, 22, 23, 24, 25, and 26	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E50-C004	IAAP138926	Floor BC 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 48, and 49	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E50-C005	IAAP138927	Wall BC 30, 31, 32, 33, 34, 35, and 36	0.06	0.25	J	0.25	0.25	U	0.06	0.25	J
			L1-E50-C007	IAAP138929	Wall BC 36, 37, 38, 39, 40, and 41	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E50-C008	IAAP138930	Wall BC 8, 9, 10, 11, 12, 13, 14, 15, 16, and 17	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E50-C009	IAAP138931	Floor BC 16, 17, 49, 48, 30, 31, 32, 33, 34, 35, 36, 37, 38, and 50	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E50-C010	IAAP138932	Floor BC 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 50, 38, 39, 40, 41, 46, and 47	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E50-C011	IAAP139424	Wall BC 41, 42, 43, 44, and 45	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E50-C012	IAAP139425	Wall BC 41 and 46	0.48	0.25	=	0.25	0.25	U	0.25	0.25	U
			L1-E50-C013	IAAP139426	Floor BC 41, 42, 43, 44, 45 and 46	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E50-C016	IAAP139427	Wall BC 1, 2, 3, 4, 5, 6, 7, and 8	0.67	0.25	=	0.25	0.25	U	0.25	0.25	U

Table B-3-1. Soil Verification Data for Explosives at Line 1 at the Time of the First Five-Year Review (mg/kg)

Exposure Unit	Excavation Area	Excavation No.	Station Name	Sample Name	Location	1,3,5-TNB			1,3-DNB			2,4,6-TNT		
						Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :						102	---	---	---	---	---	196	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :						---	---	---	---	---	---	47.6	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^b :						32,000	---	---	82	---	---	9,600	---	---
<i>Eco CC</i> ^c :						---	---	---	0.31	---	---	3.55	---	---
EU5	G	17	L1-E17-C002	IAAP112310	east wall BC 8, 9, and 10	0.30	0.3	U	0.30	0.3	U	0.37	0.3	=
			L1-E17-C011	IAAP131818	north wall BC 1, 2, and 3	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E17-C009	IAAP131816	floor BC 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15 and 16	0.25	0.25	U	0.25	0.25	U	0.48	0.25	=
			L1-E17-C010	IAAP131817	floor BC 1, 2, 3, 4, 5, 16, and 17	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
EU5	K	21	L1-E21-C001	IAAP112331	Wall BC 1 and 2	0.31	0.31	U	0.31	0.31	U	0.31	0.31	U
			L1-E21-C002	IAAP112332	Wall BC 2 and 3	0.31	0.31	U	0.31	0.31	U	0.31	0.31	U
			L1-E21-C004	IAAP112334	Wall BC 1 and 23	0.30	0.3	U	0.30	0.3	U	0.30	0.3	U
			L1-E21-C005	IAAP112335	Floor BC 1, 2, 3, 24, and 23	0.35	0.35	U	0.35	0.35	U	0.35	0.35	U
			L1-E21-C010-P4	IAAP131855	Wall BC 4, 5, and 6	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E21-C011-P4	IAAP131856	Wall BC 19, 20, 21, and 22	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E21-C012-P4	IAAP131857	Floor BC 3, 4, 5, 6, 7, 8, 9, 18, 19, 20, 21, 22, 23, and 24	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E1-C014	IAAP132640	Wall BC 9, 10, 11, and 12	0.25	0.25	U	0.25	0.25	U	0.09	0.25	J
			L1-E1-C015	IAAP132641	Wall BC 13, 14, 15, 16, 17, and 18	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E21-C017	IAAP133121	Floor BC 9, 10, 11, 12, 13, 14, 15, 16, 17, and 18	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E21-C020	IAAP133122	Floor BC 25, 26, 27, and 28	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E21-C021	IAAP133123	Wall BC 26 and 27	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E21-C022	IAAP133124	Wall BC 25 and 28	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E21-C023	IAAP133125	Wall BC 27 and 28	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
L1-E21-C024	IAAP133126	Wall BC 25 and 26	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U			
EU5	N	55	L1-E55-C001	IAAP144023	Wall BC 1 and 13	0.25	0.25	U	0.25	0.25	U	0.19	0.25	J
			L1-E55-C004	IAAP144024	Wall BC 7 and 8	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E55-C005	IAAP144025	Wall BC 6 and 7	0.25	0.25	U	0.25	0.25	U	0.09	0.25	J
			L1-E55-C006	IAAP144026	Floor BC 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, and 13	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E55-C007	IAAP144027	Ramp BC 4, 5, 22 and 23	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E55-C008	IAAP144028	Wall BC 19, 20, and 21 & BC 25 and 26	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E55-C009	IAAP144029	Wall BC 14, 15, 27 and 28 & BC 1 and 2	0.25	0.25	U	0.25	0.25	U	0.42	0.25	=
			L1-E55-C010	IAAP144030	Wall BC 15 and 26	0.06	0.25	J	0.25	0.25	U	0.23	0.25	J
L1-E55-C011	IAAP144031	Floor BC 14, 15, 26, 25, 16, 24, 17, 20, 21, 19, and 18	0.25	0.25	U	0.25	0.25	U	0.23	0.25	J			

Table B-3-1. Soil Verification Data for Explosives at Line 1 at the Time of the First Five-Year Review (mg/kg)

Exposure Unit	Excavation Area	Excavation No.	Station Name	Sample Name	Location	1,3,5-TNB			1,3-DNB			2,4,6-TNT		
						Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :						102	---	---	---	---	---	196	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :						---	---	---	---	---	---	47.6	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^b :						32,000	---	---	82	---	---	9,600	---	---
<i>Eco CC</i> ^c :						---	---	---	0.31	---	---	3.55	---	---
EU5	O	56	L1-E56-C001	IAAP143936	Wall BC 1, 6, & 5	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E56-C002	IAAP143937	Wall BC 2, 3, & 4	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E56-C003	IAAP143938	Wall BC 4 & 5	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E56-C004	IAAP143939	Floor BC 1, 2, 3, 4, 5, & 6	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
EU5	P	57	L1-E57-C001	IAAP144578	Wall BC 16 & 17	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E57-C002	IAAP144579	Wall BC 1 & 17	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E57-C003	IAAP144580	Wall BC 15 & 16	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E57-C004	IAAP144581	Floor BC 1, 15, 16 & 17	0.67	0.25	=	0.25	0.25	U	0.22	0.25	J
			L1-E57-C005	IAAP144582	Wall BC 13, 14, & 15	0.05	0.25	J	0.25	0.25	U	0.25	0.25	U
			L1-E57-C006	IAAP144583	Wall BC 12 & 13	0.63	0.25	=	0.25	0.25	U	0.94	0.25	=
			L1-E57-C007	IAAP144584	Wall BC 9, 10, 11, & 12	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E57-C010	IAAP144585	Wall BC 5, 6, 7, 8, & 9	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E57-C011	IAAP144586	Wall BC 3 & 4	0.25	0.25	U	0.25	0.25	U	0.16	0.25	J
			L1-E57-C012	IAAP144587	Floor BC 1, 2, 3, 8, 9, 10, 11, 12,13, 14, &15	2.30	0.25	=	0.25	0.25	U	0.24	0.25	J
			L1-E57-C013-P2	IAAP144941	Floor BC 3, 4, 5, 6, 7, & 8	0.10	0.25	J	0.25	0.25	U	0.25	0.25	U
L1-E57-C014	IAAP144589	Wall BC 2 & 3	0.13	0.25	J	0.25	0.25	U	0.59	0.25	=			
L1-E57-C015	IAAP144590	Wall BC 1 & 2	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U			

Table B-3-1. Soil Verification Data for Explosives at Line 1 at the Time of the First Five-Year Review (mg/kg)

Exposure Unit	Excavation Area	Excavation No.	Station Name	Sample Name	Location	1,3,5-TNB			1,3-DNB			2,4,6-TNT		
						Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :						102	---	---	---	---	---	196	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :						---	---	---	---	---	---	47.6	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^b :						32,000	---	---	82	---	---	9,600	---	---
<i>Eco CC</i> ^c :						---	---	---	0.31	---	---	3.55	---	---
EU5	Q	58	L1-E58-C008	IAAP151730	Wall BC 18, 19, & 20	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E58-C009	IAAP151731	Wall BC 16, 17, & 18	0.24	0.24	U	0.24	0.24	U	0.24	0.24	U
			L1-E58-C010	IAAP151732	Wall BC 6, 7, 8, & 9	0.23	0.23	U	0.23	0.23	U	0.23	0.23	U
			L1-E58-C011	IAAP151733	Wall BC 9, 10, 11, & 12	0.24	0.24	U	0.24	0.24	U	0.24	0.24	U
			L1-E58-C013	IAAP151735	Wall BC 12 & 13	0.24	0.24	U	0.24	0.24	U	0.24	0.24	U
			L1-E58-C014	IAAP151736	Floor BC 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 16, 17, 18, 19, & 20	0.24	0.24	U	0.24	0.24	U	0.24	0.24	U
			L1-E58-C015	IAAP151737	Wall BC 15 & 16	0.23	0.23	U	0.23	0.23	U	0.23	0.23	U
			L1-E58-C016	IAAP151738	Wall BC 13 & 14	0.23	0.23	U	0.23	0.23	U	0.23	0.23	U
			L1-E58-C017	IAAP151739	Wall BC 14 & 15	0.22	0.22	U	0.22	0.22	U	0.22	0.22	U
			L1-E58-C018	IAAP151740	Floor BC 13, 14, 15, & 16	0.22	0.22	U	0.22	0.22	U	0.22	0.22	U
			L1-E58-C022-P2	IAAP165446	Floor 21, 22, 23, 36, 37, 38, 31, 32, 34, & 35	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E58-C023-P3	IAAP165496	Wall BC 25 & 26	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E58-C028	IAAP157270	Wall BC 33 & 63	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E58-C029	IAAP157271	Wall BC 32 & 63	0.24	0.24	U	0.24	0.24	U	0.24	0.24	U
			L1-E58-C030-P4	IAAP166001	Floor BC 26, 27, 28, 29, 30, 31, & 38	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E58-C031-P3	IAAP165556	Wall BC 26, 27, & 28	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E58-C032	IAAP157274	Wall BC 61 & 62	0.24	0.24	U	0.24	0.24	U	0.24	0.24	U
			L1-E58-C034	IAAP157278	Wall BC 21 & 22	0.23	0.23	U	0.23	0.23	U	0.23	0.23	U
			L1-E58-C035-P2	IAAP165445	Wall BC 21, 35, & 34	0.23	0.25	J	0.25	0.25	U	0.25	0.25	U
			L1-E58-C036	IAAP165451	Wall BC 29, 30, 31, & 32	0.25	0.25	U	0.25	0.25	U	0.08	0.25	J
			L1-E58-C037	IAAP165495	Wall BC 22, 23, 24 & 25	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E58-C038	IAAP165497	Floor BC 23, 24, 25, 26, 37, & 36	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E58-C039	IAAP166000	Wall BC 28 & 29	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E58-C040	IAAP166002	Wall BC 45, 46, 47, & 48	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E58-C043	IAAP166003	Floor BC 40, 41, 42, 43, 44, 45, 46, 47, & 48	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E58-C044	IAAP166004	Wall BC 40, 41, 42, & 43	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
L1-E58-C045-P2	IAAP166379	Wall 55, 56, 57, 58, 59 & 60	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U			
L1-E58-C046-P3	IAAP167012	Floor 50, 51, 52, 53, 54, 55, 56, 57, 58, 59 & 60	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U			
L1-E58-C047	IAAP166009	Wall 50, 51, 52, 53, 54, & 55	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U			
L1-E58-C048	IAAP167013	Wall BC 52 & 53	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U			
L1-E58-C049	IAAP167014	Wall BC 55, 56, & 57	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U			

Table B-3-1. Soil Verification Data for Explosives at Line 1 at the Time of the First Five-Year Review (mg/kg)

Exposure Unit	Excavation Area	Excavation No.	Station Name	Sample Name	Location	1,3,5-TNB			1,3-DNB			2,4,6-TNT		
						Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :						102	---	---	---	---	---	196	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :						---	---	---	---	---	---	47.6	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^b :						32,000	---	---	82	---	---	9,600	---	---
<i>Eco CC</i> ^c :						---	---	---	0.31	---	---	3.55	---	---
EU5	Q North	58	L1-E58-C001	IAAP150654	Wall BC 1 & 2	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E58-C002	IAAP150655	Wall BC 3 & 4	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E58-C003	IAAP150657	Floor BC 1, 2, 3, & 4	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E58-C004	IAAP150658	Wall BC 2 & 3	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E58-C005	IAAP150656	Wall BC 1 & 4	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
EU6	A	23	L1-E23-C009	IAAP137935	north wall BC7, 8, 9, 10, 11, and 12	0.25	0.25	U	0.25	0.25	U	0.79	0.25	=
			L1-E23-C010-P2	IAAP138635	south wall BC 1, 2, 3, and 4	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E23-C011	IAAP137937	west wall BC 4, 5, 6, and 7	0.06	0.25	J	0.25	0.25	U	1.80	0.25	=
			L1-E23-C012	IAAP137938	floor of EXC	0.25	0.25	U	0.25	0.25	U	3.10	0.25	=
EU6	B	47	L1-E47-C001	IAAP138781	floor of EXC	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E47-C002	IAAP138782	north wall BC 9, 10, 11, 12, and 1	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E47-C003	IAAP138783	east wall BC 1, 2, and 3	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E47-C004	IAAP138784	south wall BC 3, 4, 5, 6, and 7	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E47-C005	IAAP138785	west wall BC 7, 8, and 9	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
EU6	C	49	L1-E49-C001	IAAP138902	Floor BC 40, 41, 42, and 43	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E49-F001	IAAP138917	Wall BC 42 and 43	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E49-C002	IAAP139501	Floor BC 36, 37, 38, and 39	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E49-C003	IAAP139502	Wall BC 36 and 39	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E49-C004	IAAP139828	Wall BC 31, 32, and 33	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E49-C005-P2	IAAP140363	Wall BC 20, 22, 23, 24, 25, 26, 27, 30, and 31	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E49-C006	IAAP139830	Wall BC 1, 2, 3, 4, 5, 6, 7, and 8	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E49-C009	IAAP139831	Floor BC 1, 2, 3, 4, 5, 6, 7, 8, 29, 28, 27, 30, 31, 32, 33, 34, and 35	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E49-C010-P2	IAAP140362	Floor BC 8, 9, 10, 11, 12, 21, 20, 22, 23, 24, 25, 26, 27, 28, and 29	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E49-C011	IAAP139833	Wall BC 8, 9, 10, 11, and 12	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E49-C012	IAAP139991	Wall BC 18, 19, and 20	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E49-C013	IAAP139992	Wall BC 12, 13, 14, and 15	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E49-C014	IAAP139993	Wall BC 15, 16, 17, and 18	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E49-C015	IAAP139994	Floor BC 12, 13, 14, 15, 16, 17, 18, 19, 20, and 21	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
EU6	D	51	L1-E51-C001	IAAP139117	Wall BC 1, 2, 3, and 4	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E51-C004	IAAP139118	Wall BC 4, 5, 6, and 7	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E51-C005	IAAP139119	Wall BC 7, 8, and 9	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E51-C006	IAAP139120	Wall BC 9, 10, and 1	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E51-C007	IAAP139121	Floor BC 1, 2, 3, 4, 5, 6, 7, 8, 9, and 10	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U

Table B-3-1. Soil Verification Data for Explosives at Line 1 at the Time of the First Five-Year Review (mg/kg)

Exposure Unit	Excavation Area	Excavation No.	Station Name	Sample Name	Location	1,3,5-TNB			1,3-DNB			2,4,6-TNT		
						Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :						102	---	---	---	---	---	196	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :						---	---	---	---	---	---	47.6	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^b :						32,000	---	---	82	---	---	9,600	---	---
<i>Eco CC</i> ^c :						---	---	---	0.31	---	---	3.55	---	---
EU7	A & B	24 & 25	L1-E24/25-C001	IAAP132628	Floor BC 20, 21, 22 & 23	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E24/25-C002	IAAP132629	Floor BC 13, 14, 15, 16, 17, 18, 19, 20, 23, & 24	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E24/25-C003	IAAP132630	Floor BC 24, 26, 27, 28, 29, & 25	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E24/25-C004	IAAP132631	Floor BC 11, 12, 13, 24, 25, & 29	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E24/25-C005	IAAP132632	Floor BC 30, 53, 54, & 31	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E24/25-C006	IAAP132633	Floor BC 8, 9, 10, 11, 29, 30, 31, & 32	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E24/25-C009-P2	IAAP133094	Wall BC 17, 18, 19, & 20	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E24/25-C010	IAAP132635	Wall BC 8, 9, 10, 11, 12, 13, 14, 15, 16, & 17	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E24/25-C011	IAAP132636	Floor BC 1, 2, 3, 4, 5, 6, 44, 36, 37, 38, 39, 40, 41, 42, & 43	0.25	0.25	U	0.25	0.25	U	0.25	0.25	=
			L1-E24/25-C012	IAAP131881	Floor BC 6, 7, 8, 32, 33, 34, 46, 45, 36, & 44	0.07	0.25	J	0.25	0.25	U	0.12	0.25	J
			L1-E24/25-C013	IAAP131882	Wall BC 40, 41, 42, 43, & 1	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E24/25-C014	IAAP131883	Wall BC 32 & 33	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E24/25-C015	IAAP131884	Wall BC 2, 3, 4, 5, 6, 7, & 8	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E24/25-C016-P2	IAAP133095	Wall BC 36, 37, 38, 39, & 40	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E24/25-C017-P2	IAAP133096	Wall BC 33 & 34	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E24/25-C018	IAAP140465	Wall BC 45, 36, 35, 52, & 51	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E24/25-C021	IAAP140466	Wall BC 48 & 49	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E24/25-C022	IAAP140467	Wall BC 46, 34, 47, & 48	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E24/25-C023	IAAP140468	Wall BC 49, 50, & 51	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E24/25-C024	IAAP140469	Floor BC 35, 34, 47, 48, 49, 50, 51, & 52	0.10	0.25	J	0.25	0.25	U	0.25	0.25	U
L1-E24/25-C025-P2	IAAP141196	Floor BC 34, 35, 45, & 46	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U			

Table B-3-1. Soil Verification Data for Explosives at Line 1 at the Time of the First Five-Year Review (mg/kg)

Exposure Unit	Excavation Area	Excavation No.	Station Name	Sample Name	Location	1,3,5-TNB			1,3-DNB			2,4,6-TNT		
						Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :						102	---	---	---	---	---	196	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :						---	---	---	---	---	---	47.6	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^b :						32,000	---	---	82	---	---	9,600	---	---
<i>Eco CC</i> ^c :						---	---	---	0.31	---	---	3.55	---	---
EU7	A & B North	24 & 25	L1-E24/25-CO26	IAAP151199	Wall BC 24 & 25	0.23	0.23	U	0.23	0.23	U	0.23	0.23	U
			L1-E24/25-CO27	IAAP151200	Wall BC 22, 23, & 24	0.24	0.24	U	0.24	0.24	U	0.24	0.24	U
			L1-E24/25-CO28	IAAP151201	Wall BC 25, 26, 27, & 28	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E24/25-CO29	IAAP151202	Floor BC 22, 23 24, 25, 26, 27, & 28	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E24/25-C031	IAAP151488	Floor BC 3, 4, 5, 10, 11 12 13, 14, & 15	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E24/25-C032	IAAP151489	Wall BC 4 & 5	0.23	0.23	U	0.23	0.23	U	0.23	0.23	U
			L1-E24/25-C033	IAAP151490	Wall BC 20 & 21	0.24	0.24	U	0.24	0.24	U	0.24	0.24	U
			L1-E24/25-C034	IAAP151491	Wall BC 19 & 20	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E24/25-C036	IAAP151493	Wall BC 17 & 18	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E24/25-C037	IAAP151494	Wall BC 3 & 4	0.24	0.24	U	0.24	0.24	U	0.24	0.24	U
			L1-E24/25-C040	IAAP151495	Ramp BC 1, 2, 3, 15, & 16	0.25	0.25	U	0.25	0.25	U	0.47	0.25	=
			L1-E24/25-C041	IAAP151496	Wall BC 2 & 3	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E24/25-C043	IAAP151498	Wall BC 12, 13, 14, & 15	0.24	0.24	U	0.24	0.24	U	0.24	0.24	U
			L1-E24/25-C044	IAAP151499	Wall BC 11 & 12	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E24/25-C030-P2	IAAP151698	Floor BC 17, 18, 19, 20, & 21	0.06	0.25	J	0.25	0.25	U	0.25	0.25	U
			L1-E24/25-C035-P2	IAAP151697	Wall BC 18 & 19	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E24/25-C042-P2	IAAP151699	Wall BC 1, 16 & 15	0.24	0.24	U	0.24	0.24	U	0.24	0.24	U
			L1-E24/25-C045	IAAP151700	Wall BC 8, 9, 10, & 11	0.24	0.24	U	0.24	0.24	U	0.24	0.24	U
			L1-E24/25-C046	IAAP151701	Ramp BC 5, 6, 7, 8, 9, & 10	0.24	0.24	U	0.24	0.24	U	0.24	0.24	U
			L1-E24/25-C049	IAAP151702	Wall BC 5 & 6	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
L1-E24/25-C050	IAAP151703	Wall BC 6 & 7	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U			
EU7	C	26	L1-E26-C001	IAAP112372	north wall BC 1 and 4	0.32	0.32	U	0.32	0.32	U	0.32	0.32	U
			L1-E26-C002	IAAP112373	east wall BC 1 and 2	0.33	0.33	U	0.33	0.33	U	0.33	0.33	U
			L1-E26-C003	IAAP112374	south wall BC 2 and 3	0.31	0.31	U	0.31	0.31	U	0.31	0.31	U
			L1-E26-C004	IAAP112375	west wall BC 3 and 4	0.32	0.32	U	0.32	0.32	U	0.32	0.32	U
			L1-E26-C005	IAAP112376	floor of EXC	0.34	0.34	U	0.34	0.34	U	0.34	0.34	U
			L1-E26-C006	IAAP112376-1	FD of IAAP112376	0.34	0.34	U	0.34	0.34	U	0.34	0.34	U

Table B-3-1. Soil Verification Data for Explosives at Line 1 at the Time of the First Five-Year Review (mg/kg)

Exposure Unit	Excavation Area	Excavation No.	Station Name	Sample Name	Location	1,3,5-TNB			1,3-DNB			2,4,6-TNT		
						Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :						102	---	---	---	---	---	196	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :						---	---	---	---	---	---	47.6	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^b :						32,000	---	---	82	---	---	9,600	---	---
<i>Eco CC</i> ^c :						---	---	---	<i>0.31</i>	---	---	<i>3.55</i>	---	---
EU7	D	27	L1-E27-C001-P3	IAAP138933	Wall BC 18 and 19	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E27-C003-P4	IAAP139431	Wall BC 5, 21, and 11 & Wall BC 6, 7, and 8	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E27-C004-P3	IAAP138936	Wall BC 8, 9, 10, 11 and 12 & BC 13 and 14 & BC 17 and 18	0.25	0.25	U	0.25	0.25	U	0.81	0.25	=
			L1-E27-C005-P3	IAAP138937	Floor BC 11, 12, 13, 14, 15, 16, 17, 18, 19, and 21	0.04	0.25	J	0.25	0.25	U	0.25	0.25	U
			L1-E27-C009	IAAP138935	Wall BC 19 and 21	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E27-C010-P2	IAAP139428	Wall BC 2, 3, 4, 5, and 6	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E27-C011-P2	IAAP139429	Floor BC 3, 4, 5, 21, and 19	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E27-C012	IAAP139430	Ramp BC 1, 2, 3, 19, and 20	0.06	0.25	J	0.25	0.25	U	0.25	0.25	U
			L1-E27-C013	IAAP139432	Floor BC 5, 6, 7, 8, 10, 11, and 21	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E27-C014	IAAP139433	Wall BC 14, 15, 16, and 17	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E27-C015	IAAP139434	Wall BC 12 and 13	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E27-C016	IAAP140304	Boreholes west of steam line	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U

Table B-3-1. Soil Verification Data for Explosives at Line 1 at the Time of the First Five-Year Review (mg/kg)

Exposure Unit	Excavation Area	Excavation No.	Station Name	Sample Name	Location	1,3,5-TNB			1,3-DNB			2,4,6-TNT		
						Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :						102	---	---	---	---	---	196	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :						---	---	---	---	---	---	47.6	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^b :						32,000	---	---	82	---	---	9,600	---	---
<i>Eco CC</i> ^c :						---	---	---	0.31	---	---	3.55	---	---
EU7	E	53	L1-E53-C001	IAAP139789	Wall BC 37, 38, 39, 40, 41, & 42	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E53-C002	IAAP139825	Wall BC 42 & 43	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E53-C003	IAAP139826	Wall BC 37, 53, 52, & 51	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E53-C004	IAAP139827	Floor BC 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, & 53	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E53-C005-P2	IAAP146016	Wall BC 2 & 3	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E53-C006	IAAP144924	Wall BC 3 & 4	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E53-C007	IAAP144925	Wall BC 4, 5, & 6	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E53-C008-P2	IAAP146017	Wall BC 6 & 7	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E53-C009-P2	IAAP146018	Wall BC 7, 8, & 9	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E53-C010	IAAP144928	Wall BC 9 & 10	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E53-C011	IAAP144929	Wall BC 10 & 11	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E53-C012	IAAP144930	Wall BC 11 & 12	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E53-C013	IAAP144931	Wall BC 13 & 14	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E53-C014	IAAP144932	Wall BC 14 & 15	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E53-C015	IAAP144933	Wall BC 17 & 18	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E53-C016	IAAP144934	Wall BC 18, 19, 20, & 21	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E53-C017	IAAP144935	Wall BC 21 & 22	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E53-C018-P2	IAAP146019	Wall BC 29, 30, 1, 2, 50 & 51	0.17	0.25	J	0.25	0.25	U	1.60	0.25	=
			L1-E53-C019-P2	IAAP146020	Floor BC 16, 17, 18, 19, 20, & 36	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E53-C020	IAAP144938	Floor BC 9, 10, 11, 12, 13, 14, & 15	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E53-C023-P2	IAAP146021	Floor BC 1, 6, 7, 8, 9, 16, 36, 20, 21, 22, 29, & 30	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
L1-E53-C024	IAAP144940	Floor BC 1, 2, 3, 4, 5, & 6	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U			
L1-E53-C025	IAAP145144	Ramp BC 22, 23, 24, 25, 26, 27, 28, & 29	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U			
L1-E53-C026	IAAP145145	Wall BC 22, 23, 24, & 25	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U			
L1-E53-C027	IAAP145146	Wall BC 26, 27, 28, & 29	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U			
L1-E53-C028-P2	IAAP146023	Wall BC 31 & 35	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U			
L1-E53-C029-P2	IAAP146025	Wall BC 34 & 35	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U			
L1-E53-C030-P2	IAAP146022	Floor BC 31, 32, 33, 34, & 35	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U			
L1-E53-C031	IAAP146024	Wall BC 31, 32, & 33	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U			

Table B-3-1. Soil Verification Data for Explosives at Line 1 at the Time of the First Five-Year Review (mg/kg)

Exposure Unit	Excavation Area	Excavation No.	Station Name	Sample Name	Location	1,3,5-TNB			1,3-DNB			2,4,6-TNT		
						Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :						102	---	---	---	---	---	196	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :						---	---	---	---	---	---	47.6	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^b :						32,000	---	---	82	---	---	9,600	---	---
<i>Eco CC</i> ^c :						---	---	---	0.31	---	---	3.55	---	---
EU9	B	32	L1-E32-C005-P2	IAAP150228	Wall BC 5 & 6	0.25	0.25	U	0.25	0.25	U	0.43	0.25	=
			L1-E32-C007-P2	IAAP150232	Floor BC 4, 5, 6, 7, 8,30, 31, & 23	0.07	0.25	J	0.25	0.25	U	0.18	0.25	J
			L1-E32-C0011	IAAP150225	Floor BC 13, 14, 15, 16, 17, & 18	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E32-C0012	IAAP150226	Wall BC 16 & 17	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E32-C001-P3	IAAP150647	Ramp BC 1, 2, 3, 4, 23, 24, 25, 26, 27, 28, & 29	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E32-C006-P3	IAAP150651	Wall BC 22, 31, 23, 24, & 25	0.11	0.25	J	0.25	0.25	U	0.26	0.25	=
			L1-E32-C008-P2	IAAP150650	Floor BC 8, 9, 10, 32, 11, 12, 13 18, 19, 20, 21, 22, 31, & 30	0.42	0.25	=	0.25	0.25	U	7.00	0.25	=
			L1-E32-C013-P2	IAAP150653	Wall BC 32, 11, 12, 13, 14, 15, & 16	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E32-C014	IAAP150648	Wall BC 1, 2, 3, & 4	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E32-C015	IAAP150649	Wall BC 4 & 5	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E32-C016	IAAP150652	Wall BC 18, 19, 20, 21, & 22	0.58	0.25	=	0.25	0.25	U	0.45	0.25	=
EU9B	C	33	L1-E33-C006	IAAP150233	Wall BC 10, 11, & 12	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E33-C007	IAAP150234	Wall BC 8, 9, & 10	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E33-C008	IAAP150235	Floor BC 9, 10, 11, 12, 13, 14, 15, 30, 16, 17, 18, & 22	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E33-C009	IAAP150236	Floor BC 7, 8, 9, 22, 18, 19, 20, & 21	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E33-C010	IAAP150237	Wall BC 30, 16, 17, & 18	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E32-C011-P2	IAAP150667	Wall BC 18, 19, 20, 26, 27, & 4	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E32-C012	IAAP150659	Floor BC 1, 2, 3, 4, 29, 5, & 6	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E32-C013	IAAP150660	Wall BC 1, 6, 5, & 29	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E32-C015	IAAP150662	Wall BC 4 & 29	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E32-C016	IAAP150663	Wall BC 3 & 23	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E32-C017	IAAP150664	Wall 24, 25, & 26	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E32-C018	IAAP150665	Wall 3, 28, & 27	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E32-C019	IAAP150666	Floor BC 3, 23, 24, 25, 26, 27, & 28	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E33-C020-P2	IAAP151144	Wall BC 8, 7, 24 & 23	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
L1-E33-C023	IAAP151197	Wall BC 2 & 3	0.24	0.24	U	0.24	0.24	U	0.24	0.24	U			
L1-E33-C024	IAAP151198	Wall BC 1 & 2	0.24	0.24	U	0.24	0.24	U	0.24	0.24	U			

Table B-3-1. Soil Verification Data for Explosives at Line 1 at the Time of the First Five-Year Review (mg/kg)

Exposure Unit	Excavation Area	Excavation No.	Station Name	Sample Name	Location	1,3,5-TNB			1,3-DNB			2,4,6-TNT		
						Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :						102	---	---	---	---	---	196	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :						---	---	---	---	---	---	47.6	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^b :						32,000	---	---	82	---	---	9,600	---	---
<i>Eco CC</i> ^c :						---	---	---	<i>0.31</i>	---	---	<i>3.55</i>	---	---
EU9B	D	52	L1-E52-C001	IAAP139785	East Wall BC 6, 7, & 8	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E52-C002	IAAP139786	South Wall BC 8, 9, 10, 11, 12, 13, & 14	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E52-C003	IAAP139787	West Wall BC 14, 15, 16, 17, & 18	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E52-C004	IAAP139788	Floor BC 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, & 22	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
EU9B	E	59	L1-E59-C001	IAAP146026	Floor BC 1, 2, 3, 4, 5, 6, 7, 8, 9, & 10	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E59-C004	IAAP146027	Wall BC 7, 8, & 9	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E59-C005-P2	IAAP146245	Wall BC 6 & 7	0.04	0.25	J	0.25	0.25	U	0.25	0.25	U
			L1-E59-C006	IAAP146029	Wall BC 5 & 6	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
L1-E59-C007	IAAP146030	Wall BC 10, 1, 2, 3, 4, & 5	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U			
EU9D	A	36	L1-E36-C001	IAAP112472	NE wall BC 1 and 8	0.30	0.3	U	0.30	0.3	U	0.30	0.3	U
			L1-E36-C002	IAAP112473	SE wall BC 1 and 2; 3, 5, and 6	0.33	0.33	U	<i>0.33</i>	0.33	U	0.33	0.33	U
			L1-E36-C003	IAAP112474	SW wall BC 2 and 3; 6a and 7	0.29	0.29	U	0.29	0.29	U	0.29	0.29	U
			L1-E36-C004	IAAP112475	NW wall BC 7 and 8	0.29	0.29	U	0.29	0.29	U	0.29	0.29	U
			L1-E36-C005	IAAP112476	floor of EXC	0.29	0.29	U	0.29	0.29	U	0.29	0.29	U
EU9D	B	37	L1-E37-C001	IAAP112477	NE wall BC 4, 5, 6, and 1	0.30	0.3	U	0.30	0.3	U	0.30	0.3	U
			L1-E37-C002	IAAP112478	SE wall BC 1 and 2	0.31	0.31	U	0.31	0.31	U	0.31	0.31	U
			L1-E37-C003	IAAP112479	SW wall BC 2 and 3	0.30	0.3	U	0.30	0.3	U	0.30	0.3	U
			L1-E37-C004	IAAP112480	NW wall BC 3 and 4	0.29	0.29	U	0.29	0.29	U	0.29	0.29	U
			L1-E37-C005	IAAP112481	floor of EXC	0.31	0.31	U	0.31	0.31	U	0.31	0.31	U
Maximum Reported Concentration (Detects and Non-Detects):						2.30	---	=	<i>0.35</i>	---	U	<i>7.00</i>	---	=
Maximum Detected Concentration:						2.30	---	=	NA	---	---	<i>7.00</i>	---	=
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0):						0	---	---	---	---	---	0	---	---
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection):						---	---	---	---	---	---	0	---	---
Number of Sample Results Greater than USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0):						0	---	---	0	---	---	0	---	---
Number of Sample Results Greater than Eco CC:						---	---	---	9	---	---	1	---	---

^a Gray-shaded concentrations exceed the corresponding IAAAP OU-1 ROD RGs protective of an industrial worker ingesting soil (USACE 1998a).

^b Concentrations in **bold** exceed the corresponding RSLs (USEPA 2018a) protective of an industrial worker exposed to soil via ingestion, dermal contact, and dust inhalation.

^c Concentrations in *italics* exceed the corresponding Eco CCs calculated for Line 1.

Notes:

"---" Indicates that there is no comparison value available.

All results and comparison values are in mg/kg.

BC - Between Corners

NA - Maximum detected result is not available because all results reported for the parameter are non-detect.

VQ symbols indicate: "=" positive identification, positive quantitation, no reason to estimate, "U" non-detect, no reason to estimate, "J" positive identification, estimated quantitation,

"UJ" analyte was not detected and had QC deficiencies.

Table B-3-1. Soil Verification Data for Explosives at Line 1 at the Time of the First Five-Year Review (mg/kg)

Exposure Unit	Excavation Area	Excavation No.	Station Name	Sample Name	Location	2,4-DNT			HMX			RDX		
						Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :						8.7	---	---	51,000	---	---	53	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :						---	---	---	---	---	---	1.3	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^b :						740	---	---	57,000	---	---	3,800	---	---
<i>Eco CC</i> ^c :						---	---	---	15.2	---	---	25.6	---	---
EU4	F	46	L1-E46-C001	IAAP137907	west wall BC 4 and 5	0.25	0.25	U	0.95	0.25	=	0.12	0.25	J
			L1-E46-C002	IAAP137908	west wall BC 6, 7 and 3	0.25	0.25	U	0.17	0.25	J	1.10	0.25	=
			L1-E46-C003	IAAP137909	floor BC 1, 9, 2, 3, 7, and 6	0.25	0.25	U	0.09	0.25	J	0.69	0.25	=
			L1-E46-C004	IAAP137910	south wall BC 2, 3, and 4	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E46-C005	IAAP137911	floor BC 3, 4, 5, 6, and 7	0.25	0.25	U	0.14	0.25	J	0.21	0.25	J
			L1-E46-C006	IAAP137912	east wall BC 1, 9, and 2	0.25	0.25	U	0.25	0.25	U	0.11	0.25	J
EU5	B	12	L1-E12-C001	IAAP112282	north wall BC 1 and 12	0.29	0.29	U	0.66	0.29	=	0.29	0.29	U
			L1-E12-C002	IAAP112282-1	FD of IAAP112282	0.30	0.3	U	0.30	0.3	U	0.30	0.3	U
			L1-E12-C004	IAAP112283	east wall BC 1 and 2	0.27	0.27	U	0.58	0.27	=	0.27	0.27	U
			L1-E12-C005	IAAP112284	south wall BC 2 and 3	0.29	0.29	U	29.00	0.29	=	0.29	0.29	U
			L1-E12-C006	IAAP112285	west wall BC 8, 9, and 10; 11 and 12	0.29	0.29	U	2.50	0.29	=	0.29	0.29	U
			L1-E12-C007	IAAP112286	floor of EXC	0.29	0.29	U	0.71	0.29	=	0.29	0.29	U
EU5	D	14	L1-E14-C001	IAAP112292	north wall BC 1 and 8	0.31	0.31	U	0.31	0.31	U	0.31	0.31	U
			L1-E14-C002	IAAP112293	east wall BC 1 and 2	0.32	0.32	U	0.48	0.32	=	0.32	0.32	U
			L1-E14-C004	IAAP112295	west wall BC 7 and 8	0.32	0.32	U	0.32	0.32	U	0.32	0.32	U
			L1-E14-C005	IAAP112296	floor of EXC	0.31	0.31	U	0.64	0.31	=	0.31	0.31	U

Table B-3-1. Soil Verification Data for Explosives at Line 1 at the Time of the First Five-Year Review (mg/kg)

Exposure Unit	Excavation Area	Excavation No.	Station Name	Sample Name	Location	2,4-DNT			HMX			RDX		
						Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :						8.7	---	---	51,000	---	---	53	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :						---	---	---	---	---	---	1.3	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^b :						740	---	---	57,000	---	---	3,800	---	---
<i>Eco CC^c</i> :						---	---	---	15.2	---	---	25.6	---	---
EU5	E North	15	L1-E15-C001	IAAP112297	Wall BC 15, 1, & 2	0.29	0.29	U	0.47	0.29	=	0.29	0.29	U
			L1-E15-C004	IAAP112298	Wall BC 2, 3, 4, 5, & 6	0.28	0.28	U	0.39	0.28	=	0.28	0.28	U
			L1-E15-C007	IAAP112301	Wall BC 9, 10, 11, 12, 13, 14, & 15	0.28	0.28	U	0.28	0.28	U	0.28	0.28	U
			L1-E15-C009	IAAP112303	Floor BC 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, & 15	0.30	0.3	U	0.52	0.3	=	0.30	0.3	U
			L1-E15-C012	IAAP113264	Wall BC 6, 7, 8, & 9	0.29	0.29	U	0.41	0.29	=	0.29	0.29	U
EU5	E South	15	L1-E15-C005	IAAP112299	Wall BC 1, 2, 3, 4, 5, 6, and 7	0.29	0.29	U	2.00	0.29	J	0.33	0.29	J
			L1-E15-C006	IAAP112300	Wall BC 7, 8, and 9	0.27	0.27	U	1.10	0.27	J	0.27	0.27	UJ
			L1-E15-C008	IAAP112302	Wall BC 9, 10, 11, and 12	0.30	0.3	U	0.30	0.3	UJ	0.30	0.3	UJ
			L1-E15-C010	IAAP112353	Wall BC 12, 13 and 1	0.30	0.3	U	0.30	0.3	UJ	0.30	0.3	UJ
			L1-E15-C017-P4	IAAP132502	Floor BC 1, 2, 3, 4, 5, 11, 12, and 13	0.25	0.25	U	0.06	0.25	J	0.25	0.25	U
			L1-E15-C021-P4	IAAP132648	Floor BC 5,6, 10 and 11	0.25	0.25	U	0.91	0.25	=	1.70	0.25	=
			L1-E15-C022-P4	IAAP132649	Floor BC 6, 7, 8, 9, and 10	0.25	0.25	U	0.86	0.25	=	1.50	0.25	=
EU5	F	50	L1-E50-C001	IAAP138923	Wall BC 26, 27, 28, 29 and 30	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E50-C002	IAAP138924	Wall BC 17, 18, 19, 20, and 21	0.25	0.25	U	0.26	0.25	=	0.25	0.25	U
			L1-E50-C003	IAAP138925	Wall BC 21, 22, 23, 24, 25, and 26	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E50-C004	IAAP138926	Floor BC 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 48, and 49	0.25	0.25	U	0.08	0.25	J	0.23	0.25	J
			L1-E50-C005	IAAP138927	Wall BC 30, 31, 32, 33, 34, 35, and 36	0.25	0.25	U	0.75	0.25	=	0.73	0.25	=
			L1-E50-C007	IAAP138929	Wall BC 36, 37, 38, 39, 40, and 41	0.25	0.25	U	0.50	0.25	=	0.83	0.25	=
			L1-E50-C008	IAAP138930	Wall BC 8, 9, 10, 11, 12, 13, 14, 15, 16, and 17	0.25	0.25	U	0.36	0.25	=	0.44	0.25	=
			L1-E50-C009	IAAP138931	Floor BC 16, 17, 49, 48, 30, 31, 32, 33, 34, 35, 36, 37, 38, and 50	0.25	0.25	U	0.23	0.25	J	0.64	0.25	=
			L1-E50-C010	IAAP138932	Floor BC 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 50, 38, 39, 40, 41, 46, and 47	0.25	0.25	U	0.26	0.25	=	0.81	0.25	=
			L1-E50-C011	IAAP139424	Wall BC 41, 42, 43, 44, and 45	0.25	0.25	U	0.09	0.25	J	0.10	0.25	J
			L1-E50-C012	IAAP139425	Wall BC 41 and 46	0.25	0.25	U	0.09	0.25	J	0.10	0.25	J
			L1-E50-C013	IAAP139426	Floor BC 41, 42, 43, 44, 45 and 46	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E50-C016	IAAP139427	Wall BC 1, 2, 3, 4, 5, 6, 7, and 8	0.25	0.25	U	0.20	0.25	J	0.36	0.25	=

Table B-3-1. Soil Verification Data for Explosives at Line 1 at the Time of the First Five-Year Review (mg/kg)

Exposure Unit	Excavation Area	Excavation No.	Station Name	Sample Name	Location	2,4-DNT			HMX			RDX		
						Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :						8.7	---	---	51,000	---	---	53	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :						---	---	---	---	---	---	1.3	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^b :						740	---	---	57,000	---	---	3,800	---	---
<i>Eco CC</i> ^c :						---	---	---	15.2	---	---	25.6	---	---
EU5	G	17	L1-E17-C002	IAAP112310	east wall BC 8, 9, and 10	0.30	0.3	U	0.30	0.3	UJ	0.30	0.3	UJ
			L1-E17-C011	IAAP131818	north wall BC 1, 2, and 3	0.25	0.25	U	0.08	0.25	J	0.25	0.25	U
			L1-E17-C009	IAAP131816	floor BC 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15 and 16	0.25	0.25	U	0.44	0.25	=	0.80	0.25	=
			L1-E17-C010	IAAP131817	floor BC 1, 2, 3, 4, 5, 16, and 17	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
EU5	K	21	L1-E21-C001	IAAP112331	Wall BC 1 and 2	0.31	0.31	U	0.31	0.31	U	0.31	0.31	U
			L1-E21-C002	IAAP112332	Wall BC 2 and 3	0.31	0.31	U	0.31	0.31	U	0.31	0.31	U
			L1-E21-C004	IAAP112334	Wall BC 1 and 23	0.30	0.3	U	0.30	0.3	U	0.30	0.3	U
			L1-E21-C005	IAAP112335	Floor BC 1, 2, 3, 24, and 23	0.35	0.35	U	0.35	0.35	U	0.60	0.35	=
			L1-E21-C010-P4	IAAP131855	Wall BC 4, 5, and 6	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E21-C011-P4	IAAP131856	Wall BC 19, 20, 21, and 22	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E21-C012-P4	IAAP131857	Floor BC 3, 4, 5, 6, 7, 8, 9, 18, 19, 20, 21, 22, 23, and 24	0.25	0.25	U	0.05	0.25	J	0.25	0.25	U
			L1-E1-C014	IAAP132640	Wall BC 9, 10, 11, and 12	0.25	0.25	U	0.17	0.25	J	0.68	0.25	=
			L1-E1-C015	IAAP132641	Wall BC 13, 14, 15, 16, 17, and 18	0.25	0.25	U	0.06	0.25	J	0.25	0.25	=
			L1-E21-C017	IAAP133121	Floor BC 9, 10, 11, 12, 13, 14, 15, 16, 17, and 18	0.25	0.25	U	0.25	0.25	U	0.30	0.25	=
			L1-E21-C020	IAAP133122	Floor BC 25, 26, 27, and 28	0.25	0.25	U	0.24	0.25	J	0.09	0.25	J
			L1-E21-C021	IAAP133123	Wall BC 26 and 27	0.25	0.25	U	0.10	0.25	J	0.25	0.25	U
			L1-E21-C022	IAAP133124	Wall BC 25 and 28	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E21-C023	IAAP133125	Wall BC 27 and 28	0.25	0.25	U	0.26	0.25	=	0.16	0.25	J
L1-E21-C024	IAAP133126	Wall BC 25 and 26	0.25	0.25	U	0.11	0.25	J	0.04	0.25	J			
EU5	N	55	L1-E55-C001	IAAP144023	Wall BC 1 and 13	0.25	0.25	U	1.60	0.25	=	0.11	0.25	J
			L1-E55-C004	IAAP144024	Wall BC 7 and 8	0.25	0.25	U	0.56	0.25	=	0.25	0.25	U
			L1-E55-C005	IAAP144025	Wall BC 6 and 7	0.25	0.25	U	0.60	0.25	=	0.25	0.25	U
			L1-E55-C006	IAAP144026	Floor BC 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, and 13	0.25	0.25	U	1.50	0.25	=	0.25	0.25	U
			L1-E55-C007	IAAP144027	Ramp BC 4, 5, 22 and 23	0.25	0.25	U	2.70	0.25	=	0.25	0.25	U
			L1-E55-C008	IAAP144028	Wall BC 19, 20, and 21 & BC 25 and 26	0.25	0.25	U	0.45	0.25	=	0.12	0.25	J
			L1-E55-C009	IAAP144029	Wall BC 14, 15, 27 and 28 & BC 1 and 2	0.25	0.25	U	3.40	0.25	=	0.15	0.25	J
			L1-E55-C010	IAAP144030	Wall BC 15 and 26	0.25	0.25	U	4.00	0.25	=	1.10	0.25	=
L1-E55-C011	IAAP144031	Floor BC 14, 15, 26, 25, 16, 24, 17, 20, 21, 19, and 18	0.25	0.25	U	3.40	0.25	=	0.51	0.25	=			

Table B-3-1. Soil Verification Data for Explosives at Line 1 at the Time of the First Five-Year Review (mg/kg)

Exposure Unit	Excavation Area	Excavation No.	Station Name	Sample Name	Location	2,4-DNT			HMX			RDX		
						Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :						8.7	---	---	51,000	---	---	53	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :						---	---	---	---	---	---	1.3	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^b :						740	---	---	57,000	---	---	3,800	---	---
<i>Eco CC</i> ^c :						---	---	---	15.2	---	---	25.6	---	---
EU5	O	56	L1-E56-C001	IAAP143936	Wall BC 1, 6, & 5	0.25	0.25	U	0.69	0.25	=	0.25	0.25	U
			L1-E56-C002	IAAP143937	Wall BC 2, 3, & 4	0.25	0.25	U	0.38	0.25	=	0.25	0.25	U
			L1-E56-C003	IAAP143938	Wall BC 4 & 5	0.25	0.25	U	0.70	0.25	=	0.25	0.25	U
			L1-E56-C004	IAAP143939	Floor BC 1, 2, 3, 4, 5, & 6	0.25	0.25	U	0.36	0.25	=	0.09	0.25	J
EU5	P	57	L1-E57-C001	IAAP144578	Wall BC 16 & 17	0.25	0.25	U	0.42	0.25	=	0.19	0.25	J
			L1-E57-C002	IAAP144579	Wall BC 1 & 17	0.25	0.25	U	0.21	0.25	J	0.38	0.25	=
			L1-E57-C003	IAAP144580	Wall BC 15 & 16	0.25	0.25	U	1.40	0.25	=	0.16	0.25	J
			L1-E57-C004	IAAP144581	Floor BC 1, 15, 16 & 17	0.25	0.25	U	0.70	0.25	=	0.58	0.25	=
			L1-E57-C005	IAAP144582	Wall BC 13, 14, & 15	0.25	0.25	U	0.35	0.25	=	0.25	0.25	=
			L1-E57-C006	IAAP144583	Wall BC 12 & 13	0.25	0.25	U	1.10	0.25	=	0.79	0.25	=
			L1-E57-C007	IAAP144584	Wall BC 9, 10, 11, & 12	0.25	0.25	U	0.16	0.25	J	0.25	0.25	U
			L1-E57-C010	IAAP144585	Wall BC 5, 6, 7, 8, & 9	0.25	0.25	U	0.19	0.25	J	0.25	0.25	U
			L1-E57-C011	IAAP144586	Wall BC 3 & 4	0.25	0.25	U	0.75	0.25	=	0.08	0.25	J
			L1-E57-C012	IAAP144587	Floor BC 1, 2, 3, 8, 9, 10, 11, 12,13, 14, &15	0.25	0.25	U	1.40	0.25	=	1.20	0.25	=
			L1-E57-C013-P2	IAAP144941	Floor BC 3, 4, 5, 6, 7, & 8	0.25	0.25	U	0.62	0.25	=	0.40	0.25	=
L1-E57-C014	IAAP144589	Wall BC 2 & 3	0.25	0.25	U	0.76	0.25	=	1.90	0.25	=			
L1-E57-C015	IAAP144590	Wall BC 1 & 2	0.25	0.25	U	0.43	0.25	=	0.08	0.25	J			

Table B-3-1. Soil Verification Data for Explosives at Line 1 at the Time of the First Five-Year Review (mg/kg)

Exposure Unit	Excavation Area	Excavation No.	Station Name	Sample Name	Location	2,4-DNT			HMX			RDX		
						Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :						8.7	---	---	51,000	---	---	53	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :						---	---	---	---	---	---	1.3	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^b :						740	---	---	57,000	---	---	3,800	---	---
<i>Eco CC^c</i> :						---	---	---	15.2	---	---	25.6	---	---
EU5	Q	58	L1-E58-C008	IAAP151730	Wall BC 18, 19, & 20	0.25	0.25	U	0.25	0.25	J	0.06	0.25	J
			L1-E58-C009	IAAP151731	Wall BC 16, 17, & 18	0.24	0.24	U	0.07	0.24	J	0.24	0.24	U
			L1-E58-C010	IAAP151732	Wall BC 6, 7, 8, & 9	0.23	0.23	U	0.04	0.23	J	0.23	0.23	U
			L1-E58-C011	IAAP151733	Wall BC 9, 10, 11, & 12	0.24	0.24	U	0.24	0.24	U	0.08	0.24	J
			L1-E58-C013	IAAP151735	Wall BC 12 & 13	0.24	0.24	U	0.24	0.24	U	0.24	0.24	U
			L1-E58-C014	IAAP151736	Floor BC 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 16, 17, 18, 19, & 20	0.24	0.24	U	0.24	0.24	U	0.24	0.24	U
			L1-E58-C015	IAAP151737	Wall BC 15 & 16	0.23	0.23	U	0.23	0.23	U	0.23	0.23	U
			L1-E58-C016	IAAP151738	Wall BC 13 & 14	0.23	0.23	U	0.23	0.23	U	0.23	0.23	U
			L1-E58-C017	IAAP151739	Wall BC 14 & 15	0.22	0.22	U	0.22	0.22	U	0.22	0.22	U
			L1-E58-C018	IAAP151740	Floor BC 13, 14, 15, & 16	0.22	0.22	U	0.22	0.22	U	0.22	0.22	U
			L1-E58-C022-P2	IAAP165446	Floor 21, 22, 23, 36, 37, 38, 31, 32, 34, & 35	0.25	0.25	U	0.25	0.25	UJ	0.25	0.25	U
			L1-E58-C023-P3	IAAP165496	Wall BC 25 & 26	0.25	0.25	U	0.25	0.25	U	0.11	0.25	J
			L1-E58-C028	IAAP157270	Wall BC 33 & 63	0.25	0.25	U	0.15	0.25	J	0.11	0.25	J
			L1-E58-C029	IAAP157271	Wall BC 32 & 63	0.24	0.24	U	0.16	0.24	J	0.46	0.24	=
			L1-E58-C030-P4	IAAP166001	Floor BC 26, 27, 28, 29, 30, 31, & 38	0.25	0.25	U	0.10	0.25	J	0.32	0.25	=
			L1-E58-C031-P3	IAAP165556	Wall BC 26, 27, & 28	0.25	0.25	U	0.13	0.25	J	0.21	0.25	J
			L1-E58-C032	IAAP157274	Wall BC 61 & 62	0.24	0.24	U	0.09	0.24	J	0.24	0.24	U
			L1-E58-C034	IAAP157278	Wall BC 21 & 22	0.23	0.23	U	0.23	0.23	U	0.14	0.23	J
			L1-E58-C035-P2	IAAP165445	Wall BC 21, 35, & 34	0.25	0.25	U	0.25	0.25	UJ	0.07	0.25	J
			L1-E58-C036	IAAP165451	Wall BC 29, 30, 31, & 32	0.25	0.25	U	0.94	0.25	J	1.20	0.25	=
			L1-E58-C037	IAAP165495	Wall BC 22, 23, 24 & 25	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E58-C038	IAAP165497	Floor BC 23, 24, 25, 26, 37, & 36	0.25	0.25	U	0.25	0.25	U	0.31	0.25	=
			L1-E58-C039	IAAP166000	Wall BC 28 & 29	0.25	0.25	U	0.25	0.25	U	0.08	0.25	J
			L1-E58-C040	IAAP166002	Wall BC 45, 46, 47, & 48	0.25	0.25	U	0.55	0.25	=	0.72	0.25	=
			L1-E58-C043	IAAP166003	Floor BC 40, 41, 42, 43, 44, 45, 46, 47, & 48	0.25	0.25	U	0.16	0.25	J	0.25	0.25	U
			L1-E58-C044	IAAP166004	Wall BC 40, 41, 42, & 43	0.25	0.25	U	0.41	0.25	=	0.12	0.25	J
L1-E58-C045-P2	IAAP166379	Wall 55, 56, 57, 58, 59 & 60	0.25	0.25	U	2.20	0.25	=	0.25	0.25	U			
L1-E58-C046-P3	IAAP167012	Floor 50, 51, 52, 53, 54, 55, 56, 57, 58, 59 & 60	0.25	0.25	U	0.25	0.25	U	0.33	0.25	=			
L1-E58-C047	IAAP166009	Wall 50, 51, 52, 53, 54, & 55	0.25	0.25	U	0.30	0.25	=	0.25	0.25	U			
L1-E58-C048	IAAP167013	Wall BC 52 & 53	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U			
L1-E58-C049	IAAP167014	Wall BC 55, 56, & 57	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U			

Table B-3-1. Soil Verification Data for Explosives at Line 1 at the Time of the First Five-Year Review (mg/kg)

Exposure Unit	Excavation Area	Excavation No.	Station Name	Sample Name	Location	2,4-DNT			HMX			RDX		
						Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :						8.7	---	---	51,000	---	---	53	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :						---	---	---	---	---	---	1.3	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^b :						740	---	---	57,000	---	---	3,800	---	---
<i>Eco CC</i> ^c :						---	---	---	15.2	---	---	25.6	---	---
EU5	Q North	58	L1-E58-C001	IAAP150654	Wall BC 1 & 2	0.25	0.25	U	0.25	0.25	U	0.21	0.25	J
			L1-E58-C002	IAAP150655	Wall BC 3 & 4	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E58-C003	IAAP150657	Floor BC 1, 2, 3, & 4	0.25	0.25	U	0.09	0.25	J	0.47	0.25	=
			L1-E58-C004	IAAP150658	Wall BC 2 & 3	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E58-C005	IAAP150656	Wall BC 1 & 4	0.25	0.25	U	0.25	0.25	U	0.09	0.25	J
EU6	A	23	L1-E23-C009	IAAP137935	north wall BC7, 8, 9, 10, 11, and 12	0.25	0.25	U	0.50	0.25	=	2.20	0.25	=
			L1-E23-C010-P2	IAAP138635	south wall BC 1, 2, 3, and 4	0.25	0.25	U	0.18	0.25	J	0.31	0.25	=
			L1-E23-C011	IAAP137937	west wall BC 4, 5, 6, and 7	0.25	0.25	U	0.36	0.25	=	0.46	0.25	=
			L1-E23-C012	IAAP137938	floor of EXC	0.25	0.25	U	0.38	0.25	=	0.69	0.25	=
EU6	B	47	L1-E47-C001	IAAP138781	floor of EXC	0.25	0.25	U	0.42	0.25	=	0.10	0.25	J
			L1-E47-C002	IAAP138782	north wall BC 9, 10, 11, 12, and 1	0.25	0.25	U	0.25	0.25	=	0.25	0.25	U
			L1-E47-C003	IAAP138783	east wall BC 1, 2, and 3	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E47-C004	IAAP138784	south wall BC 3, 4, 5, 6, and 7	0.25	0.25	U	0.46	0.25	=	0.25	0.25	U
			L1-E47-C005	IAAP138785	west wall BC 7, 8, and 9	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
EU6	C	49	L1-E49-C001	IAAP138902	Floor BC 40, 41, 42, and 43	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E49-F001	IAAP138917	Wall BC 42 and 43	0.25	0.25	U	0.62	0.25	=	0.25	0.25	U
			L1-E49-C002	IAAP139501	Floor BC 36, 37, 38, and 39	0.25	0.25	U	0.15	0.25	J	0.07	0.25	J
			L1-E49-C003	IAAP139502	Wall BC 36 and 39	0.25	0.25	U	0.30	0.25	=	0.25	0.25	U
			L1-E49-C004	IAAP139828	Wall BC 31, 32, and 33	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E49-C005-P2	IAAP140363	Wall BC 20, 22, 23, 24, 25, 26, 27, 30, and 31	0.25	0.25	U	0.29	0.25	=	0.81	0.25	=
			L1-E49-C006	IAAP139830	Wall BC 1, 2, 3, 4, 5, 6, 7, and 8	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E49-C009	IAAP139831	Floor BC 1, 2, 3, 4, 5, 6, 7, 8, 29, 28, 27, 30, 31, 32, 33, 34, and 35	0.25	0.25	U	0.07	0.25	J	0.25	0.25	U
			L1-E49-C010-P2	IAAP140362	Floor BC 8, 9, 10, 11, 12, 21, 20, 22, 23, 24, 25, 26, 27, 28, and 29	0.25	0.25	U	0.19	0.25	J	0.29	0.25	=
			L1-E49-C011	IAAP139833	Wall BC 8, 9, 10, 11, and 12	0.25	0.25	U	1.30	0.25	=	0.21	0.25	J
			L1-E49-C012	IAAP139991	Wall BC 18, 19, and 20	0.25	0.25	U	0.28	0.25	=	0.11	0.25	J
			L1-E49-C013	IAAP139992	Wall BC 12, 13, 14, and 15	0.25	0.25	U	0.25	0.25	U	0.06	0.25	J
			L1-E49-C014	IAAP139993	Wall BC 15, 16, 17, and 18	0.25	0.25	U	0.22	0.25	J	0.37	0.25	=
			L1-E49-C015	IAAP139994	Floor BC 12, 13, 14, 15, 16, 17, 18, 19, 20, and 21	0.25	0.25	U	0.12	0.25	J	0.16	0.25	J
			EU6	D	51	L1-E51-C001	IAAP139117	Wall BC 1, 2, 3, and 4	0.25	0.25	U	0.25	0.25	U
L1-E51-C004	IAAP139118	Wall BC 4, 5, 6, and 7				0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
L1-E51-C005	IAAP139119	Wall BC 7, 8, and 9				0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
L1-E51-C006	IAAP139120	Wall BC 9, 10, and 1				0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
L1-E51-C007	IAAP139121	Floor BC 1, 2, 3, 4, 5, 6, 7, 8, 9, and 10				0.25	0.25	U	0.25	0.25	U	0.25	0.25	U

Table B-3-1. Soil Verification Data for Explosives at Line 1 at the Time of the First Five-Year Review (mg/kg)

Exposure Unit	Excavation Area	Excavation No.	Station Name	Sample Name	Location	2,4-DNT			HMX			RDX		
						Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :						8.7	---	---	51,000	---	---	53	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :						---	---	---	---	---	---	1.3	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^b :						740	---	---	57,000	---	---	3,800	---	---
<i>Eco CC</i> ^c :						---	---	---	15.2	---	---	25.6	---	---
EU7	A & B	24 & 25	L1-E24/25-C001	IAAP132628	Floor BC 20, 21, 22 & 23	0.25	0.25	U	0.32	0.25	=	0.93	0.25	=
			L1-E24/25-C002	IAAP132629	Floor BC 13, 14, 15, 16, 17, 18, 19, 20, 23, & 24	0.25	0.25	U	0.29	0.25	=	1.10	0.25	=
			L1-E24/25-C003	IAAP132630	Floor BC 24, 26, 27, 28, 29, & 25	0.25	0.25	U	0.25	0.25	U	0.10	0.25	J
			L1-E24/25-C004	IAAP132631	Floor BC 11, 12, 13, 24, 25, & 29	0.25	0.25	U	0.25	0.25	U	0.05	0.25	J
			L1-E24/25-C005	IAAP132632	Floor BC 30, 53, 54, & 31	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E24/25-C006	IAAP132633	Floor BC 8, 9, 10, 11, 29, 30, 31, & 32	0.25	0.25	U	0.05	0.25	J	0.04	0.25	J
			L1-E24/25-C009-P2	IAAP133094	Wall BC 17, 18, 19, & 20	0.25	0.25	U	0.09	0.25	J	0.05	0.25	J
			L1-E24/25-C010	IAAP132635	Wall BC 8, 9, 10, 11, 12, 13, 14, 15, 16, & 17	0.25	0.25	U	0.20	0.25	J	0.40	0.25	=
			L1-E24/25-C011	IAAP132636	Floor BC 1, 2, 3, 4, 5, 6, 44, 36, 37, 38, 39, 40, 41, 42, & 43	0.25	0.25	U	0.06	0.25	J	0.25	0.25	=
			L1-E24/25-C012	IAAP131881	Floor BC 6, 7, 8, 32, 33, 34, 46, 45, 36, & 44	0.25	0.25	U	0.24	0.25	J	0.32	0.25	=
			L1-E24/25-C013	IAAP131882	Wall BC 40, 41, 42, 43, & 1	0.25	0.25	U	0.13	0.25	J	0.19	0.25	J
			L1-E24/25-C014	IAAP131883	Wall BC 32 & 33	0.25	0.25	U	0.74	0.25	=	0.94	0.25	=
			L1-E24/25-C015	IAAP131884	Wall BC 2, 3, 4, 5, 6, 7, & 8	0.25	0.25	U	0.30	0.25	=	0.42	0.25	=
			L1-E24/25-C016-P2	IAAP133095	Wall BC 36, 37, 38, 39, & 40	0.25	0.25	U	0.10	0.25	J	0.16	0.25	J
			L1-E24/25-C017-P2	IAAP133096	Wall BC 33 & 34	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E24/25-C018	IAAP140465	Wall BC 45, 36, 35, 52, & 51	0.25	0.25	U	0.27	0.25	=	0.34	0.25	=
			L1-E24/25-C021	IAAP140466	Wall BC 48 & 49	0.25	0.25	U	0.10	0.25	J	0.10	0.25	J
			L1-E24/25-C022	IAAP140467	Wall BC 46, 34, 47, & 48	0.25	0.25	U	0.08	0.25	J	1.00	0.25	=
			L1-E24/25-C023	IAAP140468	Wall BC 49, 50, & 51	0.25	0.25	U	0.25	0.25	U	0.20	0.25	J
			L1-E24/25-C024	IAAP140469	Floor BC 35, 34, 47, 48, 49, 50, 51, & 52	0.25	0.25	U	0.07	0.25	J	0.46	0.25	=
L1-E24/25-C025-P2	IAAP141196	Floor BC 34, 35, 45, & 46	0.25	0.25	U	0.06	0.25	J	0.46	0.25	=			

Table B-3-1. Soil Verification Data for Explosives at Line 1 at the Time of the First Five-Year Review (mg/kg)

Exposure Unit	Excavation Area	Excavation No.	Station Name	Sample Name	Location	2,4-DNT			HMX			RDX		
						Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :						8.7	---	---	51,000	---	---	53	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :						---	---	---	---	---	---	1.3	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^b :						740	---	---	57,000	---	---	3,800	---	---
<i>Eco CC</i> ^c :						---	---	---	15.2	---	---	25.6	---	---
EU7	A & B North	24 & 25	L1-E24/25-CO26	IAAP151199	Wall BC 24 & 25	0.23	0.23	U	0.54	0.23	=	1.00	0.23	=
			L1-E24/25-CO27	IAAP151200	Wall BC 22, 23, & 24	0.24	0.24	U	0.29	0.24	=	0.15	0.24	J
			L1-E24/25-CO28	IAAP151201	Wall BC 25, 26, 27, & 28	0.25	0.25	U	0.06	0.25	J	0.09	0.25	J
			L1-E24/25-CO29	IAAP151202	Floor BC 22, 23 24, 25, 26, 27, & 28	0.25	0.25	U	0.48	0.25	=	0.40	0.25	=
			L1-E24/25-C031	IAAP151488	Floor BC 3, 4, 5, 10, 11 12 13, 14, & 15	0.25	0.25	U	0.13	0.25	J	0.36	0.25	J
			L1-E24/25-C032	IAAP151489	Wall BC 4 & 5	0.23	0.23	U	0.16	0.23	J	0.12	0.23	J
			L1-E24/25-C033	IAAP151490	Wall BC 20 & 21	0.24	0.24	U	0.24	0.24	U	0.24	0.24	UJ
			L1-E24/25-C034	IAAP151491	Wall BC 19 & 20	0.25	0.25	U	0.21	0.25	J	0.25	0.25	UJ
			L1-E24/25-C036	IAAP151493	Wall BC 17 & 18	0.25	0.25	U	0.09	0.25	J	0.22	0.25	J
			L1-E24/25-C037	IAAP151494	Wall BC 3 & 4	0.24	0.24	U	0.44	0.24	=	0.46	0.24	J
			L1-E24/25-C040	IAAP151495	Ramp BC 1, 2, 3, 15, & 16	0.25	0.25	U	0.10	0.25	J	0.97	0.25	J
			L1-E24/25-C041	IAAP151496	Wall BC 2 & 3	0.25	0.25	U	0.11	0.25	J	0.55	0.25	J
			L1-E24/25-C043	IAAP151498	Wall BC 12, 13, 14, & 15	0.24	0.24	U	0.13	0.24	J	0.11	0.24	J
			L1-E24/25-C044	IAAP151499	Wall BC 11 & 12	0.25	0.25	U	0.25	0.25	U	0.25	0.25	UJ
			L1-E24/25-C030-P2	IAAP151698	Floor BC 17, 18, 19, 20, & 21	0.25	0.25	U	0.26	0.25	=	0.19	0.25	J
			L1-E24/25-C035-P2	IAAP151697	Wall BC 18 & 19	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E24/25-C042-P2	IAAP151699	Wall BC 1, 16 & 15	0.24	0.24	U	0.52	0.24	=	0.20	0.24	J
			L1-E24/25-C045	IAAP151700	Wall BC 8, 9, 10, & 11	0.24	0.24	U	0.24	0.24	U	0.24	0.24	U
			L1-E24/25-C046	IAAP151701	Ramp BC 5, 6, 7, 8, 9, & 10	0.24	0.24	U	0.36	0.24	=	0.38	0.24	=
			L1-E24/25-C049	IAAP151702	Wall BC 5 & 6	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
L1-E24/25-C050	IAAP151703	Wall BC 6 & 7	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U			
EU7	C	26	L1-E26-C001	IAAP112372	north wall BC 1 and 4	0.32	0.32	U	0.32	0.32	UJ	0.32	0.32	UJ
			L1-E26-C002	IAAP112373	east wall BC 1 and 2	0.33	0.33	U	0.33	0.33	UJ	0.33	0.33	UJ
			L1-E26-C003	IAAP112374	south wall BC 2 and 3	0.31	0.31	U	0.31	0.31	UJ	0.31	0.31	UJ
			L1-E26-C004	IAAP112375	west wall BC 3 and 4	0.32	0.32	U	0.32	0.32	UJ	0.32	0.32	UJ
			L1-E26-C005	IAAP112376	floor of EXC	0.34	0.34	U	0.34	0.34	UJ	0.34	0.34	UJ
			L1-E26-C006	IAAP112376-1	FD of IAAP112376	0.34	0.34	U	0.34	0.34	UJ	0.34	0.34	UJ

Table B-3-1. Soil Verification Data for Explosives at Line 1 at the Time of the First Five-Year Review (mg/kg)

Exposure Unit	Excavation Area	Excavation No.	Station Name	Sample Name	Location	2,4-DNT			HMX			RDX		
						Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :						8.7	---	---	51,000	---	---	53	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :						---	---	---	---	---	---	1.3	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^b :						740	---	---	57,000	---	---	3,800	---	---
<i>Eco CC</i> ^c :						---	---	---	15.2	---	---	25.6	---	---
EU7	D	27	L1-E27-C001-P3	IAAP138933	Wall BC 18 and 19	0.25	0.25	U	0.08	0.25	J	0.14	0.25	J
			L1-E27-C003-P4	IAAP139431	Wall BC 5, 21, and 11 & Wall BC 6, 7, and 8	0.25	0.25	U	0.25	0.25	U	0.15	0.25	J
			L1-E27-C004-P3	IAAP138936	Wall BC 8, 9, 10, 11 and 12 & BC 13 and 14 & BC 17 and 18	0.25	0.25	U	1.40	0.25	=	7.30	0.25	=
			L1-E27-C005-P3	IAAP138937	Floor BC 11, 12, 13, 14, 15, 16, 17, 18, 19, and 21	0.25	0.25	U	0.17	0.25	J	0.50	0.25	=
			L1-E27-C009	IAAP138935	Wall BC 19 and 21	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E27-C010-P2	IAAP139428	Wall BC 2, 3, 4, 5, and 6	0.25	0.25	U	0.25	0.25	U	0.28	0.25	=
			L1-E27-C011-P2	IAAP139429	Floor BC 3, 4, 5, 21, and 19	0.25	0.25	U	0.16	0.25	J	0.81	0.25	=
			L1-E27-C012	IAAP139430	Ramp BC 1, 2, 3, 19, and 20	0.25	0.25	U	0.09	0.25	J	0.33	0.25	=
			L1-E27-C013	IAAP139432	Floor BC 5, 6, 7, 8, 10, 11, and 21	0.25	0.25	U	0.25	0.25	U	0.36	0.25	=
			L1-E27-C014	IAAP139433	Wall BC 14, 15, 16, and 17	0.25	0.25	U	0.31	0.25	=	0.50	0.25	=
			L1-E27-C015	IAAP139434	Wall BC 12 and 13	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E27-C016	IAAP140304	Boreholes west of steam line	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U

Table B-3-1. Soil Verification Data for Explosives at Line 1 at the Time of the First Five-Year Review (mg/kg)

Exposure Unit	Excavation Area	Excavation No.	Station Name	Sample Name	Location	2,4-DNT			HMX			RDX		
						Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :						8.7	---	---	51,000	---	---	53	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :						---	---	---	---	---	---	1.3	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^b :						740	---	---	57,000	---	---	3,800	---	---
<i>Eco CC</i> ^c :						---	---	---	15.2	---	---	25.6	---	---
EU7	E	53	L1-E53-C001	IAAP139789	Wall BC 37, 38, 39, 40, 41, & 42	0.25	0.25	U	0.16	0.25	J	0.11	0.25	J
			L1-E53-C002	IAAP139825	Wall BC 42 & 43	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E53-C003	IAAP139826	Wall BC 37, 53, 52, & 51	0.25	0.25	U	0.20	0.25	J	0.10	0.25	J
			L1-E53-C004	IAAP139827	Floor BC 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, & 53	0.25	0.25	U	2.30	0.25	=	1.10	0.25	=
			L1-E53-C005-P2	IAAP146016	Wall BC 2 & 3	0.25	0.25	U	0.19	0.25	J	0.28	0.25	J
			L1-E53-C006	IAAP144924	Wall BC 3 & 4	0.25	0.25	U	0.06	0.25	J	0.17	0.25	J
			L1-E53-C007	IAAP144925	Wall BC 4, 5, & 6	0.25	0.25	U	1.30	0.25	=	6.40	0.25	=
			L1-E53-C008-P2	IAAP146017	Wall BC 6 & 7	0.25	0.25	U	3.20	0.25	=	12.00	0.25	=
			L1-E53-C009-P2	IAAP146018	Wall BC 7, 8, & 9	0.25	0.25	U	0.78	0.25	=	2.70	0.25	=
			L1-E53-C010	IAAP144928	Wall BC 9 & 10	0.25	0.25	U	7.30	0.25	=	12.00	0.25	=
			L1-E53-C011	IAAP144929	Wall BC 10 & 11	0.25	0.25	U	2.00	0.25	=	0.39	0.25	=
			L1-E53-C012	IAAP144930	Wall BC 11 & 12	0.25	0.25	U	5.10	0.25	=	0.25	0.25	U
			L1-E53-C013	IAAP144931	Wall BC 13 & 14	0.25	0.25	U	19.00	0.25	=	5.80	0.25	=
			L1-E53-C014	IAAP144932	Wall BC 14 & 15	0.25	0.25	U	1.80	0.25	=	2.30	0.25	=
			L1-E53-C015	IAAP144933	Wall BC 17 & 18	0.25	0.25	U	1.90	0.25	=	1.10	0.25	=
			L1-E53-C016	IAAP144934	Wall BC 18, 19, 20, & 21	0.25	0.25	U	0.44	0.25	=	0.44	0.25	=
			L1-E53-C017	IAAP144935	Wall BC 21 & 22	0.25	0.25	U	1.50	0.25	=	2.00	0.25	=
			L1-E53-C018-P2	IAAP146019	Wall BC 29, 30, 1, 2, 50 & 51	0.25	0.25	U	17.00	0.25	=	200.00	1.2	=
			L1-E53-C019-P2	IAAP146020	Floor BC 16, 17, 18, 19, 20, & 36	0.25	0.25	U	1.40	0.25	=	1.30	0.25	=
			L1-E53-C020	IAAP144938	Floor BC 9, 10, 11, 12, 13, 14, & 15	0.25	0.25	U	0.31	0.25	=	0.50	0.25	=
			L1-E53-C023-P2	IAAP146021	Floor BC 1, 6, 7, 8, 9, 16, 36, 20, 21, 22, 29, & 30	0.25	0.25	U	0.62	0.25	=	1.80	0.25	=
L1-E53-C024	IAAP144940	Floor BC 1, 2, 3, 4, 5, & 6	0.25	0.25	U	0.72	0.25	=	1.10	0.25	=			
L1-E53-C025	IAAP145144	Ramp BC 22, 23, 24, 25, 26, 27, 28, & 29	0.25	0.25	U	0.19	0.25	J	0.73	0.25	=			
L1-E53-C026	IAAP145145	Wall BC 22, 23, 24, & 25	0.25	0.25	U	0.36	0.25	=	0.66	0.25	=			
L1-E53-C027	IAAP145146	Wall BC 26, 27, 28, & 29	0.25	0.25	U	0.69	0.25	=	1.30	0.25	=			
L1-E53-C028-P2	IAAP146023	Wall BC 31 & 35	0.25	0.25	U	0.08	0.25	J	0.25	0.25	U			
L1-E53-C029-P2	IAAP146025	Wall BC 34 & 35	0.25	0.25	U	0.06	0.25	J	0.12	0.25	J			
L1-E53-C030-P2	IAAP146022	Floor BC 31, 32, 33, 34, & 35	0.25	0.25	U	0.18	0.25	J	0.65	0.25	=			
L1-E53-C031	IAAP146024	Wall BC 31, 32, & 33	0.25	0.25	U	0.11	0.25	J	0.39	0.25	=			

Table B-3-1. Soil Verification Data for Explosives at Line 1 at the Time of the First Five-Year Review (mg/kg)

Exposure Unit	Excavation Area	Excavation No.	Station Name	Sample Name	Location	2,4-DNT			HMX			RDX		
						Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :						8.7	---	---	51,000	---	---	53	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :						---	---	---	---	---	---	1.3	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^b :						740	---	---	57,000	---	---	3,800	---	---
<i>Eco CC</i> ^c :						---	---	---	15.2	---	---	25.6	---	---
EU9	B	32	L1-E32-C005-P2	IAAP150228	Wall BC 5 & 6	0.25	0.25	U	0.24	0.25	J	1.60	0.25	=
			L1-E32-C007-P2	IAAP150232	Floor BC 4, 5, 6, 7, 8,30, 31, & 23	0.25	0.25	U	2.30	0.25	=	2.80	0.25	=
			L1-E32-C0011	IAAP150225	Floor BC 13, 14, 15, 16, 17, & 18	0.25	0.25	U	0.27	0.25	=	0.11	0.25	J
			L1-E32-C0012	IAAP150226	Wall BC 16 & 17	0.25	0.25	U	0.67	0.25	=	0.13	0.25	J
			L1-E32-C001-P3	IAAP150647	Ramp BC 1, 2, 3, 4, 23, 24, 25, 26, 27, 28, & 29	0.25	0.25	U	0.46	0.25	=	0.52	0.25	=
			L1-E32-C006-P3	IAAP150651	Wall BC 22, 31, 23, 24, & 25	0.25	0.25	U	1.00	0.25	=	0.65	0.25	=
			L1-E32-C008-P2	IAAP150650	Floor BC 8, 9, 10, 32, 11, 12, 13 18, 19, 20, 21, 22, 31, & 30	0.25	0.25	U	10.00	0.25	=	93.00	0.25	=
			L1-E32-C013-P2	IAAP150653	Wall BC 32, 11, 12, 13, 14, 15, & 16	0.25	0.25	U	0.20	0.25	J	0.12	0.25	J
			L1-E32-C014	IAAP150648	Wall BC 1, 2, 3, & 4	0.25	0.25	U	0.17	0.25	J	0.25	0.25	U
			L1-E32-C015	IAAP150649	Wall BC 4 & 5	0.25	0.25	U	0.12	0.25	J	0.25	0.25	U
			L1-E32-C016	IAAP150652	Wall BC 18, 19, 20, 21, & 22	0.25	0.25	U	1.20	0.25	=	3.70	0.25	=
EU9B	C	33	L1-E33-C006	IAAP150233	Wall BC 10, 11, & 12	0.25	0.25	U	0.25	0.25	U	0.12	0.25	J
			L1-E33-C007	IAAP150234	Wall BC 8, 9, & 10	0.25	0.25	U	0.25	0.25	U	0.12	0.25	J
			L1-E33-C008	IAAP150235	Floor BC 9, 10, 11, 12, 13, 14, 15, 30, 16, 17, 18, & 22	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E33-C009	IAAP150236	Floor BC 7, 8, 9, 22, 18, 19, 20, & 21	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E33-C010	IAAP150237	Wall BC 30, 16, 17, & 18	0.25	0.25	U	0.21	0.25	J	0.15	0.25	J
			L1-E32-C011-P2	IAAP150667	Wall BC 18, 19, 20, 26, 27, & 4	0.25	0.25	U	0.30	0.25	=	0.38	0.25	=
			L1-E32-C012	IAAP150659	Floor BC 1, 2, 3, 4, 29, 5, & 6	0.25	0.25	U	0.25	0.25	=	0.64	0.25	=
			L1-E32-C013	IAAP150660	Wall BC 1, 6, 5, & 29	0.25	0.25	U	0.10	0.25	J	0.20	0.25	J
			L1-E32-C015	IAAP150662	Wall BC 4 & 29	0.25	0.25	U	0.04	0.25	J	0.09	0.25	J
			L1-E32-C016	IAAP150663	Wall BC 3 & 23	0.25	0.25	U	0.26	0.25	=	1.00	0.25	=
			L1-E32-C017	IAAP150664	Wall 24, 25, & 26	0.25	0.25	U	0.25	0.25	U	0.20	0.25	J
			L1-E32-C018	IAAP150665	Wall 3, 28, & 27	0.25	0.25	U	0.07	0.25	J	0.25	0.25	=
			L1-E32-C019	IAAP150666	Floor BC 3, 23, 24, 25, 26, 27, & 28	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E33-C020-P2	IAAP151144	Wall BC 8, 7, 24 & 23	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E33-C023	IAAP151197	Wall BC 2 & 3	0.24	0.24	U	0.24	0.24	U	0.24	0.24	U
L1-E33-C024	IAAP151198	Wall BC 1 & 2	0.24	0.24	U	0.24	0.24	U	0.76	0.24	=			

Table B-3-1. Soil Verification Data for Explosives at Line 1 at the Time of the First Five-Year Review (mg/kg)

Exposure Unit	Excavation Area	Excavation No.	Station Name	Sample Name	Location	2,4-DNT			HMX			RDX		
						Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :						8.7	---	---	51,000	---	---	53	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :						---	---	---	---	---	---	1.3	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^b :						740	---	---	57,000	---	---	3,800	---	---
<i>Eco CC</i> ^c :						---	---	---	15.2	---	---	25.6	---	---
EU9B	D	52	L1-E52-C001	IAAP139785	East Wall BC 6, 7, & 8	0.25	0.25	U	0.07	0.25	J	0.09	0.25	J
			L1-E52-C002	IAAP139786	South Wall BC 8, 9, 10, 11, 12, 13, & 14	0.25	0.25	U	0.04	0.25	J	0.14	0.25	J
			L1-E52-C003	IAAP139787	West Wall BC 14, 15, 16, 17, & 18	0.25	0.25	U	0.14	0.25	J	0.08	0.25	J
			L1-E52-C004	IAAP139788	Floor BC 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, & 22	0.25	0.25	U	0.36	0.25	=	0.66	0.25	J
EU9B	E	59	L1-E59-C001	IAAP146026	Floor BC 1, 2, 3, 4, 5, 6, 7, 8, 9, & 10	0.25	0.25	U	0.25	0.25	U	0.11	0.25	J
			L1-E59-C004	IAAP146027	Wall BC 7, 8, & 9	0.25	0.25	U	0.08	0.25	J	0.64	0.25	=
			L1-E59-C005-P2	IAAP146245	Wall BC 6 & 7	0.25	0.25	U	0.05	0.25	J	0.10	0.25	J
			L1-E59-C006	IAAP146029	Wall BC 5 & 6	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
			L1-E59-C007	IAAP146030	Wall BC 10, 1, 2, 3, 4, & 5	0.25	0.25	U	0.04	0.25	J	0.07	0.25	J
EU9D	A	36	L1-E36-C001	IAAP112472	NE wall BC 1 and 8	0.30	0.3	U	0.30	0.3	U	0.30	0.3	U
			L1-E36-C002	IAAP112473	SE wall BC 1 and 2; 3, 5, and 6	0.33	0.33	U	0.33	0.33	U	0.33	0.33	U
			L1-E36-C003	IAAP112474	SW wall BC 2 and 3; 6a and 7	0.29	0.29	U	0.29	0.29	U	0.29	0.29	U
			L1-E36-C004	IAAP112475	NW wall BC 7 and 8	0.29	0.29	U	0.29	0.29	U	0.29	0.29	U
			L1-E36-C005	IAAP112476	floor of EXC	0.29	0.29	U	0.29	0.29	U	0.29	0.29	U
EU9D	B	37	L1-E37-C001	IAAP112477	NE wall BC 4, 5, 6, and 1	0.30	0.3	U	0.30	0.3	U	0.30	0.3	U
			L1-E37-C002	IAAP112478	SE wall BC 1 and 2	0.31	0.31	U	0.31	0.31	U	0.31	0.31	U
			L1-E37-C003	IAAP112479	SW wall BC 2 and 3	0.30	0.3	U	0.30	0.3	U	0.30	0.3	U
			L1-E37-C004	IAAP112480	NW wall BC 3 and 4	0.29	0.29	U	0.29	0.29	U	0.29	0.29	U
			L1-E37-C005	IAAP112481	floor of EXC	0.31	0.31	U	0.31	0.31	U	0.31	0.31	U
Maximum Reported Concentration (Detects and Non-Detects):						0.35	---	U	29.00	---	=	200.00	---	=
Maximum Detected Concentration:						NA	---	---	29.00	---	=	200.00	---	=
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0):						0	---	---	0	---	---	2	---	---
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection):						---	---	---	---	---	---	18	---	---
Number of Sample Results Greater than USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0):						0	---	---	0	---	---	0	---	---
Number of Sample Results Greater than Eco CC:						---	---	---	3	---	---	2	---	---

^a Gray-shaded concentrations exceed the corresponding IAAAP OU-1 ROD RGs protective of an industrial worker ingesting soil (USACE 1998a).

^b Concentrations in **bold** exceed the corresponding RSLs (USEPA 2018a) protective of an industrial worker exposed to soil via ingestion, dermal contact, and dust inhalation.

^c Concentrations in *italics* exceed the corresponding Eco CCs calculated for Line 1.

Notes:

"---" Indicates that there is no comparison value available.

All results and comparison values are in mg/kg.

BC - Between Corners

NA - Maximum detected result is not available because all results reported for the parameter are non-detect.

VQ symbols indicate: "=" positive identification, positive quantitation, no reason to estimate, "U" non-detect, no reason to estimate, "J" positive identification, estimated quantitation,

"UJ" analyte was not detected and had QC deficiencies.

Table B-3-2. Soil Verification Data for Polynuclear Aromatic Hydrocarbons at Line 1 at the Time of the First Five-Year Review (mg/kg)

Exposure Unit	Excavation Area	Excavation No.	Station Name	Sample Name	Location	Benzo(a)anthracene			Benzo(a)pyrene			Benzo(b)fluoranthene			Dibenzo(a,h)anthracene		
						Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :						8.1	---	---	0.81	---	---	8.1	---	---	0.81	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :						---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^b :						2,100	---	---	210	---	---	2,100	---	---	210	---	---
<i>Eco CC</i> ^c :						---	---	---	---	---	---	---	---	---	---	---	---
EU3	B	3	L1-E3-C001	IAAP112188	east wall BC 1 and 2	0.17	0.17	UJ	0.17	0.17	UJ	0.17	0.17	UJ	0.35	0.35	UJ
			L1-E3-C003	IAAP112190	south wall BC 2 and 3	0.19	0.19	UJ	0.19	0.19	UJ	0.19	0.19	UJ	0.38	0.38	UJ
			L1-E3-C004	IAAP112190-1	FD of 112190	0.16	0.16	UJ	0.16	0.16	UJ	0.16	0.16	UJ	0.33	0.33	UJ
			L1-E3-C006	IAAP112191	west wall BC 3 and 4 and 5 and 6	0.18	0.18	UJ	0.18	0.18	UJ	0.18	0.18	UJ	0.37	0.37	UJ
			L1-E3-C008	IAAP112193	north wall BC 4 and 5 and 6 and 1	0.16	0.16	UJ	0.16	0.16	UJ	0.16	0.16	UJ	0.32	0.32	UJ
			L1-E3-C009	IAAP112194	floor of EXC	0.19	0.19	UJ	0.19	0.19	UJ	0.19	0.19	UJ	0.37	0.37	UJ
EU3	D	4	L1-E4-C001	IAAP112195	east wall BC 1 and 2	0.16	0.16	UJ	0.16	0.16	UJ	0.16	0.16	UJ	0.31	0.31	UJ
			L1-E4-C003	IAAP112195-1	FD of above sample	0.16	0.16	UJ	0.16	0.16	UJ	0.16	0.16	UJ	0.31	0.31	UJ
			L1-E4-C004	IAAP112196	south wall BC 2 and 3	0.18	0.18	UJ	0.18	0.18	UJ	0.18	0.18	UJ	0.36	0.36	UJ
			L1-E4-C005	IAAP112197	west wall BC 3 and 4	0.25	0.18	J	1.20	0.18	J	0.69	0.18	J	0.37	0.37	UJ
			L1-E4-C006	IAAP112198	north wall BC 1 and 4	0.17	0.17	UJ	0.17	0.17	UJ	0.17	0.17	UJ	0.33	0.33	UJ
			L1-E4-C007	IAAP112199	floor of EXC	0.18	0.18	UJ	0.29	0.18	J	0.28	0.18	J	0.35	0.35	UJ
EU3	D	5	L1-E5-C001	IAAP112200	east wall BC 1, 2, and 3; 4,5, and 6	0.18	0.18	UJ	0.18	0.18	UJ	0.18	0.18	UJ	0.35	0.35	UJ
			L1-E5-C002	IAAP112201	south wall BC 6 and 7	0.18	0.18	UJ	0.21	0.18	J	0.22	0.18	J	0.35	0.35	UJ
			L1-E5-C003	IAAP112202	west wall BC 7, 8 and 9; 10, 11, and 12	0.17	0.17	UJ	0.17	0.17	UJ	0.17	0.17	UJ	0.34	0.34	UJ
			L1-E14-C004	IAAP112203	north wall BC 1 and 12	0.20	0.2	UJ	0.20	0.2	UJ	0.20	0.2	UJ	0.40	0.4	UJ
			L1-E5-C005	IAAP112204	floor of EXC BC 1,2, 3, 10, 11, and 12; 4, 5, 6, 7, 8, and 9	0.22	0.22	UJ	0.22	0.22	UJ	0.22	0.22	UJ	0.44	0.44	UJ
			L1-E5-C006	IAAP112209	transformer walls BC 3 and 10; 4 and 9	3.30	0.17	J	2.90	0.17	J	3.40	0.17	J	0.34	0.34	UJ

Table B-3-2. Soil Verification Data for Polynuclear Aromatic Hydrocarbons at Line 1 at the Time of the First Five-Year Review (mg/kg)

Exposure Unit	Excavation Area	Excavation No.	Station Name	Sample Name	Location	Benzo(a)anthracene			Benzo(a)pyrene			Benzo(b)fluoranthene			Dibenzo(a,h)anthracene		
						Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :						8.1	---	---	0.81	---	---	8.1	---	---	0.81	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :						---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^b :						2,100	---	---	210	---	---	2,100	---	---	210	---	---
<i>Eco CC</i> ^c :						---	---	---	---	---	---	---	---	---	---	---	---
EU4	A	6	L1-E6-C001	IAAP112218	north wall BC 43 and 44	0.17	0.17	UJ	0.17	0.17	UJ	0.17	0.17	UJ	0.34	0.34	UJ
			L1-E6-C002	IAAP112219	north wall BC 44 and 45	1.10	0.16	J	1.50	0.16	J	1.40	0.16	J	0.32	0.32	UJ
			L1-E6-C003	IAAP112220	north wall BC 1 and 48	0.17	0.17	UJ	0.17	0.17	UJ	0.17	0.17	UJ	0.34	0.34	UJ
			L1-E6-C004	IAAP112221	east wall BC 46, 12, and 13	0.21	0.16	J	0.31	0.16	J	0.31	0.16	J	0.33	0.33	UJ
			L1-E6-C005	IAAP112222	west wall BC 10, 47, and 48	0.54	0.17	J	0.70	0.17	J	0.74	0.17	J	0.34	0.34	UJ
			L1-E6-C006	IAAP112223	east wall BC 1, 2, and 3; 6 and 7; 8 and 9	0.17	0.17	UJ	0.17	0.17	UJ	0.17	0.17	UJ	0.34	0.34	UJ
			L1-E6-C007	IAAP112224	BC 14 and 45	16.00	1.7	=	16.00	1.7	=	17.00	1.7	=	0.34	0.34	UJ
			L1-E6-C008	IAAP112225	south wall BC 13 and 14	62.00	3.3	=	43.00	3.3	=	46.00	3.3	=	0.33	0.33	UJ
			L1-E6-C010	IAAP112227	south wall BC 37, 38, and 39	0.18	0.18	UJ	0.18	0.18	UJ	0.18	0.18	UJ	0.37	0.37	UJ
			L1-E6-C012	IAAP112228	north (south) wall BC 26 and 36	0.19	0.19	UJ	0.19	0.19	UJ	0.19	0.19	UJ	0.37	0.37	UJ
			L1-E6-C013	IAAP112229	south wall BC 29 and 30	0.18	0.18	UJ	0.18	0.18	UJ	0.18	0.18	UJ	0.35	0.35	UJ
			L1-E6-C014	IAAP112230	south wall BC 3, 4, 5, and 6; 7 and 8; 10 and 11	0.17	0.17	UJ	0.17	0.17	UJ	0.17	0.17	UJ	0.33	0.33	UJ
			L1-E6-C015	IAAP112231	north wall BC 45 and 46	0.72	0.16	J	0.90	0.16	J	0.91	0.16	J	0.32	0.32	UJ
			L1-E6-C016	IAAP112232	west wall BC 39, 40, 41, 42, and 43	0.56	0.17	J	0.78	0.17	J	0.84	0.17	J	0.35	0.35	UJ
			L1-E6-C017	IAAP112233	west wall BC 38 and 44	4.00	0.33	=	4.80	0.33	=	5.30	0.16	J	0.33	0.33	UJ
			L1-E6-C018	IAAP112234	west wall BC 36 and 37	0.17	0.17	UJ	0.17	0.17	J	0.20	0.17	J	0.34	0.34	UJ
			L1-E6-C019	IAAP112235	west wall BC 30, 31, 32, 33, 34, and 35	0.29	0.18	J	0.43	0.18	J	0.42	0.18	J	0.36	0.36	UJ
			L1-E6-C020	IAAP112236	Floor BC 11, 12, 13, 14, 45, and 46	1.30	0.17	J	1.80	0.17	J	1.80	0.17	J	0.34	0.34	UJ
			L1-E6-C022	IAAP112238	Floor BC 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 47, 48	0.17	0.17	UJ	0.17	0.17	UJ	0.17	0.17	UJ	0.33	0.33	UJ
			L1-E6-C023	IAAP112239	Floor BC 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 36, 37, 38, 44, and 45	0.21	0.18	J	0.28	0.18	J	0.28	0.18	J	0.35	0.35	UJ
L1-E6-C024	IAAP112240	Floor BC 38, 39, 40, 41, 42, 43, and 44	14.00	1.8	J	17.00	1.8	J	17.00	1.8	J	0.35	0.35	UJ			
L1-E6-C025	IAAP112241	Floor BC 26, 27, 28, 29, 30, 31, 32, 33, 34, and 35	0.17	0.17	UJ	0.17	0.17	UJ	0.17	0.17	UJ	0.35	0.35	UJ			
EU4	B & C	7 & 8	L1-E7-C001	IAAP112242	NW wall BC 1 and 2	2.30	0.18	=	2.10	0.18	=	2.40	0.18	=	0.35	0.35	U
			L1-E7-C002	IAAP112243	NE wall BC 1, 5, and 4	0.09	0.18	=	0.10	0.18	=	0.11	0.18	=	0.36	0.36	U
			L1-E7-C003	IAAP112244	SW wall BC 3 and 4	0.02	0.19	=	0.03	0.19	=	0.03	0.19	=	0.38	0.38	U
			L1-E7-C004	IAAP112245	SE wall BC 2 and 3	0.18	0.18	U	0.18	0.18	U	0.18	0.18	U	0.36	0.36	U
			L1-E7-C005	IAAP112246	floor of EXC	0.23	0.18	=	0.29	0.18	=	0.29	0.18	=	0.36	0.36	U

Table B-3-2. Soil Verification Data for Polynuclear Aromatic Hydrocarbons at Line 1 at the Time of the First Five-Year Review (mg/kg)

Exposure Unit	Excavation Area	Excavation No.	Station Name	Sample Name	Location	Benzo(a)anthracene			Benzo(a)pyrene			Benzo(b)fluoranthene			Dibenzo(a,h)anthracene		
						Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :						8.1	---	---	0.81	---	---	8.1	---	---	0.81	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :						---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^b :						2,100	---	---	210	---	---	2,100	---	---	210	---	---
<i>Eco CC</i> ^c :						---	---	---	---	---	---	---	---	---	---	---	---
EU5	A	11	L1-E11-C001	IAAP112275	north wall BC 1 and 2	0.47	0.18	J	0.53	0.18	J	0.54	0.18	J	0.35	0.35	UJ
			L1-E11-C002	IAAP112276	east wall BC 16 and 17	0.18	0.18	UJ	0.18	0.18	UJ	0.18	0.18	UJ	0.35	0.35	UJ
			L1-E11-C003	IAAP112277	south wall BC 12, 13, 14, 15, and 16	0.46	0.19	J	0.62	0.19	J	0.57	0.19	J	0.39	0.39	UJ
			L1-E11-C005	IAAP112277-1	FD of IAAP112277	0.20	0.2	UJ	0.20	0.2	UJ	0.20	0.2	UJ	0.41	0.41	UJ
			L1-E11-C006	IAAP112278	south wall BC 10 and 11	0.72	0.17	J	0.70	0.17	J	0.69	0.17	J	0.34	0.34	UJ
			L1-E11-C007	IAAP112279	north wall BC 17, 18, and 19	0.18	0.18	UJ	0.18	0.18	UJ	0.18	0.18	UJ	0.36	0.36	UJ
			L1-E11-C008	IAAP112280	east wall BC 1 and 11	0.90	0.18	J	1.40	0.18	J	1.30	0.18	J	0.35	0.35	UJ
			L1-E11-C009	IAAP112281	west floor BC 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, and 11	0.26	0.18	J	0.33	0.18	J	0.30	0.18	J	0.36	0.36	UJ
			L1-E11-C010	IAAP112356	east floor BC 12, 13, 14, 15, 16, 17, 18, and 19	0.19	0.19	UJ	0.19	0.19	UJ	0.19	0.19	UJ	0.38	0.38	UJ
			L1-E11-C011	IAAP112355	west wall BC 12 and 19	0.34	0.17	J	0.59	0.17	J	0.70	0.17	J	0.33	0.33	UJ
			EU5	C	13	L1-E13-C001	IAAP112287	north wall BC 4 and 5	0.43	0.18	=	0.57	0.18	=	0.83	0.18	=
L1-E13-C002	IAAP112288	east wall BC 1 and 2				0.42	0.19	=	0.45	0.19	=	0.52	0.19	=	0.38	0.38	U
L1-E13-C003	IAAP112289	south wall BC 2 and 3				0.42	0.19	=	0.46	0.19	=	0.49	0.19	=	0.38	0.38	U
L1-E13-C005	IAAP112291	floor of EXC				0.19	0.19	U	0.19	0.19	U	0.19	0.19	U	0.38	0.38	U
EU5	H	18	L1-E18-C001	IAAP112314	north wall BC 11 and 12	0.18	0.18	UJ	0.18	0.18	UJ	0.18	0.18	UJ	0.36	0.36	UJ
			L1-E18-C002	IAAP112315	east wall BC 12, 13, 14, 15, 16, and 17	3.60	0.18	J	3.10	0.18	J	2.80	0.18	J	0.35	0.35	UJ
			L1-E18-C003	IAAP112316	North Floor of EXC BC 1, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, and 21	0.44	0.18	J	0.44	0.18	J	0.41	0.18	J	0.35	0.35	UJ
			L1-E18-C004	IAAP112317	east wall BC 1 and 2	0.27	0.18	J	0.32	0.18	J	0.35	0.18	J	0.36	0.36	UJ
			L1-E18-C005	IAAP112318	south wall BC 8 and 9	0.26	0.18	J	0.33	0.18	J	0.36	0.18	J	0.36	0.36	UJ
			L1-E18-C007	IAAP112318-1	FD of IAAP112318	0.44	0.18	J	0.51	0.18	J	0.53	0.18	J	0.35	0.35	UJ
			L1-E18-C008	IAAP112319	west wall BC 10 and 11	2.60	0.18	J	4.30	0.18	J	4.60	0.18	J	0.36	0.36	UJ
			L1-E18-C009	IAAP112320	west wall BC 9 and 10	3.00	0.18	J	3.50	0.18	J	3.60	0.18	J	0.36	0.36	UJ
			L1-E18-C010	IAAP112321	South Floor of EXC BC 1, 2, 3, 4, 5, 6, 7, 8, 9, and 10	0.83	0.18	J	1.10	0.18	J	1.20	0.18	J	0.36	0.36	UJ
			EU5	I	19	L1-E19-C001	IAAP112322	north wall BC 4 and 5	0.91	0.18	J	0.98	0.18	J	1.00	0.18	J
L1-E19-C002	IAAP112322-1	FD of IAAP112322				3.10	0.18	J	3.30	0.18	J	3.20	0.18	J	0.36	0.36	UJ
L1-E19-C004	IAAP112323	east wall BC 6 and 2				0.82	0.18	J	1.00	0.18	J	1.00	0.18	J	0.37	0.37	UJ
L1-E19-C005	IAAP112324	south wall BC 2 and 3				1.80	0.18	J	1.70	0.18	J	1.60	0.18	J	0.36	0.36	UJ
L1-E19-C006	IAAP112325	west wall BC 3 and 4				46.00	3.6	J	63.00	3.6	J	75.00	3.6	J	0.36	0.36	UJ
L1-E19-C007	IAAP112326	floor of EXC				0.18	0.18	UJ	0.18	0.18	UJ	0.18	0.18	UJ	0.36	0.36	UJ

Table B-3-2. Soil Verification Data for Polynuclear Aromatic Hydrocarbons at Line 1 at the Time of the First Five-Year Review (mg/kg)

Exposure Unit	Excavation Area	Excavation No.	Station Name	Sample Name	Location	Benzo(a)anthracene			Benzo(a)pyrene			Benzo(b)fluoranthene			Dibenzo(a,h)anthracene		
						Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :						8.1	---	---	0.81	---	---	8.1	---	---	0.81	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :						---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^b :						2,100	---	---	210	---	---	2,100	---	---	210	---	---
<i>Eco CC</i> ^c :						---	---	---	---	---	---	---	---	---	---	---	---
EU8	A	28	L1-E28-C001	IAAP112390	north wall BC 1 and 2	0.02	0.017	UJ	0.05	0.017	=	0.06	0.017	=	0.04	0.035	U
			L1-E28-C002	IAAP112391	east wall BC 2 and 3	1.20	0.35	J	1.20	0.35	=	1.60	0.35	=	0.70	0.7	U
			L1-E28-C003	IAAP112392	south wall BC 3 and 4	1.10	0.18	J	1.20	0.18	=	1.60	0.18	=	0.36	0.36	U
			L1-E28-C005	IAAP112393	west wall BC 1 and 4	0.02	0.017	UJ	0.02	0.017	=	0.03	0.017	=	0.03	0.033	U
			L1-E28-C006	IAAP112394	floor of EXC	0.62	0.17	J	0.55	0.17	=	0.71	0.17	=	0.35	0.35	U
EU8	C	30	L1-E30-C001	IAAP112412	north wall BC 2 and 3	0.56	0.19	J	0.57	0.19	=	0.65	0.19	=	0.38	0.38	U
			L1-E30-C003	IAAP112413	east wall BC 3 and 3a	3.20	0.34	J	4.80	0.34	=	5.30	0.34	=	0.69	0.69	U
			L1-E30-C004	IAAP112414	east wall BC 7a and 8	0.04	0.019	J	0.06	0.019	=	0.08	0.019	=	0.04	0.038	U
			L1-E30-C005	IAAP112415	south wall BC 8 and 1	0.22	0.18	J	0.25	0.18	=	0.33	0.18	=	0.36	0.36	U
			L1-E30-C007	IAAP112417	west wall BC 1 and 12	0.25	0.16	J	0.36	0.16	=	0.45	0.16	=	0.32	0.32	U
			L1-E30-C008	IAAP112418	west wall BC 9 and 2	1.60	0.19	J	2.30	0.19	=	2.50	0.19	=	0.38	0.38	U
			L1-E30-C009	IAAP112419	Floor BC 2, 3, 3a, 4, 5, 6, 7, 10a, 10 and 9	0.43	0.17	J	0.64	0.17	=	0.83	0.17	=	0.33	0.33	U
			L1-E30-C011	IAAP112420	Floor BC 1, 12, 11, 10a, 7, 7a, and 8	0.25	0.18	J	0.46	0.18	=	0.53	0.18	=	0.37	0.37	U
			L1-E30-C012	IAAP112421	north wall BC 9 and 10	0.09	0.02	J	0.13	0.02	=	0.14	0.02	=	0.04	0.04	U
			L1-E30-C013	IAAP112422	east wall BC 10 10a, and 11	0.02	0.019	UJ	0.02	0.019	U	0.02	0.019	=	0.04	0.039	U
			L1-E30-C014	IAAP112423	south wall BC 11 and 12	1.10	0.19	J	1.60	0.19	=	1.90	0.19	=	0.39	0.39	U
			L1-E30-C015	IAAP112424	west wall BC 9 and 12	2.80	0.34	J	4.80	0.34	=	5.40	0.34	=	0.68	0.68	U
			L1-E30-C016	IAAP112425	floor BC 9, 10, 10, 11, and 12	0.21	0.2	J	0.23	0.2	=	0.31	0.2	=	0.40	0.4	U
EU9B	A	31	L1-E31-C001	IAAP112434	south wall BC 1 and 6	0.69	0.17	J	0.64	0.17	J	0.60	0.17	J	0.34	0.34	UJ
			L1-E31-C002	IAAP112435	east wall BC 1 and 7 and 8 and 2	11.00	1.7	=	11.00	1.7	=	11.00	1.7	=	0.34	0.34	UJ
			L1-E31-C004	IAAP112436	north wall BC 4 and 5	0.17	0.17	UJ	0.17	0.17	UJ	0.17	0.17	UJ	0.34	0.34	UJ
			L1-E31-C006	IAAP112438	east wall BC 5 and 6	0.17	0.17	UJ	0.17	0.17	UJ	0.17	0.17	UJ	0.33	0.33	UJ
			L1-E31-C007	IAAP112439	west wall BC 3 and 4	0.18	0.18	UJ	0.18	0.18	UJ	0.18	0.18	UJ	0.35	0.35	UJ
			L1-E31-C008	IAAP112440	floor of EXC	0.18	0.18	UJ	0.18	0.18	UJ	0.18	0.18	UJ	0.36	0.36	UJ
			L1-E31-C009	IAAP112494	roof material composite	0.17	0.17	UJ	0.42	0.17	J	0.35	0.17	J	0.34	0.34	UJ
EU9C	A	34	L1-E34-C001	IAAP112451	north wall BC 1, 2, and 3	0.18	0.18	UJ	0.18	0.18	UJ	0.18	0.18	UJ	0.36	0.36	UJ
			L1-E34-C005	IAAP112455	east wall BC 3 and 4	0.76	0.18	J	0.77	0.18	J	0.82	0.18	J	0.36	0.36	UJ
			L1-E34-C008	IAAP112458	south wall BC 4 and 5	30.00	1.8	=	27.00	1.8	=	28.00	1.8	=	0.36	0.36	UJ
			L1-E34-C012	IAAP112462	west wall BC 5 and 1	5.90	0.38	=	6.00	0.38	=	5.40	0.19	J	0.38	0.38	UJ
			L1-E34-C014	IAAP112464	Floor of EXC	10.00	1.8	=	10.00	1.8	=	11.00	1.8	=	0.37	0.37	UJ

Table B-3-2. Soil Verification Data for Polynuclear Aromatic Hydrocarbons at Line 1 at the Time of the First Five-Year Review (mg/kg)

Exposure Unit	Excavation Area	Excavation No.	Station Name	Sample Name	Location	Benzo(a)anthracene			Benzo(a)pyrene			Benzo(b)fluoranthene			Dibenzo(a,h)anthracene		
						Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :						8.1	---	---	0.81	---	---	8.1	---	---	0.81	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :						---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^b :						2,100	---	---	210	---	---	2,100	---	---	210	---	---
<i>Eco CC</i> ^c :						---	---	---	---	---	---	---	---	---	---	---	---
EU9C	B	35	L1-E35-C001	IAAP112467	north wall BC 1, 10, 5, and 4	0.25	0.19	J	0.21	0.19	J	0.23	0.19	J	0.38	0.38	UJ
			L1-E35-C003	IAAP112467-1	FD of IAAP112467	0.20	0.2	UJ	0.20	0.2	UJ	0.20	0.2	UJ	0.40	0.4	UJ
			L1-E35-C004	IAAP112468	east wall BC 1 and 2	0.21	0.2	J	0.20	0.2	UJ	0.20	0.2	UJ	0.40	0.4	UJ
			L1-E35-C005	IAAP112469	south wall BC 2 and 3	0.23	0.23	UJ	0.23	0.23	UJ	0.23	0.23	UJ	0.46	0.46	UJ
			L1-E35-C006	IAAP112470	west wall BC 3 and 4	1.10	0.2	J	1.10	0.2	J	1.00	0.2	J	0.39	0.39	UJ
			L1-E35-C007	IAAP112471	floor of EXC BC 1, 2, 3, 4, 5, and 10	0.20	0.2	UJ	0.20	0.2	UJ	0.20	0.2	UJ	0.41	0.41	UJ
Maximum Reported Concentration (Detects and Non-Detects):						62.00	---	=	63.00	---	J	75.00	---	J	0.70	---	U
Maximum Detected Concentration:						62.00	---	=	63.00	---	J	75.00	---	J	NA	---	---
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0):						7	---	---	31	---	---	7	---	---	0	---	---
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection):						---	---	---	---	---	---	---	---	---	---	---	---
Number of Sample Results Greater than USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0):						0	---	---	0	---	---	0	---	---	0	---	---
Number of Sample Results Greater than Eco CC:						---	---	---	---	---	---	---	---	---	---	---	---

^a Gray-shaded concentrations exceed the corresponding IAAAP OU-1 ROD RGs protective of an industrial worker ingesting soil (USACE 1998a).

^b Concentrations in **bold** exceed the corresponding RSLs (USEPA 2018a) protective of an industrial worker exposed to soil via ingestion, dermal contact, and dust inhalation.

^c Concentrations in *italics* exceed the corresponding Eco CCs calculated for Line 1.

Notes:

"---" Indicates that there is no comparison value available.

All results and comparison values are in mg/kg.

BC - Between Corners

NA - Maximum detected result is not available because all results reported for the parameter are non-detect.

VQ symbols indicate: "=" positive identification, positive quantitation, no reason to estimate, "U" non-detect, no reason to estimate, "J" positive identification, estimated quantitation, "UJ" analyte was not detected and had QC deficiencies.

Table B-3-3. Soil Verification Data for Polychlorinated Biphenyls at Line 1 at the Time of the First Five-Year Review (mg/kg)

Exposure Unit	Excavation Area	Excavation No.	Station Name	Sample Name	Location	Aroclor-1254			Aroclor-1260			PCBs (Total)				
						Result	DL	VQ	Result	DL	VQ	Result	DL	VQ		
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :						---	---	---	---	---	---	10	---	---		
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :						---	---	---	---	---	---	---	---	---		
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:						97	---	---	99	---	---	94	---	---		
<i>Eco CC^c:</i>						<i>1.14</i>	---	---	<i>1.14</i>	---	---	---	---	---		
EU1	A	1	L1-E1-C008	IAAP130263	Floor BC 1, 2, 3, 10, 11, 12, 13, 14, 15, and 16	0.039	0.039	U	0.015	0.039	J	0.327	---	---		
			L1-E1-C009	IAAP130266	Wall BC 15, 16, and 1	0.037	0.037	U	0.037	0.037	=	0.333	---	---		
			L1-E1-C010	IAAP130267	Wall BC 1, 2, and 3	0.038	0.038	U	0.071	0.038	=	0.375	---	---		
			L1-E1-C011	IAAP130490	Wall BC 10, 11, and 12	0.038	0.038	U	2.200	0.15	=	2.504	---	---		
			L1-E1-C012	IAAP130491	Wall BC 12, 13, 14, and 15	0.037	0.037	U	0.026	0.037	J	0.322	---	---		
			L1-E1-C013	IAAP130492	Walls under concrete pad BC 17, 18, 19, and 20	0.039	0.039	U	0.320	0.039	=	0.632	---	---		
			L1-E1-C014	IAAP130493	Floor BC 21, 22, 23, and 24	0.041	0.041	U	0.370	0.041	=	0.698	---	---		
			L1-E1-C015	IAAP130494	Wall BC 3, 4, 5, and 6	0.040	0.04	U	0.870	0.04	=	1.190	---	---		
			L1-E1-C016	IAAP130495	Wal BC 6, 7, 8, and 9	0.041	0.041	U	0.300	0.041	=	0.628	---	---		
			L1-E1-C017	IAAP130496	Wall BC 9 and 10	0.039	0.039	U	2.100	0.16	=	2.412	---	---		
L1-E1-C018						IAAP130497	Floor BC 3, 4, 5, 6, 7, 8, 9, and 10	0.040	0.04	U	1.200	0.04	=	1.520	---	---
Maximum Reported Concentration (Detects and Non-Detects):						0.041	---	U	2.200	---	=	2.504	---	---		
Maximum Detected Concentration:						NA	---	---	2.200	---	=	2.504	---	---		
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0):						---	---	---	---	---	---	0	---	---		
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection):						---	---	---	---	---	---	---	---	---		
Number of Sample Results Greater than USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0):						0	---	---	0	---	---	0	---	---		
Number of Sample Results Greater than Eco CC:						0	---	---	3	---	---	---	---	---		

^a Gray-shaded concentrations exceed the corresponding IAAAP OU-1 ROD RGs protective of an industrial worker ingesting soil (USACE 1998a).

^b Concentrations in **bold** exceed the corresponding RSLs (USEPA 2018a) protective of an industrial worker exposed to soil via ingestion, dermal contact, and dust inhalation.

^c Concentrations in *italics* exceed the corresponding Eco CCs calculated for Line 1.

Notes:

"---" Indicates that there is no comparison value available.

All results and comparison values are in mg/kg.

BC - Between Corners

NA - Maximum detected result is not available because all results reported for the parameter are non-detect.

VQ symbols indicate: "=" positive identification, positive quantitation, no reason to estimate, "U" non-detect, no reason to estimate, "J" positive identification, estimated quantitation, "UJ" analyte was not detected and had QC deficiencies.

Table B-3-4. Soil Verification Data for Metals at Line 1 at the Time of the First Five-Year Review (mg/kg)

Exposure Unit	Excavation Area	Excavation No.	Station Name	Sample Name	Location	Antimony			Arsenic			Barium		
						Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^b :						816	---	---	30	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^b :						---	---	---	---	---	---	4,100	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^c:						470	---	---	300	---	---	220,000	---	---
<i>Eco CC^d:</i>						<i>1,161</i>	---	---	<i>156</i>	---	---	<i>2,520</i>	---	---
EU3	A	2	L1-E2-C001	IAAP112183	east wall BC 1 and 4	3.80	0.67	J	6.80	0.51	=	162.00	0.34	=
			L1-E2-C002	IAAP112184	south wall BC 1 and 2	4.30	0.67	J	6.80	0.51	=	165.00	0.34	=
			L1-E2-C003	IAAP112185	west wall BC 2 and 3	1.90	1.8	J	8.50	0.54	=	202.00	0.37	=
			L1-E2-C004	IAAP112186	north wall BC 3 and 4	2.60	0.66	J	7.20	0.5	=	183.00	0.34	=
			L1-E2-C005	IAAP112187	floor of EXC	3.60	0.71	J	8.30	0.54	=	225.00	0.36	=
			L1-E2-C006	IAAP112187-1	FD of IAAP112187	4.00	0.7	J	7.10	0.53	=	215.00	0.36	=
EU4	B & C	7 & 8	L1-E7-C001	IAAP112242	NW wall BC 1 and 2	3.30	0.67	=	5.10	0.51	=	120.00	0.35	=
			L1-E7-C002	IAAP112243	NE wall BC 1, 5, and 4	4.40	0.68	=	5.90	0.52	=	224.00	0.35	=
			L1-E7-C003	IAAP112244	SW wall BC 3 and 4	4.40	0.72	=	6.50	0.55	=	197.00	0.37	=
			L1-E7-C004	IAAP112245	SE wall BC 2 and 3	4.90	0.69	=	7.30	0.52	=	192.00	0.35	=
			L1-E7-C005	IAAP112246	floor of EXC	4.60	0.69	=	12.50	0.52	=	243.00	0.35	=
EU4	E	10	L1-E10-C001	IAAP112253	north wall BC 12, 13, and 1	10.30	1.3	J	11.70	0.96	=	287.00	0.65	=
			L1-E10-C002	IAAP112254	east wall BC 1 and 2	7.00	1.3	J	18.60	2.4	=	317.00	0.65	=
			L1-E10-C003	IAAP112255	south wall BC 6 and 7	6.50	1.3	J	16.90	0.97	=	212.00	0.66	=
			L1-E10-C004	IAAP112256	west wall BC 11 and 12	11.70	1.3	J	11.20	0.97	=	444.00	0.65	=
			L1-E14-C004	IAAP112257	floor of EXC	7.00	1.3	J	8.20	1	=	299.00	0.68	=
EU5	D	14	L1-E14-C001	IAAP112292	north wall BC 1 and 8	6.50	0.72	J	9.30	0.55	=	276.00	0.37	=
			L1-E14-C002	IAAP112293	east wall BC 1 and 2	5.70	0.72	J	10.80	1.4	=	302.00	0.37	=
			L1-E14-C004	IAAP112295	west wall BC 7 and 8	6.10	0.74	J	11.40	0.56	=	243.00	0.38	=
			L1-E14-C005	IAAP112296	floor of EXC	5.80	0.7	J	17.60	1.3	=	216.00	0.36	=
EU5	J	20	L1-E20-C001	IAAP112327	north wall BC 1 and 2	5.50	0.66	J	6.50	1.3	=	286.00	0.34	=
			L1-E20-C002	IAAP112328	east wall BC 2 and 3	5.20	0.66	J	6.50	1.3	=	203.00	0.34	=
			L1-E20-C005	IAAP112328-1	FD of IAAP112328	4.70	0.67	J	7.20	0.51	=	200.00	0.34	=
			L1-E20-C006	IAAP112330	floor of EXC	5.00	0.63	J	7.40	1.2	=	243.00	0.33	=
Maximum Reported Concentration (Detects and Non-Detects):						11.70	---	J	18.60	---	=	444.00	---	=
Maximum Detected Concentration:						11.70	---	J	18.60	---	=	444.00	---	=
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0):						0	---	---	0	---	---	---	---	---
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection):						---	---	---	---	---	---	0	---	---
Number of Sample Results Greater than USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0):						0	---	---	0	---	---	0	---	---
Number of Sample Results Greater than Eco CC:						0	---	---	0	---	---	0	---	---

^a The IAAAP OU-1 ROD RG and RSL (USEPA 2017) for industrial soil are presented for chromium are for hexavalent chromium.

^b Gray-shaded concentrations exceed the corresponding IAAAP OU-1 ROD RGs protective of an industrial worker ingesting soil (USACE 1998a).

^c Concentrations in **bold** exceed the corresponding RSLs (USEPA 2018a) protective of an industrial worker exposed to soil via ingestion, dermal contact, and dust inhalation.

^d Concentrations in *italics* exceed the corresponding Eco CCs calculated for the WBPS.

Notes:

"---" Indicates that there is no comparison value available.

All results and comparison values are in mg/kg.

BC - Between Corners, DL - Detection Limit, NA - Maximum detected result is not available because all results reported for the parameter are non-detect.

VQ symbols indicate: "=" positive identification, positive quantitation, no reason to estimate, "U" non-detect, no reason to estimate,

"J" positive identification, estimated quantitation, "UJ" analyte was not detected and had QC deficiencies.

Table B-3-4. Soil Verification Data for Metals at Line 1 at the Time of the First Five-Year Review (mg/kg)

Exposure Unit	Excavation Area	Excavation No.	Station Name	Sample Name	Location	Beryllium			Cadmium			Chromium ^a		
						Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^b :						5	---	---	1,000	---	---	10,000	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^b :						---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^c:						2,300	---	---	980	---	---	630	---	---
<i>Eco CC^d</i> :						---	---	---	<i>77.4</i>	---	---	---	---	---
EU3	A	2	L1-E2-C001	IAAP112183	east wall BC 1 and 4	0.56	0.4	=	1.30	0.1	J	15.90	0.72	J
			L1-E2-C002	IAAP112184	south wall BC 1 and 2	0.74	0.4	=	1.10	0.1	J	22.20	0.72	J
			L1-E2-C003	IAAP112185	west wall BC 2 and 3	0.85	0.42	=	0.91	0.27	UJ	17.30	0.77	J
			L1-E2-C004	IAAP112186	north wall BC 3 and 4	0.72	0.39	=	1.30	0.099	J	21.60	0.71	J
			L1-E2-C005	IAAP112187	floor of EXC	0.76	0.42	=	0.55	0.11	UJ	15.50	0.76	J
			L1-E2-C006	IAAP112187-1	FD of IAAP112187	0.73	0.41	=	0.49	0.11	UJ	15.40	0.75	J
EU4	B & C	7 & 8	L1-E7-C001	IAAP112242	NW wall BC 1 and 2	0.47	0.4	=	2.70	0.1	=	13.20	0.72	=
			L1-E7-C002	IAAP112243	NE wall BC 1, 5, and 4	0.77	0.4	=	0.41	0.1	=	14.90	0.73	=
			L1-E7-C003	IAAP112244	SW wall BC 3 and 4	0.85	0.43	=	0.34	0.11	=	16.80	0.77	=
			L1-E7-C004	IAAP112245	SE wall BC 2 and 3	0.85	0.41	=	0.41	0.1	=	18.80	0.74	=
			L1-E7-C005	IAAP112246	floor of EXC	0.87	0.41	=	0.60	0.1	=	16.70	0.74	=
EU4	E	10	L1-E10-C001	IAAP112253	north wall BC 12, 13, and 1	1.20	0.74	=	3.10	0.19	=	59.20	1.4	J
			L1-E10-C002	IAAP112254	east wall BC 1 and 2	1.50	0.75	=	2.50	0.48	=	35.40	1.4	J
			L1-E10-C003	IAAP112255	south wall BC 6 and 7	0.76	0.75	=	5.10	0.19	=	87.20	1.4	J
			L1-E10-C004	IAAP112256	west wall BC 11 and 12	1.30	0.75	=	7.10	0.19	=	170.00	1.4	J
			L1-E14-C004	IAAP112257	floor of EXC	1.10	0.78	=	5.10	0.2	=	49.10	1.4	J
EU5	D	14	L1-E14-C001	IAAP112292	north wall BC 1 and 8	0.94	0.43	=	0.78	0.11	=	27.40	0.77	=
			L1-E14-C002	IAAP112293	east wall BC 1 and 2	0.98	0.43	=	0.29	0.27	=	21.10	0.78	=
			L1-E14-C004	IAAP112295	west wall BC 7 and 8	1.00	0.44	=	0.38	0.11	=	19.40	0.79	=
			L1-E14-C005	IAAP112296	floor of EXC	1.10	0.42	=	0.39	0.27	=	19.50	0.76	=
EU5	J	20	L1-E20-C001	IAAP112327	north wall BC 1 and 2	0.87	0.39	=	0.38	0.25	=	19.00	0.71	=
			L1-E20-C002	IAAP112328	east wall BC 2 and 3	0.88	0.39	=	0.26	0.25	=	20.10	0.7	=
			L1-E20-C005	IAAP112328-1	FD of IAAP112328	0.87	0.39	=	0.33	0.1	=	21.00	0.72	=
			L1-E20-C006	IAAP112330	floor of EXC	0.85	0.38	=	2.50	0.24	=	19.50	0.68	=
Maximum Reported Concentration (Detects and Non-Detects):						1.50	---	=	7.10	---	=	170.00	---	J
Maximum Detected Concentration:						1.50	---	=	7.10	---	=	170.00	---	J
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0):						0	---	---	0	---	---	0	---	---
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection):						---	---	---	---	---	---	---	---	---
Number of Sample Results Greater than USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0):						0	---	---	0	---	---	0	---	---
Number of Sample Results Greater than Eco CC:						---	---	---	0	---	---	---	---	---

^a The IAAAP OU-1 ROD RG and RSL (USEPA 2017) for industrial soil are presented for chromium as for hexavalent chromium.

^b Gray-shaded concentrations exceed the corresponding IAAAP OU-1 ROD RGs protective of an industrial worker ingesting soil (USACE 1998a).

^c Concentrations in **bold** exceed the corresponding RSLs (USEPA 2018a) protective of an industrial worker exposed to soil via ingestion, dermal contact, and dust inhalation.

^d Concentrations in *italics* exceed the corresponding Eco CCs calculated for the WBPS.

Notes:

"---" Indicates that there is no comparison value available.

All results and comparison values are in mg/kg.

BC - Between Corners, DL - Detection Limit, NA - Maximum detected result is not available because all results reported for the parameter are non-detect.

VQ symbols indicate: "=" positive identification, positive quantitation, no reason to estimate, "U" non-detect, no reason to estimate,

"J" positive identification, estimated quantitation, "UJ" analyte was not detected and had QC deficiencies.

Table B-3-4. Soil Verification Data for Metals at Line 1 at the Time of the First Five-Year Review (mg/kg)

Exposure Unit	Excavation Area	Excavation No.	Station Name	Sample Name	Location	Cobalt			Copper			Lead		
						Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^b :						---	---	---	---	---	---	1,000	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^b :						---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^c:						350	---	---	47,000	---	---	800	---	---
<i>Eco CC^d</i> :						<i>743</i>	---	---	<i>2,445</i>	---	---	<i>11,706</i>	---	---
EU3	A	2	L1-E2-C001	IAAP112183	east wall BC 1 and 4	6.90	0.69	=	32.30	0.94	=	96.30	0.4	J
			L1-E2-C002	IAAP112184	south wall BC 1 and 2	6.90	0.69	=	55.30	0.94	=	99.60	0.4	J
			L1-E2-C003	IAAP112185	west wall BC 2 and 3	13.70	0.74	=	25.10	1	=	38.20	1.1	J
			L1-E2-C004	IAAP112186	north wall BC 3 and 4	9.60	0.68	=	55.50	0.92	=	128.00	0.4	J
			L1-E2-C005	IAAP112187	floor of EXC	9.60	0.73	=	20.10	0.99	=	42.90	0.42	J
			L1-E2-C006	IAAP112187-1	FD of IAAP112187	9.90	0.73	=	18.50	0.98	=	54.30	0.42	J
EU4	B & C	7 & 8	L1-E7-C001	IAAP112242	NW wall BC 1 and 2	6.50	0.7	=	9.80	0.94	=	35.50	0.4	=
			L1-E7-C002	IAAP112243	NE wall BC 1, 5, and 4	10.60	0.7	=	15.90	0.95	=	19.30	0.41	=
			L1-E7-C003	IAAP112244	SW wall BC 3 and 4	8.60	0.74	=	16.20	1	=	18.50	0.43	=
			L1-E7-C004	IAAP112245	SE wall BC 2 and 3	8.90	0.71	=	17.70	0.96	=	39.50	0.41	=
			L1-E7-C005	IAAP112246	floor of EXC	15.00	0.71	=	18.60	0.96	=	18.30	0.41	=
EU4	E	10	L1-E10-C001	IAAP112253	north wall BC 12, 13, and 1	15.00	1.3	=	216.00	1.8	=	231.00	0.75	=
			L1-E10-C002	IAAP112254	east wall BC 1 and 2	17.40	1.3	=	74.90	1.8	=	122.00	1.9	=
			L1-E10-C003	IAAP112255	south wall BC 6 and 7	12.70	1.3	=	111.00	1.8	=	277.00	0.77	=
			L1-E10-C004	IAAP112256	west wall BC 11 and 12	23.20	1.3	=	142.00	1.8	=	735.00	0.76	=
			L1-E14-C004	IAAP112257	floor of EXC	18.90	1.4	=	245.00	1.8	=	238.00	0.79	=
EU5	D	14	L1-E14-C001	IAAP112292	north wall BC 1 and 8	14.70	0.74	=	26.00	1	=	120.00	0.43	J
			L1-E14-C002	IAAP112293	east wall BC 1 and 2	15.40	0.75	=	18.10	1	=	32.80	1.1	J
			L1-E14-C004	IAAP112295	west wall BC 7 and 8	10.00	0.76	=	20.80	1	=	36.10	0.44	J
			L1-E14-C005	IAAP112296	floor of EXC	10.20	0.73	=	27.60	0.99	=	40.60	1.1	J
EU5	J	20	L1-E20-C001	IAAP112327	north wall BC 1 and 2	12.40	0.69	=	16.60	0.93	=	19.70	1	J
			L1-E20-C002	IAAP112328	east wall BC 2 and 3	9.80	0.68	=	15.40	0.92	=	16.80	0.99	J
			L1-E20-C005	IAAP112328-1	FD of IAAP112328	7.40	0.69	=	15.60	0.93	=	19.30	0.4	J
			L1-E20-C006	IAAP112330	floor of EXC	9.40	0.66	=	17.30	0.89	=	21.90	0.95	J
Maximum Reported Concentration (Detects and Non-Detects):						23.20	---	=	245.00	---	=	735.00	---	=
Maximum Detected Concentration:						23.20	---	=	245.00	---	=	735.00	---	=
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0):						---	---	---	---	---	---	0	---	---
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection):						---	---	---	---	---	---	---	---	---
Number of Sample Results Greater than USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0):						0	---	---	0	---	---	0	---	---
Number of Sample Results Greater than Eco CC:						0	---	---	0	---	---	0	---	---

^a The IAAAP OU-1 ROD RG and RSL (USEPA 2017) for industrial soil are presented for chromium are for hexavalent chromium.

^b Gray-shaded concentrations exceed the corresponding IAAAP OU-1 ROD RGs protective of an industrial worker ingesting soil (USACE 1998a).

^c Concentrations in **bold** exceed the corresponding RSLs (USEPA 2018a) protective of an industrial worker exposed to soil via ingestion, dermal contact, and dust inhalation.

^d Concentrations in *italics* exceed the corresponding Eco CCs calculated for the WBPS.

Notes:

"---" Indicates that there is no comparison value available.

All results and comparison values are in mg/kg.

BC - Between Corners, DL - Detection Limit, NA - Maximum detected result is not available because all results reported for the parameter are non-detect.

VQ symbols indicate: "=" positive identification, positive quantitation, no reason to estimate, "U" non-detect, no reason to estimate,

"J" positive identification, estimated quantitation, "UJ" analyte was not detected and had QC deficiencies.

Table B-3-4. Soil Verification Data for Metals at Line 1 at the Time of the First Five-Year Review (mg/kg)

Exposure Unit	Excavation Area	Excavation No.	Station Name	Sample Name	Location	Manganese			Mercury			Nickel			
						Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^b :						---	---	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^b :						---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^c:						26,000	---	---	46	---	---	22,000	---	---	---
<i>Eco CC^d</i> :						<i>21,987</i>	---	---	<i>1.86</i>	---	---	<i>3,097</i>	---	---	---
EU3	A	2	L1-E2-C001	IAAP112183	east wall BC 1 and 4	724.00	0.36	J	0.06	0.013	=	16.10	0.53	=	
			L1-E2-C002	IAAP112184	south wall BC 1 and 2	593.00	0.36	J	0.14	0.013	=	18.00	0.53	=	
			L1-E2-C003	IAAP112185	west wall BC 2 and 3	909.00	0.96	J	0.10	0.014	=	17.80	0.56	=	
			L1-E2-C004	IAAP112186	north wall BC 3 and 4	629.00	0.36	J	0.12	0.013	=	18.00	0.52	=	
			L1-E2-C005	IAAP112187	floor of EXC	1,190.00	0.38	J				19.10	0.56	=	
			L1-E2-C006	IAAP112187-1	FD of IAAP112187	1,160.00	0.38	J	0.06	0.014	=	17.20	0.55	=	
EU4	B & C	7 & 8	L1-E7-C001	IAAP112242	NW wall BC 1 and 2	520.00	0.36	=	0.03	0.014	=	12.40	0.53	=	
			L1-E7-C002	IAAP112243	NE wall BC 1, 5, and 4	1,570.00	0.37	=	0.06	0.014	=	31.70	0.53	=	
			L1-E7-C003	IAAP112244	SW wall BC 3 and 4	540.00	0.39	=	0.06	0.014	=	19.50	0.57	=	
			L1-E7-C004	IAAP112245	SE wall BC 2 and 3	535.00	0.37	=	0.05	0.014	=	19.00	0.54	=	
			L1-E7-C005	IAAP112246	floor of EXC	1,220.00	0.37	=	0.03	0.014	=	35.20	0.54	=	
EU4	E	10	L1-E10-C001	IAAP112253	north wall BC 12, 13, and 1	1,070.00	0.68	=	0.09	0.013	=	38.80	0.99	=	
			L1-E10-C002	IAAP112254	east wall BC 1 and 2	1,080.00	0.68	=	0.04	0.013	=	43.10	1	=	
			L1-E10-C003	IAAP112255	south wall BC 6 and 7	1,100.00	0.69	=	0.11	0.013	=	39.00	1	=	
			L1-E10-C004	IAAP112256	west wall BC 11 and 12	1,470.00	0.68	=	0.29	0.013	=	44.60	1	=	
			L1-E14-C004	IAAP112257	floor of EXC	1,670.00	0.71	=	0.22	0.013	=	44.60	1	=	
EU5	D	14	L1-E14-C001	IAAP112292	north wall BC 1 and 8	1,130.00	0.39	J	0.06	0.014	=	31.90	0.57	=	
			L1-E14-C002	IAAP112293	east wall BC 1 and 2	1,390.00	0.39	J	0.06	0.015	=	22.50	0.57	=	
			L1-E14-C004	IAAP112295	west wall BC 7 and 8	646.00	0.4	J	0.04	0.015	=	22.20	0.58	=	
			L1-E14-C005	IAAP112296	floor of EXC	766.00	0.38	J	0.06	0.014	=	24.90	0.55	=	
EU5	J	20	L1-E20-C001	IAAP112327	north wall BC 1 and 2	798.00	0.36	J	0.05	0.013	=	24.70	0.52	=	
			L1-E20-C002	IAAP112328	east wall BC 2 and 3	715.00	0.35	J	0.05	0.013	=	23.50	0.52	=	
			L1-E20-C005	IAAP112328-1	FD of IAAP112328	447.00	0.36	J	0.04	0.013	=	17.20	0.52	=	
			L1-E20-C006	IAAP112330	floor of EXC	567.00	0.34	J	0.05	0.013	=	20.00	0.5	=	
Maximum Reported Concentration (Detects and Non-Detects):						1,670.00	---	=	0.29	---	=	44.60	---	=	
Maximum Detected Concentration:						1,670.00	---	=	0.29	---	=	44.60	---	=	
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0):						---	---	---	---	---	---	---	---	---	
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection):						---	---	---	---	---	---	---	---	---	
Number of Sample Results Greater than USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0):						0	---	---	0	---	---	0	---	---	
Number of Sample Results Greater than Eco CC:						0	---	---	0	---	---	0	---	---	

^a The IAAAP OU-1 ROD RG and RSL (USEPA 2017) for industrial soil are presented for chromium are for hexavalent chromium.

^b Gray-shaded concentrations exceed the corresponding IAAAP OU-1 ROD RGs protective of an industrial worker ingesting soil (USACE 1998a).

^c Concentrations in **bold** exceed the corresponding RSLs (USEPA 2018a) protective of an industrial worker exposed to soil via ingestion, dermal contact, and dust inhalation.

^d Concentrations in *italics* exceed the corresponding Eco CCs calculated for the WBPS.

Notes:

"---" Indicates that there is no comparison value available.

All results and comparison values are in mg/kg.

BC - Between Corners, DL - Detection Limit, NA - Maximum detected result is not available because all results reported for the parameter are non-detect.

VQ symbols indicate: "=" positive identification, positive quantitation, no reason to estimate, "U" non-detect, no reason to estimate,

"J" positive identification, estimated quantitation, "UJ" analyte was not detected and had QC deficiencies.

Table B-3-4. Soil Verification Data for Metals at Line 1 at the Time of the First Five-Year Review (mg/kg)

Exposure Unit	Excavation Area	Excavation No.	Station Name	Sample Name	Location	Selenium			Silver			Thallium		
						Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^b :						---	---	---	---	---	---	143	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^b :						---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^c:						5,800	---	---	5,800	---	---	23	---	---
<i>Eco CC^d:</i>						<i>1.61</i>	---	---	<i>91.7</i>	---	---	<i>19.1</i>	---	---
EU3	A	2	L1-E2-C001	IAAP112183	east wall BC 1 and 4	0.68	0.68	U	0.85	0.85	U	0.67	0.67	U
			L1-E2-C002	IAAP112184	south wall BC 1 and 2	0.74	0.68	=	0.85	0.85	U	0.67	0.67	U
			L1-E2-C003	IAAP112185	west wall BC 2 and 3	<i>1.80</i>	1.8	U	0.91	0.91	U	1.80	1.8	U
			L1-E2-C004	IAAP112186	north wall BC 3 and 4	0.67	0.67	U	0.84	0.84	U	0.66	0.66	U
			L1-E2-C005	IAAP112187	floor of EXC	0.77	0.71	=	0.90	0.9	U	1.80	1.8	U
			L1-E2-C006	IAAP112187-1	FD of IAAP112187	0.71	0.71	U	0.89	0.89	U	1.80	1.8	U
EU4	B & C	7 & 8	L1-E7-C001	IAAP112242	NW wall BC 1 and 2	0.68	0.68	U	0.86	0.86	U	0.67	0.67	U
			L1-E7-C002	IAAP112243	NE wall BC 1, 5, and 4	0.69	0.69	U	0.86	0.86	U	1.70	1.7	U
			L1-E7-C003	IAAP112244	SW wall BC 3 and 4	0.73	0.73	U	0.92	0.92	U	0.72	0.72	U
			L1-E7-C004	IAAP112245	SE wall BC 2 and 3	0.69	0.69	U	0.87	0.87	U	0.68	0.68	U
			L1-E7-C005	IAAP112246	floor of EXC	0.70	0.7	U	0.88	0.88	U	1.70	1.7	U
EU4	E	10	L1-E10-C001	IAAP112253	north wall BC 12, 13, and 1	1.30	1.3	U	1.60	1.6	U	3.10	3.1	U
			L1-E10-C002	IAAP112254	east wall BC 1 and 2	<i>3.20</i>	3.2	U	1.60	1.6	U	3.20	3.2	U
			L1-E10-C003	IAAP112255	south wall BC 6 and 7	1.30	1.3	U	1.60	1.6	U	1.30	1.3	U
			L1-E10-C004	IAAP112256	west wall BC 11 and 12	1.30	1.3	U	4.00	1.6	=	3.20	3.2	U
			L1-E14-C004	IAAP112257	floor of EXC	1.30	1.3	U	2.30	1.7	=	1.30	1.3	U
EU5	D	14	L1-E14-C001	IAAP112292	north wall BC 1 and 8	0.73	0.73	U	0.92	0.92	U	1.80	1.8	U
			L1-E14-C002	IAAP112293	east wall BC 1 and 2	<i>1.80</i>	1.8	U	0.92	0.92	U	1.80	1.8	U
			L1-E14-C004	IAAP112295	west wall BC 7 and 8	0.74	0.74	U	0.94	0.94	U	1.80	1.8	U
			L1-E14-C005	IAAP112296	floor of EXC	<i>1.80</i>	1.8	U	0.90	0.9	U	1.80	1.8	U
EU5	J	20	L1-E20-C001	IAAP112327	north wall BC 1 and 2	<i>1.70</i>	1.7	U	0.84	0.84	U	1.70	1.7	U
			L1-E20-C002	IAAP112328	east wall BC 2 and 3	<i>1.70</i>	1.7	U	0.84	0.84	U	1.60	1.6	U
			L1-E20-C005	IAAP112328-1	FD of IAAP112328	0.67	0.67	U	0.85	0.85	U	0.66	0.66	U
			L1-E20-C006	IAAP112330	floor of EXC	1.60	1.6	U	0.81	0.81	U	1.60	1.6	U
Maximum Reported Concentration (Detects and Non-Detects):						3.20	---	U	4.00	---	=	3.20	---	U
Maximum Detected Concentration:						3.20	---	U	4.00	---	=	3.20	---	U
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0):						---	---	---	---	---	---	0	---	---
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection):						---	---	---	---	---	---	---	---	---
Number of Sample Results Greater than USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0):						0	---	---	0	---	---	0	---	---
Number of Sample Results Greater than Eco CC:						6	---	---	0	---	---	0	---	---

^a The IAAAP OU-1 ROD RG and RSL (USEPA 2017) for industrial soil are presented for chromium are for hexavalent chromium.

^b Gray-shaded concentrations exceed the corresponding IAAAP OU-1 ROD RGs protective of an industrial worker ingesting soil (USACE 1998a).

^c Concentrations in **bold** exceed the corresponding RSLs (USEPA 2018a) protective of an industrial worker exposed to soil via ingestion, dermal contact, and dust inhalation.

^d Concentrations in *italics* exceed the corresponding Eco CCs calculated for the WBPS.

Notes:

"---" Indicates that there is no comparison value available.

All results and comparison values are in mg/kg.

BC - Between Corners, DL - Detection Limit, NA - Maximum detected result is not available because all results reported for the parameter are non-detect.

VQ symbols indicate: "=" positive identification, positive quantitation, no reason to estimate, "U" non-detect, no reason to estimate,

"J" positive identification, estimated quantitation, "UJ" analyte was not detected and had QC deficiencies.

Table B-3-4. Soil Verification Data for Metals at Line 1 at the Time of the First Five-Year Review (mg/kg)

Exposure Unit	Excavation Area	Excavation No.	Station Name	Sample Name	Location	Vanadium		
						Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^b :						---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^b :						---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^c:						5,800	---	---
<i>Eco CC^d:</i>						<i>1,774</i>	---	---
EU3	A	2	L1-E2-C001	IAAP112183	east wall BC 1 and 4	21.40	0.81	=
			L1-E2-C002	IAAP112184	south wall BC 1 and 2	28.30	0.81	=
			L1-E2-C003	IAAP112185	west wall BC 2 and 3	37.50	0.86	=
			L1-E2-C004	IAAP112186	north wall BC 3 and 4	27.70	0.8	=
			L1-E2-C005	IAAP112187	floor of EXC	32.60	0.85	=
			L1-E2-C006	IAAP112187-1	FD of IAAP112187	31.00	0.85	=
EU4	B & C	7 & 8	L1-E7-C001	IAAP112242	NW wall BC 1 and 2	24.10	0.81	=
			L1-E7-C002	IAAP112243	NE wall BC 1, 5, and 4	28.20	0.82	=
			L1-E7-C003	IAAP112244	SW wall BC 3 and 4	30.70	0.87	=
			L1-E7-C004	IAAP112245	SE wall BC 2 and 3	33.50	0.83	=
			L1-E7-C005	IAAP112246	floor of EXC	34.40	0.83	=
EU4	E	10	L1-E10-C001	IAAP112253	north wall BC 12, 13, and 1	47.30	1.5	=
			L1-E10-C002	IAAP112254	east wall BC 1 and 2	56.00	1.5	=
			L1-E10-C003	IAAP112255	south wall BC 6 and 7	29.60	1.5	=
			L1-E10-C004	IAAP112256	west wall BC 11 and 12	49.30	1.5	=
			L1-E14-C004	IAAP112257	floor of EXC	39.80	1.6	=
EU5	D	14	L1-E14-C001	IAAP112292	north wall BC 1 and 8	39.20	0.87	=
			L1-E14-C002	IAAP112293	east wall BC 1 and 2	42.30	0.87	=
			L1-E14-C004	IAAP112295	west wall BC 7 and 8	39.60	0.89	=
			L1-E14-C005	IAAP112296	floor of EXC	45.60	0.85	=
EU5	J	20	L1-E20-C001	IAAP112327	north wall BC 1 and 2	35.00	0.8	=
			L1-E20-C002	IAAP112328	east wall BC 2 and 3	33.80	0.79	=
			L1-E20-C005	IAAP112328-1	FD of IAAP112328	35.60	0.8	=
			L1-E20-C006	IAAP112330	floor of EXC	34.90	0.77	=
Maximum Reported Concentration (Detects and Non-Detects):						56.00	---	=
Maximum Detected Concentration:						56.00	---	=
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0):						---	---	---
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection):						---	---	---
Number of Sample Results Greater than USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0):						0	---	---
Number of Sample Results Greater than Eco CC:						0	---	---

^a The IAAAP OU-1 ROD RG and RSL (USEPA 2017) for industrial soil are presented for chromium are for hexavalent chromium.

^b Gray-shaded concentrations exceed the corresponding IAAAP OU-1 ROD RGs protective of an industrial worker ingesting soil (USACE 1998a).

^c Concentrations in **bold** exceed the corresponding RSLs (USEPA 2018a) protective of an industrial worker exposed to soil via ingestion, dermal contact, and dust inhalation.

^d Concentrations in *italics* exceed the corresponding Eco CCs calculated for the WBPS.

Notes:

"---" Indicates that there is no comparison value available.

All results and comparison values are in mg/kg.

BC - Between Corners, DL - Detection Limit, NA - Maximum detected result is not available because all results reported for the parameter are non-detect.

VQ symbols indicate: "=" positive identification, positive quantitation, no reason to estimate, "U" non-detect, no reason to estimate,

"J" positive identification, estimated quantitation, "UJ" analyte was not detected and had QC deficiencies.

ATTACHMENT B-4
WBPS CHARACTERIZATION DATA
(On the CD-ROM on the Back Cover of this Report)

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Table B-4-1. FUSRAP Post-Excavation Soil Characterization Data Remaining for Explosives at the West Burn Pads South of the Road at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	1,3,5-TNB			1,3-DNB			2,4,6-TNT			2,4-DNT			HMX			RDX		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							102	---	---	---	---	---	196	---	---	8.7	---	---	51000	---	---	53	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	47.6	---	---	---	---	---	---	---	1.3	---	---	
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^b :							32,000	---	---	82	---	---	9,600	---	---	740	---	---	57,000	---	---	3,800	---	---
<i>Eco CC^c</i> :							---	---	---	2.29	---	---	26.2	---	---	---	---	---	112	---	---	189	---	---
IAAP101777	IAAP101777	693744.6	91817.31	04/24/07	0	0.5	0.29	0.29	U			0.29	0.29	U	0.29	0.29	U	0.38	0.29	=	0.29	0.29	U	
IAAP101777	IAAP101778	693744.6	91817.31	04/24/07	1	2	0.27	0.27	U			0.27	0.27	U	0.27	0.27	U	0.47	0.27	=	0.27	0.27	U	
IAAP101779	IAAP101779	693749.85	91804.71	04/26/07	0	0.5	0.32	0.32	U			0.32	0.32	U	0.32	0.32	U	0.32	0.32	U	0.32	0.32	U	
IAAP101779	IAAP101780	693749.85	91804.71	04/26/07	1	2	0.31	0.31	U			0.31	0.31	U	0.31	0.31	U	0.31	0.31	U	0.31	0.31	U	
IAAP101783	IAAP101783	693783.79	91811.01	04/27/07	0	0.5	0.33	0.33	U			0.33	0.33	U	0.33	0.33	U	0.33	0.33	U	0.33	0.33	U	
IAAP101783	IAAP101784	693783.79	91811.01	04/27/07	1	1.5	0.31	0.31	U			0.31	0.31	U	0.31	0.31	U	0.31	0.31	U	0.31	0.31	U	
IAAP101785	IAAP101785	693791.14	91840.4	04/24/07	0	0.5	0.31	0.31	U			0.31	0.31	U	0.31	0.31	U	0.31	0.31	U	0.31	0.31	U	
IAAP101785	IAAP101786	693791.14	91840.4	04/24/07	2.2	2.9	0.31	0.31	U			0.31	0.31	U	0.31	0.31	U	0.31	0.31	U	0.31	0.31	U	
IAAP101787	IAAP101787	693803.39	91834.8	04/27/07	0	0.5	0.31	0.31	U			0.31	0.31	U	0.31	0.31	U	0.31	0.31	U	0.31	0.31	U	
IAAP101787	IAAP101788	693803.39	91834.8	04/27/07	1	1.5	0.32	0.32	U			0.32	0.32	U	0.32	0.32	U	0.32	0.32	U	0.32	0.32	U	
IAAP101789	IAAP101789	693808.99	91818.36	04/26/07	0	0.5	0.29	0.29	U			0.29	0.29	U	0.29	0.29	U	0.29	0.29	U	0.29	0.29	U	
IAAP101789	IAAP101790	693808.99	91818.36	04/26/07	1	1.5	0.32	0.32	U			0.32	0.32	U	0.32	0.32	U	0.32	0.32	U	0.32	0.32	U	
IAAP101791	IAAP101791	693802.34	91811.36	04/26/07	0	0.5	0.38	0.38	U			0.38	0.38	U	0.38	0.38	U	0.38	0.38	U	0.38	0.38	U	
IAAP101791	IAAP101791-1	693802.34	91811.36	04/26/07	0	0.5	0.34	0.34	U			0.34	0.34	U	0.34	0.34	U	0.34	0.34	U	0.34	0.34	U	
IAAP101791	IAAP101792	693802.34	91811.36	04/26/07	1	1.5	0.31	0.31	U			0.31	0.31	U	0.31	0.31	U	0.31	0.31	U	0.31	0.31	U	
IAAP101793	IAAP101793	693848.53	91834.8	04/26/07	0	0.5	0.36	0.36	U			0.36	0.36	U	0.36	0.36	U	0.36	0.36	U	0.36	0.36	U	
IAAP101793	IAAP101794	693848.53	91834.8	04/26/07	1	2	0.32	0.32	U			0.32	0.32	U	0.32	0.32	U	0.32	0.32	U	0.32	0.32	U	
IAAP101795	IAAP101795	693868.83	91815.91	04/26/07	0	0.5	0.34	0.34	U			0.34	0.34	U	0.34	0.34	U	0.34	0.34	U	0.34	0.34	U	
IAAP101795	IAAP101796	693868.83	91815.91	04/26/07	1	1.5	0.33	0.33	U			0.33	0.33	U	0.33	0.33	U	0.33	0.33	U	0.33	0.33	U	
IAAP101807	IAAP101807	693875.32	91851.58	04/25/07	0	0.5	0.36	0.36	U			0.36	0.36	U	0.36	0.36	U	0.36	0.36	U	0.36	0.36	U	
IAAP101807	IAAP101808	693875.32	91851.58	04/25/07	1	2	0.32	0.32	U			0.32	0.32	U	0.32	0.32	U	0.32	0.32	U	0.32	0.32	U	
IAAP101809	IAAP101809	693841.74	91807.88	04/26/07	0	0.5	0.34	0.34	U			0.34	0.34	U	0.34	0.34	U	0.34	0.34	U	0.34	0.34	U	
IAAP101809	IAAP101810	693841.74	91807.88	04/26/07	1	1.5	0.32	0.32	U			0.32	0.32	U	0.32	0.32	U	0.38	0.32	=	0.32	0.32	U	
IAAP101811	IAAP101811	693821.51	91779.37	04/26/07	0	0.5	0.33	0.33	U			0.33	0.33	U	0.33	0.33	U	0.33	0.33	U	0.33	0.33	U	
IAAP101811	IAAP101812	693821.51	91779.37	04/26/07	0.5	1	0.32	0.32	U			0.32	0.32	U	0.32	0.32	U	0.32	0.32	U	0.32	0.32	U	
IAAP101813	IAAP101813	693782.87	91772.01	04/26/07	0	0.5	0.34	0.34	U			0.34	0.34	U	0.34	0.34	U	0.34	0.34	U	0.34	0.34	U	
IAAP101813	IAAP101813-1	693782.87	91772.01	04/26/07	0	0.5	0.34	0.34	U			0.34	0.34	U	0.34	0.34	U	0.34	0.34	U	0.34	0.34	U	
IAAP101813	IAAP101814	693782.87	91772.01	04/26/07	1	1.5	0.32	0.32	U			0.32	0.32	U	0.32	0.32	U	0.32	0.32	U	0.32	0.32	U	
IAAP101815	IAAP101815	693753.89	91786.27	04/24/07	0	0.5	0.32	0.32	U			0.32	0.32	U	0.32	0.32	U	0.32	0.32	U	0.32	0.32	U	
IAAP101815	IAAP101816	693753.89	91786.27	04/24/07	0.5	2	0.31	0.31	U			0.31	0.31	U	0.31	0.31	U	0.31	0.31	U	0.31	0.31	U	
IAAP101817	IAAP101817	693729.97	91755.91	04/26/07	0	0.5	0.34	0.34	U			0.34	0.34	U	0.34	0.34	U	0.34	0.34	U	0.34	0.34	U	
IAAP101817	IAAP101818	693729.97	91755.91	04/26/07	1	1.5	0.32	0.32	U			0.32	0.32	U	0.32	0.32	U	0.32	0.32	U	0.32	0.32	U	
IAAP101819	IAAP101819	694010.45	91852.96	04/26/07	0	0.5	0.28	0.28	U			0.28	0.28	U	0.28	0.28	U	0.28	0.28	U	0.28	0.28	U	
IAAP101820	IAAP101820	694001.46	91821.27	04/26/07	0	0.5	0.34	0.34	U			0.34	0.34	U	0.34	0.34	U	0.34	0.34	U	0.34	0.34	U	
IAAP101821	IAAP101821	694047.69	91779	04/26/07	0	0.5	0.31	0.31	U			0.31	0.31	U	0.31	0.31	U	0.31	0.31	U	0.31	0.31	U	
IAAP101822	IAAP101822	693764.92	91848.54	06/01/07	0	0.5	0.29	0.29	U			0.29	0.29	U	0.29	0.29	U	0.29	0.29	U	0.29	0.29	U	
IAAP101822	IAAP101823	693764.92	91848.54	06/01/07	1	2	0.31	0.31	U			0.31	0.31	U	0.31	0.31	U	0.95	0.31	=	0.31	0.31	U	
IAAP101824	IAAP101824	693748.14	91836.69	06/01/07	0	0.5	0.27	0.27	U			0.27	0.27	U	0.27	0.27	U	0.27	0.27	U	0.27	0.27	U	

Table B-4-1. FUSRAP Post-Excavation Soil Characterization Data Remaining for Explosives at the West Burn Pads South of the Road at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	1,3,5-TNB			1,3-DNB			2,4,6-TNT			2,4-DNT			HMX			RDX		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							102	---	---	---	---	---	196	---	---	8.7	---	---	51000	---	---	53	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	47.6	---	---	---	---	---	---	---	1.3	---	---	
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:							32,000	---	---	82	---	---	9,600	---	---	740	---	---	57,000	---	---	3,800	---	---
<i>Eco CC^c:</i>							---	---	---	2.29	---	---	26.2	---	---	---	---	---	112	---	---	189	---	---
IAAP101824	IAAP101825	693748.14	91836.69	06/01/07	1	2	0.31	0.31	U			0.31	0.31	U	0.31	0.31	U	0.31	0.31	U	0.31	0.31	U	
IAAP101826	IAAP101826	693750.77	91824.19	06/01/07	0	0.5	0.30	0.3	U			0.30	0.3	U	0.30	0.3	U	0.30	0.3	U	0.30	0.3	U	
IAAP101826	IAAP101827	693750.77	91824.19	06/01/07	1	2	0.30	0.3	U			0.30	0.3	U	0.30	0.3	U	0.40	0.3	=	0.30	0.3	U	
IAAP101828	IAAP101828	693768.21	91820.57	06/01/07	0	0.5	0.31	0.31	U			0.31	0.31	U	0.31	0.31	U	0.67	0.31	=	0.82	0.31	=	
IAAP101828	IAAP101829	693768.21	91820.57	06/01/07	1	2	0.30	0.3	U			0.30	0.3	U	0.30	0.3	U	0.30	0.3	U	0.30	0.3	U	
IAAP101830	IAAP101830	693762.29	91806.74	06/04/07	0	0.5	0.02	0.018	U			0.07	0.066	U	0.04	0.04	U	0.04	0.037	U	0.04	0.041	U	
IAAP101830	IAAP101831	693762.29	91806.74	06/04/07	1	2	0.02	0.017	U			0.06	0.063	U	0.04	0.038	U	0.04	0.035	U	0.04	0.039	U	
IAAP101832	IAAP101832	693777.76	91838.34	06/04/07	0	0.5	0.02	0.018	U			0.07	0.065	U	0.04	0.039	U	0.04	0.036	=	0.02	0.04	=	
IAAP101832	IAAP101833	693777.76	91838.34	06/04/07	2	3	0.02	0.016	U			0.06	0.058	U	0.04	0.035	U	0.04	0.032	=	0.02	0.035	=	
IAAP101834	IAAP101834	693785.33	91825.17	06/04/07	0	0.5	0.02	0.016	U			0.06	0.058	U	0.04	0.035	U	0.03	0.032	U	0.04	0.036	U	
IAAP101834	IAAP101835	693785.33	91825.17	06/04/07	2	3	0.02	0.017	U			0.06	0.061	U	0.04	0.037	U	0.03	0.034	U	0.04	0.038	U	
IAAP101836	IAAP101836	693796.19	91817.6	06/04/07	0	0.5	0.02	0.018	U			0.07	0.066	U	0.04	0.04	U	0.04	0.037	U	0.04	0.04	U	
IAAP101836	IAAP101837	693796.19	91817.6	06/04/07	1	2	0.02	0.017	U			0.06	0.061	U	0.04	0.037	U	0.03	0.034	U	0.04	0.037	U	
IAAP101840	IAAP101840	693915	91826.16	06/04/07	0	0.5	0.31	0.31	U			0.49	0.31	=	0.31	0.31	U	0.89	0.31	=	0.31	0.31	U	
IAAP101840	IAAP101841	693915	91826.16	06/04/07	1	2	0.29	0.29	U			0.29	0.29	U	0.29	0.29	U	1.50	0.29	=	0.29	0.29	U	
IAAP101842	IAAP101842	693920.59	91819.25	06/04/07	0	0.5	0.35	0.35	U			0.68	0.35	J	0.35	0.35	U	2.40	0.35	=	1.30	0.35	=	
IAAP101842	IAAP101843	693920.59	91819.25	06/04/07	1	2	0.31	0.31	U			2.60	0.31	=	0.31	0.31	U	19.00	0.31	=	0.31	0.31	U	
IAAP101846	IAAP101846	693914.01	91856.11	06/04/07	0	0.5	0.30	0.3	U			0.30	0.3	U	0.30	0.3	U	0.30	0.3	U	0.30	0.3	U	
IAAP101846	IAAP101847	693914.01	91856.11	06/04/07	1	2	0.31	0.31	U			0.31	0.31	U	0.31	0.31	U	0.31	0.31	U	0.31	0.31	U	
IAAP101856	IAAP101856	693968.32	91863.68	06/04/07	0	0.5	0.02	0.015	U			0.05	0.054	U	0.03	0.032	U	0.03	0.03	U	0.03	0.033	U	
IAAP101856	IAAP101857	693968.32	91863.68	06/04/07	1	2	0.02	0.015	U			0.06	0.056	U	0.03	0.034	U	0.03	0.031	U	0.03	0.034	U	
IAAP106663	IAAP106663	693797.7	91822.4	11/29/07	0	1	0.31	0.31	U			0.31	0.31	U	0.31	0.31	U	0.31	0.31	U	0.31	0.31	U	
IAAP106663	IAAP106664	693797.7	91822.4	11/29/07	1	2	0.30	0.3	U			0.30	0.3	U	0.30	0.3	U	0.30	0.3	U	0.30	0.3	U	
IAAP106663	IAAP106665	693797.7	91822.4	11/29/07	2	3	0.30	0.3	U			0.30	0.3	U	0.30	0.3	U	0.30	0.3	U	0.30	0.3	U	
IAAP106663	IAAP106666	693797.7	91822.4	11/29/07	3	4	0.31	0.31	U			0.31	0.31	U	0.31	0.31	U	0.31	0.31	U	0.31	0.31	U	
IAAP111756	IAAP111756	693803.96	91824.07	09/17/08	0	1	0.32	0.32	U	0.32	0.32	U	0.32	0.32	U	0.32	0.32	U	0.32	0.32	U	0.32	0.32	U
IAAP111756	IAAP111757	693803.96	91824.07	09/17/08	1	2	0.32	0.32	U	0.32	0.32	U	0.32	0.32	U	0.32	0.32	U	0.32	0.32	U	0.32	0.32	U
IAAP111756	IAAP111758	693803.96	91824.07	09/17/08	2	3	0.34	0.34	U	0.34	0.34	U	0.34	0.34	U	0.34	0.34	U	0.34	0.34	U	0.34	0.34	U
IAAP111756	IAAP111759	693803.96	91824.07	09/17/08	3	4	0.33	0.33	U	0.33	0.33	U	0.33	0.33	U	0.33	0.33	U	0.33	0.33	U	0.33	0.33	U
IAAP116175	IAAP116175	693749.2	91825.4	04/02/09	0	1	0.30	0.3	U	0.30	0.3	U	0.30	0.3	U	0.30	0.3	U	0.30	0.3	U	0.30	0.3	U
IAAP116175	IAAP116176	693749.2	91825.4	04/02/09	1	2	0.31	0.31	U	0.31	0.31	U	0.31	0.31	U	0.31	0.31	U	0.31	0.31	U	0.31	0.31	U
IAAP116175	IAAP116177	693749.2	91825.4	04/02/09	2	3	0.32	0.32	U	0.32	0.32	U	0.32	0.32	U	0.32	0.32	U	0.84	0.32	J	0.32	0.32	U
IAAP116175	IAAP116178	693749.2	91825.4	04/02/09	3	4	0.32	0.32	U	0.32	0.32	U	0.32	0.32	U	0.32	0.32	U	0.69	0.32	J	0.32	0.32	U
IAAP116175	IAAP116179	693749.2	91825.4	04/02/09	4	6	0.32	0.32	U	0.32	0.32	U	0.32	0.32	U	0.32	0.32	U	1.00	0.32	J	0.32	0.32	U
IAAP116184	IAAP116184	693744.4	91829.6	04/02/09	0	1	0.28	0.28	U	0.28	0.28	U	0.28	0.28	U	0.28	0.28	U	0.28	0.28	U	0.28	0.28	U
IAAP116184	IAAP116184-1	693744.4	91829.6	04/02/09	0	1	0.28	0.28	U	0.28	0.28	U	0.28	0.28	U	0.28	0.28	U	0.28	0.28	U	0.28	0.28	U
IAAP116184	IAAP116185	693744.4	91829.6	04/02/09	1	2	0.30	0.3	U	0.30	0.3	U	0.30	0.3	U	0.30	0.3	U	0.30	0.3	U	0.30	0.3	U
IAAP116184	IAAP116186	693744.4	91829.6	04/02/09	2	3	0.33	0.33	U	0.33	0.33	U	0.33	0.33	U	0.33	0.33	U	0.33	0.33	U	0.33	0.33	U

Table B-4-1. FUSRAP Post-Excavation Soil Characterization Data Remaining for Explosives at the West Burn Pads South of the Road at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	1,3,5-TNB			1,3-DNB			2,4,6-TNT			2,4-DNT			HMX			RDX		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							102	---	---	---	---	---	196	---	---	8.7	---	---	51000	---	---	53	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	47.6	---	---	---	---	---	---	---	1.3	---	---	
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:							32,000	---	---	82	---	---	9,600	---	---	740	---	---	57,000	---	---	3,800	---	---
<i>Eco CC^c:</i>							---	---	---	2.29	---	---	26.2	---	---	---	---	---	112	---	---	189	---	---
IAAP116184	IAAP116187	693744.4	91829.6	04/02/09	3	4	0.32	0.32	U	0.32	0.32	U	0.32	0.32	U	0.32	0.32	U	0.32	0.32	U	0.32	0.32	U
IAAP116184	IAAP116188	693744.4	91829.6	04/02/09	4	5	0.32	0.32	U	0.32	0.32	U	0.32	0.32	U	0.32	0.32	U	0.32	0.32	U	0.32	0.32	U
IAAP116194	IAAP116194	693911.4	91825.4	04/02/09	0	1	0.32	0.32	U	0.32	0.32	U	0.32	0.32	U	0.32	0.32	U	0.32	0.32	U	0.32	0.32	U
IAAP116194	IAAP116195	693911.4	91825.4	04/02/09	1	2	0.33	0.33	U	0.33	0.33	U	0.33	0.33	U	0.33	0.33	U	0.33	0.33	U	0.33	0.33	U
IAAP116194	IAAP116196	693911.4	91825.4	04/02/09	2	2.5	0.35	0.35	U	0.35	0.35	U	0.35	0.35	U	0.35	0.35	U	0.71	0.35	J	0.35	0.35	U
IAAP116307	IAAP116307	693749.66	91816.36	04/22/09	0	1	0.31	0.31	U	0.31	0.31	UJ	0.31	0.31	UJ	0.31	0.31	U	0.66	0.31	J	0.31	0.31	U
IAAP116307	IAAP116308	693749.66	91816.36	04/22/09	1	2	0.31	0.31	U	0.31	0.31	UJ	0.31	0.31	UJ	0.31	0.31	U	0.41	0.31	J	0.31	0.31	U
IAAP116307	IAAP116309	693749.66	91816.36	04/22/09	2	3	0.32	0.32	U	0.32	0.32	UJ	0.32	0.32	UJ	0.32	0.32	U	0.32	0.32	U	0.32	0.32	U
IAAP116307	IAAP116310	693749.66	91816.36	04/22/09	3	4	0.31	0.31	U	0.31	0.31	UJ	0.31	0.31	UJ	0.31	0.31	U	0.31	0.31	U	0.31	0.31	U
IAAP116307	IAAP116311	693749.66	91816.36	04/22/09	4	5	0.30	0.3	U	0.30	0.3	UJ	0.30	0.3	UJ	0.30	0.3	U	0.39	0.3	J	0.30	0.3	U
IAAP116312	IAAP116312	693744.92	91820.6	04/22/09	0	1	0.30	0.3	U	0.30	0.3	UJ	0.30	0.3	UJ	0.30	0.3	U	0.30	0.3	U	0.30	0.3	U
IAAP116312	IAAP116313	693744.92	91820.6	04/22/09	1	2	0.29	0.29	U	0.29	0.29	UJ	0.29	0.29	UJ	0.29	0.29	U	0.29	0.29	U	0.29	0.29	U
IAAP116312	IAAP116314	693744.92	91820.6	04/22/09	2	3	0.33	0.33	U	0.33	0.33	UJ	0.33	0.33	UJ	0.33	0.33	U	0.39	0.33	J	0.33	0.33	U
IAAP116312	IAAP116315	693744.92	91820.6	04/22/09	3	4	0.32	0.32	U	0.32	0.32	UJ	0.32	0.32	UJ	0.32	0.32	U	0.34	0.32	J	0.32	0.32	U
IAAP116312	IAAP116316	693744.92	91820.6	04/22/09	4	5	0.32	0.32	U	0.32	0.32	UJ	0.32	0.32	UJ	0.32	0.32	U	0.50	0.32	J	0.32	0.32	U
IAAP116322	IAAP116322	693916.16	91821.14	04/22/09	0	1	0.31	0.31	U	0.31	0.31	U	0.31	0.31	UJ	0.31	0.31	UJ	0.31	0.31	UJ	0.31	0.31	UJ
IAAP116322	IAAP116322-1	693916.16	91821.14	04/22/09	0	1	0.32	0.32	U	0.32	0.32	U	0.32	0.32	UJ	0.32	0.32	UJ	0.32	0.32	UJ	0.32	0.32	UJ
IAAP116322	IAAP116323	693916.16	91821.14	04/22/09	1	2	0.32	0.32	U	0.32	0.32	U	0.32	0.32	UJ	0.32	0.32	UJ	0.32	0.32	UJ	0.32	0.32	UJ
IAAP116322	IAAP116324	693916.16	91821.14	04/22/09	2	3	0.33	0.33	U	0.33	0.33	U	0.33	0.33	UJ	0.33	0.33	UJ	0.33	0.33	UJ	0.33	0.33	UJ
IAAP116322	IAAP116325	693916.16	91821.14	04/22/09	3	4	0.30	0.3	U	0.30	0.3	U	0.30	0.3	UJ	0.30	0.3	UJ	0.30	0.3	UJ	0.30	0.3	UJ
IAAP116326	IAAP116326	693906.67	91829.63	04/22/09	0	1	0.32	0.32	U	0.32	0.32	U	0.32	0.32	UJ	0.32	0.32	UJ	0.32	0.32	UJ	0.32	0.32	UJ
IAAP116326	IAAP116327	693906.67	91829.63	04/22/09	1	2	0.31	0.31	U	0.31	0.31	U	0.31	0.31	UJ	0.31	0.31	UJ	0.31	0.31	UJ	0.31	0.31	UJ
IAAP116326	IAAP116328	693906.67	91829.63	04/22/09	2	3	0.30	0.3	U	0.30	0.3	U	0.30	0.3	UJ	0.30	0.3	UJ	0.30	0.3	UJ	0.30	0.3	UJ
IAAP116326	IAAP116753	693906.67	91829.63	04/22/09	3	4	0.32	0.32	U	0.32	0.32	U	0.32	0.32	UJ	0.32	0.32	UJ	0.32	0.32	UJ	0.32	0.32	UJ

Table B-4-1. FUSRAP Post-Excavation Soil Characterization Data Remaining for Explosives at the West Burn Pads South of the Road at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	1,3,5-TNB			1,3-DNB			2,4,6-TNT			2,4-DNT			HMX			RDX		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							102	---	---	---	---	---	196	---	---	8.7	---	---	51000	---	---	53	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	47.6	---	---	---	---	---	---	---	1.3	---	---	
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:							32,000	---	---	82	---	---	9,600	---	---	740	---	---	57,000	---	---	3,800	---	---
<i>Eco CC^c:</i>							---	---	---	2.29	---	---	26.2	---	---	---	---	---	112	---	---	189	---	---
IAAP116326	IAAP116753-1	693906.67	91829.63	04/22/09	3	4	0.31	0.31	U	0.31	0.31	U	0.31	0.31	UJ	0.31	0.31	UJ	0.31	0.31	UJ	0.31	0.31	UJ
IAAP116326	IAAP116754	693906.67	91829.63	04/22/09	4	5	0.31	0.31	U	0.31	0.31	U	0.31	0.31	UJ	0.31	0.31	UJ	0.31	0.31	UJ	0.31	0.31	UJ
IAAP116326	IAAP116755	693906.67	91829.63	04/22/09	5	6	0.28	0.28	U	0.28	0.28	U	0.28	0.28	UJ	0.28	0.28	UJ	0.28	0.28	UJ	0.28	0.28	UJ
Maximum Reported Concentration (Detects and Non-Detects):							0.38	---	U	0.35	---	U	2.60	---	=	0.38	---	U	19.00	---	=	1.30	---	=
Maximum Detected Concentration:							NA	---	---	NA	---	---	2.60	---	=	0.38	---	U	19.00	---	=	1.30	---	=
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0):							0	---	---	---	---	---	0	---	---	0	---	---	0	---	---	0	---	---
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection):							---	---	---	---	---	---	0	---	---	---	---	---	---	---	---	0	---	---
Number of Sample Results Greater than USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0):							0	---	---	0	---	---	0	---	---	0	---	---	0	---	---	0	---	---
Number of Sample Results Greater than Eco CC:							---	---	---	0	---	---	0	---	---	---	---	---	0	---	---	0	---	---

^a Gray-shaded concentrations exceed the corresponding IAAAP OU-1 ROD RGs protective of an industrial worker ingesting soil (Harza 1998).

^b Concentrations in **bold** exceed the corresponding RSLs (USEPA 2018a) protective of an industrial worker exposed to soil via ingestion, dermal contact, and dust inhalation.

^c Concentrations in *italics* exceed the corresponding Eco CCs calculated for the WBPS.

Notes:

"---" Indicates that there is no comparison value available.

All results and comparison values are in mg/kg.

NA - Maximum detected result is not available because all results reported for the parameter are non-detect.

VQ symbols indicate: "=" positive identification, positive quantitation, no reason to estimate, "U" non-detect, no reason to estimate, "J" positive identification, estimated quantitation, "UJ" analyte was not detected and had QC deficiencies.

Table B-4-2. FUSRAP Post-Excavation Soil Characterization Data Remaining for Semivolatile Organic Compounds at the West Burn Pads South of the Road at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	1,2,4-Trichlorobenzene			1,2-Dichlorobenzene			1,3-Dichlorobenzene			1,4-Dichlorobenzene		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							---	---	---	---	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:							11,000	---	---	9,300	---	---	---	---	---	1,100	---	---
<i>Eco CC^c:</i>							---	---	---	---	---	---	---	---	---	---	---	---
IAAP101777	IAAP101778	693744.6	91817.31	04/24/07	1	2	0.360	0.360	U	0.360	0.360	U	0.360	0.360	U	0.360	0.360	U
IAAP101779	IAAP101779	693749.85	91804.71	04/26/07	0	0.5	0.042	0.042	U	0.042	0.042	U	0.042	0.042	U	0.042	0.042	U
IAAP101779	IAAP101780	693749.85	91804.71	04/26/07	1	2	0.041	0.041	U	0.041	0.041	U	0.041	0.041	U	0.041	0.041	U
IAAP101783	IAAP101783	693783.79	91811.01	04/27/07	0	0.5	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U
IAAP101783	IAAP101784	693783.79	91811.01	04/27/07	1	1.5	0.041	0.041	U	0.041	0.041	U	0.041	0.041	U	0.041	0.041	U
IAAP101785	IAAP101786	693791.14	91840.4	04/24/07	2.2	2.9	0.410	0.410	U	0.410	0.410	U	0.410	0.410	U	0.410	0.410	U
IAAP101787	IAAP101788	693803.39	91834.8	04/27/07	1	1.5	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U
IAAP101789	IAAP101789	693808.99	91818.36	04/26/07	0	0.5	0.039	0.039	U	0.039	0.039	U	0.039	0.039	U	0.039	0.039	U
IAAP101789	IAAP101790	693808.99	91818.36	04/26/07	1	1.5	0.042	0.042	U	0.042	0.042	U	0.042	0.042	U	0.042	0.042	U
IAAP101791	IAAP101791	693802.34	91811.36	04/26/07	0	0.5	0.050	0.050	U	0.050	0.050	U	0.050	0.050	U	0.050	0.050	U
IAAP101791	IAAP101791-1	693802.34	91811.36	04/26/07	0	0.5	0.045	0.045	U	0.045	0.045	U	0.045	0.045	U	0.045	0.045	U
IAAP101791	IAAP101792	693802.34	91811.36	04/26/07	1	1.5	0.042	0.042	U	0.042	0.042	U	0.042	0.042	U	0.042	0.042	U
IAAP101793	IAAP101794	693848.53	91834.8	04/26/07	1	2	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U
IAAP101795	IAAP101796	693868.83	91815.91	04/26/07	1	1.5	0.045	0.045	U	0.045	0.045	U	0.045	0.045	U	0.045	0.045	U
IAAP101819	IAAP101819	694010.45	91852.96	04/26/07	0	0.5	0.038	0.038	U	0.038	0.038	U	0.038	0.038	U	0.038	0.038	U
IAAP101820	IAAP101820	694001.46	91821.27	04/26/07	0	0.5	0.046	0.046	U	0.046	0.046	U	0.046	0.046	U	0.046	0.046	U
IAAP101821	IAAP101821	694047.69	91779	04/26/07	0	0.5	0.042	0.042	U	0.042	0.042	U	0.042	0.042	U	0.042	0.042	U
Maximum Reported Concentration (Detects and Non-Detects):							0.410	---	U	0.410	---	U	0.410	---	U	0.410	---	U
Maximum Detected Concentration:							NA	---	---	NA	---	---	NA	---	---	NA	---	---
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0):							---	---	---	---	---	---	---	---	---	---	---	---
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection):							---	---	---	---	---	---	---	---	---	---	---	---
Number of Sample Results Greater than USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0):							0	---	---	0	---	---	---	---	---	0	---	---
Number of Sample Results Greater than Eco CC:							---	---	---	---	---	---	---	---	---	---	---	---

^a Gray-shaded concentrations exceed the corresponding IAAAP OU-1 ROD RGs protective of an industrial worker ingesting soil (Harza 1998).

^b Concentrations in **bold** exceed the corresponding RSLs (USEPA 2018a) protective of an industrial worker exposed to soil via ingestion, dermal contact, and dust inhalation.

^c Concentrations in *italics* exceed the corresponding Eco CCs calculated for the WBPS.

Notes:

"---" Indicates that there is no comparison value available.

All results and comparison values are in mg/kg.

NA - Maximum detected result is not available because all results reported for the parameter are non-detect.

VQ symbols indicate: "—" positive identification, positive quantitation, no reason to estimate,

"U" non-detect, no reason to estimate, "J" positive identification, estimated quantitation,

"UJ" analyte was not detected and had QC deficiencies.

Table B-4-2. FUSRAP Post-Excavation Soil Characterization Data Remaining for Semivolatile Organic Compounds at the West Burn Pads South of the Road at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	2,2'-oxybis(1-Chloropropane)			2,4,5-Trichlorophenol			2,4,6-Trichlorophenol			2,4-Dichlorophenol		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							---	---	---	---	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:							47,000	---	---	82,000	---	---	21,000	---	---	2,500	---	---
<i>Eco CC^c:</i>							---	---	---	---	---	---	---	---	---	---	---	---
IAAP101777	IAAP101778	693744.6	91817.31	04/24/07	1	2	0.360	0.360	U	0.360	0.360	U	0.360	0.360	U	0.360	0.360	U
IAAP101779	IAAP101779	693749.85	91804.71	04/26/07	0	0.5	0.042	0.042	U	0.042	0.042	U	0.042	0.042	U	0.042	0.042	U
IAAP101779	IAAP101780	693749.85	91804.71	04/26/07	1	2	0.041	0.041	U	0.041	0.041	U	0.041	0.041	U	0.041	0.041	U
IAAP101783	IAAP101783	693783.79	91811.01	04/27/07	0	0.5	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U
IAAP101783	IAAP101784	693783.79	91811.01	04/27/07	1	1.5	0.041	0.041	U	0.041	0.041	U	0.041	0.041	U	0.041	0.041	U
IAAP101785	IAAP101786	693791.14	91840.4	04/24/07	2.2	2.9	0.410	0.410	U	0.410	0.410	U	0.410	0.410	U	0.410	0.410	U
IAAP101787	IAAP101788	693803.39	91834.8	04/27/07	1	1.5	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U
IAAP101789	IAAP101789	693808.99	91818.36	04/26/07	0	0.5	0.039	0.039	U	0.039	0.039	U	0.039	0.039	U	0.039	0.039	U
IAAP101789	IAAP101790	693808.99	91818.36	04/26/07	1	1.5	0.042	0.042	U	0.042	0.042	U	0.042	0.042	U	0.042	0.042	U
IAAP101791	IAAP101791	693802.34	91811.36	04/26/07	0	0.5	0.050	0.050	U	0.050	0.050	U	0.050	0.050	U	0.050	0.050	U
IAAP101791	IAAP101791-1	693802.34	91811.36	04/26/07	0	0.5	0.045	0.045	U	0.045	0.045	U	0.045	0.045	U	0.045	0.045	U
IAAP101791	IAAP101792	693802.34	91811.36	04/26/07	1	1.5	0.042	0.042	U	0.042	0.042	U	0.042	0.042	U	0.042	0.042	U
IAAP101793	IAAP101794	693848.53	91834.8	04/26/07	1	2	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U
IAAP101795	IAAP101796	693868.83	91815.91	04/26/07	1	1.5	0.045	0.045	U	0.045	0.045	U	0.045	0.045	U	0.045	0.045	U
IAAP101819	IAAP101819	694010.45	91852.96	04/26/07	0	0.5	0.038	0.038	U	0.038	0.038	U	0.038	0.038	U	0.038	0.038	U
IAAP101820	IAAP101820	694001.46	91821.27	04/26/07	0	0.5	0.046	0.046	U	0.046	0.046	U	0.046	0.046	U	0.046	0.046	U
IAAP101821	IAAP101821	694047.69	91779	04/26/07	0	0.5	0.042	0.042	U	0.042	0.042	U	0.042	0.042	U	0.042	0.042	U
Maximum Reported Concentration (Detects and Non-Detects):							0.410	---	U	0.410	---	U	0.410	---	U	0.410	---	U
Maximum Detected Concentration:							NA	---	---	NA	---	---	NA	---	---	NA	---	---
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0):							---	---	---	---	---	---	---	---	---	---	---	---
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection):							---	---	---	---	---	---	---	---	---	---	---	---
Number of Sample Results Greater than USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0):							0	---	---	0	---	---	0	---	---	0	---	---
Number of Sample Results Greater than Eco CC:							---	---	---	---	---	---	---	---	---	---	---	---

^a Gray-shaded concentrations exceed the corresponding IAAAP OU-1 ROD RGs protective of an industrial worker ingesting soil (Harza 1998).

^b Concentrations in **bold** exceed the corresponding RSLs (USEPA 2018a) protective of an industrial worker exposed to soil via ingestion, dermal contact, and dust inhalation.

^c Concentrations in *italics* exceed the corresponding Eco CCs calculated for the WBPS.

Notes:

"---" Indicates that there is no comparison value available.

All results and comparison values are in mg/kg.

NA - Maximum detected result is not available because all results reported for the parameter are non-detect.

VQ symbols indicate: "—" positive identification, positive quantitation, no reason to estimate,

"U" non-detect, no reason to estimate, "J" positive identification, estimated quantitation,

"UJ" analyte was not detected and had QC deficiencies.

Table B-4-2. FUSRAP Post-Excavation Soil Characterization Data Remaining for Semivolatile Organic Compounds at the West Burn Pads South of the Road at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	2,4-Dimethylphenol			2,4-Dinitrophenol			2,4-Dinitrotoluene			2,6-Dinitrotoluene		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							---	---	---	---	---	---	8.7	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:							16,000	---	---	1,600	---	---	7,400	---	---	1,500	---	---
<i>Eco CC^c:</i>							---	---	---	---	---	---	---	---	---	---	---	---
IAAP101777	IAAP101778	693744.6	91817.31	04/24/07	1	2	0.360	0.360	U	1.700	1.700	U	0.360	0.360	U	0.360	0.360	U
IAAP101779	IAAP101779	693749.85	91804.71	04/26/07	0	0.5	0.042	0.042	U	0.420	0.420	U	0.042	0.042	U	0.042	0.042	U
IAAP101779	IAAP101780	693749.85	91804.71	04/26/07	1	2	0.041	0.041	U	0.410	0.410	U	0.041	0.041	U	0.041	0.041	U
IAAP101783	IAAP101783	693783.79	91811.01	04/27/07	0	0.5	0.043	0.043	U	0.430	0.430	U	0.043	0.043	U	0.043	0.043	U
IAAP101783	IAAP101784	693783.79	91811.01	04/27/07	1	1.5	0.041	0.041	U	0.410	0.410	U	0.041	0.041	U	0.041	0.041	U
IAAP101785	IAAP101786	693791.14	91840.4	04/24/07	2.2	2.9	0.410	0.410	U	2.000	2.000	U	0.410	0.410	U	0.410	0.410	U
IAAP101787	IAAP101788	693803.39	91834.8	04/27/07	1	1.5	0.043	0.043	U	0.430	0.430	U	0.043	0.043	U	0.043	0.043	U
IAAP101789	IAAP101789	693808.99	91818.36	04/26/07	0	0.5	0.039	0.039	U	0.380	0.380	U	0.039	0.039	U	0.039	0.039	U
IAAP101789	IAAP101790	693808.99	91818.36	04/26/07	1	1.5	0.042	0.042	U	0.420	0.420	U	0.042	0.042	U	0.042	0.042	U
IAAP101791	IAAP101791	693802.34	91811.36	04/26/07	0	0.5	0.050	0.050	U	0.500	0.500	U	0.050	0.050	U	0.050	0.050	U
IAAP101791	IAAP101791-1	693802.34	91811.36	04/26/07	0	0.5	0.045	0.045	U	0.450	0.450	U	0.045	0.045	U	0.045	0.045	U
IAAP101791	IAAP101792	693802.34	91811.36	04/26/07	1	1.5	0.042	0.042	U	0.420	0.420	U	0.042	0.042	U	0.042	0.042	U
IAAP101793	IAAP101794	693848.53	91834.8	04/26/07	1	2	0.043	0.043	U	0.430	0.430	U	0.043	0.043	U	0.043	0.043	U
IAAP101795	IAAP101796	693868.83	91815.91	04/26/07	1	1.5	0.045	0.045	U	0.440	0.440	U	0.045	0.045	U	0.045	0.045	U
IAAP101819	IAAP101819	694010.45	91852.96	04/26/07	0	0.5	0.038	0.038	U	0.370	0.370	U	0.038	0.038	U	0.038	0.038	U
IAAP101820	IAAP101820	694001.46	91821.27	04/26/07	0	0.5	0.046	0.046	U	0.450	0.450	U	0.046	0.046	U	0.046	0.046	U
IAAP101821	IAAP101821	694047.69	91779	04/26/07	0	0.5	0.042	0.042	U	0.410	0.410	U	0.042	0.042	U	0.042	0.042	U
Maximum Reported Concentration (Detects and Non-Detects):							0.410	---	U	2.000	---	U	0.410	---	U	0.410	---	U
Maximum Detected Concentration:							NA	---	---	NA	---	---	NA	---	---	NA	---	---
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0):							---	---	---	---	---	---	0	---	---	---	---	---
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection):							---	---	---	---	---	---	---	---	---	---	---	---
Number of Sample Results Greater than USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0):							0	---	---	0	---	---	0	---	---	0	---	---
Number of Sample Results Greater than Eco CC:							---	---	---	---	---	---	---	---	---	---	---	---

^a Gray-shaded concentrations exceed the corresponding IAAAP OU-1 ROD RGs protective of an industrial worker ingesting soil (Harza 1998).

^b Concentrations in **bold** exceed the corresponding RSLs (USEPA 2018a) protective of an industrial worker exposed to soil via ingestion, dermal contact, and dust inhalation.

^c Concentrations in *italics* exceed the corresponding Eco CCs calculated for the WBPS.

Notes:

"---" Indicates that there is no comparison value available.

All results and comparison values are in mg/kg.

NA - Maximum detected result is not available because all results reported for the parameter are non-detect.

VQ symbols indicate: "—" positive identification, positive quantitation, no reason to estimate,

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"UJ" analyte was not detected and had QC deficiencies.

Table B-4-2. FUSRAP Post-Excavation Soil Characterization Data Remaining for Semivolatile Organic Compounds at the West Burn Pads South of the Road at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	2-Chloronaphthalene			2-Chlorophenol			2-Methylnaphthalene			2-Methylphenol		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							---	---	---	---	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:							60,000	---	---	5,800	---	---	3,000	---	---	41,000	---	---
<i>Eco CC</i> ^c :							---	---	---	---	---	---	---	---	---	---	---	---
IAAP101777	IAAP101778	693744.6	91817.31	04/24/07	1	2	0.360	0.360	U	0.360	0.360	U	0.360	0.360	U	0.360	0.360	U
IAAP101779	IAAP101779	693749.85	91804.71	04/26/07	0	0.5	0.042	0.042	U	0.042	0.042	U	0.042	0.042	U	0.042	0.042	U
IAAP101779	IAAP101780	693749.85	91804.71	04/26/07	1	2	0.041	0.041	U	0.041	0.041	U	0.041	0.041	U	0.041	0.041	U
IAAP101783	IAAP101783	693783.79	91811.01	04/27/07	0	0.5	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U
IAAP101783	IAAP101784	693783.79	91811.01	04/27/07	1	1.5	0.041	0.041	U	0.041	0.041	U	0.041	0.041	U	0.041	0.041	U
IAAP101785	IAAP101786	693791.14	91840.4	04/24/07	2.2	2.9	0.410	0.410	U	0.410	0.410	U	0.410	0.410	U	0.410	0.410	U
IAAP101787	IAAP101788	693803.39	91834.8	04/27/07	1	1.5	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U
IAAP101789	IAAP101789	693808.99	91818.36	04/26/07	0	0.5	0.039	0.039	U	0.039	0.039	U	0.039	0.039	U	0.039	0.039	U
IAAP101789	IAAP101790	693808.99	91818.36	04/26/07	1	1.5	0.042	0.042	U	0.042	0.042	U	0.042	0.042	U	0.042	0.042	U
IAAP101791	IAAP101791	693802.34	91811.36	04/26/07	0	0.5	0.050	0.050	U	0.050	0.050	U	0.050	0.050	U	0.050	0.050	U
IAAP101791	IAAP101791-1	693802.34	91811.36	04/26/07	0	0.5	0.045	0.045	U	0.045	0.045	U	0.045	0.045	U	0.045	0.045	U
IAAP101791	IAAP101792	693802.34	91811.36	04/26/07	1	1.5	0.042	0.042	U	0.042	0.042	U	0.042	0.042	U	0.042	0.042	U
IAAP101793	IAAP101794	693848.53	91834.8	04/26/07	1	2	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U
IAAP101795	IAAP101796	693868.83	91815.91	04/26/07	1	1.5	0.045	0.045	U	0.045	0.045	U	0.045	0.045	U	0.045	0.045	U
IAAP101819	IAAP101819	694010.45	91852.96	04/26/07	0	0.5	0.038	0.038	U	0.038	0.038	U	0.038	0.038	U	0.038	0.038	U
IAAP101820	IAAP101820	694001.46	91821.27	04/26/07	0	0.5	0.046	0.046	U	0.046	0.046	U	0.046	0.046	U	0.046	0.046	U
IAAP101821	IAAP101821	694047.69	91779	04/26/07	0	0.5	0.042	0.042	U	0.042	0.042	U	0.042	0.042	U	0.042	0.042	U
Maximum Reported Concentration (Detects and Non-Detects):							0.410	---	U	0.410	---	U	0.410	---	U	0.410	---	U
Maximum Detected Concentration:							NA	---	---	NA	---	---	NA	---	---	NA	---	---
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0):							---	---	---	---	---	---	---	---	---	---	---	---
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection):							---	---	---	---	---	---	---	---	---	---	---	---
Number of Sample Results Greater than USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0):							0	---	---	0	---	---	0	---	---	0	---	---
Number of Sample Results Greater than Eco CC:							---	---	---	---	---	---	---	---	---	---	---	---

^a Gray-shaded concentrations exceed the corresponding IAAAP OU-1 ROD RGs protective of an industrial worker ingesting soil (Harza 1998).

^b Concentrations in **bold** exceed the corresponding RSLs (USEPA 2018a) protective of an industrial worker exposed to soil via ingestion, dermal contact, and dust inhalation.

^c Concentrations in *italics* exceed the corresponding Eco CCs calculated for the WBPS.

Notes:

"---" Indicates that there is no comparison value available.

All results and comparison values are in mg/kg.

NA - Maximum detected result is not available because all results reported for the parameter are non-detect.

VQ symbols indicate: “=” positive identification, positive quantitation, no reason to estimate,

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“UJ” analyte was not detected and had QC deficiencies.

Table B-4-2. FUSRAP Post-Excavation Soil Characterization Data Remaining for Semivolatile Organic Compounds at the West Burn Pads South of the Road at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	2-Nitroaniline			2-Nitrophenol			3,3'-Dichlorobenzidine			3-Nitroaniline		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							---	---	---	---	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:							8,000	---	---	---	---	---	5,100	---	---	---	---	---
<i>Eco CC</i> ^c :							---	---	---	---	---	---	---	---	---	---	---	---
IAAP101777	IAAP101778	693744.6	91817.31	04/24/07	1	2	1.700	1.700	U	0.360	0.360	U	1.700	1.700	U	1.700	1.700	U
IAAP101779	IAAP101779	693749.85	91804.71	04/26/07	0	0.5	0.042	0.042	U	0.042	0.042	U	0.042	0.042	U	0.042	0.042	U
IAAP101779	IAAP101780	693749.85	91804.71	04/26/07	1	2	0.041	0.041	U	0.041	0.041	U	0.041	0.041	U	0.041	0.041	U
IAAP101783	IAAP101783	693783.79	91811.01	04/27/07	0	0.5	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U
IAAP101783	IAAP101784	693783.79	91811.01	04/27/07	1	1.5	0.041	0.041	U	0.041	0.041	U	0.041	0.041	U	0.041	0.041	U
IAAP101785	IAAP101786	693791.14	91840.4	04/24/07	2.2	2.9	2.000	2.000	U	0.410	0.410	U	2.000	2.000	U	2.000	2.000	U
IAAP101787	IAAP101788	693803.39	91834.8	04/27/07	1	1.5	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U
IAAP101789	IAAP101789	693808.99	91818.36	04/26/07	0	0.5	0.039	0.039	U	0.039	0.039	U	0.039	0.039	U	0.039	0.039	U
IAAP101789	IAAP101790	693808.99	91818.36	04/26/07	1	1.5	0.042	0.042	U	0.042	0.042	U	0.042	0.042	U	0.042	0.042	U
IAAP101791	IAAP101791	693802.34	91811.36	04/26/07	0	0.5	0.050	0.050	U	0.050	0.050	U	0.050	0.050	U	0.050	0.050	U
IAAP101791	IAAP101791-1	693802.34	91811.36	04/26/07	0	0.5	0.045	0.045	U	0.045	0.045	U	0.045	0.045	U	0.045	0.045	U
IAAP101791	IAAP101792	693802.34	91811.36	04/26/07	1	1.5	0.042	0.042	U	0.042	0.042	U	0.042	0.042	U	0.042	0.042	U
IAAP101793	IAAP101794	693848.53	91834.8	04/26/07	1	2	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U
IAAP101795	IAAP101796	693868.83	91815.91	04/26/07	1	1.5	0.045	0.045	U	0.045	0.045	U	0.045	0.045	U	0.045	0.045	U
IAAP101819	IAAP101819	694010.45	91852.96	04/26/07	0	0.5	0.038	0.038	U	0.038	0.038	U	0.038	0.038	U	0.038	0.038	U
IAAP101820	IAAP101820	694001.46	91821.27	04/26/07	0	0.5	0.046	0.046	U	0.046	0.046	U	0.046	0.046	U	0.046	0.046	U
IAAP101821	IAAP101821	694047.69	91779	04/26/07	0	0.5	0.042	0.042	U	0.042	0.042	U	0.042	0.042	U	0.042	0.042	U
Maximum Reported Concentration (Detects and Non-Detects):							2.000	---	U	0.410	---	U	2.000	---	U	2.000	---	U
Maximum Detected Concentration:							NA	---	---	NA	---	---	NA	---	---	NA	---	---
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0):							---	---	---	---	---	---	---	---	---	---	---	---
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection):							---	---	---	---	---	---	---	---	---	---	---	---
Number of Sample Results Greater than USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0):							0	---	---	---	---	---	0	---	---	---	---	---
Number of Sample Results Greater than Eco CC:							---	---	---	---	---	---	---	---	---	---	---	---

^a Gray-shaded concentrations exceed the corresponding IAAAP OU-1 ROD RGs protective of an industrial worker ingesting soil (Harza 1998).

^b Concentrations in **bold** exceed the corresponding RSLs (USEPA 2018a) protective of an industrial worker exposed to soil via ingestion, dermal contact, and dust inhalation.

^c Concentrations in *italics* exceed the corresponding Eco CCs calculated for the WBPS.

Notes:

"---" Indicates that there is no comparison value available.

All results and comparison values are in mg/kg.

NA - Maximum detected result is not available because all results reported for the parameter are non-detect.

VQ symbols indicate: "—" positive identification, positive quantitation, no reason to estimate,

"U" non-detect, no reason to estimate, "J" positive identification, estimated quantitation,

"UJ" analyte was not detected and had QC deficiencies.

Table B-4-2. FUSRAP Post-Excavation Soil Characterization Data Remaining for Semivolatile Organic Compounds at the West Burn Pads South of the Road at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	4,4'-Methylenebis(2-chloroaniline)			4,6-Dinitro-2-methylphenol			4-Bromophenyl phenyl ether		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							---	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:							2,300	---	---	66	---	---	---	---	---
<i>Eco CC^c:</i>							---	---	---	---	---	---	---	---	---
IAAP101777	IAAP101778	693744.6	91817.31	04/24/07	1	2	0.360	0.360	U	1.700	1.700	U	0.360	0.360	U
IAAP101779	IAAP101779	693749.85	91804.71	04/26/07	0	0.5	0.130	0.130	U	0.420	0.420	U	0.042	0.042	U
IAAP101779	IAAP101780	693749.85	91804.71	04/26/07	1	2	0.120	0.120	U	0.410	0.410	U	0.041	0.041	U
IAAP101783	IAAP101783	693783.79	91811.01	04/27/07	0	0.5	0.130	0.130	U	0.430	0.430	U	0.043	0.043	U
IAAP101783	IAAP101784	693783.79	91811.01	04/27/07	1	1.5	0.120	0.120	U	0.410	0.410	U	0.041	0.041	U
IAAP101785	IAAP101786	693791.14	91840.4	04/24/07	2.2	2.9	0.410	0.410	U	2.000	2.000	U	0.410	0.410	U
IAAP101787	IAAP101788	693803.39	91834.8	04/27/07	1	1.5	0.130	0.130	U	0.430	0.430	U	0.043	0.043	U
IAAP101789	IAAP101789	693808.99	91818.36	04/26/07	0	0.5	0.110	0.110	U	0.380	0.380	U	0.039	0.039	U
IAAP101789	IAAP101790	693808.99	91818.36	04/26/07	1	1.5	0.120	0.120	U	0.420	0.420	U	0.042	0.042	U
IAAP101791	IAAP101791	693802.34	91811.36	04/26/07	0	0.5	0.150	0.150	U	0.500	0.500	U	0.050	0.050	U
IAAP101791	IAAP101791-1	693802.34	91811.36	04/26/07	0	0.5	0.130	0.130	U	0.450	0.450	U	0.045	0.045	U
IAAP101791	IAAP101792	693802.34	91811.36	04/26/07	1	1.5	0.120	0.120	U	0.420	0.420	U	0.042	0.042	U
IAAP101793	IAAP101794	693848.53	91834.8	04/26/07	1	2	0.130	0.130	U	0.430	0.430	U	0.043	0.043	U
IAAP101795	IAAP101796	693868.83	91815.91	04/26/07	1	1.5	0.130	0.130	U	0.440	0.440	U	0.045	0.045	U
IAAP101819	IAAP101819	694010.45	91852.96	04/26/07	0	0.5	0.110	0.110	U	0.370	0.370	U	0.038	0.038	U
IAAP101820	IAAP101820	694001.46	91821.27	04/26/07	0	0.5	0.140	0.140	U	0.450	0.450	U	0.046	0.046	U
IAAP101821	IAAP101821	694047.69	91779	04/26/07	0	0.5	0.120	0.120	U	0.410	0.410	U	0.042	0.042	U
Maximum Reported Concentration (Detects and Non-Detects):							0.410	---	U	2.000	---	U	0.410	---	U
Maximum Detected Concentration:							NA	---	---	NA	---	---	NA	---	---
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0):							---	---	---	---	---	---	---	---	---
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection):							---	---	---	---	---	---	---	---	---
Number of Sample Results Greater than USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0):							0	---	---	0	---	---	---	---	---
Number of Sample Results Greater than Eco CC:							---	---	---	---	---	---	---	---	---

^a Gray-shaded concentrations exceed the corresponding IAAAP OU-1 ROD RGs protective of an industrial worker ingesting soil (Harza 1998).

^b Concentrations in **bold** exceed the corresponding RSLs (USEPA 2018a) protective of an industrial worker exposed to soil via ingestion, dermal contact, and dust inhalation.

^c Concentrations in *italics* exceed the corresponding Eco CCs calculated for the WBPS.

Notes:

"---" Indicates that there is no comparison value available.

All results and comparison values are in mg/kg.

NA - Maximum detected result is not available because all results reported for the parameter are non-detect.

VQ symbols indicate: "—" positive identification, positive quantitation, no reason to estimate,

"U" non-detect, no reason to estimate, "J" positive identification, estimated quantitation,

"UJ" analyte was not detected and had QC deficiencies.

Table B-4-2. FUSRAP Post-Excavation Soil Characterization Data Remaining for Semivolatile Organic Compounds at the West Burn Pads South of the Road at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	4-Chloro-3-methylphenol			4-Chloroaniline			4-Chlorophenyl phenyl ether			4-Methylphenol		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							---	---	---	---	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:							82,000	---	---	1,100	---	---	---	---	---	82,000	---	---
<i>Eco CC^c:</i>							---	---	---	---	---	---	---	---	---	---	---	---
IAAP101777	IAAP101778	693744.6	91817.31	04/24/07	1	2	0.360	0.360	U	0.360	0.360	U	0.360	0.360	U	0.710	0.710	U
IAAP101779	IAAP101779	693749.85	91804.71	04/26/07	0	0.5	0.042	0.042	U	0.042	0.042	U	0.042	0.042	U	0.420	0.420	U
IAAP101779	IAAP101780	693749.85	91804.71	04/26/07	1	2	0.041	0.041	U	0.041	0.041	U	0.041	0.041	U	0.410	0.410	U
IAAP101783	IAAP101783	693783.79	91811.01	04/27/07	0	0.5	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U	0.430	0.430	U
IAAP101783	IAAP101784	693783.79	91811.01	04/27/07	1	1.5	0.041	0.041	U	0.041	0.041	U	0.041	0.041	U	0.410	0.410	U
IAAP101785	IAAP101786	693791.14	91840.4	04/24/07	2.2	2.9	0.410	0.410	U	0.410	0.410	U	0.410	0.410	U	0.830	0.830	U
IAAP101787	IAAP101788	693803.39	91834.8	04/27/07	1	1.5	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U	0.430	0.430	U
IAAP101789	IAAP101789	693808.99	91818.36	04/26/07	0	0.5	0.039	0.039	U	0.039	0.039	U	0.039	0.039	U	0.380	0.380	U
IAAP101789	IAAP101790	693808.99	91818.36	04/26/07	1	1.5	0.042	0.042	U	0.042	0.042	U	0.042	0.042	U	0.420	0.420	U
IAAP101791	IAAP101791	693802.34	91811.36	04/26/07	0	0.5	0.050	0.050	U	0.050	0.050	U	0.050	0.050	U	0.500	0.500	U
IAAP101791	IAAP101791-1	693802.34	91811.36	04/26/07	0	0.5	0.045	0.045	U	0.045	0.045	U	0.045	0.045	U	0.450	0.450	U
IAAP101791	IAAP101792	693802.34	91811.36	04/26/07	1	1.5	0.042	0.042	U	0.042	0.042	U	0.042	0.042	U	0.420	0.420	U
IAAP101793	IAAP101794	693848.53	91834.8	04/26/07	1	2	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U	0.430	0.430	U
IAAP101795	IAAP101796	693868.83	91815.91	04/26/07	1	1.5	0.045	0.045	U	0.045	0.045	U	0.045	0.045	U	0.440	0.440	U
IAAP101819	IAAP101819	694010.45	91852.96	04/26/07	0	0.5	0.038	0.038	U	0.038	0.038	U	0.038	0.038	U	0.750	0.750	U
IAAP101820	IAAP101820	694001.46	91821.27	04/26/07	0	0.5	0.046	0.046	U	0.046	0.046	U	0.046	0.046	U	0.910	0.910	U
IAAP101821	IAAP101821	694047.69	91779	04/26/07	0	0.5	0.042	0.042	U	0.042	0.042	U	0.042	0.042	U	0.830	0.830	U
Maximum Reported Concentration (Detects and Non-Detects):							0.410	---	U	0.410	---	U	0.410	---	U	0.910	---	U
Maximum Detected Concentration:							NA	---	---	NA	---	---	NA	---	---	NA	---	---
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0):							---	---	---	---	---	---	---	---	---	---	---	---
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection):							---	---	---	---	---	---	---	---	---	---	---	---
Number of Sample Results Greater than USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0):							0	---	---	0	---	---	---	---	---	0	---	---
Number of Sample Results Greater than Eco CC:							---	---	---	---	---	---	---	---	---	---	---	---

^a Gray-shaded concentrations exceed the corresponding IAAAP OU-1 ROD RGs protective of an industrial worker ingesting soil (Harza 1998).

^b Concentrations in **bold** exceed the corresponding RSLs (USEPA 2018a) protective of an industrial worker exposed to soil via ingestion, dermal contact, and dust inhalation.

^c Concentrations in *italics* exceed the corresponding Eco CCs calculated for the WBPS.

Notes:

"---" Indicates that there is no comparison value available.

All results and comparison values are in mg/kg.

NA - Maximum detected result is not available because all results reported for the parameter are non-detect.

VQ symbols indicate: “=” positive identification, positive quantitation, no reason to estimate,

“U” non-detect, no reason to estimate, “J” positive identification, estimated quantitation,

“UJ” analyte was not detected and had QC deficiencies.

Table B-4-2. FUSRAP Post-Excavation Soil Characterization Data Remaining for Semivolatile Organic Compounds at the West Burn Pads South of the Road at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	4-Nitroaniline			4-Nitrophenol			Acenaphthene			Acenaphthylene		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							---	---	---	---	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:							11,000	---	---	---	---	---	45,000	---	---	---	---	---
<i>Eco CC^c:</i>							---	---	---	---	---	---	---	---	---	---	---	---
IAAP101777	IAAP101778	693744.6	91817.31	04/24/07	1	2	1.700	1.700	U	1.700	1.700	U	0.360	0.360	U	0.360	0.360	U
IAAP101779	IAAP101779	693749.85	91804.71	04/26/07	0	0.5	0.420	0.420	U	0.420	0.420	U	0.042	0.042	U	0.042	0.042	U
IAAP101779	IAAP101780	693749.85	91804.71	04/26/07	1	2	0.410	0.410	U	0.410	0.410	U	0.041	0.041	U	0.041	0.041	U
IAAP101783	IAAP101783	693783.79	91811.01	04/27/07	0	0.5	0.430	0.430	U	0.430	0.430	U	0.043	0.043	U	0.043	0.043	U
IAAP101783	IAAP101784	693783.79	91811.01	04/27/07	1	1.5	0.410	0.410	U	0.410	0.410	U	0.041	0.041	U	0.041	0.041	U
IAAP101785	IAAP101786	693791.14	91840.4	04/24/07	2.2	2.9	2.000	2.000	U	2.000	2.000	U	0.410	0.410	U	0.410	0.410	U
IAAP101787	IAAP101788	693803.39	91834.8	04/27/07	1	1.5	0.430	0.430	U	0.430	0.430	U	0.043	0.043	U	0.043	0.043	U
IAAP101789	IAAP101789	693808.99	91818.36	04/26/07	0	0.5	0.380	0.380	U	0.380	0.380	U	0.039	0.039	U	0.039	0.039	U
IAAP101789	IAAP101790	693808.99	91818.36	04/26/07	1	1.5	0.420	0.420	U	0.420	0.420	U	0.042	0.042	U	0.042	0.042	U
IAAP101791	IAAP101791	693802.34	91811.36	04/26/07	0	0.5	0.500	0.500	U	0.500	0.500	U	0.050	0.050	U	0.050	0.050	U
IAAP101791	IAAP101791-1	693802.34	91811.36	04/26/07	0	0.5	0.450	0.450	U	0.450	0.450	U	0.045	0.045	U	0.045	0.045	U
IAAP101791	IAAP101792	693802.34	91811.36	04/26/07	1	1.5	0.420	0.420	U	0.420	0.420	U	0.042	0.042	U	0.042	0.042	U
IAAP101793	IAAP101794	693848.53	91834.8	04/26/07	1	2	0.430	0.430	U	0.430	0.430	U	0.043	0.043	U	0.043	0.043	U
IAAP101795	IAAP101796	693868.83	91815.91	04/26/07	1	1.5	0.440	0.440	U	0.440	0.440	U	0.045	0.045	U	0.045	0.045	U
IAAP101819	IAAP101819	694010.45	91852.96	04/26/07	0	0.5	0.370	0.370	U	0.370	0.370	U	0.038	0.038	U	0.038	0.038	U
IAAP101820	IAAP101820	694001.46	91821.27	04/26/07	0	0.5	0.450	0.450	U	0.450	0.450	U	0.046	0.046	U	0.046	0.046	U
IAAP101821	IAAP101821	694047.69	91779	04/26/07	0	0.5	0.410	0.410	U	0.410	0.410	U	0.042	0.042	U	0.042	0.042	U
Maximum Reported Concentration (Detects and Non-Detects):							2.000	---	U	2.000	---	U	0.410	---	U	0.410	---	U
Maximum Detected Concentration:							NA	---	---	NA	---	---	NA	---	---	NA	---	---
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0):							---	---	---	---	---	---	---	---	---	---	---	---
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection):							---	---	---	---	---	---	---	---	---	---	---	---
Number of Sample Results Greater than USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0):							0	---	---	---	---	---	0	---	---	---	---	---
Number of Sample Results Greater than Eco CC:							---	---	---	---	---	---	---	---	---	---	---	---

^a Gray-shaded concentrations exceed the corresponding IAAAP OU-1 ROD RGs protective of an industrial worker ingesting soil (Harza 1998).

^b Concentrations in **bold** exceed the corresponding RSLs (USEPA 2018a) protective of an industrial worker exposed to soil via ingestion, dermal contact, and dust inhalation.

^c Concentrations in *italics* exceed the corresponding Eco CCs calculated for the WBPS.

Notes:

"---" Indicates that there is no comparison value available.

All results and comparison values are in mg/kg.

NA - Maximum detected result is not available because all results reported for the parameter are non-detect.

VQ symbols indicate: "—" positive identification, positive quantitation, no reason to estimate,

"U" non-detect, no reason to estimate, "J" positive identification, estimated quantitation,

"UJ" analyte was not detected and had QC deficiencies.

Table B-4-2. FUSRAP Post-Excavation Soil Characterization Data Remaining for Semivolatile Organic Compounds at the West Burn Pads South of the Road at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	Anthracene			Benzo(a)anthracene			Benzo(a)pyrene			Benzo(b)fluoranthene		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							---	---	---	8.1	---	---	0.81	---	---	8.1	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:							230,000	---	---	2,100	---	---	210	---	---	2,100	---	---
<i>Eco CC^c:</i>							---	---	---	---	---	---	---	---	---	---	---	---
IAAP101777	IAAP101778	693744.6	91817.31	04/24/07	1	2	0.360	0.360	U	0.360	0.360	U	0.360	0.360	U	0.360	0.360	U
IAAP101779	IAAP101779	693749.85	91804.71	04/26/07	0	0.5	0.042	0.042	U	0.042	0.042	U	0.042	0.042	U	0.042	0.042	U
IAAP101779	IAAP101780	693749.85	91804.71	04/26/07	1	2	0.041	0.041	U	0.041	0.041	U	0.041	0.041	U	0.041	0.041	U
IAAP101783	IAAP101783	693783.79	91811.01	04/27/07	0	0.5	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U
IAAP101783	IAAP101784	693783.79	91811.01	04/27/07	1	1.5	0.041	0.041	U	0.041	0.041	U	0.041	0.041	U	0.041	0.041	U
IAAP101785	IAAP101786	693791.14	91840.4	04/24/07	2.2	2.9	0.410	0.410	U	0.410	0.410	U	0.410	0.410	U	0.410	0.410	U
IAAP101787	IAAP101788	693803.39	91834.8	04/27/07	1	1.5	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U
IAAP101789	IAAP101789	693808.99	91818.36	04/26/07	0	0.5	0.039	0.039	U	0.039	0.039	U	0.039	0.039	U	0.039	0.039	U
IAAP101789	IAAP101790	693808.99	91818.36	04/26/07	1	1.5	0.042	0.042	U	0.042	0.042	U	0.042	0.042	U	0.042	0.042	U
IAAP101791	IAAP101791	693802.34	91811.36	04/26/07	0	0.5	0.050	0.050	U	0.050	0.050	U	0.051	0.050	=	0.085	0.050	=
IAAP101791	IAAP101791-1	693802.34	91811.36	04/26/07	0	0.5	0.045	0.045	U	0.045	0.045	U	0.045	0.045	=	0.120	0.045	=
IAAP101791	IAAP101792	693802.34	91811.36	04/26/07	1	1.5	0.042	0.042	U	0.042	0.042	U	0.042	0.042	U	0.042	0.042	U
IAAP101793	IAAP101794	693848.53	91834.8	04/26/07	1	2	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U
IAAP101795	IAAP101796	693868.83	91815.91	04/26/07	1	1.5	0.045	0.045	U	0.045	0.045	U	0.045	0.045	U	0.045	0.045	U
IAAP101819	IAAP101819	694010.45	91852.96	04/26/07	0	0.5	0.038	0.038	U	0.038	0.038	U	0.038	0.038	U	0.038	0.038	U
IAAP101820	IAAP101820	694001.46	91821.27	04/26/07	0	0.5	0.046	0.046	U	0.046	0.046	U	0.046	0.046	U	0.046	0.046	U
IAAP101821	IAAP101821	694047.69	91779	04/26/07	0	0.5	0.042	0.042	U	0.042	0.042	U	0.042	0.042	U	0.042	0.042	U
Maximum Reported Concentration (Detects and Non-Detects):							0.410	---	U	0.410	---	U	0.410	---	U	0.410	---	U
Maximum Detected Concentration:							NA	---	---	NA	---	---	0.051	---	=	0.120	---	=
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0):							---	---	---	0	---	---	0	---	---	0	---	---
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection):							---	---	---	---	---	---	---	---	---	---	---	---
Number of Sample Results Greater than USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0):							0	---	---	0	---	---	0	---	---	0	---	---
Number of Sample Results Greater than Eco CC:							---	---	---	---	---	---	---	---	---	---	---	---

^a Gray-shaded concentrations exceed the corresponding IAAAP OU-1 ROD RGs protective of an industrial worker ingesting soil (Harza 1998).

^b Concentrations in **bold** exceed the corresponding RSLs (USEPA 2018a) protective of an industrial worker exposed to soil via ingestion, dermal contact, and dust inhalation.

^c Concentrations in *italics* exceed the corresponding Eco CCs calculated for the WBPS.

Notes:

"---" Indicates that there is no comparison value available.

All results and comparison values are in mg/kg.

NA - Maximum detected result is not available because all results reported for the parameter are non-detect.

VQ symbols indicate: “=” positive identification, positive quantitation, no reason to estimate,

“U” non-detect, no reason to estimate, “J” positive identification, estimated quantitation,

“UJ” analyte was not detected and had QC deficiencies.

Table B-4-2. FUSRAP Post-Excavation Soil Characterization Data Remaining for Semivolatile Organic Compounds at the West Burn Pads South of the Road at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	Benzo(g,h,i)perylene			Benzo(k)fluoranthene			Bis(2-chloroethoxy) methane			Bis(2-chloroethyl) ether		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							---	---	---	---	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:							---	---	---	21,000	---	---	2,500	---	---	100	---	---
<i>Eco CC^c:</i>							---	---	---	---	---	---	---	---	---	---	---	---
IAAP101777	IAAP101778	693744.6	91817.31	04/24/07	1	2	0.360	0.360	U	0.360	0.360	U	0.360	0.360	U	0.360	0.360	U
IAAP101779	IAAP101779	693749.85	91804.71	04/26/07	0	0.5	0.042	0.042	U	0.042	0.042	U	0.042	0.042	U	0.042	0.042	U
IAAP101779	IAAP101780	693749.85	91804.71	04/26/07	1	2	0.041	0.041	U	0.041	0.041	U	0.041	0.041	U	0.041	0.041	U
IAAP101783	IAAP101783	693783.79	91811.01	04/27/07	0	0.5	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U
IAAP101783	IAAP101784	693783.79	91811.01	04/27/07	1	1.5	0.041	0.041	U	0.041	0.041	U	0.041	0.041	U	0.041	0.041	U
IAAP101785	IAAP101786	693791.14	91840.4	04/24/07	2.2	2.9	0.410	0.410	U	0.410	0.410	U	0.410	0.410	U	0.410	0.410	U
IAAP101787	IAAP101788	693803.39	91834.8	04/27/07	1	1.5	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U
IAAP101789	IAAP101789	693808.99	91818.36	04/26/07	0	0.5	0.039	0.039	U	0.039	0.039	U	0.039	0.039	U	0.039	0.039	U
IAAP101789	IAAP101790	693808.99	91818.36	04/26/07	1	1.5	0.042	0.042	U	0.042	0.042	U	0.042	0.042	U	0.042	0.042	U
IAAP101791	IAAP101791	693802.34	91811.36	04/26/07	0	0.5	0.064	0.050	=	0.064	0.050	=	0.050	0.050	U	0.050	0.050	U
IAAP101791	IAAP101791-1	693802.34	91811.36	04/26/07	0	0.5	0.086	0.045	=	0.093	0.045	=	0.045	0.045	U	0.045	0.045	U
IAAP101791	IAAP101792	693802.34	91811.36	04/26/07	1	1.5	0.042	0.042	U	0.042	0.042	U	0.042	0.042	U	0.042	0.042	U
IAAP101793	IAAP101794	693848.53	91834.8	04/26/07	1	2	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U
IAAP101795	IAAP101796	693868.83	91815.91	04/26/07	1	1.5	0.045	0.045	U	0.045	0.045	U	0.045	0.045	U	0.045	0.045	U
IAAP101819	IAAP101819	694010.45	91852.96	04/26/07	0	0.5	0.038	0.038	U	0.038	0.038	U	0.038	0.038	U	0.038	0.038	U
IAAP101820	IAAP101820	694001.46	91821.27	04/26/07	0	0.5	0.046	0.046	U	0.046	0.046	U	0.046	0.046	U	0.046	0.046	U
IAAP101821	IAAP101821	694047.69	91779	04/26/07	0	0.5	0.042	0.042	U	0.042	0.042	U	0.042	0.042	U	0.042	0.042	U
Maximum Reported Concentration (Detects and Non-Detects):							0.410	---	U	0.410	---	U	0.410	---	U	0.410	---	U
Maximum Detected Concentration:							0.086	---	=	0.093	---	=	NA	---	---	NA	---	---
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0):							---	---	---	---	---	---	---	---	---	---	---	---
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection):							---	---	---	---	---	---	---	---	---	---	---	---
Number of Sample Results Greater than USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0):							---	---	---	0	---	---	0	---	---	0	---	---
Number of Sample Results Greater than Eco CC:							---	---	---	---	---	---	---	---	---	---	---	---

^a Gray-shaded concentrations exceed the corresponding IAAAP OU-1 ROD RGs protective of an industrial worker ingesting soil (Harza 1998).

^b Concentrations in **bold** exceed the corresponding RSLs (USEPA 2018a) protective of an industrial worker exposed to soil via ingestion, dermal contact, and dust inhalation.

^c Concentrations in *italics* exceed the corresponding Eco CCs calculated for the WBPS.

Notes:

"---" Indicates that there is no comparison value available.

All results and comparison values are in mg/kg.

NA - Maximum detected result is not available because all results reported for the parameter are non-detect.

VQ symbols indicate: “=” positive identification, positive quantitation, no reason to estimate,

“U” non-detect, no reason to estimate, “J” positive identification, estimated quantitation,

“UJ” analyte was not detected and had QC deficiencies.

Table B-4-2. FUSRAP Post-Excavation Soil Characterization Data Remaining for Semivolatile Organic Compounds at the West Burn Pads South of the Road at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	Bis(2-ethylhexyl)phthalate			Butyl benzyl phthalate			Carbazole			Chrysene		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							---	---	---	---	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:							16,000	---	---	120,000	---	---	---	---	---	210,000	---	---
<i>Eco CC^c:</i>							---	---	---	---	---	---	---	---	---	---	---	---
IAAP101777	IAAP101778	693744.6	91817.31	04/24/07	1	2	0.360	0.360	U	0.360	0.360	U	0.360	0.360	U	0.360	0.360	U
IAAP101779	IAAP101779	693749.85	91804.71	04/26/07	0	0.5	0.042	0.042	U	0.042	0.042	U	0.042	0.042	U	0.042	0.042	U
IAAP101779	IAAP101780	693749.85	91804.71	04/26/07	1	2	0.041	0.041	U	0.041	0.041	U	0.041	0.041	U	0.041	0.041	U
IAAP101783	IAAP101783	693783.79	91811.01	04/27/07	0	0.5	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U
IAAP101783	IAAP101784	693783.79	91811.01	04/27/07	1	1.5	0.041	0.041	U	0.041	0.041	U	0.041	0.041	U	0.041	0.041	U
IAAP101785	IAAP101786	693791.14	91840.4	04/24/07	2.2	2.9	0.410	0.410	U	0.410	0.410	U	0.410	0.410	U	0.410	0.410	U
IAAP101787	IAAP101788	693803.39	91834.8	04/27/07	1	1.5	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U
IAAP101789	IAAP101789	693808.99	91818.36	04/26/07	0	0.5	0.039	0.039	U	0.039	0.039	U	0.039	0.039	U	0.039	0.039	U
IAAP101789	IAAP101790	693808.99	91818.36	04/26/07	1	1.5	0.042	0.042	U	0.042	0.042	U	0.042	0.042	U	0.042	0.042	U
IAAP101791	IAAP101791	693802.34	91811.36	04/26/07	0	0.5	0.050	0.050	U	0.050	0.050	U	0.050	0.050	U	0.050	0.050	U
IAAP101791	IAAP101791-1	693802.34	91811.36	04/26/07	0	0.5	0.045	0.045	U	0.045	0.045	U	0.045	0.045	U	0.045	0.045	U
IAAP101791	IAAP101792	693802.34	91811.36	04/26/07	1	1.5	0.042	0.042	U	0.042	0.042	U	0.042	0.042	U	0.042	0.042	U
IAAP101793	IAAP101794	693848.53	91834.8	04/26/07	1	2	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U
IAAP101795	IAAP101796	693868.83	91815.91	04/26/07	1	1.5	0.045	0.045	U	0.045	0.045	U	0.045	0.045	U	0.045	0.045	U
IAAP101819	IAAP101819	694010.45	91852.96	04/26/07	0	0.5	0.038	0.038	U	0.038	0.038	U	0.038	0.038	U	0.038	0.038	U
IAAP101820	IAAP101820	694001.46	91821.27	04/26/07	0	0.5	0.046	0.046	U	0.046	0.046	U	0.046	0.046	U	0.046	0.046	U
IAAP101821	IAAP101821	694047.69	91779	04/26/07	0	0.5	0.042	0.042	U	0.042	0.042	U	0.042	0.042	U	0.042	0.042	U
Maximum Reported Concentration (Detects and Non-Detects):							0.410	---	U	0.410	---	U	0.410	---	U	0.410	---	U
Maximum Detected Concentration:							NA	---	---	NA	---	---	NA	---	---	NA	---	---
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0):							---	---	---	---	---	---	---	---	---	---	---	---
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection):							---	---	---	---	---	---	---	---	---	---	---	---
Number of Sample Results Greater than USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0):							0	---	---	0	---	---	---	---	---	0	---	---
Number of Sample Results Greater than Eco CC:							---	---	---	---	---	---	---	---	---	---	---	---

^a Gray-shaded concentrations exceed the corresponding IAAAP OU-1 ROD RGs protective of an industrial worker ingesting soil (Harza 1998).

^b Concentrations in **bold** exceed the corresponding RSLs (USEPA 2018a) protective of an industrial worker exposed to soil via ingestion, dermal contact, and dust inhalation.

^c Concentrations in *italics* exceed the corresponding Eco CCs calculated for the WBPS.

Notes:

"---" Indicates that there is no comparison value available.

All results and comparison values are in mg/kg.

NA - Maximum detected result is not available because all results reported for the parameter are non-detect.

VQ symbols indicate: “=” positive identification, positive quantitation, no reason to estimate,

“U” non-detect, no reason to estimate, “J” positive identification, estimated quantitation,

“UJ” analyte was not detected and had QC deficiencies.

Table B-4-2. FUSRAP Post-Excavation Soil Characterization Data Remaining for Semivolatile Organic Compounds at the West Burn Pads South of the Road at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	Dibenz(a,h)anthracene			Dibenzofuran			Diethyl phthalate			Dimethyl phthalate			Di-n-butyl phthalate		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							0.81	---	---	---	---	---	---	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:							210	---	---	1,000	---	---	660,000	---	---	---	---	---	82,000	---	---
<i>Eco CC^c:</i>							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
IAAP101777	IAAP101778	693744.6	91817.31	04/24/07	1	2	0.360	0.360	U	0.360	0.360	U	0.360	0.360	UJ	0.360	0.360	U	0.360	0.360	U
IAAP101779	IAAP101779	693749.85	91804.71	04/26/07	0	0.5	0.042	0.042	U	0.042	0.042	U	0.042	0.042	U	0.042	0.042	U	0.042	0.042	U
IAAP101779	IAAP101780	693749.85	91804.71	04/26/07	1	2	0.041	0.041	U	0.041	0.041	U	0.041	0.041	U	0.041	0.041	U	0.041	0.041	U
IAAP101783	IAAP101783	693783.79	91811.01	04/27/07	0	0.5	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U
IAAP101783	IAAP101784	693783.79	91811.01	04/27/07	1	1.5	0.041	0.041	U	0.041	0.041	U	0.041	0.041	U	0.041	0.041	U	0.041	0.041	U
IAAP101785	IAAP101786	693791.14	91840.4	04/24/07	2.2	2.9	0.410	0.410	U	0.410	0.410	U	0.410	0.410	UJ	0.410	0.410	U	0.410	0.410	U
IAAP101787	IAAP101788	693803.39	91834.8	04/27/07	1	1.5	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U
IAAP101789	IAAP101789	693808.99	91818.36	04/26/07	0	0.5	0.039	0.039	U	0.039	0.039	U	0.039	0.039	U	0.039	0.039	U	0.039	0.039	U
IAAP101789	IAAP101790	693808.99	91818.36	04/26/07	1	1.5	0.042	0.042	U	0.042	0.042	U	0.042	0.042	U	0.042	0.042	U	0.042	0.042	U
IAAP101791	IAAP101791	693802.34	91811.36	04/26/07	0	0.5	0.050	0.050	U	0.050	0.050	U	0.050	0.050	U	0.050	0.050	U	0.050	0.050	U
IAAP101791	IAAP101791-1	693802.34	91811.36	04/26/07	0	0.5	0.045	0.045	U	0.045	0.045	U	0.045	0.045	U	0.045	0.045	U	0.045	0.045	U
IAAP101791	IAAP101792	693802.34	91811.36	04/26/07	1	1.5	0.042	0.042	U	0.042	0.042	U	0.042	0.042	U	0.042	0.042	U	0.042	0.042	U
IAAP101793	IAAP101794	693848.53	91834.8	04/26/07	1	2	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U
IAAP101795	IAAP101796	693868.83	91815.91	04/26/07	1	1.5	0.045	0.045	U	0.045	0.045	U	0.045	0.045	U	0.045	0.045	U	0.045	0.045	U
IAAP101819	IAAP101819	694010.45	91852.96	04/26/07	0	0.5	0.038	0.038	U	0.038	0.038	U	0.038	0.038	UJ	0.038	0.038	U	0.038	0.038	U
IAAP101820	IAAP101820	694001.46	91821.27	04/26/07	0	0.5	0.046	0.046	U	0.046	0.046	U	0.046	0.046	UJ	0.046	0.046	U	0.046	0.046	U
IAAP101821	IAAP101821	694047.69	91779	04/26/07	0	0.5	0.042	0.042	U	0.042	0.042	U	0.042	0.042	UJ	0.042	0.042	U	0.042	0.042	U
Maximum Reported Concentration (Detects and Non-Detects):							0.410	---	U	0.410	---	U	0.410	---	UJ	0.410	---	U	0.410	---	U
Maximum Detected Concentration:							NA	---	---	NA	---	---	NA	---	---	NA	---	---	NA	---	---
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0):							0	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection):							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Number of Sample Results Greater than USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0):							0	---	---	0	---	---	0	---	---	---	---	---	0	---	---
Number of Sample Results Greater than Eco CC:							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

^a Gray-shaded concentrations exceed the corresponding IAAAP OU-1 ROD RGs protective of an industrial worker ingesting soil (Harza 1998).

^b Concentrations in **bold** exceed the corresponding RSLs (USEPA 2018a) protective of an industrial worker exposed to soil via ingestion, dermal contact, and dust inhalation.

^c Concentrations in *italics* exceed the corresponding Eco CCs calculated for the WBPS.

Notes:

"---" Indicates that there is no comparison value available.

All results and comparison values are in mg/kg.

NA - Maximum detected result is not available because all results reported for the parameter are non-detect.

VQ symbols indicate: "—" positive identification, positive quantitation, no reason to estimate,

"U" non-detect, no reason to estimate, "J" positive identification, estimated quantitation,

"UJ" analyte was not detected and had QC deficiencies.

Table B-4-2. FUSRAP Post-Excavation Soil Characterization Data Remaining for Semivolatile Organic Compounds at the West Burn Pads South of the Road at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	Di-n-octyl phthalate			Fluoranthene			Fluorene			Hexachlorobenzene		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							---	---	---	---	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:							8,200	---	---	30,000	---	---	30,000	---	---	96	---	---
<i>Eco CC^c:</i>							---	---	---	---	---	---	---	---	---	---	---	---
IAAP101777	IAAP101778	693744.6	91817.31	04/24/07	1	2	0.360	0.360	U	0.043	0.360	=	0.360	0.360	U	0.360	0.360	U
IAAP101779	IAAP101779	693749.85	91804.71	04/26/07	0	0.5	0.019	0.019	U	0.042	0.042	U	0.042	0.042	U	0.042	0.042	U
IAAP101779	IAAP101780	693749.85	91804.71	04/26/07	1	2	0.018	0.018	U	0.041	0.041	U	0.041	0.041	U	0.041	0.041	U
IAAP101783	IAAP101783	693783.79	91811.01	04/27/07	0	0.5	0.019	0.019	U	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U
IAAP101783	IAAP101784	693783.79	91811.01	04/27/07	1	1.5	0.018	0.018	U	0.041	0.041	U	0.041	0.041	U	0.041	0.041	U
IAAP101785	IAAP101786	693791.14	91840.4	04/24/07	2.2	2.9	0.410	0.410	U	0.410	0.410	U	0.410	0.410	U	0.410	0.410	U
IAAP101787	IAAP101788	693803.39	91834.8	04/27/07	1	1.5	0.019	0.019	U	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U
IAAP101789	IAAP101789	693808.99	91818.36	04/26/07	0	0.5	0.017	0.017	U	0.039	0.039	U	0.039	0.039	U	0.039	0.039	U
IAAP101789	IAAP101790	693808.99	91818.36	04/26/07	1	1.5	0.019	0.019	U	0.042	0.042	U	0.042	0.042	U	0.042	0.042	U
IAAP101791	IAAP101791	693802.34	91811.36	04/26/07	0	0.5	0.022	0.022	U	0.050	0.050	U	0.050	0.050	U	0.050	0.050	U
IAAP101791	IAAP101791-1	693802.34	91811.36	04/26/07	0	0.5	0.020	0.020	U	0.045	0.045	U	0.045	0.045	U	0.045	0.045	U
IAAP101791	IAAP101792	693802.34	91811.36	04/26/07	1	1.5	0.019	0.019	U	0.042	0.042	U	0.042	0.042	U	0.042	0.042	U
IAAP101793	IAAP101794	693848.53	91834.8	04/26/07	1	2	0.019	0.019	U	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U
IAAP101795	IAAP101796	693868.83	91815.91	04/26/07	1	1.5	0.020	0.020	U	0.045	0.045	U	0.045	0.045	U	0.045	0.045	U
IAAP101819	IAAP101819	694010.45	91852.96	04/26/07	0	0.5	0.017	0.017	U	0.038	0.038	U	0.038	0.038	U	0.038	0.038	U
IAAP101820	IAAP101820	694001.46	91821.27	04/26/07	0	0.5	0.020	0.020	U	0.046	0.046	U	0.046	0.046	U	0.046	0.046	U
IAAP101821	IAAP101821	694047.69	91779	04/26/07	0	0.5	0.019	0.019	U	0.042	0.042	U	0.042	0.042	U	0.042	0.042	U
Maximum Reported Concentration (Detects and Non-Detects):							0.410	---	U	0.410	---	U	0.410	---	U	0.410	---	U
Maximum Detected Concentration:							NA	---	---	NA	---	---	NA	---	---	NA	---	---
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0):							---	---	---	---	---	---	---	---	---	---	---	---
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection):							---	---	---	---	---	---	---	---	---	---	---	---
Number of Sample Results Greater than USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0):							0	---	---	0	---	---	0	---	---	0	---	---
Number of Sample Results Greater than Eco CC:							---	---	---	---	---	---	---	---	---	---	---	---

^a Gray-shaded concentrations exceed the corresponding IAAAP OU-1 ROD RGs protective of an industrial worker ingesting soil (Harza 1998).

^b Concentrations in **bold** exceed the corresponding RSLs (USEPA 2018a) protective of an industrial worker exposed to soil via ingestion, dermal contact, and dust inhalation.

^c Concentrations in *italics* exceed the corresponding Eco CCs calculated for the WBPS.

Notes:

"---" Indicates that there is no comparison value available.

All results and comparison values are in mg/kg.

NA - Maximum detected result is not available because all results reported for the parameter are non-detect.

VQ symbols indicate: “=” positive identification, positive quantitation, no reason to estimate,

“U” non-detect, no reason to estimate, “J” positive identification, estimated quantitation,

“UJ” analyte was not detected and had QC deficiencies.

Table B-4-2. FUSRAP Post-Excavation Soil Characterization Data Remaining for Semivolatile Organic Compounds at the West Burn Pads South of the Road at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	Hexachlorobutadiene			Hexachlorocyclopentadiene			Hexachloroethane			Indeno(1,2,3-cd)pyrene		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							---	---	---	---	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:							530	---	---	7.5	---	---	800	---	---	2,100	---	---
<i>Eco CC^c:</i>							---	---	---	---	---	---	---	---	---	---	---	---
IAAP101777	IAAP101778	693744.6	91817.31	04/24/07	1	2	0.360	0.360	U	1.700	1.700	U	0.360	0.360	U	0.360	0.360	U
IAAP101779	IAAP101779	693749.85	91804.71	04/26/07	0	0.5	0.042	0.042	U	0.420	0.420	U	0.042	0.042	U	0.042	0.042	U
IAAP101779	IAAP101780	693749.85	91804.71	04/26/07	1	2	0.041	0.041	U	0.410	0.410	U	0.041	0.041	U	0.041	0.041	U
IAAP101783	IAAP101783	693783.79	91811.01	04/27/07	0	0.5	0.043	0.043	U	0.430	0.430	U	0.043	0.043	U	0.043	0.043	U
IAAP101783	IAAP101784	693783.79	91811.01	04/27/07	1	1.5	0.041	0.041	U	0.410	0.410	U	0.041	0.041	U	0.041	0.041	U
IAAP101785	IAAP101786	693791.14	91840.4	04/24/07	2.2	2.9	0.410	0.410	U	2.000	2.000	U	0.410	0.410	U	0.410	0.410	U
IAAP101787	IAAP101788	693803.39	91834.8	04/27/07	1	1.5	0.043	0.043	U	0.430	0.430	U	0.043	0.043	U	0.043	0.043	U
IAAP101789	IAAP101789	693808.99	91818.36	04/26/07	0	0.5	0.039	0.039	U	0.380	0.380	U	0.039	0.039	U	0.039	0.039	U
IAAP101789	IAAP101790	693808.99	91818.36	04/26/07	1	1.5	0.042	0.042	U	0.420	0.420	U	0.042	0.042	U	0.042	0.042	U
IAAP101791	IAAP101791	693802.34	91811.36	04/26/07	0	0.5	0.050	0.050	U	0.500	0.500	U	0.050	0.050	U	0.066	0.050	=
IAAP101791	IAAP101791-1	693802.34	91811.36	04/26/07	0	0.5	0.045	0.045	U	0.450	0.450	U	0.045	0.045	U	0.096	0.045	=
IAAP101791	IAAP101792	693802.34	91811.36	04/26/07	1	1.5	0.042	0.042	U	0.420	0.420	U	0.042	0.042	U	0.042	0.042	U
IAAP101793	IAAP101794	693848.53	91834.8	04/26/07	1	2	0.043	0.043	U	0.430	0.430	U	0.043	0.043	U	0.043	0.043	U
IAAP101795	IAAP101796	693868.83	91815.91	04/26/07	1	1.5	0.045	0.045	U	0.440	0.440	U	0.045	0.045	U	0.045	0.045	U
IAAP101819	IAAP101819	694010.45	91852.96	04/26/07	0	0.5	0.038	0.038	U	0.370	0.370	U	0.038	0.038	U	0.038	0.038	U
IAAP101820	IAAP101820	694001.46	91821.27	04/26/07	0	0.5	0.046	0.046	U	0.450	0.450	U	0.046	0.046	U	0.046	0.046	U
IAAP101821	IAAP101821	694047.69	91779	04/26/07	0	0.5	0.042	0.042	U	0.410	0.410	U	0.042	0.042	U	0.042	0.042	U
Maximum Reported Concentration (Detects and Non-Detects):							0.410	---	U	2.000	---	U	0.410	---	U	0.410	---	U
Maximum Detected Concentration:							NA	---	---	NA	---	---	NA	---	---	0.096	---	=
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0):							---	---	---	---	---	---	---	---	---	---	---	---
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection):							---	---	---	---	---	---	---	---	---	---	---	---
Number of Sample Results Greater than USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0):							0	---	---	0	---	---	0	---	---	0	---	---
Number of Sample Results Greater than Eco CC:							---	---	---	---	---	---	---	---	---	---	---	---

^a Gray-shaded concentrations exceed the corresponding IAAAP OU-1 ROD RGs protective of an industrial worker ingesting soil (Harza 1998).

^b Concentrations in **bold** exceed the corresponding RSLs (USEPA 2018a) protective of an industrial worker exposed to soil via ingestion, dermal contact, and dust inhalation.

^c Concentrations in *italics* exceed the corresponding Eco CCs calculated for the WBPS.

Notes:

"---" Indicates that there is no comparison value available.

All results and comparison values are in mg/kg.

NA - Maximum detected result is not available because all results reported for the parameter are non-detect.

VQ symbols indicate: "—" positive identification, positive quantitation, no reason to estimate,

"U" non-detect, no reason to estimate, "J" positive identification, estimated quantitation,

"UJ" analyte was not detected and had QC deficiencies.

Table B-4-2. FUSRAP Post-Excavation Soil Characterization Data Remaining for Semivolatile Organic Compounds at the West Burn Pads South of the Road at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	Isophorone			Naphthalene			Nitrobenzene			N-Nitroso-di-n-propylamine		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							---	---	---	---	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:							240,000	---	---	17	---	---	2,200	---	---	33	---	---
<i>Eco CC</i> ^c :							---	---	---	---	---	---	---	---	---	---	---	---
IAAP101777	IAAP101778	693744.6	91817.31	04/24/07	1	2	0.360	0.360	U	0.360	0.360	U	0.360	0.360	U	0.360	0.360	U
IAAP101779	IAAP101779	693749.85	91804.71	04/26/07	0	0.5	0.042	0.042	U	0.042	0.042	U	0.042	0.042	U	0.042	0.042	U
IAAP101779	IAAP101780	693749.85	91804.71	04/26/07	1	2	0.041	0.041	U	0.041	0.041	U	0.041	0.041	U	0.041	0.041	U
IAAP101783	IAAP101783	693783.79	91811.01	04/27/07	0	0.5	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U
IAAP101783	IAAP101784	693783.79	91811.01	04/27/07	1	1.5	0.041	0.041	U	0.041	0.041	U	0.041	0.041	U	0.041	0.041	U
IAAP101785	IAAP101786	693791.14	91840.4	04/24/07	2.2	2.9	0.410	0.410	U	0.410	0.410	U	0.410	0.410	U	0.410	0.410	U
IAAP101787	IAAP101788	693803.39	91834.8	04/27/07	1	1.5	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U
IAAP101789	IAAP101789	693808.99	91818.36	04/26/07	0	0.5	0.039	0.039	U	0.039	0.039	U	0.039	0.039	U	0.039	0.039	U
IAAP101789	IAAP101790	693808.99	91818.36	04/26/07	1	1.5	0.042	0.042	U	0.042	0.042	U	0.042	0.042	U	0.042	0.042	U
IAAP101791	IAAP101791	693802.34	91811.36	04/26/07	0	0.5	0.050	0.050	U	0.050	0.050	U	0.050	0.050	U	0.050	0.050	U
IAAP101791	IAAP101791-1	693802.34	91811.36	04/26/07	0	0.5	0.045	0.045	U	0.045	0.045	U	0.045	0.045	U	0.045	0.045	U
IAAP101791	IAAP101792	693802.34	91811.36	04/26/07	1	1.5	0.042	0.042	U	0.042	0.042	U	0.042	0.042	U	0.042	0.042	U
IAAP101793	IAAP101794	693848.53	91834.8	04/26/07	1	2	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U	0.043	0.043	U
IAAP101795	IAAP101796	693868.83	91815.91	04/26/07	1	1.5	0.045	0.045	U	0.045	0.045	U	0.045	0.045	U	0.045	0.045	U
IAAP101819	IAAP101819	694010.45	91852.96	04/26/07	0	0.5	0.038	0.038	U	0.038	0.038	U	0.038	0.038	U	0.038	0.038	U
IAAP101820	IAAP101820	694001.46	91821.27	04/26/07	0	0.5	0.046	0.046	U	0.046	0.046	U	0.046	0.046	U	0.046	0.046	U
IAAP101821	IAAP101821	694047.69	91779	04/26/07	0	0.5	0.042	0.042	U	0.042	0.042	U	0.042	0.042	U	0.042	0.042	U
Maximum Reported Concentration (Detects and Non-Detects):							0.410	---	U	0.410	---	U	0.410	---	U	0.410	---	U
Maximum Detected Concentration:							NA	---	---	NA	---	---	NA	---	---	NA	---	---
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0):							---	---	---	---	---	---	---	---	---	---	---	---
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection):							---	---	---	---	---	---	---	---	---	---	---	---
Number of Sample Results Greater than USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0):							0	---	---	0	---	---	0	---	---	0	---	---
Number of Sample Results Greater than Eco CC:							---	---	---	---	---	---	---	---	---	---	---	---

^a Gray-shaded concentrations exceed the corresponding IAAAP OU-1 ROD RGs protective of an industrial worker ingesting soil (Harza 1998).

^b Concentrations in **bold** exceed the corresponding RSLs (USEPA 2018a) protective of an industrial worker exposed to soil via ingestion, dermal contact, and dust inhalation.

^c Concentrations in *italics* exceed the corresponding Eco CCs calculated for the WBPS.

Notes:

"---" Indicates that there is no comparison value available.

All results and comparison values are in mg/kg.

NA - Maximum detected result is not available because all results reported for the parameter are non-detect.

VQ symbols indicate: "—" positive identification, positive quantitation, no reason to estimate,

"U" non-detect, no reason to estimate, "J" positive identification, estimated quantitation,

"UJ" analyte was not detected and had QC deficiencies.

Table B-4-2. FUSRAP Post-Excavation Soil Characterization Data Remaining for Semivolatile Organic Compounds at the West Burn Pads South of the Road at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	N-Nitrosodiphenylamine			Pentachlorophenol			Phenanthrene			Phenol			Pyrene			
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:							47,000	---	---	400	---	---	---	---	---	250,000	---	---	23,000	---	---	
<i>Eco CC^c:</i>							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
IAAP101777	IAAP101778	693744.6	91817.31	04/24/07	1	2	0.360	0.360	U	1.700	1.700	U	0.054	0.360	=	0.360	0.360	U	0.360	0.360	UJ	
IAAP101779	IAAP101779	693749.85	91804.71	04/26/07	0	0.5	0.042	0.042	U	0.420	0.420	U	0.042	0.042	U	0.042	0.042	U	0.042	0.042	UJ	
IAAP101779	IAAP101780	693749.85	91804.71	04/26/07	1	2	0.041	0.041	U	0.410	0.410	U	0.041	0.041	U	0.041	0.041	U	0.041	0.041	UJ	
IAAP101783	IAAP101783	693783.79	91811.01	04/27/07	0	0.5	0.043	0.043	U	0.430	0.430	U	0.043	0.043	U	0.043	0.043	U	0.043	0.043	UJ	
IAAP101783	IAAP101784	693783.79	91811.01	04/27/07	1	1.5	0.041	0.041	U	0.410	0.410	U	0.041	0.041	U	0.041	0.041	U	0.041	0.041	UJ	
IAAP101785	IAAP101786	693791.14	91840.4	04/24/07	2.2	2.9	0.410	0.410	U	2.000	2.000	U	0.410	0.410	U	0.410	0.410	U	0.410	0.410	UJ	
IAAP101787	IAAP101788	693803.39	91834.8	04/27/07	1	1.5	0.043	0.043	U	0.430	0.430	U	0.043	0.043	U	0.043	0.043	U	0.043	0.043	UJ	
IAAP101789	IAAP101789	693808.99	91818.36	04/26/07	0	0.5	0.039	0.039	U	0.380	0.380	U	0.039	0.039	U	0.039	0.039	U	0.039	0.039	UJ	
IAAP101789	IAAP101790	693808.99	91818.36	04/26/07	1	1.5	0.042	0.042	U	0.420	0.420	U	0.042	0.042	U	0.042	0.042	U	0.042	0.042	UJ	
IAAP101791	IAAP101791	693802.34	91811.36	04/26/07	0	0.5	0.050	0.050	U	0.500	0.500	U	0.050	0.050	U	0.050	0.050	U	0.050	0.050	UJ	
IAAP101791	IAAP101791-1	693802.34	91811.36	04/26/07	0	0.5	0.045	0.045	U	0.450	0.450	U	0.045	0.045	U	0.045	0.045	U	0.045	0.045	UJ	
IAAP101791	IAAP101792	693802.34	91811.36	04/26/07	1	1.5	0.042	0.042	U	0.420	0.420	U	0.042	0.042	U	0.042	0.042	U	0.042	0.042	UJ	
IAAP101793	IAAP101794	693848.53	91834.8	04/26/07	1	2	0.043	0.043	U	0.430	0.430	U	0.043	0.043	U	0.043	0.043	U	0.043	0.043	UJ	
IAAP101795	IAAP101796	693868.83	91815.91	04/26/07	1	1.5	0.045	0.045	U	0.440	0.440	U	0.045	0.045	U	0.045	0.045	U	0.045	0.045	UJ	
IAAP101819	IAAP101819	694010.45	91852.96	04/26/07	0	0.5	0.038	0.038	U	0.370	0.370	U	0.038	0.038	U	0.038	0.038	U	0.038	0.038	U	
IAAP101820	IAAP101820	694001.46	91821.27	04/26/07	0	0.5	0.046	0.046	U	0.450	0.450	U	0.046	0.046	U	0.046	0.046	U	0.046	0.046	U	
IAAP101821	IAAP101821	694047.69	91779	04/26/07	0	0.5	0.042	0.042	U	0.410	0.410	U	0.042	0.042	U	0.042	0.042	U	0.042	0.042	U	
Maximum Reported Concentration (Detects and Non-Detects):							0.410	---	U	2.000	---	U	0.410	---	U	0.410	---	U	0.410	---	UJ	
Maximum Detected Concentration:							NA	---	---	NA	---	---	NA	---	---	NA	---	---	NA	---	---	
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0):							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection):							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Number of Sample Results Greater than USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0):							0	---	---	0	---	---	---	---	---	0	---	---	0	---	---	
Number of Sample Results Greater than Eco CC:							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	

^a Gray-shaded concentrations exceed the corresponding IAAAP OU-1 ROD RGs protective of an industrial worker ingesting soil (Harza 1998).

^b Concentrations in **bold** exceed the corresponding RSLs (USEPA 2018a) protective of an industrial worker exposed to soil via ingestion, dermal contact, and dust inhalation.

^c Concentrations in *italics* exceed the corresponding Eco CCs calculated for the WBPS.

Notes:

"---" Indicates that there is no comparison value available.

All results and comparison values are in mg/kg.

NA - Maximum detected result is not available because all results reported for the parameter are non-detect.

VQ symbols indicate: “=” positive identification, positive quantitation, no reason to estimate,

“U” non-detect, no reason to estimate, “J” positive identification, estimated quantitation,

“UJ” analyte was not detected and had QC deficiencies.

Table B-4-3. FUSRAP Post-Excavation Soil Characterization Data Remaining for Metals at the West Burn Pads South of the Road at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	Aluminum			Antimony			Arsenic			Barium		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^b :							---	---	---	816	---	---	30	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^b :							---	---	---	---	---	---	---	---	---	4,100	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^c :							1,100,000	---	---	470	---	---	300	---	---	220,000	---	---
<i>Eco CC^d</i> :							---	---	---	8,557	---	---	1,150	---	---	18,567	---	---
IAAP101777	IAAP101777	693744.6	91817.31	04/24/07	0	0.5	11,400	7.1	=	0.52	0.38	=	7.20	0.31	=	246	0.57	J
IAAP101777	IAAP101778	693744.6	91817.31	04/24/07	1	2	8,600	6.7	=	1.10	0.36	=	6.90	0.3	=	467	0.54	J
IAAP101779	IAAP101779	693749.85	91804.71	04/26/07	0	0.5	10,500	7.9	=	0.76	0.42	J	7.30	0.35	=	208	0.64	J
IAAP101779	IAAP101780	693749.85	91804.71	04/26/07	1	2	11,200	7.6	=	0.41	0.41	UJ	7.50	0.34	=	297	0.61	J
IAAP101783	IAAP101783	693783.79	91811.01	04/27/07	0	0.5	11,200	8.1	=	0.43	0.43	UJ	7.80	0.36	=	196	0.65	J
IAAP101783	IAAP101784	693783.79	91811.01	04/27/07	1	1.5	14,200	7.6	=	0.41	0.41	UJ	9.00	0.34	=	108	0.61	J
IAAP101785	IAAP101785	693791.14	91840.4	04/24/07	0	0.5	9,510	7.7	=	0.59	0.41	=	7.00	0.34	=	542	0.62	J
IAAP101785	IAAP101786	693791.14	91840.4	04/24/07	2.2	2.9	13,500	7.8	=	0.41	0.41	UJ	9.90	0.34	=	185	0.63	J
IAAP101787	IAAP101787	693803.39	91834.8	04/27/07	0	0.5	14,600	7.8	=	0.42	0.42	UJ	9.00	0.34	=	243	0.63	J
IAAP101787	IAAP101788	693803.39	91834.8	04/27/07	1	1.5	14,400	8	=	0.43	0.43	UJ	9.60	0.36	=	176	0.65	J
IAAP101789	IAAP101789	693808.99	91818.36	04/26/07	0	0.5	7,080	7.2	=	0.39	0.39	UJ	5.20	0.32	=	166	0.58	J
IAAP101789	IAAP101790	693808.99	91818.36	04/26/07	1	1.5	12,700	7.8	=	0.42	0.42	UJ	7.90	0.35	=	154	0.63	J
IAAP101791	IAAP101791	693802.34	91811.36	04/26/07	0	0.5	10,000	9.4	=	0.50	0.5	UJ	12.70	0.42	=	583	0.76	J
IAAP101791	IAAP101791-1	693802.34	91811.36	04/26/07	0	0.5	9,530	8.5	=	0.45	0.45	UJ	9.40	0.37	=	220	0.68	J
IAAP101791	IAAP101792	693802.34	91811.36	04/26/07	1	1.5	18,400	7.8	=	0.42	0.42	UJ	9.70	0.35	=	161	0.63	J
IAAP101793	IAAP101793	693848.53	91834.8	04/26/07	0	0.5	13,900	8.8	=	0.47	0.47	UJ	10.10	0.39	=	245	0.71	J
IAAP101793	IAAP101794	693848.53	91834.8	04/26/07	1	2	17,500	8	=	0.43	0.43	UJ	12.00	0.35	=	176	0.64	J
IAAP101795	IAAP101795	693868.83	91815.91	04/26/07	0	0.5	8,550	8.4	=	0.45	0.45	UJ	7.20	0.37	=	239	0.68	J
IAAP101795	IAAP101796	693868.83	91815.91	04/26/07	1	1.5	18,200	8.3	=	0.44	0.44	UJ	11.70	0.37	=	136	0.67	J
IAAP101807	IAAP101807	693875.32	91851.58	04/25/07	0	0.5	9,420	8.8	=	1.40	0.47	=	7.50	0.39	=	973	0.71	J
IAAP101807	IAAP101808	693875.32	91851.58	04/25/07	1	2	16,600	8	=	0.43	0.43	UJ	11.70	0.35	=	210	0.64	J
IAAP101809	IAAP101809	693841.74	91807.88	04/26/07	0	0.5	9,850	8.5	=	0.45	0.45	U	7.40	0.38	=	384	0.69	=
IAAP101809	IAAP101810	693841.74	91807.88	04/26/07	1	1.5	14,800	7.9	=	0.62	0.42	=	8.30	0.35	=	127	0.64	=
IAAP101811	IAAP101811	693821.51	91779.37	04/26/07	0	0.5	9,870	8.2	=	0.44	0.44	U	7.20	0.36	=	203	0.66	=
IAAP101811	IAAP101812	693821.51	91779.37	04/26/07	0.5	1	8,870	8	=	0.43	0.43	U	6.20	0.35	=	101	0.65	=
IAAP101813	IAAP101813	693782.87	91772.01	04/26/07	0	0.5	11,200	8.3	=	0.44	0.44	U	6.20	0.37	=	162	0.67	=
IAAP101813	IAAP101813-1	693782.87	91772.01	04/26/07	0	0.5	10,900	8.4	=	0.45	0.45	U	6.90	0.37	=	169	0.68	=
IAAP101813	IAAP101814	693782.87	91772.01	04/26/07	1	1.5	16,100	8	=	0.43	0.43	U	8.90	0.35	=	164	0.64	=
IAAP101815	IAAP101815	693753.89	91786.27	04/24/07	0	0.5	10,600	8	=	0.54	0.43	=	6.00	0.36	=	194	0.65	J
IAAP101815	IAAP101816	693753.89	91786.27	04/24/07	0.5	2	15,600	7.7	=	0.41	0.41	UJ	10.50	0.34	=	198	0.63	J
IAAP101817	IAAP101817	693729.97	91755.91	04/26/07	0	0.5	9,990	8.4	=	0.45	0.45	U	7.00	0.37	=	197	0.68	=
IAAP101817	IAAP101818	693729.97	91755.91	04/26/07	1	1.5	12,800	7.9	=	0.42	0.42	U	8.20	0.35	=	173	0.64	=
IAAP101819	IAAP101819	694010.45	91852.96	04/26/07	0	0.5	2,890	7	=	0.38	0.38	UJ	10.40	0.31	=	194	0.57	=
IAAP101820	IAAP101820	694001.46	91821.27	04/26/07	0	0.5	8,140	8.5	=	0.45	0.45	UJ	7.00	0.38	=	336	0.69	=
IAAP101821	IAAP101821	694047.69	91779	04/26/07	0	0.5	4,160	7.8	=	0.68	0.42	J	4.70	0.34	=	510	0.63	=
IAAP101832	IAAP101832	693777.76	91838.34	06/04/07	0	0.5												
IAAP101832	IAAP101833	693777.76	91838.34	06/04/07	2	3												
IAAP101834	IAAP101834	693785.33	91825.17	06/04/07	0	0.5												
IAAP101834	IAAP101835	693785.33	91825.17	06/04/07	2	3												

Table B-4-3. FUSRAP Post-Excavation Soil Characterization Data Remaining for Metals at the West Burn Pads South of the Road at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	Aluminum			Antimony			Arsenic			Barium		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^b :							---	---	---	816	---	---	30	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^b :							---	---	---	---	---	---	---	---	---	4,100	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^c:							1,100,000	---	---	470	---	---	300	---	---	220,000	---	---
<i>Eco CC^d:</i>							---	---	---	<i>8,557</i>	---	---	<i>1,150</i>	---	---	<i>18,567</i>	---	---
IAAP101836	IAAP101836	693796.19	91817.6	06/04/07	0	0.5												
IAAP101836	IAAP101837	693796.19	91817.6	06/04/07	1	2												
IAAP106663	IAAP106663	693797.7	91822.4	11/29/07	0	1			4.40	1.2	UJ	9.10	0.48	=				
IAAP106663	IAAP106664	693797.7	91822.4	11/29/07	1	2			4.30	1.1	UJ	8.90	0.46	=				
IAAP106663	IAAP106665	693797.7	91822.4	11/29/07	2	3			1.10	1.1	UJ	9.40	0.46	=				
IAAP106663	IAAP106666	693797.7	91822.4	11/29/07	3	4			1.20	1.2	UJ	10.70	0.48	=				
IAAP111743	IAAP111743	693781.42	91832.12	09/17/08	0	1			0.72	0.72	UJ	6.80	0.055	=	192	0.037	J	
IAAP111743	IAAP111744	693781.42	91832.12	09/17/08	1	2			0.70	0.7	UJ	7.40	0.053	=	164	0.036	J	
IAAP111743	IAAP111745	693781.42	91832.12	09/17/08	2	2.2			0.72	0.72	UJ	7.70	0.055	=	151	0.037	J	
IAAP111749	IAAP111749	693784.03	91836.8	09/17/08	0	1			0.72	0.72	UJ	12.10	0.055	=	355	0.037	J	
IAAP111749	IAAP111750	693784.03	91836.8	09/17/08	1	2			0.73	0.73	UJ	7.30	0.056	=	194	0.038	J	
IAAP111749	IAAP111751	693784.03	91836.8	09/17/08	2	3			0.73	0.73	UJ	8.50	0.055	=	145	0.037	J	
IAAP111749	IAAP111752	693784.03	91836.8	09/17/08	3	4			1.80	1.8	UJ	13.30	0.14	=	195	0.093	J	
IAAP111749	IAAP111753	693784.03	91836.8	09/17/08	4	5			5.10	5.1	UJ	11.00	0.056	=	176	0.037	J	
IAAP111749	IAAP111754	693784.03	91836.8	09/17/08	5	6			0.77	0.77	UJ	3.90	3.9	U	68.8	0.019	J	
IAAP84233	IAAP84233	693743.71	91820.8	08/24/04	0	0.5						5.80	0.22	=	312	0.83	J	
IAAP84234	IAAP84234	693789.71	91843.8	08/24/04	0	0.5						5.10	0.22	=	499	0.82	J	
IAAP84235	IAAP84235	693804.08	91826.55	08/24/04	0	0.5						7.60	0.23	=	249	0.86	J	
IAAP84236	IAAP84236	693850.08	91796.36	08/24/04	0	0.5						5.40	0.23	=	230	0.84	J	
IAAP84237	IAAP84237	693838.58	91743.18	08/24/04	0	0.5						5.50	0.22	=	143	0.82	J	
Maximum Reported Concentration (Detects and Non-Detects):							18,400	---	=	5.10	---	UJ	13.30	---	=	973	---	J
Maximum Detected Concentration:							18,400	---	=	1.40	---	=	13.30	---	=	973	---	J
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0):							---	---	---	0	---	---	0	---	---	---	---	---
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection):							---	---	---	---	---	---	---	---	---	0	---	---
Number of Sample Results Greater than USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0):							0	---	---	0	---	---	0	---	---	0	---	---
Number of Sample Results Greater than Eco CC:							---	---	---	0	---	---	0	---	---	0	---	---

^a The IAAAP OU-1 ROD RG and RSLs (USEPA 2018a) for industrial soil are presented for chromium are for hexavalent chromium.

^b Gray-shaded concentrations exceed the corresponding IAAAP OU-1 ROD RGs protective of an industrial worker ingesting soil (USACE 1998a).

^c Concentrations in **bold** exceed the corresponding RSLs (USEPA 2018a) protective of an industrial worker exposed to soil via ingestion, dermal contact, and dust inhalation.

^d Concentrations in *italics* exceed the corresponding Eco CCs calculated for the WBPS.

Notes:

"---" Indicates that there is no comparison value available.

All results and comparison values are in mg/kg.

NA - Maximum detected result is not available because all results reported for the parameter are non-detect.

VQ symbols indicate: "=" positive identification, positive quantitation, no reason to estimate, "U" non-detect, no reason to estimate, "J" positive identification, estimated quantitation, "UJ" analyte was not detected and had QC deficiencies.

Table B-4-3. FUSRAP Post-Excavation Soil Characterization Data Remaining for Metals at the West Burn Pads South of the Road at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	Beryllium			Cadmium			Calcium			Chromium ^a		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^b :							5	---	---	1,000	---	---	---	---	---	10,000	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^b :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^c :							2,300	---	---	980	---	---	---	---	---	630	---	---
<i>Eco CC^d</i> :							---	---	---	570	---	---	---	---	---	---	---	---
IAAP101777	IAAP101777	693744.6	91817.31	04/24/07	0	0.5	1.10	0.063	=	0.69	0.15	=	86,400	19.4	=	15.10	0.41	=
IAAP101777	IAAP101778	693744.6	91817.31	04/24/07	1	2	0.55	0.06	=	0.72	0.15	=	84,500	18.4	=	13.50	0.39	=
IAAP101779	IAAP101779	693749.85	91804.71	04/26/07	0	0.5	0.68	0.07	=	0.63	0.17	=	18,100	10.8	=	14.90	0.45	J
IAAP101779	IAAP101780	693749.85	91804.71	04/26/07	1	2	0.72	0.068	=	0.39	0.17	=	37,600	10.5	=	15.40	0.44	J
IAAP101783	IAAP101783	693783.79	91811.01	04/27/07	0	0.5	0.71	0.072	=	0.38	0.18	=	6,740	11.1	=	15.00	0.46	J
IAAP101783	IAAP101784	693783.79	91811.01	04/27/07	1	1.5	0.92	0.068	=	0.24	0.17	=	3,380	10.4	=	17.40	0.44	J
IAAP101785	IAAP101785	693791.14	91840.4	04/24/07	0	0.5	0.60	0.069	=	0.84	0.17	=	42,400	10.6	=	14.00	0.44	=
IAAP101785	IAAP101786	693791.14	91840.4	04/24/07	2.2	2.9	0.79	0.069	=	0.22	0.17	=	5,540	10.6	=	18.00	0.44	=
IAAP101787	IAAP101787	693803.39	91834.8	04/27/07	0	0.5	0.78	0.069	=	0.28	0.17	=	9,760	10.7	=	18.50	0.45	J
IAAP101787	IAAP101788	693803.39	91834.8	04/27/07	1	1.5	0.80	0.072	=	0.18	0.17	=	3,470	11	=	18.10	0.46	J
IAAP101789	IAAP101789	693808.99	91818.36	04/26/07	0	0.5	0.47	0.064	=	0.39	0.16	=	5,080	9.9	=	10.00	0.41	J
IAAP101789	IAAP101790	693808.99	91818.36	04/26/07	1	1.5	0.69	0.07	=	0.17	0.17	U	2,370	10.7	=	18.70	0.45	J
IAAP101791	IAAP101791	693802.34	91811.36	04/26/07	0	0.5	1.80	0.084	=	4.90	0.2	=	7,990	12.9	=	13.40	0.54	J
IAAP101791	IAAP101791-1	693802.34	91811.36	04/26/07	0	0.5	0.85	0.075	=	2.00	0.18	=	3,890	11.6	=	13.60	0.48	J
IAAP101791	IAAP101792	693802.34	91811.36	04/26/07	1	1.5	0.75	0.07	=	0.17	0.17	U	2,380	10.7	=	23.40	0.45	J
IAAP101793	IAAP101793	693848.53	91834.8	04/26/07	0	0.5	0.69	0.079	=	0.35	0.19	=	4,460	12.1	=	17.90	0.51	J
IAAP101793	IAAP101794	693848.53	91834.8	04/26/07	1	2	1.00	0.071	=	0.21	0.17	=	2,790	11	=	21.80	0.46	J
IAAP101795	IAAP101795	693868.83	91815.91	04/26/07	0	0.5	0.55	0.075	=	0.58	0.18	=	3,800	11.5	=	12.80	0.48	J
IAAP101795	IAAP101796	693868.83	91815.91	04/26/07	1	1.5	0.79	0.074	=	0.18	0.18	U	3,430	11.4	=	21.10	0.48	J
IAAP101807	IAAP101807	693875.32	91851.58	04/25/07	0	0.5	0.64	0.079	=	1.10	0.19	=	59,800	12.1	=	17.20	0.51	=
IAAP101807	IAAP101808	693875.32	91851.58	04/25/07	1	2	0.80	0.071	=	0.24	0.17	=	4,100	10.9	=	21.20	0.46	=
IAAP101809	IAAP101809	693841.74	91807.88	04/26/07	0	0.5	0.46	0.076	=	0.25	0.18	=	2,750	11.7	=	13.70	0.49	=
IAAP101809	IAAP101810	693841.74	91807.88	04/26/07	1	1.5	0.53	0.07	=	0.17	0.17	U	2,400	10.8	=	18.00	0.45	=
IAAP101811	IAAP101811	693821.51	91779.37	04/26/07	0	0.5	0.56	0.073	=	0.25	0.18	=	3,190	11.2	=	14.40	0.47	=
IAAP101811	IAAP101812	693821.51	91779.37	04/26/07	0.5	1	0.48	0.071	=	0.17	0.17	U	2,360	11	=	12.80	0.46	=
IAAP101813	IAAP101813	693782.87	91772.01	04/26/07	0	0.5	0.51	0.074	=	0.18	0.18	U	3,240	11.4	=	14.20	0.48	=
IAAP101813	IAAP101813-1	693782.87	91772.01	04/26/07	0	0.5	0.49	0.075	=	0.18	0.18	U	3,590	11.5	=	14.00	0.48	=
IAAP101813	IAAP101814	693782.87	91772.01	04/26/07	1	1.5	0.68	0.071	=	0.17	0.17	U	2,580	10.9	=	20.10	0.46	=
IAAP101815	IAAP101815	693753.89	91786.27	04/24/07	0	0.5	0.64	0.072	=	0.41	0.17	=	4,640	11	=	15.30	0.46	=
IAAP101815	IAAP101816	693753.89	91786.27	04/24/07	0.5	2	0.87	0.069	=	0.19	0.17	=	3,230	10.6	=	20.40	0.44	=
IAAP101817	IAAP101817	693729.97	91755.91	04/26/07	0	0.5	0.44	0.075	=	0.30	0.18	=	20,900	11.5	=	13.60	0.48	=
IAAP101817	IAAP101818	693729.97	91755.91	04/26/07	1	1.5	0.56	0.07	=	0.17	0.17	U	3,320	10.8	=	16.30	0.45	=
IAAP101819	IAAP101819	694010.45	91852.96	04/26/07	0	0.5	0.46	0.063	=	0.20	0.15	=	3,960	9.7	=	5.40	0.4	=
IAAP101820	IAAP101820	694001.46	91821.27	04/26/07	0	0.5	0.59	0.076	=	0.33	0.19	=	11,300	11.7	=	11.90	0.49	=
IAAP101821	IAAP101821	694047.69	91779	04/26/07	0	0.5	0.39	0.069	=	0.22	0.17	=	5,500	10.7	=	7.00	0.45	=
IAAP101832	IAAP101832	693777.76	91838.34	06/04/07	0	0.5												
IAAP101832	IAAP101833	693777.76	91838.34	06/04/07	2	3												
IAAP101834	IAAP101834	693785.33	91825.17	06/04/07	0	0.5												
IAAP101834	IAAP101835	693785.33	91825.17	06/04/07	2	3												

Table B-4-3. FUSRAP Post-Excavation Soil Characterization Data Remaining for Metals at the West Burn Pads South of the Road at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	Beryllium			Cadmium			Calcium			Chromium ^a		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^b :							5	---	---	1,000	---	---	---	---	---	10,000	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^b :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^c :							2,300	---	---	980	---	---	---	---	---	630	---	---
<i>Eco CC</i> ^d :							---	---	---	<i>570</i>	---	---	---	---	---	---	---	---
IAAP101836	IAAP101836	693796.19	91817.6	06/04/07	0	0.5												
IAAP101836	IAAP101837	693796.19	91817.6	06/04/07	1	2												
IAAP106663	IAAP106663	693797.7	91822.4	11/29/07	0	1	0.70	0.13	U	0.16	0.044	J			16.50	0.61	=	
IAAP106663	IAAP106664	693797.7	91822.4	11/29/07	1	2	1.10	0.12	U	0.54	0.042	J			14.50	0.59	=	
IAAP106663	IAAP106665	693797.7	91822.4	11/29/07	2	3	0.80	0.12	U	0.14	0.043	J			18.00	0.6	=	
IAAP106663	IAAP106666	693797.7	91822.4	11/29/07	3	4	0.88	0.13	U	0.09	0.044	J			21.40	0.61	=	
IAAP111743	IAAP111743	693781.42	91832.12	09/17/08	0	1	0.80	0.043	J	0.27	0.011	J			13.10	0.078	J	
IAAP111743	IAAP111744	693781.42	91832.12	09/17/08	1	2	0.77	0.041	J	0.25	0.011	J			16.30	0.075	J	
IAAP111743	IAAP111745	693781.42	91832.12	09/17/08	2	2.2	0.63	0.043	J	0.38	0.011	J			13.60	0.078	J	
IAAP111749	IAAP111749	693784.03	91836.8	09/17/08	0	1	0.89	0.89	U	0.42	0.011	=			14.60	0.19	=	
IAAP111749	IAAP111750	693784.03	91836.8	09/17/08	1	2	0.64	0.64	U	0.14	0.14	U			12.60	0.078	=	
IAAP111749	IAAP111751	693784.03	91836.8	09/17/08	2	3	0.65	0.65	U	0.09	0.089	U			15.00	0.078	=	
IAAP111749	IAAP111752	693784.03	91836.8	09/17/08	3	4	0.98	0.98	U	0.32	0.32	U			19.40	0.19	=	
IAAP111749	IAAP111753	693784.03	91836.8	09/17/08	4	5	0.93	0.93	U	0.29	0.29	U			18.40	0.078	=	
IAAP111749	IAAP111754	693784.03	91836.8	09/17/08	5	6	0.36	0.36	U	0.10	0.099	U			8.70	0.039	=	
IAAP84233	IAAP84233	693743.71	91820.8	08/24/04	0	0.5				0.68	0.028	=			11.40	0.5	=	
IAAP84234	IAAP84234	693789.71	91843.8	08/24/04	0	0.5				1.30	0.027	=			10.10	0.49	=	
IAAP84235	IAAP84235	693804.08	91826.55	08/24/04	0	0.5				0.21	0.029	=			15.80	0.52	=	
IAAP84236	IAAP84236	693850.08	91796.36	08/24/04	0	0.5				0.03	0.028	U			11.10	0.5	=	
IAAP84237	IAAP84237	693838.58	91743.18	08/24/04	0	0.5				0.24	0.027	=			10.30	0.49	=	
Maximum Reported Concentration (Detects and Non-Detects):							1.80	---	=	4.90	---	=	86,400	---	=	23.40	---	J
Maximum Detected Concentration:							1.80	---	=	4.90	---	=	86,400	---	=	23.40	---	J
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0):							0	---	---	0	---	---	---	---	---	0	---	---
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection):							---	---	---	---	---	---	---	---	---	---	---	---
Number of Sample Results Greater than USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0):							0	---	---	0	---	---	---	---	---	0	---	---
Number of Sample Results Greater than Eco CC:							---	---	---	0	---	---	---	---	---	---	---	---

^a The IAAAP OU-1 ROD RG and RSLs (USEPA 2018a) for industrial soil are presented for chromium are for hexavalent chromium.

^b Gray-shaded concentrations exceed the corresponding IAAAP OU-1 ROD RGs protective of an industrial worker ingesting soil (USACE 1998a).

^c Concentrations in **bold** exceed the corresponding RSLs (USEPA 2018a) protective of an industrial worker exposed to soil via ingestion, dermal contact, and dust inhalation.

^d Concentrations in *italics* exceed the corresponding Eco CCs calculated for the WBPS.

Notes:

"---" Indicates that there is no comparison value available.

All results and comparison values are in mg/kg.

NA - Maximum detected result is not available because all results reported for the parameter are non-detect.

VQ symbols indicate: "=" positive identification, positive quantitation, no reason to estimate, "U" non-detect, no reason to estimate, "J" positive identification, estimated quantitation, "UJ" analyte was not detected and had QC deficiencies.

Table B-4-3. FUSRAP Post-Excavation Soil Characterization Data Remaining for Metals at the West Burn Pads South of the Road at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	Cobalt			Copper			Iron			Lead		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^b :							---	---	---	---	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^b :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^c :							350	---	---	47,000	---	---	820,000	---	---	800	---	---
<i>Eco CC^d</i> :							<i>5,476</i>	---	---	<i>2,445</i>	---	---	---	---	---	<i>86,253</i>	---	---
IAAP101777	IAAP101777	693744.6	91817.31	04/24/07	0	0.5	6.50	0.57	=	69.30	0.34	=	17,900	2.8	=	49.80	0.17	=
IAAP101777	IAAP101778	693744.6	91817.31	04/24/07	1	2	6.40	0.54	=	124.00	0.33	=	13,000	2.6	=	75.80	0.16	=
IAAP101779	IAAP101779	693749.85	91804.71	04/26/07	0	0.5	7.70	0.64	=	18.20	0.38	=	17,000	3.1	J	52.10	0.19	J
IAAP101779	IAAP101780	693749.85	91804.71	04/26/07	1	2	8.30	0.61	=	20.70	0.37	=	16,100	3	J	39.40	0.18	J
IAAP101783	IAAP101783	693783.79	91811.01	04/27/07	0	0.5	8.20	0.65	=	15.60	0.39	=	16,800	3.1	J	39.40	0.2	J
IAAP101783	IAAP101784	693783.79	91811.01	04/27/07	1	1.5	9.80	0.61	=	12.00	0.37	=	21,400	3	J	18.20	0.18	J
IAAP101785	IAAP101785	693791.14	91840.4	04/24/07	0	0.5	9.60	0.62	=	18.80	0.37	=	15,500	3	=	141.00	0.19	=
IAAP101785	IAAP101786	693791.14	91840.4	04/24/07	2.2	2.9	13.00	0.63	=	15.50	0.38	=	19,900	3	=	22.60	0.19	=
IAAP101787	IAAP101787	693803.39	91834.8	04/27/07	0	0.5	8.40	0.63	=	15.10	0.38	=	20,400	3	J	25.60	0.19	J
IAAP101787	IAAP101788	693803.39	91834.8	04/27/07	1	1.5	11.80	0.65	=	14.80	0.39	=	20,300	3.1	J	16.60	0.19	J
IAAP101789	IAAP101789	693808.99	91818.36	04/26/07	0	0.5	7.50	0.58	=	14.90	0.35	=	11,600	2.8	J	41.60	0.18	J
IAAP101789	IAAP101790	693808.99	91818.36	04/26/07	1	1.5	11.20	0.63	=	13.10	0.38	=	17,600	3	J	14.10	0.19	J
IAAP101791	IAAP101791	693802.34	91811.36	04/26/07	0	0.5	9.00	0.76	=	18.00	0.46	=	28,000	3.6	J	85.50	0.23	J
IAAP101791	IAAP101791-1	693802.34	91811.36	04/26/07	0	0.5	12.90	0.68	=	12.10	0.41	=	19,400	3.3	J	41.90	0.2	J
IAAP101791	IAAP101792	693802.34	91811.36	04/26/07	1	1.5	12.30	0.63	=	14.00	0.38	=	25,400	3	J	21.90	0.19	J
IAAP101793	IAAP101793	693848.53	91834.8	04/26/07	0	0.5	12.00	0.71	=	20.20	0.43	=	20,400	3.4	J	37.50	0.21	J
IAAP101793	IAAP101794	693848.53	91834.8	04/26/07	1	2	9.40	0.64	=	20.70	0.39	=	26,700	3.1	J	14.40	0.19	J
IAAP101795	IAAP101795	693868.83	91815.91	04/26/07	0	0.5	10.40	0.68	=	15.10	0.41	=	14,400	3.3	J	34.40	0.2	J
IAAP101795	IAAP101796	693868.83	91815.91	04/26/07	1	1.5	10.80	0.67	=	18.50	0.4	=	25,100	3.2	J	16.50	0.2	J
IAAP101807	IAAP101807	693875.32	91851.58	04/25/07	0	0.5	7.20	0.71	=	81.40	0.43	=	14,400	3.4	=	78.00	0.21	=
IAAP101807	IAAP101808	693875.32	91851.58	04/25/07	1	2	6.80	0.64	=	19.30	0.39	=	24,300	3.1	=	15.80	0.19	=
IAAP101809	IAAP101809	693841.74	91807.88	04/26/07	0	0.5	11.00	0.69	=	16.30	0.41	=	14,800	3.3	=	23.20	0.21	=
IAAP101809	IAAP101810	693841.74	91807.88	04/26/07	1	1.5	9.00	0.64	=	15.40	0.38	=	20,300	3.1	=	12.50	0.19	=
IAAP101811	IAAP101811	693821.51	91779.37	04/26/07	0	0.5	8.00	0.66	=	12.80	0.4	=	16,100	3.2	=	22.30	0.2	=
IAAP101811	IAAP101812	693821.51	91779.37	04/26/07	0.5	1	9.40	0.65	=	8.90	0.39	=	15,100	3.1	=	13.10	0.19	=
IAAP101813	IAAP101813	693782.87	91772.01	04/26/07	0	0.5	7.50	0.67	=	11.30	0.4	=	15,500	3.2	=	18.30	0.2	=
IAAP101813	IAAP101813-1	693782.87	91772.01	04/26/07	0	0.5	8.40	0.68	=	11.60	0.41	=	15,500	3.3	=	26.60	0.2	=
IAAP101813	IAAP101814	693782.87	91772.01	04/26/07	1	1.5	11.70	0.64	=	11.90	0.39	=	21,500	3.1	=	16.30	0.19	=
IAAP101815	IAAP101815	693753.89	91786.27	04/24/07	0	0.5	5.70	0.65	=	13.10	0.39	=	14,300	3.1	=	28.10	0.19	=
IAAP101815	IAAP101816	693753.89	91786.27	04/24/07	0.5	2	27.90	0.63	=	13.50	0.38	=	23,400	3	=	21.50	0.19	=
IAAP101817	IAAP101817	693729.97	91755.91	04/26/07	0	0.5	12.40	0.68	=	11.30	0.41	=	14,900	3.3	=	24.60	0.2	=
IAAP101817	IAAP101818	693729.97	91755.91	04/26/07	1	1.5	10.70	0.64	=	10.90	0.38	=	17,900	3.1	=	14.20	0.19	=
IAAP101819	IAAP101819	694010.45	91852.96	04/26/07	0	0.5	7.00	0.57	=	4.50	0.34	=	13,300	2.7	=	13.40	0.17	=
IAAP101820	IAAP101820	694001.46	91821.27	04/26/07	0	0.5	8.40	0.69	=	10.40	0.41	=	15,100	3.3	=	14.30	0.21	=
IAAP101821	IAAP101821	694047.69	91779	04/26/07	0	0.5	5.50	0.63	=	8.40	0.38	=	9,090	3	=	16.30	0.19	=
IAAP101832	IAAP101832	693777.76	91838.34	06/04/07	0	0.5										17.00	0.2	=
IAAP101832	IAAP101833	693777.76	91838.34	06/04/07	2	3										35.00	0.17	=
IAAP101834	IAAP101834	693785.33	91825.17	06/04/07	0	0.5										18.00	0.18	=
IAAP101834	IAAP101835	693785.33	91825.17	06/04/07	2	3										28.00	0.19	=

Table B-4-3. FUSRAP Post-Excavation Soil Characterization Data Remaining for Metals at the West Burn Pads South of the Road at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	Cobalt			Copper			Iron			Lead		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^b :							---	---	---	---	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^b :							---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^c:							350	---	---	47,000	---	---	820,000	---	---	800	---	---
<i>Eco CC^d:</i>							<i>5,476</i>	---	---	<i>2,445</i>	---	---	---	---	---	<i>86,253</i>	---	---
IAAP101836	IAAP101836	693796.19	91817.6	06/04/07	0	0.5									35.00	0.2	=	
IAAP101836	IAAP101837	693796.19	91817.6	06/04/07	1	2									30.00	0.18	=	
IAAP106663	IAAP106663	693797.7	91822.4	11/29/07	0	1									51.90	0.6	J	
IAAP106663	IAAP106664	693797.7	91822.4	11/29/07	1	2									58.40	0.57	J	
IAAP106663	IAAP106665	693797.7	91822.4	11/29/07	2	3									27.60	0.58	J	
IAAP106663	IAAP106666	693797.7	91822.4	11/29/07	3	4									12.70	0.6	J	
IAAP111743	IAAP111743	693781.42	91832.12	09/17/08	0	1	6.30	0.24	J	14.10	0.1	=			117.00	0.44	J	
IAAP111743	IAAP111744	693781.42	91832.12	09/17/08	1	2	8.30	0.23	J	11.40	0.097	J			89.00	0.42	J	
IAAP111743	IAAP111745	693781.42	91832.12	09/17/08	2	2.2	6.20	0.24	J	13.70	0.1	=			205.00	0.43	J	
IAAP111749	IAAP111749	693784.03	91836.8	09/17/08	0	1	44.20	0.24	J	15.20	0.1	=			49.70	0.43	J	
IAAP111749	IAAP111750	693784.03	91836.8	09/17/08	1	2	9.20	0.24	J	11.60	0.1	=			15.90	0.44	J	
IAAP111749	IAAP111751	693784.03	91836.8	09/17/08	2	3	7.90	0.24	J	12.90	0.1	J			11.90	0.44	J	
IAAP111749	IAAP111752	693784.03	91836.8	09/17/08	3	4	15.00	0.59	J	18.50	0.25	=			19.50	1.1	J	
IAAP111749	IAAP111753	693784.03	91836.8	09/17/08	4	5	12.90	0.24	J	18.50	0.1	=			17.10	0.44	J	
IAAP111749	IAAP111754	693784.03	91836.8	09/17/08	5	6	4.50	0.12	J	7.30	0.051	=			6.00	0.22	J	
IAAP84233	IAAP84233	693743.71	91820.8	08/24/04	0	0.5									69.90	0.25	=	
IAAP84234	IAAP84234	693789.71	91843.8	08/24/04	0	0.5									92.80	0.25	=	
IAAP84235	IAAP84235	693804.08	91826.55	08/24/04	0	0.5									71.10	0.26	=	
IAAP84236	IAAP84236	693850.08	91796.36	08/24/04	0	0.5									19.80	0.25	=	
IAAP84237	IAAP84237	693838.58	91743.18	08/24/04	0	0.5									23.90	0.25	=	
Maximum Reported Concentration (Detects and Non-Detects):							44.20	---	J	124.00	---	=	28,000	---	J	205.00	---	J
Maximum Detected Concentration:							44.20	---	J	124.00	---	=	28,000	---	J	205.00	---	J
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0):							---	---	---	---	---	---	---	---	---	0	---	---
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection):							---	---	---	---	---	---	---	---	---	---	---	---
Number of Sample Results Greater than USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0):							0	---	---	0	---	---	0	---	---	0	---	---
Number of Sample Results Greater than Eco CC:							0	---	---	0	---	---	---	---	---	0	---	---

^a The IAAAP OU-1 ROD RG and RSLs (USEPA 2018a) for industrial soil are presented for chromium are for hexavalent chromium.

^b Gray-shaded concentrations exceed the corresponding IAAAP OU-1 ROD RGs protective of an industrial worker ingesting soil (USACE 1998a).

^c Concentrations in **bold** exceed the corresponding RSLs (USEPA 2018a) protective of an industrial worker exposed to soil via ingestion, dermal contact, and dust inhalation.

^d Concentrations in *italics* exceed the corresponding Eco CCs calculated for the WBPS.

Notes:

"---" Indicates that there is no comparison value available.

All results and comparison values are in mg/kg.

NA - Maximum detected result is not available because all results reported for the parameter are non-detect.

VQ symbols indicate: "=" positive identification, positive quantitation, no reason to estimate, "U" non-detect,

no reason to estimate, "J" positive identification, estimated quantitation, "UJ" analyte was not detected and had QC deficiencies.

Table B-4-3. FUSRAP Post-Excavation Soil Characterization Data Remaining for Metals at the West Burn Pads South of the Road at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	Magnesium			Manganese			Mercury			Nickel			
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^b :							---	---	---	---	---	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^b :							---	---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^c :							---	---	---	26,000	---	---	46	---	---	22,000	---	---	
<i>Eco CC^d</i> :							---	---	---	162,010	---	---	13.7	---	---	22,818	---	---	
IAAP101777	IAAP101777	693744.6	91817.31	04/24/07	0	0.5	6,690	13.9	J	562	0.11	J	0.09	0.0076	J	14.70	0.86	=	
IAAP101777	IAAP101778	693744.6	91817.31	04/24/07	1	2	7,310	13.1	J	599	0.11	J	0.11	0.0072	J	14.00	0.82	=	
IAAP101779	IAAP101779	693749.85	91804.71	04/26/07	0	0.5	2,770	15.4	J	545	0.13	J	0.05	0.0085	=	14.80	0.96	=	
IAAP101779	IAAP101780	693749.85	91804.71	04/26/07	1	2	4,570	14.9	J	632	0.12	J	0.04	0.0082	=	16.20	0.93	=	
IAAP101783	IAAP101783	693783.79	91811.01	04/27/07	0	0.5	2,420	15.8	J	481	0.13	J	0.05	0.0087	=	16.40	0.98	=	
IAAP101783	IAAP101784	693783.79	91811.01	04/27/07	1	1.5	2,240	14.9	J	728	0.12	J	0.04	0.0082	=	15.10	0.93	=	
IAAP101785	IAAP101785	693791.14	91840.4	04/24/07	0	0.5	5,230	15.1	J	792	0.12	J	0.13	0.0083	J	14.50	0.94	=	
IAAP101785	IAAP101786	693791.14	91840.4	04/24/07	2.2	2.9	3,020	15.2	J	911	0.13	J	0.03	0.0084	J	19.10	0.94	=	
IAAP101787	IAAP101787	693803.39	91834.8	04/27/07	0	0.5	3,300	15.2	J	525	0.13	J	0.04	0.0084	=	17.80	0.95	=	
IAAP101787	IAAP101788	693803.39	91834.8	04/27/07	1	1.5	3,180	15.7	J	722	0.13	J	0.02	0.0087	=	19.10	0.98	=	
IAAP101789	IAAP101789	693808.99	91818.36	04/26/07	0	0.5	1,860	14.1	J	720	0.12	J	0.05	0.0078	=	11.10	0.88	=	
IAAP101789	IAAP101790	693808.99	91818.36	04/26/07	1	1.5	2,720	15.3	J	523	0.13	J	0.01	0.0084	=	16.80	0.95	=	
IAAP101791	IAAP101791	693802.34	91811.36	04/26/07	0	0.5	1,720	18.3	J	1,060	0.15	J	0.05	0.01	=	14.50	1.1	=	
IAAP101791	IAAP101791-1	693802.34	91811.36	04/26/07	0	0.5	1,880	16.5	J	1,080	0.14	J	0.02	0.0091	=	14.50	1	=	
IAAP101791	IAAP101792	693802.34	91811.36	04/26/07	1	1.5	3,210	15.3	J	385	0.13	J	0.01	0.0084	=	19.60	0.95	=	
IAAP101793	IAAP101793	693848.53	91834.8	04/26/07	0	0.5	3,020	17.3	J	657	0.14	J	0.13	0.0095	=	19.00	1.1	=	
IAAP101793	IAAP101794	693848.53	91834.8	04/26/07	1	2	4,350	15.6	J	535	0.13	J	0.02	0.0086	=	23.60	0.97	=	
IAAP101795	IAAP101795	693868.83	91815.91	04/26/07	0	0.5	1,940	16.4	J	816	0.14	J	0.09	0.0091	=	13.60	1	=	
IAAP101795	IAAP101796	693868.83	91815.91	04/26/07	1	1.5	3,610	16.3	J	428	0.13	J	0.02	0.009	=	18.60	1	=	
IAAP101807	IAAP101807	693875.32	91851.58	04/25/07	0	0.5	5,660	17.3	J	695	0.14	J	0.40	0.0095	J	16.90	1.1	=	
IAAP101807	IAAP101808	693875.32	91851.58	04/25/07	1	2	2,990	15.6	J	377	0.13	J	0.03	0.0086	J	18.00	0.97	=	
IAAP101809	IAAP101809	693841.74	91807.88	04/26/07	0	0.5	2,060	16.6	=	889	0.14	=	0.06	0.0092	=	14.80	1	=	
IAAP101809	IAAP101810	693841.74	91807.88	04/26/07	1	1.5	3,090	15.5	=	300	0.13	=	0.03	0.0085	=	15.20	0.96	=	
IAAP101811	IAAP101811	693821.51	91779.37	04/26/07	0	0.5	1,680	16	=	740	0.13	=	0.04	0.0088	=	12.30	0.99	=	
IAAP101811	IAAP101812	693821.51	91779.37	04/26/07	0.5	1	1,410	15.7	=	620	0.13	=	0.03	0.0086	=	9.50	0.98	=	
IAAP101813	IAAP101813	693782.87	91772.01	04/26/07	0	0.5	2,050	16.3	=	652	0.13	=	0.03	0.009	=	12.10	1	=	
IAAP101813	IAAP101813-1	693782.87	91772.01	04/26/07	0	0.5	2,040	16.4	=	788	0.14	=	0.06	0.009	=	12.60	1	=	
IAAP101813	IAAP101814	693782.87	91772.01	04/26/07	1	1.5	2,690	15.6	=	834	0.13	=	0.02	0.0086	=	15.40	0.97	=	
IAAP101815	IAAP101815	693753.89	91786.27	04/24/07	0	0.5	2,080	15.7	J	468	0.13	J	0.04	0.0087	J	12.80	0.98	=	
IAAP101815	IAAP101816	693753.89	91786.27	04/24/07	0.5	2	2,770	15.2	J	1,330	0.13	J	0.01	0.0084	UJ	17.40	0.94	=	
IAAP101817	IAAP101817	693729.97	91755.91	04/26/07	0	0.5	5,220	16.4	=	1,300	0.14	=	0.05	0.0091	=	14.60	1	=	
IAAP101817	IAAP101818	693729.97	91755.91	04/26/07	1	1.5	2,550	15.4	=	909	0.13	=	0.02	0.0085	=	15.10	0.96	=	
IAAP101819	IAAP101819	694010.45	91852.96	04/26/07	0	0.5	848	13.8	=	488	0.11	=	0.01	0.0076	U	7.20	0.86	=	
IAAP101820	IAAP101820	694001.46	91821.27	04/26/07	0	0.5	2,770	16.7	=	800	0.14	=	0.01	0.0092	=	16.20	1	=	
IAAP101821	IAAP101821	694047.69	91779	04/26/07	0	0.5	1,190	15.2	=	407	0.13	=	0.02	0.0084	=	8.80	0.95	=	
IAAP101832	IAAP101832	693777.76	91838.34	06/04/07	0	0.5													
IAAP101832	IAAP101833	693777.76	91838.34	06/04/07	2	3													
IAAP101834	IAAP101834	693785.33	91825.17	06/04/07	0	0.5													
IAAP101834	IAAP101835	693785.33	91825.17	06/04/07	2	3													

Table B-4-3. FUSRAP Post-Excavation Soil Characterization Data Remaining for Metals at the West Burn Pads South of the Road at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	Magnesium			Manganese			Mercury			Nickel			
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^b :							---	---	---	---	---	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^b :							---	---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^c:							---	---	---	26,000	---	---	46	---	---	22,000	---	---	---
<i>Eco CC^d:</i>							---	---	---	<i>162,010</i>	---	---	<i>13.7</i>	---	---	<i>22,818</i>	---	---	---
IAAP101836	IAAP101836	693796.19	91817.6	06/04/07	0	0.5													
IAAP101836	IAAP101837	693796.19	91817.6	06/04/07	1	2													
IAAP106663	IAAP106663	693797.7	91822.4	11/29/07	0	1													
IAAP106663	IAAP106664	693797.7	91822.4	11/29/07	1	2													
IAAP106663	IAAP106665	693797.7	91822.4	11/29/07	2	3													
IAAP106663	IAAP106666	693797.7	91822.4	11/29/07	3	4													
IAAP111743	IAAP111743	693781.42	91832.12	09/17/08	0	1			396	0.039	J	0.17	0.0025	=	15.30	0.057	J		
IAAP111743	IAAP111744	693781.42	91832.12	09/17/08	1	2			428	0.038	J	0.02	0.0024	=	15.10	0.055	J		
IAAP111743	IAAP111745	693781.42	91832.12	09/17/08	2	2.2			444	0.039	J	0.08	0.0025	=	15.50	0.057	J		
IAAP111749	IAAP111749	693784.03	91836.8	09/17/08	0	1			3,250	0.097	=	0.03	0.0025	=	27.60	0.057	J		
IAAP111749	IAAP111750	693784.03	91836.8	09/17/08	1	2			882	0.039	=	0.03	0.0026	=	13.10	0.057	J		
IAAP111749	IAAP111751	693784.03	91836.8	09/17/08	2	3			577	0.039	=	0.01	0.0025	=	15.90	0.057	J		
IAAP111749	IAAP111752	693784.03	91836.8	09/17/08	3	4			1,300	0.097	=	0.06	0.0025	=	33.40	0.14	J		
IAAP111749	IAAP111753	693784.03	91836.8	09/17/08	4	5			1,020	0.039	=	0.05	0.0026	=	28.20	0.057	J		
IAAP111749	IAAP111754	693784.03	91836.8	09/17/08	5	6			293	0.02	=	0.03	0.0027	=	10.60	0.029	J		
IAAP84233	IAAP84233	693743.71	91820.8	08/24/04	0	0.5						0.06	0.021	=					
IAAP84234	IAAP84234	693789.71	91843.8	08/24/04	0	0.5						0.13	0.021	=					
IAAP84235	IAAP84235	693804.08	91826.55	08/24/04	0	0.5						0.11	0.022	=					
IAAP84236	IAAP84236	693850.08	91796.36	08/24/04	0	0.5						0.06	0.021	=					
IAAP84237	IAAP84237	693838.58	91743.18	08/24/04	0	0.5						0.08	0.021	=					
Maximum Reported Concentration (Detects and Non-Detects):							7,310	---	J	3,250	---	=	0.40	---	J	33.40	---	J	
Maximum Detected Concentration:							7,310	---	J	3,250	---	=	0.40	---	J	33.40	---	J	
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0):							---	---	---	---	---	---	---	---	---	---	---	---	---
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection):							---	---	---	---	---	---	---	---	---	---	---	---	---
Number of Sample Results Greater than USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0):							---	---	---	0	---	---	0	---	---	0	---	---	---
Number of Sample Results Greater than Eco CC:							---	---	---	0	---	---	0	---	---	0	---	---	---

^a The IAAAP OU-1 ROD RG and RSLs (USEPA 2018a) for industrial soil are presented for chromium are for hexavalent chromium.

^b Gray-shaded concentrations exceed the corresponding IAAAP OU-1 ROD RGs protective of an industrial worker ingesting soil (USACE 1998a).

^c Concentrations in **bold** exceed the corresponding RSLs (USEPA 2018a) protective of an industrial worker exposed to soil via ingestion, dermal contact, and dust inhalation.

^d Concentrations in *italics* exceed the corresponding Eco CCs calculated for the WBPS.

Notes:

"---" Indicates that there is no comparison value available.

All results and comparison values are in mg/kg.

NA - Maximum detected result is not available because all results reported for the parameter are non-detect.

VQ symbols indicate: "=" positive identification, positive quantitation, no reason to estimate, "U" non-detect, no reason to estimate, "J" positive identification, estimated quantitation, "UJ" analyte was not detected and had QC deficiencies.

Table B-4-3. FUSRAP Post-Excavation Soil Characterization Data Remaining for Metals at the West Burn Pads South of the Road at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	Potassium			Selenium			Silver			Sodium			
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^b :							---	---	---	---	---	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^b :							---	---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^c :							---	---	---	5,800	---	---	5,800	---	---	---	---	---	---
<i>Eco CC^d</i> :							---	---	---	11.9	---	---	676	---	---	---	---	---	---
IAAP101777	IAAP101777	693744.6	91817.31	04/24/07	0	0.5	1,580	57.2	=	0.20	0.2	U	0.23	0.22	J	171.00	11.4	=	
IAAP101777	IAAP101778	693744.6	91817.31	04/24/07	1	2	1,140	54.1	=	0.24	0.19	=	1.10	0.21	J	60.20	10.8	=	
IAAP101779	IAAP101779	693749.85	91804.71	04/26/07	0	0.5	1,600	63.5	=	0.39	0.22	=	0.25	0.25	U	38.80	12.7	=	
IAAP101779	IAAP101780	693749.85	91804.71	04/26/07	1	2	1,090	61.5	=	0.32	0.21	=	0.24	0.24	U	57.70	12.3	=	
IAAP101783	IAAP101783	693783.79	91811.01	04/27/07	0	0.5	1,740	65.1	=	0.35	0.22	=	0.25	0.25	U	24.50	13	=	
IAAP101783	IAAP101784	693783.79	91811.01	04/27/07	1	1.5	1,560	61.4	=	0.21	0.21	U	0.24	0.24	U	36.70	12.3	=	
IAAP101785	IAAP101785	693791.14	91840.4	04/24/07	0	0.5	1,810	62.2	=	0.21	0.21	U	0.30	0.24	J	38.90	12.4	=	
IAAP101785	IAAP101786	693791.14	91840.4	04/24/07	2.2	2.9	1,530	62.5	=	0.22	0.22	U	0.24	0.24	UJ	23.40	12.5	=	
IAAP101787	IAAP101787	693803.39	91834.8	04/27/07	0	0.5	1,760	62.8	=	0.33	0.22	=	0.25	0.25	U	26.10	12.6	=	
IAAP101787	IAAP101788	693803.39	91834.8	04/27/07	1	1.5	1,480	64.8	=	0.57	0.22	=	0.25	0.25	U	36.40	13	=	
IAAP101789	IAAP101789	693808.99	91818.36	04/26/07	0	0.5	1,110	58.2	=	0.25	0.2	=	0.23	0.23	U	24.50	11.6	=	
IAAP101789	IAAP101790	693808.99	91818.36	04/26/07	1	1.5	1,180	63	=	0.22	0.22	U	0.25	0.25	U	67.10	12.6	=	
IAAP101791	IAAP101791	693802.34	91811.36	04/26/07	0	0.5	1,550	75.6	=	0.26	0.26	U	0.30	0.3	U	141.00	15.1	=	
IAAP101791	IAAP101791-1	693802.34	91811.36	04/26/07	0	0.5	1,660	68.2	=	0.41	0.24	=	0.27	0.27	U	53.20	13.6	=	
IAAP101791	IAAP101792	693802.34	91811.36	04/26/07	1	1.5	1,290	63	=	0.24	0.22	=	0.25	0.25	U	66.90	12.6	=	
IAAP101793	IAAP101793	693848.53	91834.8	04/26/07	0	0.5	1,630	71.2	=	0.31	0.25	=	0.35	0.28	=	23.10	14.2	=	
IAAP101793	IAAP101794	693848.53	91834.8	04/26/07	1	2	1,170	64.4	=	0.22	0.22	U	0.25	0.25	U	54.40	12.9	=	
IAAP101795	IAAP101795	693868.83	91815.91	04/26/07	0	0.5	1,860	67.7	=	0.23	0.23	U	0.26	0.26	U	21.20	13.5	=	
IAAP101795	IAAP101796	693868.83	91815.91	04/26/07	1	1.5	1,440	67	=	0.23	0.23	U	0.26	0.26	U	31.90	13.4	=	
IAAP101807	IAAP101807	693875.32	91851.58	04/25/07	0	0.5	1,590	71.3	=	0.36	0.25	=	2.40	0.28	J	40.40	14.3	=	
IAAP101807	IAAP101808	693875.32	91851.58	04/25/07	1	2	1,080	64.3	=	0.22	0.22	U	0.25	0.25	UJ	26.10	12.9	=	
IAAP101809	IAAP101809	693841.74	91807.88	04/26/07	0	0.5	1,260	68.5	=	0.24	0.24	U	0.27	0.27	U	24.80	13.7	=	
IAAP101809	IAAP101810	693841.74	91807.88	04/26/07	1	1.5	1,040	63.7	=	0.22	0.22	U	0.25	0.25	U	46.10	12.8	=	
IAAP101811	IAAP101811	693821.51	91779.37	04/26/07	0	0.5	1,350	65.9	=	0.23	0.23	U	0.26	0.26	U	23.40	13.2	=	
IAAP101811	IAAP101812	693821.51	91779.37	04/26/07	0.5	1	865	64.6	=	0.22	0.22	U	0.25	0.25	U	29.20	12.9	=	
IAAP101813	IAAP101813	693782.87	91772.01	04/26/07	0	0.5	1,640	67	=	0.23	0.23	U	0.26	0.26	U	15.20	13.4	=	
IAAP101813	IAAP101813-1	693782.87	91772.01	04/26/07	0	0.5	1,720	67.7	=	0.23	0.23	U	0.26	0.26	U	17.40	13.5	=	
IAAP101813	IAAP101814	693782.87	91772.01	04/26/07	1	1.5	1,400	64.4	=	0.44	0.22	=	0.25	0.25	U	22.90	12.9	=	
IAAP101815	IAAP101815	693753.89	91786.27	04/24/07	0	0.5	1,370	64.8	=	0.43	0.22	=	0.25	0.25	UJ	15.50	13	=	
IAAP101815	IAAP101816	693753.89	91786.27	04/24/07	0.5	2	1,430	62.5	=	0.23	0.22	=	0.24	0.24	UJ	20.20	12.5	=	
IAAP101817	IAAP101817	693729.97	91755.91	04/26/07	0	0.5	2,110	67.8	=	0.23	0.23	U	0.92	0.26	=	28.90	13.6	=	
IAAP101817	IAAP101818	693729.97	91755.91	04/26/07	1	1.5	1,600	63.5	=	0.22	0.22	U	0.25	0.25	U	17.10	12.7	=	
IAAP101819	IAAP101819	694010.45	91852.96	04/26/07	0	0.5	402	56.8	=	0.20	0.2	U	0.22	0.22	U	11.40	11.4	U	
IAAP101820	IAAP101820	694001.46	91821.27	04/26/07	0	0.5	1,140	68.6	=	0.29	0.24	=	0.27	0.27	U	27.30	13.7	=	
IAAP101821	IAAP101821	694047.69	91779	04/26/07	0	0.5	671	62.7	=	0.26	0.22	=	0.24	0.24	U	16.50	12.5	=	
IAAP101832	IAAP101832	693777.76	91838.34	06/04/07	0	0.5													
IAAP101832	IAAP101833	693777.76	91838.34	06/04/07	2	3													
IAAP101834	IAAP101834	693785.33	91825.17	06/04/07	0	0.5													
IAAP101834	IAAP101835	693785.33	91825.17	06/04/07	2	3													

Table B-4-3. FUSRAP Post-Excavation Soil Characterization Data Remaining for Metals at the West Burn Pads South of the Road at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	Potassium			Selenium			Silver			Sodium			
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^b :							---	---	---	---	---	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^b :							---	---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^c:							---	---	---	5,800	---	---	5,800	---	---	---	---	---	---
<i>Eco CC^d:</i>							---	---	---	<i>11.9</i>	---	---	<i>676</i>	---	---	---	---	---	---
IAAP101836	IAAP101836	693796.19	91817.6	06/04/07	0	0.5													
IAAP101836	IAAP101837	693796.19	91817.6	06/04/07	1	2													
IAAP106663	IAAP106663	693797.7	91822.4	11/29/07	0	1													
IAAP106663	IAAP106664	693797.7	91822.4	11/29/07	1	2													
IAAP106663	IAAP106665	693797.7	91822.4	11/29/07	2	3													
IAAP106663	IAAP106666	693797.7	91822.4	11/29/07	3	4													
IAAP111743	IAAP111743	693781.42	91832.12	09/17/08	0	1			0.07	0.073	U	0.17	0.059	J					
IAAP111743	IAAP111744	693781.42	91832.12	09/17/08	1	2			0.07	0.07	U	0.06	0.057	U					
IAAP111743	IAAP111745	693781.42	91832.12	09/17/08	2	2.2			0.07	0.073	U	0.09	0.059	J					
IAAP111749	IAAP111749	693784.03	91836.8	09/17/08	0	1			0.18	0.18	U	0.51	0.51	U					
IAAP111749	IAAP111750	693784.03	91836.8	09/17/08	1	2			0.07	0.074	U	0.14	0.14	U					
IAAP111749	IAAP111751	693784.03	91836.8	09/17/08	2	3			0.07	0.074	U	0.07	0.069	U					
IAAP111749	IAAP111752	693784.03	91836.8	09/17/08	3	4			0.18	0.18	U	0.30	0.3	U					
IAAP111749	IAAP111753	693784.03	91836.8	09/17/08	4	5			0.07	0.074	U	0.06	0.06	U					
IAAP111749	IAAP111754	693784.03	91836.8	09/17/08	5	6			0.04	0.037	U	0.06	0.061	U					
IAAP84233	IAAP84233	693743.71	91820.8	08/24/04	0	0.5			0.38	0.38	U	0.85	0.85	U					
IAAP84234	IAAP84234	693789.71	91843.8	08/24/04	0	0.5			0.37	0.37	U	0.88	0.84	=					
IAAP84235	IAAP84235	693804.08	91826.55	08/24/04	0	0.5			0.39	0.39	U	0.88	0.88	U					
IAAP84236	IAAP84236	693850.08	91796.36	08/24/04	0	0.5			0.38	0.38	U	0.86	0.86	U					
IAAP84237	IAAP84237	693838.58	91743.18	08/24/04	0	0.5			0.37	0.37	U	0.84	0.84	U					
Maximum Reported Concentration (Detects and Non-Detects):							2,110	---	=	0.57	---	=	2.40	---	J	171.00	---	=	
Maximum Detected Concentration:							2,110	---	=	0.57	---	=	2.40	---	J	171.00	---	=	
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0):							---	---	---	---	---	---	---	---	---	---	---	---	
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection):							---	---	---	---	---	---	---	---	---	---	---	---	
Number of Sample Results Greater than USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0):							---	---	---	0	---	---	0	---	---	---	---	---	
Number of Sample Results Greater than Eco CC:							---	---	---	0	---	---	0	---	---	---	---	---	

^a The IAAAP OU-1 ROD RG and RSLs (USEPA 2018a) for industrial soil are presented for chromium are for hexavalent chromium.

^b Gray-shaded concentrations exceed the corresponding IAAAP OU-1 ROD RGs protective of an industrial worker ingesting soil (USACE 1998a).

^c Concentrations in **bold** exceed the corresponding RSLs (USEPA 2018a) protective of an industrial worker exposed to soil via ingestion, dermal contact, and dust inhalation.

^d Concentrations in *italics* exceed the corresponding Eco CCs calculated for the WBPS.

Notes:

"---" Indicates that there is no comparison value available.

All results and comparison values are in mg/kg.

NA - Maximum detected result is not available because all results reported for the parameter are non-detect.

VQ symbols indicate: "=" positive identification, positive quantitation, no reason to estimate, "U" non-detect, no reason to estimate, "J" positive identification, estimated quantitation, "UJ" analyte was not detected and had QC deficiencies.

Table B-4-3. FUSRAP Post-Excavation Soil Characterization Data Remaining for Metals at the West Burn Pads South of the Road at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	Thallium			Vanadium			Zinc		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^b :							143.00	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^b :							---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^c :							23	---	---	5,800	---	---	350,000	---	---
<i>Eco CC^d</i> :							67.5	---	---	13,069	---	---	---	---	---
IAAP101777	IAAP101777	693744.6	91817.31	04/24/07	0	0.5	0.15	0.15	U	26.20	0.77	=	128.00	1.6	=
IAAP101777	IAAP101778	693744.6	91817.31	04/24/07	1	2	0.15	0.15	U	23.30	0.73	=	155.00	1.5	=
IAAP101779	IAAP101779	693749.85	91804.71	04/26/07	0	0.5	0.17	0.17	U	29.20	0.86	=	119.00	1.8	J
IAAP101779	IAAP101780	693749.85	91804.71	04/26/07	1	2	0.16	0.16	U	30.20	0.83	=	72.00	1.7	J
IAAP101783	IAAP101783	693783.79	91811.01	04/27/07	0	0.5	0.17	0.17	U	28.20	0.88	=	61.00	1.8	J
IAAP101783	IAAP101784	693783.79	91811.01	04/27/07	1	1.5	0.16	0.16	U	37.40	0.83	=	43.10	1.7	J
IAAP101785	IAAP101785	693791.14	91840.4	04/24/07	0	0.5	0.17	0.17	U	26.00	0.84	=	123.00	1.7	=
IAAP101785	IAAP101786	693791.14	91840.4	04/24/07	2.2	2.9	0.17	0.17	U	36.60	0.84	=	48.40	1.8	=
IAAP101787	IAAP101787	693803.39	91834.8	04/27/07	0	0.5	0.17	0.17	U	36.80	0.85	=	54.40	1.8	J
IAAP101787	IAAP101788	693803.39	91834.8	04/27/07	1	1.5	0.17	0.17	U	36.60	0.88	=	48.40	1.8	J
IAAP101789	IAAP101789	693808.99	91818.36	04/26/07	0	0.5	0.16	0.16	U	19.40	0.79	=	64.10	1.6	J
IAAP101789	IAAP101790	693808.99	91818.36	04/26/07	1	1.5	0.17	0.17	U	33.00	0.85	=	37.00	1.8	J
IAAP101791	IAAP101791	693802.34	91811.36	04/26/07	0	0.5	0.23	0.2	=	26.60	1	=	404.00	2.1	J
IAAP101791	IAAP101791-1	693802.34	91811.36	04/26/07	0	0.5	0.18	0.18	U	29.30	0.92	=	217.00	1.9	J
IAAP101791	IAAP101792	693802.34	91811.36	04/26/07	1	1.5	0.17	0.17	U	43.20	0.85	=	35.80	1.8	J
IAAP101793	IAAP101793	693848.53	91834.8	04/26/07	0	0.5	0.19	0.19	U	34.90	0.96	=	71.30	2	J
IAAP101793	IAAP101794	693848.53	91834.8	04/26/07	1	2	0.17	0.17	U	43.30	0.87	=	55.20	1.8	J
IAAP101795	IAAP101795	693868.83	91815.91	04/26/07	0	0.5	0.18	0.18	U	25.10	0.91	=	88.60	1.9	J
IAAP101795	IAAP101796	693868.83	91815.91	04/26/07	1	1.5	0.18	0.18	U	44.70	0.9	=	46.90	1.9	J
IAAP101807	IAAP101807	693875.32	91851.58	04/25/07	0	0.5	0.19	0.19	U	26.50	0.96	=	180.00	2	=
IAAP101807	IAAP101808	693875.32	91851.58	04/25/07	1	2	0.17	0.17	U	40.60	0.87	=	47.10	1.8	=
IAAP101809	IAAP101809	693841.74	91807.88	04/26/07	0	0.5	0.18	0.18	U	28.70	0.93	=	57.60	1.9	=
IAAP101809	IAAP101810	693841.74	91807.88	04/26/07	1	1.5	0.17	0.17	U	36.10	0.86	=	37.30	1.8	=
IAAP101811	IAAP101811	693821.51	91779.37	04/26/07	0	0.5	0.18	0.18	U	29.90	0.89	=	53.50	1.8	=
IAAP101811	IAAP101812	693821.51	91779.37	04/26/07	0.5	1	0.17	0.17	U	29.00	0.87	=	24.10	1.8	=
IAAP101813	IAAP101813	693782.87	91772.01	04/26/07	0	0.5	0.18	0.18	U	28.00	0.9	=	43.40	1.9	=
IAAP101813	IAAP101813-1	693782.87	91772.01	04/26/07	0	0.5	0.18	0.18	U	28.50	0.91	=	51.40	1.9	=
IAAP101813	IAAP101814	693782.87	91772.01	04/26/07	1	1.5	0.17	0.17	U	40.50	0.87	=	34.50	1.8	=
IAAP101815	IAAP101815	693753.89	91786.27	04/24/07	0	0.5	0.17	0.17	U	26.60	0.88	=	72.10	1.8	=
IAAP101815	IAAP101816	693753.89	91786.27	04/24/07	0.5	2	0.17	0.17	U	44.30	0.84	=	37.20	1.8	=
IAAP101817	IAAP101817	693729.97	91755.91	04/26/07	0	0.5	0.18	0.18	U	28.10	0.92	=	60.00	1.9	=
IAAP101817	IAAP101818	693729.97	91755.91	04/26/07	1	1.5	0.30	0.17	=	33.30	0.86	=	40.20	1.8	=
IAAP101819	IAAP101819	694010.45	91852.96	04/26/07	0	0.5	0.15	0.15	U	22.40	0.77	=	34.00	1.6	=
IAAP101820	IAAP101820	694001.46	91821.27	04/26/07	0	0.5	0.18	0.18	U	25.00	0.93	=	59.80	1.9	=
IAAP101821	IAAP101821	694047.69	91779	04/26/07	0	0.5	0.17	0.17	U	15.40	0.85	=	30.10	1.8	=
IAAP101832	IAAP101832	693777.76	91838.34	06/04/07	0	0.5									
IAAP101832	IAAP101833	693777.76	91838.34	06/04/07	2	3									
IAAP101834	IAAP101834	693785.33	91825.17	06/04/07	0	0.5									
IAAP101834	IAAP101835	693785.33	91825.17	06/04/07	2	3									

Table B-4-3. FUSRAP Post-Excavation Soil Characterization Data Remaining for Metals at the West Burn Pads South of the Road at the Time of the First Five-Year Review (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	Thallium			Vanadium			Zinc		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^b :							143.00	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^b :							---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^c:							23	---	---	5,800	---	---	350,000	---	---
<i>Eco CC^d:</i>							<i>67.5</i>	---	---	<i>13,069</i>	---	---	---	---	---
IAAP101836	IAAP101836	693796.19	91817.6	06/04/07	0	0.5									
IAAP101836	IAAP101837	693796.19	91817.6	06/04/07	1	2									
IAAP106663	IAAP106663	693797.7	91822.4	11/29/07	0	1	1.60	1.3	J						
IAAP106663	IAAP106664	693797.7	91822.4	11/29/07	1	2	2.00	1.2	J						
IAAP106663	IAAP106665	693797.7	91822.4	11/29/07	2	3	1.30	1.3	U						
IAAP106663	IAAP106666	693797.7	91822.4	11/29/07	3	4	3.70	1.3	J						
IAAP111743	IAAP111743	693781.42	91832.12	09/17/08	0	1	0.12	0.072	J	24.80	0.11	J			
IAAP111743	IAAP111744	693781.42	91832.12	09/17/08	1	2	0.46	0.069	J	28.20	0.11	=			
IAAP111743	IAAP111745	693781.42	91832.12	09/17/08	2	2.2	0.07	0.072	U	26.10	0.11	=			
IAAP111749	IAAP111749	693784.03	91836.8	09/17/08	0	1	0.07	0.072	U	34.40	0.11	=			
IAAP111749	IAAP111750	693784.03	91836.8	09/17/08	1	2	0.07	0.073	U	26.00	0.11	=			
IAAP111749	IAAP111751	693784.03	91836.8	09/17/08	2	3	0.07	0.072	U	30.30	0.11	=			
IAAP111749	IAAP111752	693784.03	91836.8	09/17/08	3	4	0.18	0.18	U	38.10	0.27	=			
IAAP111749	IAAP111753	693784.03	91836.8	09/17/08	4	5	0.07	0.073	U	35.40	0.11	=			
IAAP111749	IAAP111754	693784.03	91836.8	09/17/08	5	6	0.04	0.036	U	15.80	0.055	=			
IAAP84233	IAAP84233	693743.71	91820.8	08/24/04	0	0.5									
IAAP84234	IAAP84234	693789.71	91843.8	08/24/04	0	0.5									
IAAP84235	IAAP84235	693804.08	91826.55	08/24/04	0	0.5									
IAAP84236	IAAP84236	693850.08	91796.36	08/24/04	0	0.5									
IAAP84237	IAAP84237	693838.58	91743.18	08/24/04	0	0.5									
Maximum Reported Concentration (Detects and Non-Detects):							3.70	---	J	44.70	---	=	404.00	---	J
Maximum Detected Concentration:							3.70	---	J	44.70	---	=	404.00	---	J
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0):							0	---	---	---	---	---	---	---	---
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection):							---	---	---	---	---	---	---	---	---
Number of Sample Results Greater than USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0):							0	---	---	0	---	---	0	---	---
Number of Sample Results Greater than Eco CC:							0	---	---	0	---	---	---	---	---

^a The IAAAP OU-1 ROD RG and RSLs (USEPA 2018a) for industrial soil are presented for chromium are for hexavalent chromium.

^b Gray-shaded concentrations exceed the corresponding IAAAP OU-1 ROD RGs protective of an industrial worker ingesting soil (USACE 1998a).

^c Concentrations in **bold** exceed the corresponding RSLs (USEPA 2018a) protective of an industrial worker exposed to soil via ingestion, dermal contact, and dust inhalation.

^d Concentrations in *italics* exceed the corresponding Eco CCs calculated for the WBPS.

Notes:

"---" Indicates that there is no comparison value available.

All results and comparison values are in mg/kg.

NA - Maximum detected result is not available because all results reported for the parameter are non-detect.

VQ symbols indicate: "=" positive identification, positive quantitation, no reason to estimate, "U" non-detect,

no reason to estimate, "J" positive identification, estimated quantitation, "UJ" analyte was not detected and had QC deficiencies.

Table B-4-4. FUSRAP Post-Excavation Soil Characterization Data Remaining for Radionuclides at the West Burn Pads South of the Road at the Time of the First Five-Year Review (pCi/g)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	Actinium-227				Americium-241				Cesium-137+D				
							Result	Error	DL	VQ	Result	Error	DL	VQ	Result	Error	DL	VQ	
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---
USEPA Radiological PRG for Industrial Soil (TECR=1E-04)^b:							1,000	---	---	---	470	---	---	---	9.1	---	---	---	
<i>Eco CC^c:</i>							---	---	---	---	---	---	---	---	---	---	---	---	
<u>Maximum IAAAP Background Soil Concentration^d:</u>							---	---	---	---	---	---	---	---	<u>1</u>	---	---	---	
IAAP101777	IAAP101778	693744.6	91817.31	04/24/07	1	2	-0.0082	0.0936	0.147	UJ	0.0133	0.0195	0.0297	UJ	0.0730	0.0143	0.0134	=	
IAAP101779	IAAP101780	693749.85	91804.71	04/26/07	1	2	-0.0304	0.134	0.185	UJ	-0.0089	0.0272	0.0399	UJ	0.0512	0.0171	0.0209	=	
IAAP101783	IAAP101784	693783.79	91811.01	04/27/07	1	1.5	-0.1580	0.143	0.213	UJ	0.0183	0.0291	0.0442	UJ	0.0168	0.0134	0.0236	U	
IAAP101785	IAAP101786	693791.14	91840.4	04/24/07	2.2	2.9	-0.2250	0.164	0.241	UJ	-0.0036	0.0342	0.0505	UJ	-0.0113	0.0156	0.0244	UJ	
IAAP101787	IAAP101788	693803.39	91834.8	04/27/07	1	1.5	-0.0744	0.16	0.247	UJ	0.0210	0.0335	0.053	UJ	-0.0115	0.0161	0.0257	UJ	
IAAP101789	IAAP101790	693808.99	91818.36	04/26/07	1	1.5	0.0044	0.193	0.306	UJ	-0.0039	0.0442	0.0683	UJ	0.0216	0.021	0.0375	U	
IAAP101791	IAAP101792	693802.34	91811.36	04/26/07	1	1.5	0.1110	0.191	0.312	UJ	0.0180	0.0417	0.0657	UJ	-0.0111	0.0197	0.0316	UJ	
IAAP101793	IAAP101794	693848.53	91834.8	04/26/07	1	2	0.0093	0.172	0.273	UJ	0.0032	0.038	0.059	UJ	0.0038	0.0176	0.0299	UJ	
IAAP101795	IAAP101796	693868.83	91815.91	04/26/07	1	1.5	0.0122	0.147	0.233	UJ	-0.0092	0.0328	0.0503	UJ	0.0181	0.0151	0.0246	U	
IAAP84233	IAAP84233	693743.71	91820.8	08/24/04	0	0.5	0.0299	0.115	0.116	UJ	0.0419	0.0301	0.0459	U	0.0629	0.0152	0.0147	=	
IAAP84234	IAAP84234	693789.71	91843.8	08/24/04	0	0.5	0.0256	0.15	0.141	UJ	0.0192	0.0329	0.0481	UJ	0.6030	0.0491	0.0214	=	
IAAP84235	IAAP84235	693804.08	91826.55	08/24/04	0	0.5	-0.0014	0.145	0.164	UJ	0.0042	0.0363	0.052	UJ	0.4240	0.0367	0.0232	=	
IAAP84236	IAAP84236	693850.08	91796.36	08/24/04	0	0.5	-0.1120	0.134	0.154	UJ	0.0286	0.0339	0.05	UJ	0.3870	0.0363	0.024	=	
IAAP84237	IAAP84237	693838.58	91743.18	08/24/04	0	0.5	-0.0134	0.0973	0.102	UJ	0.0142	0.0218	0.0321	UJ	0.4970	0.0362	0.0165	=	
Maximum Reported Concentration (Detects and Non-Detects):							0.1110	---	---	UJ	0.0419	---	---	UJ	0.6030	---	---	=	
Maximum Detected Concentration:							NA	---	---	---	NA	---	---	---	0.6030	---	---	=	
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06):							---	---	---	---	---	---	---	---	---	---	---	---	
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection):							---	---	---	---	---	---	---	---	---	---	---	---	
USEPA Radiological PRG for Industrial Soil (TECR=1E-04):							0	---	---	---	0	---	---	---	0	---	---	---	
Number of Sample Results Greater than Eco CC:							---	---	---	---	---	---	---	---	---	---	---	---	
Number of Sample Results Greater than Maximum IAAAP Background Soil Concentration:							---	---	---	---	---	---	---	---	0	---	---	---	

^a Gray-shaded concentrations exceed the corresponding IAAAP OU-1 ROD RGs protective of an industrial worker ingesting soil (USACE 1998a).

^b Concentrations in **bold** exceed the corresponding PRGs (USEPA 2014b) protective of an composite worker exposed to soil via ingestion, dust inhalation, and external radiation.

^c Concentrations in *italics* exceed the corresponding Eco CCs calculated for the WBPS.

^d Underlined concentrations exceed the corresponding maximum IAAAP background concentrations.

Notes:

"---" Indicates that there is no comparison value available.

All results and comparison values are in pCi/g.

NA - Maximum detected result is not available because all results reported for the parameter are non-detect.

VQ symbols indicate: "=" positive identification, positive quantitation, no reason to estimate,

"U" non-detect, no reason to estimate, "J" positive identification, estimated quantitation,

"UJ" analyte was not detected and had QC deficiencies.

Table B-4-4. FUSRAP Post-Excavation Soil Characterization Data Remaining for Radionuclides at the West Burn Pads South of the Road at the Time of the First Five-Year Review (pCi/g)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	Potassium-40				Protactinium-231				Radium-226+D				Radium-228+D							
							Result	Error	DL	VQ	Result	Error	DL	VQ	Result	Error	DL	VQ	Result	Error	DL	VQ				
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
USEPA Radiological PRG for Industrial Soil (TECR=1E-04)^b:							22	---	---	---	120	---	---	---	2.1	---	---	---	13	---	---	---	---			
<i>Eco CC^c:</i>							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
<u>Maximum IAAAP Background Soil Concentration^d:</u>							<u>18</u>	---	---	---	---	---	---	---	<u>7.1</u>	---	---	---	---	---	---	---	---	---		
IAAP101777	IAAP101778	693744.6	91817.31	04/24/07	1	2	7.8800	0.501	0.121	=	0.2260	0.293	0.451	UJ	0.8460	0.213	0.0375	=	0.4890	0.0392	0.0534	=				
IAAP101779	IAAP101780	693749.85	91804.71	04/26/07	1	2	14.0000	0.771	0.166	=	0.2880	0.368	0.566	UJ	1.1700	0.292	0.0486	=	0.9600	0.0546	0.0669	=				
IAAP101783	IAAP101784	693783.79	91811.01	04/27/07	1	1.5	13.9000	0.827	0.179	=	0.0689	0.426	0.634	UJ	1.2900	0.327	0.0564	=	0.9850	0.0617	0.0746	=				
IAAP101785	IAAP101786	693791.14	91840.4	04/24/07	2.2	2.9	15.5000	0.952	0.187	=	0.0392	0.491	0.727	UJ	1.3800	0.35	0.0657	=	1.1800	0.0739	0.0947	=				
IAAP101787	IAAP101788	693803.39	91834.8	04/27/07	1	1.5	15.5000	0.969	0.26	=	0.3770	0.458	0.716	UJ	1.3100	0.336	0.0673	=	1.0100	0.0764	0.0911	=				
IAAP101789	IAAP101790	693808.99	91818.36	04/26/07	1	1.5	17.5000	1.17	0.292	=	0.2540	0.567	0.869	UJ	1.6700	0.43	0.0831	=	1.1900	0.0928	0.118	=				
IAAP101791	IAAP101792	693802.34	91811.36	04/26/07	1	1.5	15.3000	1.06	0.2360	=	0.1160	0.541	0.817	UJ	1.3500	0.356	0.0725	=	1.1200	0.0864	0.103	=				
IAAP101793	IAAP101794	693848.53	91834.8	04/26/07	1	2	15.7000	1.04	0.2510	=	0.0076	0.538	0.799	UJ	1.2600	0.331	0.0744	=	1.1800	0.0837	0.104	=				
IAAP101795	IAAP101796	693868.83	91815.91	04/26/07	1	1.5	15.2000	0.935	0.1770	=	0.3330	0.433	0.675	UJ	1.1900	0.307	0.0633	=	1.0300	0.0735	0.0899	=				
IAAP84233	IAAP84233	693743.71	91820.8	08/24/04	0	0.5	9.4200	0.654	0.1390	=	0.2580	0.333	0.528	UJ	1.0500	0.0527	0.0417	=	0.4960	0.0462	0.046	J				
IAAP84234	IAAP84234	693789.71	91843.8	08/24/04	0	0.5	10.0000	0.727	0.1690	=	0.2690	0.42	0.639	UJ	1.3000	0.0663	0.0576	=	0.5870	0.0546	0.0573	J				
IAAP84235	IAAP84235	693804.08	91826.55	08/24/04	0	0.5	14.5000	0.913	0.1880	=	0.0282	0.446	0.651	UJ	1.2900	0.0667	0.0596	=	0.9150	0.0755	0.0606	J				
IAAP84236	IAAP84236	693850.08	91796.36	08/24/04	0	0.5	12.2000	0.827	0.2180	=	0.2600	0.44	0.664	UJ	1.1300	0.0594	0.0602	=	0.8880	0.0658	0.0608	J				
IAAP84237	IAAP84237	693838.58	91743.18	08/24/04	0	0.5	5.5600	0.445	0.1470	=	0.1910	0.318	0.481	UJ	0.8870	0.0465	0.0392	J	0.2830	0.0415	0.039	J				
Maximum Reported Concentration (Detects and Non-Detects):							17.5000	---	---	=	0.3770	---	---	UJ	1.6700	---	---	=	1.1900	---	---	=				
Maximum Detected Concentration:							17.5000	---	---	=	NA	---	---	---	1.6700	---	---	=	1.1900	---	---	=				
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06):							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection):							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
USEPA Radiological PRG for Industrial Soil (TECR=1E-04):							0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	---	---	---	
Number of Sample Results Greater than Eco CC:							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Number of Sample Results Greater than Maximum IAAAP Background Soil Concentration:							0	---	---	---	---	---	---	---	0	---	---	---	---	---	---	---	---	---	---	---

^a Gray-shaded concentrations exceed the corresponding IAAAP OU-1 ROD RGs protective of an industrial worker ingesting soil (USACE 1998a).

^b Concentrations in **bold** exceed the corresponding PRGs (USEPA 2014b) protective of an composite worker exposed to soil via ingestion, dust inhalation, and external radiation.

^c Concentrations in *italics* exceed the corresponding Eco CCs calculated for the WBPS.

^d Underlined concentrations exceed the corresponding maximum IAAAP background concentrations.

Notes:

"---" Indicates that there is no comparison value available.

All results and comparison values are in pCi/g.

NA - Maximum detected result is not available because all results reported for the parameter are non-detect.

VQ symbols indicate: "=" positive identification, positive quantitation, no reason to estimate,

"U" non-detect, no reason to estimate, "J" positive identification, estimated quantitation,

"UJ" analyte was not detected and had QC deficiencies.

Table B-4-4. FUSRAP Post-Excavation Soil Characterization Data Remaining for Radionuclides at the West Burn Pads South of the Road at the Time of the First Five-Year Review (pCi/g)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	Thorium-228				Thorium-230				Thorium-232+D				Uranium-234							
							Result	Error	DL	VQ	Result	Error	DL	VQ	Result	Error	DL	VQ	Result	Error	DL	VQ				
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
USEPA Radiological PRG for Industrial Soil (TECR=1E-04)^b:							11,000	---	---	---	1,800	---	---	---	4.2	---	---	---	2,800	---	---	---	---			
<i>Eco CC^c:</i>							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
<u>Maximum IAAAP Background Soil Concentration^d:</u>							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
IAAP101777	IAAP101778	693744.6	91817.31	04/24/07	1	2	0.4890	0.0392	0.0534	=	0.5230	1.76	2.83	UJ	0.4890	0.0392	0.0534	=								
IAAP101779	IAAP101780	693749.85	91804.71	04/26/07	1	2	0.9600	0.0546	0.0669	=	2.3700	2.62	3.96	UJ	0.9600	0.0546	0.0669	=	0.5150	0.354	0.266	J				
IAAP101783	IAAP101784	693783.79	91811.01	04/27/07	1	1.5	0.9850	0.0617	0.0746	=	1.8800	2.88	4.34	UJ	0.9850	0.0617	0.0746	=								
IAAP101785	IAAP101786	693791.14	91840.4	04/24/07	2.2	2.9	1.1800	0.0739	0.0947	=	4.6300	4.25	4.74	U	1.1800	0.0739	0.0947	=								
IAAP101787	IAAP101788	693803.39	91834.8	04/27/07	1	1.5	1.0100	0.0764	0.0911	=	3.8000	3.11	5.45	U	1.0100	0.0764	0.0911	=								
IAAP101789	IAAP101790	693808.99	91818.36	04/26/07	1	1.5	1.1900	0.0928	0.118	=	1.7000	4.14	6.47	UJ	1.1900	0.0928	0.118	=								
IAAP101791	IAAP101792	693802.34	91811.36	04/26/07	1	1.5	1.1200	0.0864	0.103	=	-1.6200	3.67	5.91	UJ	1.1200	0.0864	0.103	=								
IAAP101793	IAAP101794	693848.53	91834.8	04/26/07	1	2	1.1800	0.0837	0.104	=	0.1000	3.7	5.7	UJ	1.1800	0.0837	0.104	=								
IAAP101795	IAAP101796	693868.83	91815.91	04/26/07	1	1.5	1.0300	0.0735	0.0899	=	0.7670	3.3	5.12	UJ	1.0300	0.0735	0.0899	=								
IAAP84233	IAAP84233	693743.71	91820.8	08/24/04	0	0.5	0.4960	0.0462	0.046	J	-1.5000	2.62	3.96	UJ	0.4960	0.0462	0.046	J	0.7460	0.432	0.144	J				
IAAP84234	IAAP84234	693789.71	91843.8	08/24/04	0	0.5	0.5870	0.0546	0.0573	J	0.7490	2.75	4.52	UJ	0.5870	0.0546	0.0573	J	1.0100	0.54	0.16	J				
IAAP84235	IAAP84235	693804.08	91826.55	08/24/04	0	0.5	0.9150	0.0755	0.0606	J	-2.2700	3.14	4.71	UJ	0.9150	0.0755	0.0606	J	1.3700	0.685	0.177	=				
IAAP84236	IAAP84236	693850.08	91796.36	08/24/04	0	0.5	0.8880	0.0658	0.0608	J	0.7060	2.84	4.67	UJ	0.8880	0.0658	0.0608	J	1.2200	0.61	0.297	=				
IAAP84237	IAAP84237	693838.58	91743.18	08/24/04	0	0.5	0.2830	0.0415	0.039	J	-0.5650	1.99	3.02	UJ	0.2830	0.0415	0.039	J	0.5980	0.394	0.28	J				
Maximum Reported Concentration (Detects and Non-Detects):							1.1900	---	---	=	4.6300	---	---	U	1.1900	---	---	=	1.3700	---	---	=				
Maximum Detected Concentration:							1.1900	---	---	=	NA	---	---	---	1.1900	---	---	=	1.3700	---	---	=				
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06):							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection):							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
USEPA Radiological PRG for Industrial Soil (TECR=1E-04):							0	---	---	---	0	---	---	---	0	---	---	---	0	---	---	---	---	---	---	
Number of Sample Results Greater than Eco CC:							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Number of Sample Results Greater than Maximum IAAAP Background Soil Concentration:							---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

^a Gray-shaded concentrations exceed the corresponding IAAAP OU-1 ROD RGs protective of an industrial worker ingesting soil (USACE 1998a).

^b Concentrations in **bold** exceed the corresponding PRGs (USEPA 2014b) protective of an composite worker exposed to soil via ingestion, dust inhalation, and external radiation.

^c Concentrations in *italics* exceed the corresponding Eco CCs calculated for the WBPS.

^d Underlined concentrations exceed the corresponding maximum IAAAP background concentrations.

Notes:

"---" Indicates that there is no comparison value available.

All results and comparison values are in pCi/g.

NA - Maximum detected result is not available because all results reported for the parameter are non-detect.

VQ symbols indicate: "=" positive identification, positive quantitation, no reason to estimate,

"U" non-detect, no reason to estimate, "J" positive identification, estimated quantitation,

"UJ" analyte was not detected and had QC deficiencies.

Table B-4-4. FUSRAP Post-Excavation Soil Characterization Data Remaining for Radionuclides at the West Burn Pads South of the Road at the Time of the First Five-Year Review (pCi/g)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	Uranium-235+D				Uranium-238+D			
							Result	Error	DL	VQ	Result	Error	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06) ^a :							---	---	---	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---	---	---	---	---	---
USEPA Radiological PRG for Industrial Soil (TECR=1E-04)^b:							30	---	---	---	140	---	---	---
<i>Eco CC^c:</i>							---	---	---	---	---	---	---	---
<u>Maximum IAAAP Background Soil Concentration^d:</u>							---	---	---	---	---	---	---	---
IAAP101777	IAAP101778	693744.6	91817.31	04/24/07	1	2	0.0919	0.113	0.192	UJ	0.7730	0.315	0.278	J
IAAP101779	IAAP101780	693749.85	91804.71	04/26/07	1	2	0.2610	0.267	0.177	J	1.0900	0.541	0.265	=
IAAP101783	IAAP101784	693783.79	91811.01	04/27/07	1	1.5	0.1190	0.173	0.291	UJ	1.5000	0.428	0.415	=
IAAP101785	IAAP101786	693791.14	91840.4	04/24/07	2.2	2.9	0.0612	0.189	0.315	UJ	1.2700	0.457	0.493	J
IAAP101787	IAAP101788	693803.39	91834.8	04/27/07	1	1.5	0.1620	0.196	0.33	UJ	1.5000	0.504	0.501	=
IAAP101789	IAAP101790	693808.99	91818.36	04/26/07	1	1.5	0.1520	0.247	0.412	UJ	1.4500	0.688	0.624	=
IAAP101791	IAAP101792	693802.34	91811.36	04/26/07	1	1.5	0.0824	0.231	0.383	UJ	1.0100	0.591	0.599	J
IAAP101793	IAAP101794	693848.53	91834.8	04/26/07	1	2	0.1110	0.221	0.368	UJ	1.2000	0.664	0.563	J
IAAP101795	IAAP101796	693868.83	91815.91	04/26/07	1	1.5	0.0352	0.187	0.307	UJ	1.0400	0.574	0.489	J
IAAP84233	IAAP84233	693743.71	91820.8	08/24/04	0	0.5	-0.0164	0.0331	0.331	UJ	0.5700	0.375	0.267	J
IAAP84234	IAAP84234	693789.71	91843.8	08/24/04	0	0.5	0.0547	0.151	0.367	UJ	1.5600	0.71	0.353	=
IAAP84235	IAAP84235	693804.08	91826.55	08/24/04	0	0.5	0.0806	0.162	0.218	UJ	1.2200	0.64	0.328	J
IAAP84236	IAAP84236	693850.08	91796.36	08/24/04	0	0.5	-0.0182	0.167	0.575	UJ	1.1200	0.588	0.432	J
IAAP84237	IAAP84237	693838.58	91743.18	08/24/04	0	0.5	0.0686	0.138	0.186	UJ	0.7760	0.45	0.15	J
Maximum Reported Concentration (Detects and Non-Detects):							0.2610	---	---	J	1.5600	---	---	=
Maximum Detected Concentration:							0.2610	---	---	J	1.5600	---	---	=
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06):							---	---	---	---	---	---	---	---
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection):							---	---	---	---	---	---	---	---
USEPA Radiological PRG for Industrial Soil (TECR=1E-04):							0	---	---	---	0	---	---	---
Number of Sample Results Greater than Eco CC:							---	---	---	---	---	---	---	---
Number of Sample Results Greater than Maximum IAAAP Background Soil Concentration:							---	---	---	---	---	---	---	---

^a Gray-shaded concentrations exceed the corresponding IAAAP OU-1 ROD RGs protective of an industrial worker ingesting soil (USACE 1998a).

^b Concentrations in **bold** exceed the corresponding PRGs (USEPA 2014b) protective of an composite worker exposed to soil via ingestion, dust inhalation, and external radiation.

^c Concentrations in *italics* exceed the corresponding Eco CCs calculated for the WBPS.

^d Underlined concentrations exceed the corresponding maximum IAAAP background concentrations.

Notes:

"---" Indicates that there is no comparison value available.

All results and comparison values are in pCi/g.

NA - Maximum detected result is not available because all results reported for the parameter are non-detect.

VQ symbols indicate: "=" positive identification, positive quantitation, no reason to estimate,

"U" non-detect, no reason to estimate, "J" positive identification, estimated quantitation,

"UJ" analyte was not detected and had QC deficiencies.

Table B-4-5. FUSRAP Soil Characterization Data for Toxicity Characteristic Leaching Procedure Constituents at the West Burn Pads South of the Road at the Time of the First Five-Year Review (mg/L)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	Antimony			Arsenic			Barium			Beryllium		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
USEPA TCLP Regulatory Level^a:							---	---	---	5	---	---	100	---	---	---	---	---
IAAP111755	IAAP111755	COMPOSITE	COMPOSITE	09/18/08	0	0	0.0119	0.0099	=	0.0049	0.0049	U	1.3200	0.0021	=	0.0013	0.0013	U
IAAP111760	IAAP111760	COMPOSITE	COMPOSITE	09/18/08	0	0	0.0120	0.0099	=	0.0049	0.0049	U	1.0500	0.0021	=	0.0013	0.0013	U
IAAP111773	IAAP111773	COMPOSITE	COMPOSITE	09/18/08	0	0	0.0099	0.0099	U	0.0049	0.0049	U	39.6000	0.0043	=	0.0013	0.0013	U
IAAP111798	IAAP111798	COMPOSITE	COMPOSITE	10/31/08	0	4	0.0099	0.0099	U	0.0049	0.0049	U	324.0000	0.0425	=	0.0013	0.0013	U
Maximum Reported Concentration (Detects and Non-Detects):							0.0120	---	=	0.0049	---	U	324.0000	---	=	0.0013	---	U
Maximum Detected Concentration:							0.0120	---	=	NA	---	---	324.0000	---	=	NA	---	---
Number of Samples Greater than USEPA TCLP Regulatory Level:							---	---	---	0	---	---	1	---	---	---	---	---

^a Gray-shaded concentrations exceed the corresponding USEPA TCLP regulatory level.

Notes:

All results and comparison values are in mg/L.

NA - Maximum detected result is not available because all results reported for the parameter are non-detect.

VQ symbols indicate: “=” positive identification, positive quantitation, no reason to estimate, “U” non-detect, no reason to estimate, “J” positive identification, estimated quantitation, “UJ” analyte was not detected and had QC deficiencies.

Table B-4-5. FUSRAP Soil Characterization Data for Toxicity Characteristic Leaching Procedure Constituents at the West Burn Pads South of the Road at the Time of the First Five-Year Review (mg/L)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	Cadmium			Chromium			Cobalt			Copper		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
USEPA TCLP Regulatory Level^a:							1	---	---	5	---	---	---	---	---	---	---	---
IAAP111755	IAAP111755	COMPOSITE	COMPOSITE	09/18/08	0	0	0.0014	0.0011	=	0.0079	0.0079	U	0.0099	0.0099	UJ	0.0114	0.0114	U
IAAP111760	IAAP111760	COMPOSITE	COMPOSITE	09/18/08	0	0	0.0014	0.0011	=	0.0079	0.0079	U	0.0099	0.0099	UJ	0.0114	0.0114	U
IAAP111773	IAAP111773	COMPOSITE	COMPOSITE	09/18/08	0	0	0.0011	0.0011	U	0.0079	0.0079	U	0.0162	0.0099	=	0.0114	0.0114	U
IAAP111798	IAAP111798	COMPOSITE	COMPOSITE	10/31/08	0	4	0.0011	0.0011	U	0.0079	0.0079	U	0.0959	0.0099	J	0.0114	0.0114	U
Maximum Reported Concentration (Detects and Non-Detects):							0.0014	---	=	0.0079	---	U	0.0959	---	J	0.0114	---	U
Maximum Detected Concentration:							0.0014	---	=	NA	---	---	0.0959	---	J	NA	---	---
Number of Samples Greater than USEPA TCLP Regulatory Level:							0	---	---	0	---	---	---	---	---	---	---	---

^a Gray-shaded concentrations exceed the corresponding USEPA TCLP regulatory level.

Notes:

All results and comparison values are in mg/L.

NA - Maximum detected result is not available because all results reported for the parameter are non-detect.

VQ symbols indicate: “=” positive identification, positive quantitation, no reason to estimate, “U” non-detect, no reason to estimate, “J” positive identification, estimated quantitation, “UJ” analyte was not detected and had QC deficiencies.

Table B-4-5. FUSRAP Soil Characterization Data for Toxicity Characteristic Leaching Procedure Constituents at the West Burn Pads South of the Road at the Time of the First Five-Year Review (mg/L)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	Lead			Manganese			Mercury			Nickel		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
USEPA TCLP Regulatory Level^a:							5	---	---	---	---	---	0.2	---	---	---	---	---
IAAP111755	IAAP111755	COMPOSITE	COMPOSITE	09/18/08	0	0	1.1700	0.0032	=	0.4710	0.0024	=	0.0003	0.00031	U	0.0333	0.0333	U
IAAP111760	IAAP111760	COMPOSITE	COMPOSITE	09/18/08	0	0	0.0187	0.0032	=	0.2240	0.0024	=	0.0017	0.00031	=	0.0333	0.0333	U
IAAP111773	IAAP111773	COMPOSITE	COMPOSITE	09/18/08	0	0	0.0032	0.0032	U	0.0586	0.0024	=	0.0009	0.00031	=	0.0333	0.0333	U
IAAP111798	IAAP111798	COMPOSITE	COMPOSITE	10/31/08	0	4	0.0032	0.0032	U	0.2030	0.0024	=	0.0005	0.00031	=	0.0333	0.0333	U
Maximum Reported Concentration (Detects and Non-Detects):							1.1700	---	=	0.4710	---	=	0.0017	---	=	0.0333	---	U
Maximum Detected Concentration:							1.1700	---	=	0.4710	---	=	0.0017	---	=	NA	---	---
Number of Samples Greater than USEPA TCLP Regulatory Level:							0	---	---	---	---	---	0	---	---	---	---	---

^a Gray-shaded concentrations exceed the corresponding USEPA TCLP regulatory level.

Notes:

All results and comparison values are in mg/L.

NA - Maximum detected result is not available because all results reported for the parameter are non-detect.

VQ symbols indicate: “=” positive identification, positive quantitation, no reason to estimate, “U” non-detect, no reason to estimate, “J” positive identification, estimated quantitation, “UJ” analyte was not detected and had QC deficiencies.

Table B-4-5. FUSRAP Soil Characterization Data for Toxicity Characteristic Leaching Procedure Constituents at the West Burn Pads South of the Road at the Time of the First Five-Year Review (mg/L)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	Selenium			Silver			Thallium			Vanadium		
							Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
USEPA TCLP Regulatory Level^a:							1	---	---	5	---	---	---	---	---	---	---	---
IAAP111755	IAAP111755	COMPOSITE	COMPOSITE	09/18/08	0	0	0.0067	0.0067	U	0.0149	0.0149	U	0.0130	0.013	U	0.0102	0.0102	U
IAAP111760	IAAP111760	COMPOSITE	COMPOSITE	09/18/08	0	0	0.0067	0.0067	U	0.0149	0.0149	U	0.0130	0.013	U	0.0102	0.0102	U
IAAP111773	IAAP111773	COMPOSITE	COMPOSITE	09/18/08	0	0	0.0067	0.0067	U	0.0149	0.0149	U	0.0130	0.013	U	0.0102	0.0102	U
IAAP111798	IAAP111798	COMPOSITE	COMPOSITE	10/31/08	0	4	0.0067	0.0067	U	0.0149	0.0149	U	0.0130	0.013	U	0.0102	0.0102	U
Maximum Reported Concentration (Detects and Non-Detects):							0.0067	---	U	0.0149	---	U	0.0130	---	U	0.0102	---	U
Maximum Detected Concentration:							NA	---	---	NA	---	---	NA	---	---	NA	---	---
Number of Samples Greater than USEPA TCLP Regulatory Level:							0	---	---	0	---	---	---	---	---	---	---	---

^a Gray-shaded concentrations exceed the corresponding USEPA TCLP regulatory level.

Notes:

All results and comparison values are in mg/L.

NA - Maximum detected result is not available because all results reported for the parameter are non-detect.

VQ symbols indicate: “=” positive identification, positive quantitation, no reason to estimate, “U” non-detect, no reason to estimate, “J” positive identification, estimated quantitation, “UJ” analyte was not detected and had QC deficiencies.

ATTACHMENT B-5

WBPS VERIFICATION DATA

(On the CD-ROM on the Back Cover of this Report)

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Table B-5-1. Soil Verification Data for Explosives at the West Burn Pads South of the Road at the Time of the First Five-Year Review (mg/kg)

Excavation Area	Excavation No.	Station Name	Sample Name	Location	1,3,5-TNB			1,3-DNB			2,4,6-TNT			2,4-DNT			HMX			RDX		
					Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :					102	---	---	---	---	---	196	---	---	8.7	---	---	51,000	---	---	53	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :					---	---	---	---	---	---	47.6	---	---	---	---	---	---	---	1.3	---	---	
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0) ^b :					32,000	---	---	82	---	---	9,600	---	---	740	---	---	57,000	---	---	3,800	---	---
<i>Eco CC</i> ^c :					---	---	---	2.29	---	---	26.2	---	---	---	---	112	---	---	189	---	---	
A	38	WBP-E38-C004	IAAP112498	Wall BC 1 and 2	0.30	0.30	U	0.30	0.30	U	0.30	0.30	U	0.30	0.30	U	0.51	0.30	=	0.69	0.30	=
		WBP-E38-C007	IAAP112501	Wall BC 2 and 3	0.31	0.31	U	0.31	0.31	U	0.31	0.31	U	0.31	0.31	U	0.31	0.31	U	0.31	0.31	U
		WBP-E38-C006	IAAP112500	Wall BC 3 and 4	0.32	0.32	U	0.32	0.32	U	0.32	0.32	U	0.32	0.32	U	0.32	0.32	U	0.32	0.32	U
		WBP-E38-C006-P2	IAAP113278	Wall BC 4 and 4a	0.35	0.35	U	0.35	0.35	UJ	0.35	0.35	U	0.35	0.35	U	0.35	0.35	U	0.35	0.35	U
		WBP-E38-C013-P2	IAAP112545	Wall BC 4a and 5a	0.33	0.33	U	0.33	0.33	U	0.33	0.33	U	0.33	0.33	U	0.34	0.33	=	0.54	0.33	=
		WBP-E38-C024-P3	IAAP119955	Wall BC 5a and 11a	0.31	0.31	U	0.31	0.31	U	0.31	0.31	U	0.31	0.31	U	1.10	0.31	=	0.62	0.31	=
		WBP-E38-C017-P2	IAAP113282	Wall BC 11a and 11	0.31	0.31	U	0.31	0.31	UJ	0.31	0.31	U	0.31	0.31	U	0.32	0.31	=	0.31	0.31	U
		WBP-E38-C017	IAAP112544	Wall BC 11, 12, and 13	0.31	0.31	U	0.31	0.31	U	0.31	0.31	U	0.31	0.31	U	1.50	0.31	=	0.32	0.31	J
		WBP-E38-C003	IAAP112497	Wall BC 13, 14, and 1	0.29	0.29	U	0.29	0.29	U	0.29	0.29	U	0.29	0.29	U	0.29	0.29	U	0.29	0.29	U
		WBP-E38-C014	IAAP112506	Floor BC 8, 9, 10, 11, 12, 13, and 14	0.32	0.32	U	0.32	0.32	U	0.32	0.32	U	0.32	0.32	U	0.73	0.32	=	0.32	0.32	U
		WBP-E38-C015	IAAP112507	Floor BC 1, 2, 3, 6, 7, 8 and 14	0.31	0.31	U	0.31	0.31	U	0.31	0.31	U	0.31	0.31	U	0.31	0.31	U	0.31	0.31	U
		WBP-E38-C016	IAAP112508	Floor BC 3, 4, 5, and 6	0.32	0.32	U	0.32	0.32	U	0.32	0.32	U	0.32	0.32	U	0.32	0.32	U	0.32	0.32	U
		WBP-E38-C016-P2	IAAP113281	Floor BC 4, 4a, 5a, and 5	0.37	0.37	U	0.37	0.37	UJ	0.37	0.37	U	0.37	0.37	U	0.94	0.37	=	1.30	0.37	=
		WBP-E38-C025-P3	IAAP119956	Floor BC 5a, 5, 6, 7, 8, 9, 10, 11, and 11a	0.32	0.32	U	0.32	0.32	U	0.32	0.32	U	0.32	0.32	U	0.32	0.32	U	0.64	0.32	J
B	39	WBP-E39-C001	IAAP112509	north wall BC 1 and 2	0.29	0.29	U	0.29	0.29	U	0.29	0.29	U	0.29	0.29	U	0.29	0.29	U	0.29	0.29	U
		WBP-E39-C002	IAAP112510	east wall BC 2 and 3	0.31	0.31	U	0.31	0.31	U	0.31	0.31	U	0.31	0.31	U	0.31	0.31	U	0.31	0.31	U
		WBP-E39-C003	IAAP112511	south wall BC 3 and 4	0.31	0.31	U	0.31	0.31	U	0.31	0.31	U	0.31	0.31	U	0.31	0.31	U	0.31	0.31	U
		WBP-E39-C004	IAAP112512	west wall BC 1 and 4	0.30	0.3	U	0.30	0.3	U	0.30	0.3	U	0.30	0.3	U	0.30	0.3	U	0.30	0.3	U
		WBP-E39-C005	IAAP112513	floor of EXC	0.32	0.32	U	0.32	0.32	U	0.32	0.32	U	0.32	0.32	U	0.32	0.32	U	0.32	0.32	U
		WBP-E39-C006	IAAP112513-1	FD of IAAP112513	0.32	0.32	U	0.32	0.32	U	0.32	0.32	U	0.32	0.32	U	0.32	0.32	U	0.32	0.32	U
C	40	WBP-E40-C001	IAAP112514	NE wall BC 2 and 3	0.30	0.3	U	0.30	0.3	U	0.30	0.3	U	0.30	0.3	U	0.30	0.3	U	0.30	0.3	U
		WBP-E40-C002	IAAP112515	SE wall BC 3 and 4	0.32	0.32	U	0.32	0.32	U	0.32	0.32	U	0.32	0.32	U	0.32	0.32	U	0.32	0.32	U
		WBP-E40-C003	IAAP112516	SW wall BC 1 and 4	0.33	0.33	U	0.33	0.33	U	0.33	0.33	U	0.33	0.33	U	0.33	0.33	U	0.33	0.33	U
		WBP-E40-C004	IAAP112517	NW wall BC 1 and 2	0.30	0.3	U	0.30	0.3	U	0.30	0.3	U	0.30	0.3	U	0.30	0.3	U	0.30	0.3	U
		WBP-E40-C005	IAAP112518	floor of EXC	0.36	0.36	U	0.36	0.36	U	0.36	0.36	U	0.36	0.36	U	0.36	0.36	U	0.36	0.36	U

Table B-5-1. Soil Verification Data for Explosives at the West Burn Pads South of the Road at the Time of the First Five-Year Review (mg/kg)

Excavation Area	Excavation No.	Station Name	Sample Name	Location	1,3,5-TNB			1,3-DNB			2,4,6-TNT			2,4-DNT			HMX			RDX		
					Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^a :					102	---	---	---	---	---	196	---	---	8.7	---	---	51,000	---	---	53	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :					---	---	---	---	---	---	47.6	---	---	---	---	---	---	---	---	1.3	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^b:					32,000	---	---	82	---	---	9,600	---	---	740	---	---	57,000	---	---	3,800	---	---
<i>Eco CC^c:</i>					---	---	---	2.29	---	---	26.2	---	---	---	---	112	---	---	189	---	---	
F	45	WBP-E45-C015	IAAP122738	Wall BC 75, 76, 77, and 78	0.29	0.29	U	0.29	0.29	U	0.20	0.29	J	0.29	0.29	U	0.46	0.29	J	1.10	0.29	J
		WBP-E45-C048	IAAP130265	Wall BC 7, 8, 9, and 10	0.03	0.03	U	0.04	0.04	U	0.04	0.04	U	0.03	0.03	U	0.09	0.04	J	0.57	0.03	=
		WBP-E45-C052	IAAP130848	Wall BC 10, 11, 12, 13, and 14	0.25	0.25	U	0.25	0.25	U	0.09	0.25	J	0.25	0.25	U	0.09	0.25	J	0.25	0.25	U
		WBP-E45-C051	IAAP130847	Wall BC 14, 15, and 16	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.12	0.25	J	0.68	0.25	=
		WBP-E45-C030	IAAP128652	Wall BC 16, 17, and 18	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.33	0.25	J	0.25	0.25	U
		WBP-E45-C029	IAAP128651	Wall BC 18 and 19	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.09	0.25	J	0.25	0.25	U
		WBP-E45-C028	IAAP128650	Wall BC 19, 20, and 21	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.38	0.25	J	0.25	0.25	U
		WBP-E45-C024	IAAP128648	Wall BC 21, 22, 23, and 24	0.25	0.25	UJ	0.25	0.25	UJ	0.25	0.25	U	0.25	0.25	U	0.22	0.25	J	0.25	0.25	U
		WBP-E45-C041	IAAP129305	Wall BC 24, 25, 26, 27, 28, 29, 30, 31, and 32	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U
		WBP-E45-C018	IAAP128466	Wall BC 32, 33, 34, 35, 36, and 37	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.74	0.25	=	0.44	0.25	=
		WBP-E45-C019	IAAP128467	Wall BC 37, 38, 39, 40, and 41	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.31	0.25	J	0.25	0.25	U
		WBP-E45-C031	IAAP128674	Wall BC 41, 42, 43, and 44	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.22	0.25	J	0.25	0.25	U
		WBP-E45-C032	IAAP128675	Wall BC 44, 45, 46, 47, and 48	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.74	0.25	J	0.46	0.25	=
		WBP-E45-C038	IAAP129042	Wall BC 48, 49, and 50	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.57	0.25	=	0.40	0.25	=
		WBP-E45-C039	IAAP129043	Wall BC 50 and 57	0.25	0.25	U	0.25	0.25	U	0.51	0.25	=	0.25	0.25	U	0.66	0.25	=	0.60	0.25	J
		WBP-E45-C040-P2	IAAP129718	Wall BC 57, 58, 59 and 60	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.43	0.25	=	0.25	0.25	U
		WBP-E41-C010-P2	IAAP120635	Wall BC 61 and 62	0.30	0.3	U	0.30	0.3	U	0.40	0.3	=	0.30	0.3	U	0.97	0.3	=	0.54	0.3	=
		WBP-E41-C012-P2	IAAP120637	Wall BC 62 and 63	0.29	0.29	U	0.29	0.29	U	0.40	0.29	=	0.29	0.29	U	1.40	0.29	=	1.10	0.29	=
WBP-E41-C002	IAAP112520	Wall BC 63 and 64	0.31	0.31	U	0.31	0.31	U	0.31	0.31	U	0.31	0.31	U	1.10	0.31	J	0.53	0.31	J		
WBP-E41-C004	IAAP112521	Wall BC 64 and 65	0.30	0.3	U	0.30	0.3	U	0.30	0.3	U	0.30	0.3	U	1.60	0.3	J	0.41	0.3	J		
WBP-E45-C016	IAAP127714	Wall BC 79, 80, and 81	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	1.60	0.25	J	0.25	0.25	U		
WBP-E45-C017	IAAP127715	Wall BC 81 and 74	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.35	0.25	J	0.28	0.25	=		
Maximum Reported Concentration (Detects & Non-Detects):					0.37	---	U	0.37	---	UJ	0.51	---	=	0.37	---	U	1.60	---	J	1.30	---	=
Maximum Detected Concentration:					NA	---	---	NA	---	---	0.51	---	=	NA	---	---	1.60	---	J	1.30	---	=
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0):					0	---	---	---	---	---	0	---	---	0	---	---	0	---	---	0	---	---
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection):					---	---	---	---	---	---	0	---	---	---	---	---	---	---	---	0	---	---
Number of Sample Results Greater than USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0):					0	---	---	0	---	---	0	---	---	0	---	---	0	---	---	0	---	---
Number of Sample Results Greater than Eco CC:					---	---	---	0	---	---	0	---	---	---	---	0	---	---	0	---	---	

^a Gray-shaded concentrations exceed the corresponding IAAAP OU-1 ROD RGs protective of an industrial worker ingesting soil (USACE 1998a).

^b Concentrations in **bold** exceed the corresponding RSLs (USEPA 2018a) protective of an industrial worker exposed to soil via ingestion, dermal contact, and dust inhalation.

^c Concentrations in *italics* exceed the corresponding Eco CCs calculated for the WBPS.

Notes:

"---" Indicates that there is no comparison value available.

All results and comparison values are in mg/kg.

BC - Between Corners

NA - Maximum detected result is not available because all results reported for the parameter are non-detect.

VQ symbols indicate: “=” positive identification, positive quantitation, no reason to estimate, “U” non-detect, no reason to estimate, “J” positive identification, estimated quantitation, “UJ” analyte was not detected and had QC deficiencies.

Table B-5-2. Soil Verification Data for Metals at the West Burn Pads South of the Road at the Time of the First Five-Year Review (mg/kg)

Excavation Area	Excavation No.	Station Name	Sample Name	Location	Antimony			Arsenic			Barium			Beryllium			Cadmium		
					Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^b :					816	---	---	30	---	---	---	---	---	5	---	---	1,000	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^b :					---	---	---	---	---	---	4,100	---	---	---	---	---	---	---	
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^c:					470	---	---	300	---	---	220,000	---	---	2,300	---	---	980	---	---
<i>Eco CC^d:</i>					<i>8,557</i>	---	---	<i>1,150</i>	---	---	<i>18,567</i>	---	---	---	---	---	<i>570</i>	---	---
B	39	WBP-E39-C001	IAAP112509	north wall BC 1 and 2	4.90	0.57	J	7.90	0.44	=	155.00	0.29	=	0.69	0.34	=	0.21	0.086	=
		WBP-E39-C002	IAAP112510	east wall BC 2 and 3	3.50	0.57	J	5.90	0.44	=	152.00	0.29	=	0.59	0.34	=	0.20	0.086	=
		WBP-E39-C003	IAAP112511	south wall BC 3 and 4	4.40	0.57	J	4.90	0.44	=	138.00	0.29	=	0.65	0.34	=	0.23	0.086	=
		WBP-E39-C004	IAAP112512	west wall BC 1 and 4	3.60	0.57	J	5.70	0.44	=	165.00	0.29	=	0.58	0.34	=	0.28	0.086	=
		WBP-E39-C005	IAAP112513	floor of EXC	3.80	0.57	J	2.20	0.44	=	78.50	0.29	=	0.50	0.34	=	0.13	0.086	=
		WBP-E39-C006	IAAP112513-1	FD of IAAP112513	3.70	0.57	J	2.90	0.44	=	94.20	0.29	=	0.51	0.34	=	0.12	0.086	=
DEF	45	WBP-E45-C030	IAAP128652	Wall BC 16, 17, and 18	---	---	---	---	---	---	239	0.3	J	---	---	---	---	---	---
		WBP-E45-C029	IAAP128651	Wall BC 18 and 19	---	---	---	---	---	---	158	0.3	J	---	---	---	---	---	---
		WBP-E45-C028	IAAP128650	Wall BC 19, 20, and 21	---	---	---	---	---	---	228	0.3	J	---	---	---	---	---	---
		WBP-E45-C024	IAAP128648	Wall BC 21, 22, 23, and 24	---	---	---	---	---	---	2,320	1.5	=	---	---	---	---	---	---
		WBP-E45-C041	IAAP129305	Wall BC 24, 25, 26, 27, 28, 29, 30, 31, and 32	---	---	---	---	---	---	267	0.32	J	---	---	---	---	---	---
		WBP-E45-C018	IAAP128466	Wall BC 32, 33, 34, 35, 36, and 37	---	---	---	---	---	---	1,630	1.5	J	---	---	---	---	---	---
		WBP-E45-C019	IAAP128467	Wall BC 37, 38, 39, 40, and 41	---	---	---	---	---	---	1,760	1.6	J	---	---	---	---	---	---
		WBP-E45-C031	IAAP128674	Wall BC 41, 42, 43, and 44	---	---	---	---	---	---	2,720	3.1	=	---	---	---	---	---	---
		WBP-E45-C032	IAAP128675	Wall BC 44, 45, 46, 47, and 48	---	---	---	---	---	---	2,450	3.2	=	---	---	---	---	---	---
		WBP-E45-C038	IAAP129042	Wall BC 48, 49, and 50	---	---	---	---	---	---	3,330	1.6	=	---	---	---	---	---	---
		WBP-E45-C046	IAAP129719	Wall BC 51, 52, 53, 54, 55, 56, and 57	---	---	---	---	---	---	308	0.15	=	---	---	---	---	---	---
		WBP-E45-C040-P2	IAAP129718	Wall BC 57, 58, 59, and 60	---	---	---	---	---	---	3,560	0.75	=	---	---	---	---	---	---
		WBP-E45-C037	IAAP129041	Wall BC 66, 67, 68, 69, 70, and 71	---	---	---	---	---	---	266	0.32	=	---	---	---	---	---	---
		WBP-E45-C034	IAAP129040	Wall BC 71, 72, 73, and 1	---	---	---	---	---	---	268	0.31	=	---	---	---	---	---	---
Maximum Reported Concentration (Detects and Non-Detects):					4.90	---	J	7.90	---	=	3,560.00	---	=	0.69	---	=	0.28	---	=
Maximum Detected Concentration:					4.90	---	J	7.90	---	=	3,560.00	---	=	0.69	---	=	0.28	---	=
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0):					0	---	---	0	---	---	---	---	---	0	---	---	0	---	---
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection):					---	---	---	---	---	---	0	---	---	---	---	---	---	---	---
Number of Sample Results Greater than USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0):					0	---	---	0	---	---	0	---	---	0	---	---	0	---	---
Number of Sample Results Greater than Eco CC:					0	---	---	0	---	---	0	---	---	---	---	---	0	---	---

^a The IAAAP OU-1 ROD RG and RLS (USEPA 2018a) for industrial soil are presented for chromium are for hexavalent chromium.

^b Gray-shaded concentrations exceed the corresponding IAAAP OU-1 ROD RGs protective of an industrial worker ingesting soil (USACE 1998a).

^c Concentrations in **bold** exceed the corresponding RSLs (USEPA 2018a) protective of an industrial worker exposed to soil via ingestion, dermal contact, and dust inhalation.

^d Concentrations in *italics* exceed the corresponding Eco CCs calculated for the WBPS.

Notes:

"---" Indicates that there is no comparison value available.

All results and comparison values are in mg/kg.

BC - Between Corners

NA - Maximum detected result is not available because all results reported for the parameter are non-detect.

VQ symbols indicate: "=" positive identification, positive quantitation, no reason to estimate, "U" non-detect, no reason to estimate, "J" positive identification, estimated quantitation, "UJ" analyte was not detected and had QC deficiencies.

Table B-5-2. Soil Verification Data for Metals at the West Burn Pads South of the Road at the Time of the

Excavation Area	Excavation No.	Station Name	Sample Name	Location	Chromium ^a			Cobalt			Copper			Lead			Manganese		
					Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^b :					10,000	---	---	---	---	---	---	---	---	---	---	---	---	---	
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^b :					---	---	---	---	---	---	---	---	---	---	---	---	---		
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^c:					630	---	---	350	---	---	47,000	---	---	800	---	---	26,000	---	---
<i>Eco CC^d</i> :					---	---	---	<i>5,476</i>	---	---	<i>2,445</i>	---	---	<i>86,253</i>	---	---	<i>162,010</i>	---	---
B	39	WBP-E39-C001	IAAP112509	north wall BC 1 and 2	13.00	0.61	=	9.70	0.59	=	10.70	0.8	=	21.90	0.34	=	753.00	0.31	=
		WBP-E39-C002	IAAP112510	east wall BC 2 and 3	12.80	0.61	=	7.50	0.59	=	11.10	0.8	=	12.70	0.34	=	565.00	0.31	=
		WBP-E39-C003	IAAP112511	south wall BC 3 and 4	13.40	0.61	=	11.00	0.59	=	10.10	0.8	=	18.50	0.34	=	913.00	0.31	=
		WBP-E39-C004	IAAP112512	west wall BC 1 and 4	12.00	0.61	=	8.60	0.59	=	9.20	0.8	=	98.70	0.34	=	686.00	0.31	=
		WBP-E39-C005	IAAP112513	floor of EXC	10.30	0.61	=	5.60	0.59	=	3.60	0.8	=	12.80	0.34	=	265.00	0.31	=
		WBP-E39-C006	IAAP112513-1	FD of IAAP112513	11.30	0.61	=	4.90	0.59	=	3.90	0.8	=	14.60	0.34	=	223.00	0.31	=
DEF	45	WBP-E45-C030	IAAP128652	Wall BC 16, 17, and 18	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		WBP-E45-C029	IAAP128651	Wall BC 18 and 19	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		WBP-E45-C028	IAAP128650	Wall BC 19, 20, and 21	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		WBP-E45-C024	IAAP128648	Wall BC 21, 22, 23, and 24	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		WBP-E45-C041	IAAP129305	Wall BC 24, 25, 26, 27, 28, 29, 30, 31, and 32	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		WBP-E45-C018	IAAP128466	Wall BC 32, 33, 34, 35, 36, and 37	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		WBP-E45-C019	IAAP128467	Wall BC 37, 38, 39, 40, and 41	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		WBP-E45-C031	IAAP128674	Wall BC 41, 42, 43, and 44	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		WBP-E45-C032	IAAP128675	Wall BC 44, 45, 46, 47, and 48	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		WBP-E45-C038	IAAP129042	Wall BC 48, 49, and 50	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		WBP-E45-C046	IAAP129719	Wall BC 51, 52, 53, 54, 55, 56, and 57	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		WBP-E45-C040-P2	IAAP129718	Wall BC 57, 58, 59, and 60	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		WBP-E45-C037	IAAP129041	Wall BC 66, 67, 68, 69, 70, and 71	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		WBP-E45-C034	IAAP129040	Wall BC 71, 72, 73, and 1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Maximum Reported Concentration (Detects and Non-Detects):					13.40	---	=	11.00	---	=	11.10	---	=	98.70	---	=	913.00	---	=
Maximum Detected Concentration:					13.40	---	=	11.00	---	=	11.10	---	=	98.70	---	=	913.00	---	=
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0):					0	---	---	---	---	---	---	---	---	0	---	---	---	---	---
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection):					---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Number of Sample Results Greater than USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0):					0	---	---	0	---	---	0	---	---	0	---	---	0	---	---
Number of Sample Results Greater than Eco CC:					---	---	---	0	---	---	0	---	---	0	---	---	0	---	---

^a The IAAAP OU-1 ROD RG and RLS (USEPA 2018a) for industrial soil are presented for chromium are for hexavalent chromium.

^b Gray-shaded concentrations exceed the corresponding IAAAP OU-1 ROD RGs protective of an industrial worker ingesting soil (USACE 1998a).

^c Concentrations in **bold** exceed the corresponding RSLs (USEPA 2018a) protective of an industrial worker exposed to soil via ingestion, dermal contact, and dust inhalation.

^d Concentrations in *italics* exceed the corresponding Eco CCs calculated for the WBPS.

Notes:

"---" Indicates that there is no comparison value available.

All results and comparison values are in mg/kg.

BC - Between Corners

NA - Maximum detected result is not available because all results reported for the parameter are non-detect.

VQ symbols indicate: "=" positive identification, positive quantitation, no reason to estimate, "U" non-detect, no reason to estimate, "J" positive identification, estimated quantitation, "UJ" analyte was not detected and had QC deficiencies.

Table B-5-2. Soil Verification Data for Metals at the West Burn Pads South of the Road at the Time of the

Excavation Area	Excavation No.	Station Name	Sample Name	Location	Mercury			Nickel			Selenium			Silver			Thallium			Vanadium		
					Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0) ^b :					---	---	---	---	---	---	---	---	---	---	---	---	143	---	---	---	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^b :					---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0)^c:					46	---	---	22,000	---	---	5,800	---	---	5,800	---	---	23	---	---	5,800	---	---
<i>Eco CC^d:</i>					<i>13.7</i>	---	---	<i>22,818</i>	---	---	<i>11.9</i>	---	---	<i>676</i>	---	---	<i>67.5</i>	---	---	<i>13,069</i>	---	---
B	39	WBP-E39-C001	IAAP112509	north wall BC 1 and 2	0.02	0.012	=	16.70	0.45	=	0.58	0.58	U	0.73	0.73	U	1.40	1.4	U	31.10	0.69	J
		WBP-E39-C002	IAAP112510	east wall BC 2 and 3	0.02	0.012	=	16.00	0.45	=	0.58	0.58	U	0.73	0.73	U	0.57	0.57	U	25.80	0.69	J
		WBP-E39-C003	IAAP112511	south wall BC 3 and 4	0.01	0.012	U	24.10	0.45	=	0.58	0.58	U	0.73	0.73	U	1.40	1.4	U	27.80	0.69	J
		WBP-E39-C004	IAAP112512	west wall BC 1 and 4	0.01	0.012	=	13.80	0.45	=	0.58	0.58	U	0.73	0.73	U	1.40	1.4	U	25.90	0.69	J
		WBP-E39-C005	IAAP112513	floor of EXC	0.01	0.012	U	5.80	0.45	=	0.58	0.58	U	0.73	0.73	U	0.57	0.57	U	21.20	0.69	J
		WBP-E39-C006	IAAP112513-1	FD of IAAP112513	0.01	0.012	U	6.80	0.45	=	0.58	0.58	U	0.73	0.73	U	0.57	0.57	U	22.70	0.69	J
DEF	45	WBP-E45-C030	IAAP128652	Wall BC 16, 17, and 18	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		WBP-E45-C029	IAAP128651	Wall BC 18 and 19	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		WBP-E45-C028	IAAP128650	Wall BC 19, 20, and 21	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		WBP-E45-C024	IAAP128648	Wall BC 21, 22, 23, and 24	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		WBP-E45-C041	IAAP129305	Wall BC 24, 25, 26, 27, 28, 29, 30, 31, and 32	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		WBP-E45-C018	IAAP128466	Wall BC 32, 33, 34, 35, 36, and 37	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		WBP-E45-C019	IAAP128467	Wall BC 37, 38, 39, 40, and 41	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		WBP-E45-C031	IAAP128674	Wall BC 41, 42, 43, and 44	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		WBP-E45-C032	IAAP128675	Wall BC 44, 45, 46, 47, and 48	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		WBP-E45-C038	IAAP129042	Wall BC 48, 49, and 50	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		WBP-E45-C046	IAAP129719	Wall BC 51, 52, 53, 54, 55, 56, and 57	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		WBP-E45-C040-P2	IAAP129718	Wall BC 57, 58, 59, and 60	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		WBP-E45-C037	IAAP129041	Wall BC 66, 67, 68, 69, 70, and 71	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		WBP-E45-C034	IAAP129040	Wall BC 71, 72, 73, and 1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Maximum Reported Concentration (Detects and Non-Detects):					0.02	---	=	24.10	---	=	0.58	---	U	0.73	---	U	1.40	---	U	31.10	---	J
Maximum Detected Concentration:					0.02	---	=	24.10	---	=	NA	---	---	NA	---	---	NA	---	---	31.10	---	J
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TECR=1E-06; THQ=1.0):					---	---	---	---	---	---	---	---	---	---	---	0	---	---	---	---	---	
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection):					---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Number of Sample Results Greater than USEPA RSL for Industrial Soil (TECR=1E-04; THQ=1.0):					0	---	---	0	---	---	0	---	---	0	---	---	0	---	---	0	---	---
Number of Sample Results Greater than Eco CC:					0	---	---	0	---	---	0	---	---	0	---	---	0	---	---	0	---	---

^a The IAAAP OU-1 ROD RG and RLS (USEPA 2018a) for industrial soil are presented for chromium are for hexavalent chromium.

^b Gray-shaded concentrations exceed the corresponding IAAAP OU-1 ROD RGs protective of an industrial worker ingesting soil (USACE 1998a).

^c Concentrations in **bold** exceed the corresponding RSLs (USEPA 2018a) protective of an industrial worker exposed to soil via ingestion, dermal contact, and dust inhalation.

^d Concentrations in *italics* exceed the corresponding Eco CCs calculated for the WBPS.

Notes:

"---" Indicates that there is no comparison value available.

All results and comparison values are in mg/kg.

BC - Between Corners

NA - Maximum detected result is not available because all results reported for the parameter are non-detect.

VQ symbols indicate: "=" positive identification, positive quantitation, no reason to estimate, "U" non-detect, no reason to estimate, "J" positive identification, estimated quantitation, "UJ" analyte was not detected and had QC deficiencies.

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APPENDIX C

EPC CALCULATIONS FOR LINE 1

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Table C-1a. UCL Statistics for Uncensored Full Data Sets
Post-Remedy Soil Data for Select Explosives Constituents at IAAAP Line 1, All Detections Plus Half Detection Limits for Non-Detects (mg/kg)

User Selected Options
 Date/Time of Computation ProUCL 5.12/9/2018 9:43:06 AM
 From File EPC Calcs_Line 1_Explo Rev_d.xls
 Full Precision OFF
 Confidence Coefficient 95%
 Number of Bootstrap Operations 2000

1,3-Dinitrobenzene (mg/kg)

General Statistics			
Total Number of Observations	1240	Number of Distinct Observations	14
Minimum	0.11	Number of Missing Observations	0
Maximum	0.175	Mean	0.126
SD	0.00704	Median	0.125
Coefficient of Variation	0.0557	Std. Error of Mean	1.9987E-4
		Skewness	4.361
Normal GOF Test			
Shapiro Wilk Test Statistic	0.308	Shapiro Wilk GOF Test	
5% Shapiro Wilk P Value	0	Data Not Normal at 5% Significance Level	
Lilliefors Test Statistic	0.52	Lilliefors GOF Test	
5% Lilliefors Critical Value	0.0254	Data Not Normal at 5% Significance Level	
Data Not Normal at 5% Significance Level			
Assuming Normal Distribution			
95% Normal UCL		95% UCLs (Adjusted for Skewness)	
95% Student's-t UCL	0.127	95% Adjusted-CLT UCL (Chen-1995)	0.127
		95% Modified-t UCL (Johnson-1978)	0.127
Gamma GOF Test			
A-D Test Statistic	387.1	Anderson-Darling Gamma GOF Test	
5% A-D Critical Value	0.752	Data Not Gamma Distributed at 5% Significance Level	
K-S Test Statistic	0.519	Kolmogorov-Smirnov Gamma GOF Test	
5% K-S Critical Value	0.0269	Data Not Gamma Distributed at 5% Significance Level	
Data Not Gamma Distributed at 5% Significance Level			
Gamma Statistics			
k hat (MLE)	372	k star (bias corrected MLE)	371.1
Theta hat (MLE)	3.3952E-4	Theta star (bias corrected MLE)	3.4034E-4
nu hat (MLE)	922567	nu star (bias corrected)	920336
MLE Mean (bias corrected)	0.126	MLE Sd (bias corrected)	0.00656
Adjusted Level of Significance	0.0498	Approximate Chi Square Value (0.05)	918106
		Adjusted Chi Square Value	918103
Assuming Gamma Distribution			
95% Approximate Gamma UCL (use when n>=50))	0.127	95% Adjusted Gamma UCL (use when n<50)	0.127
Lognormal GOF Test			
Shapiro Wilk Test Statistic	0.319	Shapiro Wilk Lognormal GOF Test	
5% Shapiro Wilk P Value	0	Data Not Lognormal at 5% Significance Level	
Lilliefors Test Statistic	0.518	Lilliefors Lognormal GOF Test	
5% Lilliefors Critical Value	0.0254	Data Not Lognormal at 5% Significance Level	
Data Not Lognormal at 5% Significance Level			
Lognormal Statistics			
Minimum of Logged Data	-2.207	Mean of logged Data	-2.07
Maximum of Logged Data	-1.743	SD of logged Data	0.0501
Assuming Lognormal Distribution			
95% H-UCL	N/A	90% Chebyshev (MVUE) UCL	0.127
95% Chebyshev (MVUE) UCL	0.127	97.5% Chebyshev (MVUE) UCL	0.127
99% Chebyshev (MVUE) UCL	0.128		
Nonparametric Distribution Free UCL Statistics			
Data do not follow a Discernible Distribution (0.05)			
Nonparametric Distribution Free UCLs			
95% CLT UCL	0.127	95% Jackknife UCL	0.127
95% Standard Bootstrap UCL	0.127	95% Bootstrap-t UCL	0.127
95% Hall's Bootstrap UCL	0.127	95% Percentile Bootstrap UCL	0.127
95% BCA Bootstrap UCL	0.127		
90% Chebyshev(Mean, Sd) UCL	0.127	95% Chebyshev(Mean, Sd) UCL	0.127
97.5% Chebyshev(Mean, Sd) UCL	0.128	99% Chebyshev(Mean, Sd) UCL	0.128
Suggested UCL to Use			
95% Student's-t UCL	0.127	or 95% Modified-t UCL	0.127

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL. Recommendations are based upon data size, data distribution, and skewness. These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006). However, simulation results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

Table C-1a. UCL Statistics for Uncensored Full Data Sets
Post-Remedy Soil Data for Select Explosives Constituents at IAAP Line 1, All Detections Plus Half Detection Limits for Non-Detects (mg/kg)

User Selected Options
 Date/Time of Computation ProUCL 5.12/9/2018 9:43:06 AM
 From File EPC Calcs_Line 1_Explo Rev_d.xls
 Full Precision OFF
 Confidence Coefficient 95%
 Number of Bootstrap Operations 2000

2,4,6-Trinitrotoluene (mg/kg)

General Statistics			
Total Number of Observations	1401	Number of Distinct Observations	76
Minimum	0.0295	Number of Missing Observations	0
Maximum	11	Mean	0.16
SD	0.4	Median	0.125
Coefficient of Variation	2.506	Std. Error of Mean	0.0107
		Skewness	22.05
Normal GOF Test			
Shapiro Wilk Test Statistic	0.0844	Shapiro Wilk GOF Test	
5% Shapiro Wilk P Value	0	Data Not Normal at 5% Significance Level	
Lilliefors Test Statistic	0.434	Lilliefors GOF Test	
5% Lilliefors Critical Value	0.0239	Data Not Normal at 5% Significance Level	
Data Not Normal at 5% Significance Level			
Assuming Normal Distribution			
95% Normal UCL		95% UCLs (Adjusted for Skewness)	
95% Student's-t UCL	0.177	95% Adjusted-CLT UCL (Chen-1995)	0.184
		95% Modified-t UCL (Johnson-1978)	0.178
Gamma GOF Test			
A-D Test Statistic	7.138E+27	Anderson-Darling Gamma GOF Test	
5% A-D Critical Value	0.76	Data Not Gamma Distributed at 5% Significance Level	
K-S Test Statistic	0.381	Kolmogorov-Smirnov Gamma GOF Test	
5% K-S Critical Value	0.0261	Data Not Gamma Distributed at 5% Significance Level	
Data Not Gamma Distributed at 5% Significance Level			
Gamma Statistics			
k hat (MLE)	3.122	k star (bias corrected MLE)	3.116
Theta hat (MLE)	0.0512	Theta star (bias corrected MLE)	0.0513
nu hat (MLE)	8748	nu star (bias corrected)	8731
MLE Mean (bias corrected)	0.16	MLE Sd (bias corrected)	0.0905
Adjusted Level of Significance	0.0498	Approximate Chi Square Value (0.05)	8514
		Adjusted Chi Square Value	8514
Assuming Gamma Distribution			
95% Approximate Gamma UCL (use when n>=50))	0.164	95% Adjusted Gamma UCL (use when n<50)	0.164
Lognormal GOF Test			
Shapiro Wilk Test Statistic	0.418	Shapiro Wilk Lognormal GOF Test	
5% Shapiro Wilk P Value	0	Data Not Lognormal at 5% Significance Level	
Lilliefors Test Statistic	0.384	Lilliefors Lognormal GOF Test	
5% Lilliefors Critical Value	0.0239	Data Not Lognormal at 5% Significance Level	
Data Not Lognormal at 5% Significance Level			
Lognormal Statistics			
Minimum of Logged Data	-3.523	Mean of logged Data	-2.003
Maximum of Logged Data	2.398	SD of logged Data	0.333
Assuming Lognormal Distribution			
95% H-UCL	N/A	90% Chebyshev (MVUE) UCL	0.147
95% Chebyshev (MVUE) UCL	0.148	97.5% Chebyshev (MVUE) UCL	0.151
99% Chebyshev (MVUE) UCL	0.156		
Nonparametric Distribution Free UCL Statistics			
Data do not follow a Discernible Distribution (0.05)			
Nonparametric Distribution Free UCLs			
95% CLT UCL	0.177	95% Jackknife UCL	0.177
95% Standard Bootstrap UCL	0.177	95% Bootstrap-t UCL	0.206
95% Hall's Bootstrap UCL	0.246	95% Percentile Bootstrap UCL	0.18
95% BCA Bootstrap UCL	0.186		
90% Chebyshev (Mean, Sd) UCL	0.192	95% Chebyshev (Mean, Sd) UCL	0.206
97.5% Chebyshev (Mean, Sd) UCL	0.227	99% Chebyshev (Mean, Sd) UCL	0.266
Suggested UCL to Use			
95% Student's-t UCL	0.177	or 95% Modified-t UCL	0.178

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL. Recommendations are based upon data size, data distribution, and skewness.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006). However, simulation results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

Table C-1a. UCL Statistics for Uncensored Full Data Sets
Post-Remedy Soil Data for Select Explosives Constituents at IAAP Line 1, All Detections Plus Half Detection Limits for Non-Detects (mg/kg)

User Selected Options
 Date/Time of Computation ProUCL 5.12/9/2018 9:43:06 AM
 From File EPC Calcs_Line 1_Explo Rev_d.xls
 Full Precision OFF
 Confidence Coefficient 95%
 Number of Bootstrap Operations 2000

HMX (mg/kg)

General Statistics			
Total Number of Observations	1401	Number of Distinct Observations	185
Minimum	0.02	Number of Missing Observations	0
Maximum	330	Mean	1.073
SD	9.393	Median	0.3
Coefficient of Variation	8.75	Std. Error of Mean	0.251
		Skewness	31.46
Normal GOF Test			
Shapiro Wilk Test Statistic	0.0736	Shapiro Wilk GOF Test	
5% Shapiro Wilk P Value	0	Data Not Normal at 5% Significance Level	
Lilliefors Test Statistic	0.458	Lilliefors GOF Test	
5% Lilliefors Critical Value	0.0239	Data Not Normal at 5% Significance Level	
Data Not Normal at 5% Significance Level			
Assuming Normal Distribution			
95% Normal UCL	95% Student's-t UCL	1.487	95% UCLs (Adjusted for Skewness)
			95% Adjusted-CLT UCL (Chen-1995)
			95% Modified-t UCL (Johnson-1978)
			1.712
			1.522
Gamma GOF Test			
A-D Test Statistic	7.138E+27	Anderson-Darling Gamma GOF Test	
5% A-D Critical Value	0.815	Data Not Gamma Distributed at 5% Significance Level	
K-S Test Statistic	0.283	Kolmogorov-Smirnov Gamma GOF Test	
5% K-S Critical Value	0.0272	Data Not Gamma Distributed at 5% Significance Level	
Data Not Gamma Distributed at 5% Significance Level			
Gamma Statistics			
k hat (MLE)	0.584	k star (bias corrected MLE)	0.583
Theta hat (MLE)	1.838	Theta star (bias corrected MLE)	1.84
nu hat (MLE)	1637	nu star (bias corrected)	1634
MLE Mean (bias corrected)	1.073	MLE Sd (bias corrected)	1.406
Adjusted Level of Significance	0.0498	Approximate Chi Square Value (0.05)	1541
		Adjusted Chi Square Value	1541
Assuming Gamma Distribution			
95% Approximate Gamma UCL (use when n>=50)	1.138	95% Adjusted Gamma UCL (use when n<50)	1.138
Lognormal GOF Test			
Shapiro Wilk Test Statistic	0.878	Shapiro Wilk Lognormal GOF Test	
5% Shapiro Wilk P Value	0	Data Not Lognormal at 5% Significance Level	
Lilliefors Test Statistic	0.207	Lilliefors Lognormal GOF Test	
5% Lilliefors Critical Value	0.0239	Data Not Lognormal at 5% Significance Level	
Data Not Lognormal at 5% Significance Level			
Lognormal Statistics			
Minimum of Logged Data	-3.912	Mean of logged Data	-0.991
Maximum of Logged Data	5.799	SD of logged Data	1.158
Assuming Lognormal Distribution			
95% H-UCL	N/A	90% Chebyshev (MVUE) UCL	0.812
95% Chebyshev (MVUE) UCL	0.852	97.5% Chebyshev (MVUE) UCL	0.906
99% Chebyshev (MVUE) UCL	1.013		
Nonparametric Distribution Free UCL Statistics			
Data do not follow a Discernible Distribution (0.05)			
Nonparametric Distribution Free UCLs			
95% CLT UCL	1.486	95% Jackknife UCL	1.487
95% Standard Bootstrap UCL	1.488	95% Bootstrap-t UCL	2.468
95% Hall's Bootstrap UCL	2.844	95% Percentile Bootstrap UCL	1.546
95% BCA Bootstrap UCL	1.946		
90% Chebyshev (Mean, Sd) UCL	1.826	95% Chebyshev (Mean, Sd) UCL	2.167
97.5% Chebyshev (Mean, Sd) UCL	2.641	99% Chebyshev (Mean, Sd) UCL	3.57
Suggested UCL to Use			
95% Chebyshev (Mean, Sd) UCL	2.167		

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL. Recommendations are based upon data size, data distribution, and skewness. These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006). However, simulation results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

Table C-1a. UCL Statistics for Uncensored Full Data Sets
Post-Remedy Soil Data for Select Explosives Constituents at IAAP Line 1, All Detections Plus Half Detection Limits for Non-Detects (mg/kg)

User Selected Options
 Date/Time of Computation ProUCL 5.12/9/2018 9:43:06 AM
 From File EPC Calcs_Line 1_Explo Rev_d.xls
 Full Precision OFF
 Confidence Coefficient 95%
 Number of Bootstrap Operations 2000

RDX (mg/kg)

General Statistics			
Total Number of Observations	1402	Number of Distinct Observations	138
Minimum	0.024	Number of Missing Observations	0
Maximum	200	Mean	0.552
SD	5.533	Median	0.238
Coefficient of Variation	10.02	Std. Error of Mean	0.148
		Skewness	33.94
Normal GOF Test			
Shapiro Wilk Test Statistic	0.0556	Shapiro Wilk GOF Test	
5% Shapiro Wilk P Value	0	Data Not Normal at 5% Significance Level	
Lilliefors Test Statistic	0.462	Lilliefors GOF Test	
5% Lilliefors Critical Value	0.0239	Data Not Normal at 5% Significance Level	
Data Not Normal at 5% Significance Level			
Assuming Normal Distribution			
95% Normal UCL	95% Student's-t UCL	0.795	95% UCLs (Adjusted for Skewness)
			95% Adjusted-CLT UCL (Chen-1995)
			95% Modified-t UCL (Johnson-1978)
			0.938
			0.818
Gamma GOF Test			
A-D Test Statistic	7.133E+27	Anderson-Darling Gamma GOF Test	
5% A-D Critical Value	0.795	Data Not Gamma Distributed at 5% Significance Level	
K-S Test Statistic	0.333	Kolmogorov-Smirnov Gamma GOF Test	
5% K-S Critical Value	0.0268	Data Not Gamma Distributed at 5% Significance Level	
Data Not Gamma Distributed at 5% Significance Level			
Gamma Statistics			
k hat (MLE)	0.782	k star (bias corrected MLE)	0.781
Theta hat (MLE)	0.706	Theta star (bias corrected MLE)	0.707
nu hat (MLE)	2194	nu star (bias corrected)	2190
MLE Mean (bias corrected)	0.552	MLE Sd (bias corrected)	0.625
Adjusted Level of Significance	0.0498	Approximate Chi Square Value (0.05)	2083
		Adjusted Chi Square Value	2083
Assuming Gamma Distribution			
95% Approximate Gamma UCL (use when n>=50))	0.581	95% Adjusted Gamma UCL (use when n<50)	0.581
Lognormal GOF Test			
Shapiro Wilk Test Statistic	0.84	Shapiro Wilk Lognormal GOF Test	
5% Shapiro Wilk P Value	0	Data Not Lognormal at 5% Significance Level	
Lilliefors Test Statistic	0.215	Lilliefors Lognormal GOF Test	
5% Lilliefors Critical Value	0.0239	Data Not Lognormal at 5% Significance Level	
Data Not Lognormal at 5% Significance Level			
Lognormal Statistics			
Minimum of Logged Data	-3.73	Mean of logged Data	-1.355
Maximum of Logged Data	5.298	SD of logged Data	0.808
Assuming Lognormal Distribution			
95% H-UCL	N/A	90% Chebyshev (MVUE) UCL	0.384
95% Chebyshev (MVUE) UCL	0.396	97.5% Chebyshev (MVUE) UCL	0.413
99% Chebyshev (MVUE) UCL	0.446		
Nonparametric Distribution Free UCL Statistics			
Data do not follow a Discernible Distribution (0.05)			
Nonparametric Distribution Free UCLs			
95% CLT UCL	0.795	95% Jackknife UCL	0.795
95% Standard Bootstrap UCL	0.798	95% Bootstrap-t UCL	1.989
95% Hall's Bootstrap UCL	1.618	95% Percentile Bootstrap UCL	0.825
95% BCA Bootstrap UCL	1.112		
90% Chebyshev (Mean, Sd) UCL	0.996	95% Chebyshev (Mean, Sd) UCL	1.196
97.5% Chebyshev (Mean, Sd) UCL	1.475	99% Chebyshev (Mean, Sd) UCL	2.023
Suggested UCL to Use			
95% Chebyshev (Mean, Sd) UCL	1.196		

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL. Recommendations are based upon data size, data distribution, and skewness. These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006). However, simulation results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

Table C-1b. UCL Statistics for Uncensored Full Data Sets
Post-Remedy Soil Data for Select Polychlorinated Biphenyls Constituents at IAAAP Line 1, All Detections Plus Half Detection Limits for Non-Detects (mg/kg)

User Selected Options
 Date/Time of Computation ProUCL 5.11/22/2018 10:46:51 AM
 From File OU1 Tech Assessment EPC Calcs_Line1_a.xls
 Full Precision OFF
 Confidence Coefficient 95%
 Number of Bootstrap Operations 2000

Aroclor-1254 (mg/kg)

General Statistics			
Total Number of Observations	80	Number of Distinct Observations	17
Minimum	0.0175	Number of Missing Observations	0
Maximum	0.88	Mean	0.0443
SD	0.123	Median	0.021
Coefficient of Variation	2.765	Std. Error of Mean	0.0137
		Skewness	5.68
Normal GOF Test			
Shapiro Wilk Test Statistic	0.224	Shapiro Wilk GOF Test	
5% Shapiro Wilk P Value	0	Data Not Normal at 5% Significance Level	
Lilliefors Test Statistic	0.496	Lilliefors GOF Test	
5% Lilliefors Critical Value	0.0991	Data Not Normal at 5% Significance Level	
Data Not Normal at 5% Significance Level			
Assuming Normal Distribution			
95% Normal UCL		95% UCLs (Adjusted for Skewness)	
95% Student's-t UCL	0.0671	95% Adjusted-CLT UCL (Chen-1995)	0.0762
		95% Modified-t UCL (Johnson-1978)	0.0686
Gamma GOF Test			
A-D Test Statistic	25.99	Anderson-Darling Gamma GOF Test	
5% A-D Critical Value	0.784	Data Not Gamma Distributed at 5% Significance Level	
K-S Test Statistic	0.517	Kolmogorov-Smirnov Gamma GOF Test	
5% K-S Critical Value	0.103	Data Not Gamma Distributed at 5% Significance Level	
Data Not Gamma Distributed at 5% Significance Level			
Gamma Statistics			
k hat (MLE)	0.945	k star (bias corrected MLE)	0.918
Theta hat (MLE)	0.0469	Theta star (bias corrected MLE)	0.0483
nu hat (MLE)	151.3	nu star (bias corrected)	146.9
MLE Mean (bias corrected)	0.0443	MLE Sd (bias corrected)	0.0463
Adjusted Level of Significance	0.047	Approximate Chi Square Value (0.05)	119.9
		Adjusted Chi Square Value	119.5
Assuming Gamma Distribution			
95% Approximate Gamma UCL (use when n>=50)	0.0543	95% Adjusted Gamma UCL (use when n<50)	0.0545
Lognormal GOF Test			
Shapiro Wilk Test Statistic	0.332	Shapiro Wilk Lognormal GOF Test	
5% Shapiro Wilk P Value	0	Data Not Lognormal at 5% Significance Level	
Lilliefors Test Statistic	0.464	Lilliefors Lognormal GOF Test	
5% Lilliefors Critical Value	0.0991	Data Not Lognormal at 5% Significance Level	
Data Not Lognormal at 5% Significance Level			
Lognormal Statistics			
Minimum of Logged Data	-4.046	Mean of logged Data	-3.731
Maximum of Logged Data	-0.128	SD of logged Data	0.661
Assuming Lognormal Distribution			
95% H-UCL	0.0345	90% Chebyshev (MVUE) UCL	0.0369
95% Chebyshev (MVUE) UCL	0.0402	97.5% Chebyshev (MVUE) UCL	0.0447
99% Chebyshev (MVUE) UCL	0.0536		
Nonparametric Distribution Free UCL Statistics			
Data do not follow a Discernible Distribution (0.05)			
Nonparametric Distribution Free UCLs			
95% CLT UCL	0.0669	95% Jackknife UCL	0.0671
95% Standard Bootstrap UCL	0.0666	95% Bootstrap-t UCL	0.0965
95% Hall's Bootstrap UCL	0.0685	95% Percentile Bootstrap UCL	0.0698
95% BCA Bootstrap UCL	0.077		
90% Chebyshev(Mean, Sd) UCL	0.0854	95% Chebyshev(Mean, Sd) UCL	0.104
97.5% Chebyshev(Mean, Sd) UCL	0.13	99% Chebyshev(Mean, Sd) UCL	0.181
Suggested UCL to Use			
95% Chebyshev (Mean, Sd) UCL	0.104		

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL. Recommendations are based upon data size, data distribution, and skewness. These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006). However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

Table C-1b. UCL Statistics for Uncensored Full Data Sets
Post-Remedy Soil Data for Select Polychlorinated Biphenyls Constituents at IAAAP Line 1, All Detections Plus Half Detection Limits for Non-Detects (mg/kg)

User Selected Options
 Date/Time of Computation ProUCL 5.11/22/2018 10:46:51 AM
 From File OU1 Tech Assessment EPC Calcs_Line1_a.xls
 Full Precision OFF
 Confidence Coefficient 95%
 Number of Bootstrap Operations 2000

Aroclor-1260 (mg/kg)

		General Statistics			
Total Number of Observations	80			Number of Distinct Observations	42
				Number of Missing Observations	0
Minimum	0.0065			Mean	0.241
Maximum	5.3			Median	0.0218
SD	0.772			Std. Error of Mean	0.0863
Coefficient of Variation	3.201			Skewness	4.917
		Normal GOF Test		Shapiro Wilk GOF Test	
Shapiro Wilk Test Statistic	0.341			Data Not Normal at 5% Significance Level	
5% Shapiro Wilk P Value	0			Lilliefors GOF Test	
Lilliefors Test Statistic	0.384			Data Not Normal at 5% Significance Level	
5% Lilliefors Critical Value	0.0991				
Data Not Normal at 5% Significance Level					
		Assuming Normal Distribution		95% UCLs (Adjusted for Skewness)	
95% Normal UCL				95% Adjusted-CLT UCL (Chen-1995)	0.434
95% Student's-t UCL	0.385			95% Modified-t UCL (Johnson-1978)	0.393
		Gamma GOF Test		Anderson-Darling Gamma GOF Test	
A-D Test Statistic	15.13			Data Not Gamma Distributed at 5% Significance Level	
5% A-D Critical Value	0.843			Kolmogorov-Smirnov Gamma GOF Test	
K-S Test Statistic	0.337			Data Not Gamma Distributed at 5% Significance Level	
5% K-S Critical Value	0.107				
Data Not Gamma Distributed at 5% Significance Level					
		Gamma Statistics			
k hat (MLE)	0.393			k star (bias corrected MLE)	0.387
Theta hat (MLE)	0.613			Theta star (bias corrected MLE)	0.623
nu hat (MLE)	62.94			nu star (bias corrected)	61.92
MLE Mean (bias corrected)	0.241			MLE Sd (bias corrected)	0.388
Adjusted Level of Significance	0.047			Approximate Chi Square Value (0.05)	44.82
				Adjusted Chi Square Value	44.55
		Assuming Gamma Distribution			
95% Approximate Gamma UCL (use when n>=50)	0.333			95% Adjusted Gamma UCL (use when n<50)	0.335
		Lognormal GOF Test		Shapiro Wilk Lognormal GOF Test	
Shapiro Wilk Test Statistic	0.709			Data Not Lognormal at 5% Significance Level	
5% Shapiro Wilk P Value	0			Lilliefors Lognormal GOF Test	
Lilliefors Test Statistic	0.303			Data Not Lognormal at 5% Significance Level	
5% Lilliefors Critical Value	0.0991				
Data Not Lognormal at 5% Significance Level					
		Lognormal Statistics			
Minimum of Logged Data	-5.036			Mean of logged Data	-3.099
Maximum of Logged Data	1.668			SD of logged Data	1.395
		Assuming Lognormal Distribution			
95% H-UCL	0.182			90% Chebyshev (MVUE) UCL	0.189
95% Chebyshev (MVUE) UCL	0.222			97.5% Chebyshev (MVUE) UCL	0.268
99% Chebyshev (MVUE) UCL	0.358				
Nonparametric Distribution Free UCL Statistics					
Data do not follow a Discernible Distribution (0.05)					
		Nonparametric Distribution Free UCLs			
95% CLT UCL	0.383			95% Jackknife UCL	0.385
95% Standard Bootstrap UCL	0.381			95% Bootstrap-t UCL	0.525
95% Hall's Bootstrap UCL	0.498			95% Percentile Bootstrap UCL	0.397
95% BCA Bootstrap UCL	0.474				
90% Chebyshev(Mean, Sd) UCL	0.5			95% Chebyshev(Mean, Sd) UCL	0.618
97.5% Chebyshev(Mean, Sd) UCL	0.78			99% Chebyshev(Mean, Sd) UCL	1.1
		Suggested UCL to Use			
95% Chebyshev (Mean, Sd) UCL	0.618				

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL. Recommendations are based upon data size, data distribution, and skewness. These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006). However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

Table C-1c. UCL Statistics for Uncensored Full Data Sets
Post-Remedy Data for Select Metals Constituents at IAAAP Line 1, All Detections Plus Half Detection Limits for Non-Detects (mg/kg)

User Selected Options
 Date/Time of Computation ProUCL 5.14/15/2018 1:36:46 PM
 From File Tbls B-1a thru B-4c_EPC Calcs_Line 1_g.xls
 Full Precision OFF
 Confidence Coefficient 95%
 Number of Bootstrap Operations 2000

Barium (mg/kg)

General Statistics			
Total Number of Observations	286	Number of Distinct Observations	131
Minimum	8.9	Number of Missing Observations	0
Maximum	16600	Mean	276
SD	1198	Median	170
Coefficient of Variation	4.341	Std. Error of Mean	70.85
		Skewness	12.24
Normal GOF Test			
Shapiro Wilk Test Statistic	0.121	Shapiro Wilk GOF Test	
5% Shapiro Wilk P Value	0	Data Not Normal at 5% Significance Level	
Lilliefors Test Statistic	0.442	Lilliefors GOF Test	
5% Lilliefors Critical Value	0.0528	Data Not Normal at 5% Significance Level	
Data Not Normal at 5% Significance Level			
Assuming Normal Distribution			
95% Normal UCL		95% UCLs (Adjusted for Skewness)	
95% Student's-t UCL	392.9	95% Adjusted-CLT UCL (Chen-1995)	447.4
		95% Modified-t UCL (Johnson-1978)	401.5
Gamma GOF Test			
A-D Test Statistic	3.497E+28	Anderson-Darling Gamma GOF Test	
5% A-D Critical Value	0.784	Data Not Gamma Distributed at 5% Significance Level	
K-S Test Statistic	0.301	Kolmogorov-Smirnov Gamma GOF Test	
5% K-S Critical Value	0.0553	Data Not Gamma Distributed at 5% Significance Level	
Data Not Gamma Distributed at 5% Significance Level			
Gamma Statistics			
k hat (MLE)	1.015	k star (bias corrected MLE)	1.007
Theta hat (MLE)	271.8	Theta star (bias corrected MLE)	274.1
nu hat (MLE)	580.9	nu star (bias corrected)	576.1
MLE Mean (bias corrected)	276	MLE Sd (bias corrected)	275
Adjusted Level of Significance	0.0492	Approximate Chi Square Value (0.05)	521.4
		Adjusted Chi Square Value	521.2
Assuming Gamma Distribution			
95% Approximate Gamma UCL (use when n>=50)	305	95% Adjusted Gamma UCL (use when n<50)	305.1
Lognormal GOF Test			
Shapiro Wilk Test Statistic	0.796	Shapiro Wilk Lognormal GOF Test	
5% Shapiro Wilk P Value	0	Data Not Lognormal at 5% Significance Level	
Lilliefors Test Statistic	0.217	Lilliefors Lognormal GOF Test	
5% Lilliefors Critical Value	0.0528	Data Not Lognormal at 5% Significance Level	
Data Not Lognormal at 5% Significance Level			
Lognormal Statistics			
Minimum of Logged Data	2.186	Mean of logged Data	5.053
Maximum of Logged Data	9.717	SD of logged Data	0.746
Assuming Lognormal Distribution			
95% H-UCL	225.2	90% Chebyshev (MVUE) UCL	237.2
95% Chebyshev (MVUE) UCL	251.1	97.5% Chebyshev (MVUE) UCL	270.5
99% Chebyshev (MVUE) UCL	308.5		
Nonparametric Distribution Free UCL Statistics			
Data do not follow a Discernible Distribution (0.05)			
Nonparametric Distribution Free UCLs			
95% CLT UCL	392.6	95% Jackknife UCL	392.9
95% Standard Bootstrap UCL	389.2	95% Bootstrap-t UCL	1647
95% Hall's Bootstrap UCL	1066	95% Percentile Bootstrap UCL	401.5
95% BCA Bootstrap UCL	468.1		
90% Chebyshev (Mean, Sd) UCL	488.6	95% Chebyshev (Mean, Sd) UCL	584.9
97.5% Chebyshev (Mean, Sd) UCL	718.5	99% Chebyshev (Mean, Sd) UCL	981
Suggested UCL to Use			
95% Chebyshev (Mean, Sd) UCL	584.9		

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL. Recommendations are based upon data size, data distribution, and skewness. These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006). However, simulation results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

Table C-1c. UCL Statistics for Uncensored Full Data Sets
Post-Remedy Data for Select Metals Constituents at IAAAP Line 1, All Detections Plus Half Detection Limits for Non-Detects (mg/kg)

User Selected Options
 Date/Time of Computation ProUCL 5.14/15/2018 1:36:46 PM
 From File Tbls B-1a thru B-4c_EPC Calcs_Line 1_q.xls
 Full Precision OFF
 Confidence Coefficient 95%
 Number of Bootstrap Operations 2000

Chromium (mg/kg)

General Statistics			
Total Number of Observations	294	Number of Distinct Observations	142
Minimum	0.55	Number of Missing Observations	0
Maximum	7510	Mean	75.1
SD	483.3	Median	16.6
Coefficient of Variation	6.436	Std. Error of Mean	28.19
		Skewness	13.27
Normal GOF Test			
Shapiro Wilk Test Statistic	0.14	Shapiro Wilk GOF Test	
5% Shapiro Wilk P Value	0	Data Not Normal at 5% Significance Level	
Lilliefors Test Statistic	0.439	Lilliefors GOF Test	
5% Lilliefors Critical Value	0.0521	Data Not Normal at 5% Significance Level	
Data Not Normal at 5% Significance Level			
Assuming Normal Distribution			
95% Normal UCL		95% UCLs (Adjusted for Skewness)	
95% Student's-t UCL	121.6	95% Adjusted-CLT UCL (Chen-1995)	144.8
		95% Modified-t UCL (Johnson-1978)	125.2
Gamma GOF Test			
A-D Test Statistic	3.401E+28	Anderson-Darling Gamma GOF Test	
5% A-D Critical Value	0.829	Data Not Gamma Distributed at 5% Significance Level	
K-S Test Statistic	0.385	Kolmogorov-Smirnov Gamma GOF Test	
5% K-S Critical Value	0.0561	Data Not Gamma Distributed at 5% Significance Level	
Data Not Gamma Distributed at 5% Significance Level			
Gamma Statistics			
k hat (MLE)	0.47	k star (bias corrected MLE)	0.467
Theta hat (MLE)	159.9	Theta star (bias corrected MLE)	160.8
nu hat (MLE)	276.1	nu star (bias corrected)	274.6
MLE Mean (bias corrected)	75.1	MLE Sd (bias corrected)	109.9
Adjusted Level of Significance	0.0492	Approximate Chi Square Value (0.05)	237.2
		Adjusted Chi Square Value	237.1
Assuming Gamma Distribution			
95% Approximate Gamma UCL (use when n>=50))	86.93	95% Adjusted Gamma UCL (use when n<50)	86.99
Lognormal GOF Test			
Shapiro Wilk Test Statistic	0.762	Shapiro Wilk Lognormal GOF Test	
5% Shapiro Wilk P Value	0	Data Not Lognormal at 5% Significance Level	
Lilliefors Test Statistic	0.228	Lilliefors Lognormal GOF Test	
5% Lilliefors Critical Value	0.0521	Data Not Lognormal at 5% Significance Level	
Data Not Lognormal at 5% Significance Level			
Lognormal Statistics			
Minimum of Logged Data	-0.598	Mean of logged Data	2.953
Maximum of Logged Data	8.924	SD of logged Data	0.997
Assuming Lognormal Distribution			
95% H-UCL	35.67	90% Chebyshev (MVUE) UCL	38.08
95% Chebyshev (MVUE) UCL	41.1	97.5% Chebyshev (MVUE) UCL	45.28
99% Chebyshev (MVUE) UCL	53.51		
Nonparametric Distribution Free UCL Statistics			
Data do not follow a Discernible Distribution (0.05)			
Nonparametric Distribution Free UCLs			
95% CLT UCL	121.5	95% Jackknife UCL	121.6
95% Standard Bootstrap UCL	121.8	95% Bootstrap-t UCL	228
95% Hall's Bootstrap UCL	273.8	95% Percentile Bootstrap UCL	126
95% BCA Bootstrap UCL	154.8		
90% Chebyshev(Mean, Sd) UCL	159.7	95% Chebyshev(Mean, Sd) UCL	198
97.5% Chebyshev(Mean, Sd) UCL	251.1	99% Chebyshev(Mean, Sd) UCL	355.6
Suggested UCL to Use			
95% Chebyshev (Mean, Sd) UCL 198			

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL. Recommendations are based upon data size, data distribution, and skewness. These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006). However, simulation results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

Table C-1c. UCL Statistics for Uncensored Full Data Sets
Post-Remedy Data for Select Metals Constituents at IAAAP Line 1, All Detections Plus Half Detection Limits for Non-Detects (mg/kg)

User Selected Options
 Date/Time of Computation ProUCL 5.14/15/2018 1:36:46 PM
 From File Tbls B-1a thru B-4c_EPC Calcs_Line 1_g.xls
 Full Precision OFF
 Confidence Coefficient 95%
 Number of Bootstrap Operations 2000

Mercury (mg/kg)

General Statistics			
Total Number of Observations	279	Number of Distinct Observations	103
Minimum	0.0026	Number of Missing Observations	0
Maximum	3.9	Mean	0.121
SD	0.349	Median	0.043
Coefficient of Variation	2.883	Std. Error of Mean	0.0209
		Skewness	7.086
Normal GOF Test			
Shapiro Wilk Test Statistic	0.303	Shapiro Wilk GOF Test	
5% Shapiro Wilk P Value	0	Data Not Normal at 5% Significance Level	
Lilliefors Test Statistic	0.379	Lilliefors GOF Test	
5% Lilliefors Critical Value	0.0535	Data Not Normal at 5% Significance Level	
Data Not Normal at 5% Significance Level			
Assuming Normal Distribution			
95% Normal UCL		95% UCLs (Adjusted for Skewness)	
95% Student's-t UCL	0.156	95% Adjusted-CLT UCL (Chen-1995)	0.165
		95% Modified-t UCL (Johnson-1978)	0.157
Gamma GOF Test			
A-D Test Statistic	35.85	Anderson-Darling Gamma GOF Test	
5% A-D Critical Value	0.8	Data Not Gamma Distributed at 5% Significance Level	
K-S Test Statistic	0.299	Kolmogorov-Smirnov Gamma GOF Test	
5% K-S Critical Value	0.0569	Data Not Gamma Distributed at 5% Significance Level	
Data Not Gamma Distributed at 5% Significance Level			
Gamma Statistics			
k hat (MLE)	0.714	k star (bias corrected MLE)	0.709
Theta hat (MLE)	0.17	Theta star (bias corrected MLE)	0.171
nu hat (MLE)	398.3	nu star (bias corrected)	395.4
MLE Mean (bias corrected)	0.121	MLE Sd (bias corrected)	0.144
Adjusted Level of Significance	0.0491	Approximate Chi Square Value (0.05)	350.3
		Adjusted Chi Square Value	350.1
Assuming Gamma Distribution			
95% Approximate Gamma UCL (use when n>=50))	0.137	95% Adjusted Gamma UCL (use when n<50)	0.137
Lognormal GOF Test			
Shapiro Wilk Test Statistic	0.863	Shapiro Wilk Lognormal GOF Test	
5% Shapiro Wilk P Value	0	Data Not Lognormal at 5% Significance Level	
Lilliefors Test Statistic	0.185	Lilliefors Lognormal GOF Test	
5% Lilliefors Critical Value	0.0535	Data Not Lognormal at 5% Significance Level	
Data Not Lognormal at 5% Significance Level			
Lognormal Statistics			
Minimum of Logged Data	-5.952	Mean of logged Data	-2.955
Maximum of Logged Data	1.361	SD of logged Data	0.982
Assuming Lognormal Distribution			
95% H-UCL	0.0955	90% Chebyshev (MVUE) UCL	0.102
95% Chebyshev (MVUE) UCL	0.11	97.5% Chebyshev (MVUE) UCL	0.121
99% Chebyshev (MVUE) UCL	0.144		
Nonparametric Distribution Free UCL Statistics			
Data do not follow a Discernible Distribution (0.05)			
Nonparametric Distribution Free UCLs			
95% CLT UCL	0.155	95% Jackknife UCL	0.156
95% Standard Bootstrap UCL	0.155	95% Bootstrap-t UCL	0.175
95% Hall's Bootstrap UCL	0.173	95% Percentile Bootstrap UCL	0.157
95% BCA Bootstrap UCL	0.166		
90% Chebyshev(Mean, Sd) UCL	0.184	95% Chebyshev(Mean, Sd) UCL	0.212
97.5% Chebyshev(Mean, Sd) UCL	0.252	99% Chebyshev(Mean, Sd) UCL	0.329
Suggested UCL to Use			
95% Chebyshev (Mean, Sd) UCL	0.212		

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL. Recommendations are based upon data size, data distribution, and skewness. These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006). However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

Table C-1c. UCL Statistics for Uncensored Full Data Sets
Post-Remedy Data for Select Metals Constituents at IAAAP Line 1, All Detections Plus Half Detection Limits for Non-Detects (mg/kg)

User Selected Options
 Date/Time of Computation ProUCL 5.14/15/2018 1:36:46 PM
 From File Tbls B-1a thru B-4c_EPC Calcs_Line 1_g.xls
 Full Precision OFF
 Confidence Coefficient 95%
 Number of Bootstrap Operations 2000

Selenium (mg/kg)

General Statistics			
Total Number of Observations	286	Number of Distinct Observations	99
Minimum	0.09	Number of Missing Observations	0
Maximum	4.3	Mean	0.96
SD	0.645	Median	0.85
Coefficient of Variation	0.672	Std. Error of Mean	0.0381
		Skewness	1.296
Normal GOF Test			
Shapiro Wilk Test Statistic	0.897	Shapiro Wilk GOF Test	
5% Shapiro Wilk P Value	0	Data Not Normal at 5% Significance Level	
Lilliefors Test Statistic	0.111	Lilliefors GOF Test	
5% Lilliefors Critical Value	0.0528	Data Not Normal at 5% Significance Level	
Data Not Normal at 5% Significance Level			
Assuming Normal Distribution			
95% Normal UCL		95% UCLs (Adjusted for Skewness)	
95% Student's-t UCL	1.023	95% Adjusted-CLT UCL (Chen-1995)	1.026
		95% Modified-t UCL (Johnson-1978)	1.023
Gamma GOF Test			
A-D Test Statistic	2.086	Anderson-Darling Gamma GOF Test	
5% A-D Critical Value	0.764	Data Not Gamma Distributed at 5% Significance Level	
K-S Test Statistic	0.0925	Kolmogorov-Smirnov Gamma GOF Test	
5% K-S Critical Value	0.0543	Data Not Gamma Distributed at 5% Significance Level	
Data Not Gamma Distributed at 5% Significance Level			
Gamma Statistics			
k hat (MLE)	2.295	k star (bias corrected MLE)	2.273
Theta hat (MLE)	0.418	Theta star (bias corrected MLE)	0.422
nu hat (MLE)	1313	nu star (bias corrected)	1300
MLE Mean (bias corrected)	0.96	MLE Sd (bias corrected)	0.637
Adjusted Level of Significance	0.0492	Approximate Chi Square Value (0.05)	1218
		Adjusted Chi Square Value	1217
Assuming Gamma Distribution			
95% Approximate Gamma UCL (use when n>=50))	1.025	95% Adjusted Gamma UCL (use when n<50)	1.025
Lognormal GOF Test			
Shapiro Wilk Test Statistic	0.956	Shapiro Wilk Lognormal GOF Test	
5% Shapiro Wilk P Value	1.0183E-7	Data Not Lognormal at 5% Significance Level	
Lilliefors Test Statistic	0.09	Lilliefors Lognormal GOF Test	
5% Lilliefors Critical Value	0.0528	Data Not Lognormal at 5% Significance Level	
Data Not Lognormal at 5% Significance Level			
Lognormal Statistics			
Minimum of Logged Data	-2.408	Mean of logged Data	-0.274
Maximum of Logged Data	1.459	SD of logged Data	0.718
Assuming Lognormal Distribution			
95% H-UCL	1.068	90% Chebyshev (MVUE) UCL	1.123
95% Chebyshev (MVUE) UCL	1.186	97.5% Chebyshev (MVUE) UCL	1.274
99% Chebyshev (MVUE) UCL	1.447		
Nonparametric Distribution Free UCL Statistics			
Data do not follow a Discernible Distribution (0.05)			
Nonparametric Distribution Free UCLs			
95% CLT UCL	1.023	95% Jackknife UCL	1.023
95% Standard Bootstrap UCL	1.022	95% Bootstrap-t UCL	1.028
95% Hall's Bootstrap UCL	1.021	95% Percentile Bootstrap UCL	1.023
95% BCA Bootstrap UCL	1.028		
90% Chebyshev(Mean, Sd) UCL	1.074	95% Chebyshev(Mean, Sd) UCL	1.126
97.5% Chebyshev(Mean, Sd) UCL	1.198	99% Chebyshev(Mean, Sd) UCL	1.339
Suggested UCL to Use			
95% Chebyshev (Mean, Sd) UCL	1.126		

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL. Recommendations are based upon data size, data distribution, and skewness. These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006). However, simulation results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

Table C-1c. UCL Statistics for Uncensored Full Data Sets
Post-Remedy Data for Select Metals Constituents at IAAAP Line 1, All Detections Plus Half Detection Limits for Non-Detects (mg/kg)

User Selected Options
 Date/Time of Computation ProUCL 5.14/15/2018 1:36:46 PM
 From File Tbls B-1a thru B-4c_EPC Calcs_Line 1_.xls
 Full Precision OFF
 Confidence Coefficient 95%
 Number of Bootstrap Operations 2000

Silver (mg/kg)

General Statistics			
Total Number of Observations	286	Number of Distinct Observations	48
Minimum	0.043	Number of Missing Observations	0
Maximum	210	Mean	1.506
SD	12.74	Median	0.6
Coefficient of Variation	8.458	Std. Error of Mean	0.753
		Skewness	15.67
Normal GOF Test			
Shapiro Wilk Test Statistic	0.0926	Shapiro Wilk GOF Test	
5% Shapiro Wilk P Value	0	Data Not Normal at 5% Significance Level	
Lilliefors Test Statistic	0.481	Lilliefors GOF Test	
5% Lilliefors Critical Value	0.0528	Data Not Normal at 5% Significance Level	
Data Not Normal at 5% Significance Level			
Assuming Normal Distribution			
95% Normal UCL		95% UCLs (Adjusted for Skewness)	
95% Student's-t UCL	2.75	95% Adjusted-CLT UCL (Chen-1995)	3.491
		95% Modified-t UCL (Johnson-1978)	2.866
Gamma GOF Test			
A-D Test Statistic	3.497E+28	Anderson-Darling Gamma GOF Test	
5% A-D Critical Value	0.82	Data Not Gamma Distributed at 5% Significance Level	
K-S Test Statistic	0.441	Kolmogorov-Smirnov Gamma GOF Test	
5% K-S Critical Value	0.0568	Data Not Gamma Distributed at 5% Significance Level	
Data Not Gamma Distributed at 5% Significance Level			
Gamma Statistics			
k hat (MLE)	0.513	k star (bias corrected MLE)	0.509
Theta hat (MLE)	2.939	Theta star (bias corrected MLE)	2.957
nu hat (MLE)	293.2	nu star (bias corrected)	291.4
MLE Mean (bias corrected)	1.506	MLE Sd (bias corrected)	2.11
Adjusted Level of Significance	0.0492	Approximate Chi Square Value (0.05)	252.9
		Adjusted Chi Square Value	252.7
Assuming Gamma Distribution			
95% Approximate Gamma UCL (use when n>=50))	1.736	95% Adjusted Gamma UCL (use when n<50)	1.737
Lognormal GOF Test			
Shapiro Wilk Test Statistic	0.759	Shapiro Wilk Lognormal GOF Test	
5% Shapiro Wilk P Value	0	Data Not Lognormal at 5% Significance Level	
Lilliefors Test Statistic	0.247	Lilliefors Lognormal GOF Test	
5% Lilliefors Critical Value	0.0528	Data Not Lognormal at 5% Significance Level	
Data Not Lognormal at 5% Significance Level			
Lognormal Statistics			
Minimum of Logged Data	-3.147	Mean of logged Data	-0.825
Maximum of Logged Data	5.347	SD of logged Data	0.925
Assuming Lognormal Distribution			
95% H-UCL	0.753	90% Chebyshev (MVUE) UCL	0.801
95% Chebyshev (MVUE) UCL	0.861	97.5% Chebyshev (MVUE) UCL	0.943
99% Chebyshev (MVUE) UCL	1.104		
Nonparametric Distribution Free UCL Statistics			
Data do not follow a Discernible Distribution (0.05)			
Nonparametric Distribution Free UCLs			
95% CLT UCL	2.746	95% Jackknife UCL	2.75
95% Standard Bootstrap UCL	2.721	95% Bootstrap-t UCL	15.83
95% Hall's Bootstrap UCL	10.65	95% Percentile Bootstrap UCL	2.962
95% BCA Bootstrap UCL	4.408		
90% Chebyshev(Mean, Sd) UCL	3.766	95% Chebyshev(Mean, Sd) UCL	4.79
97.5% Chebyshev(Mean, Sd) UCL	6.211	99% Chebyshev(Mean, Sd) UCL	9.002
Suggested UCL to Use			
95% Chebyshev (Mean, Sd) UCL	4.79		

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL. Recommendations are based upon data size, data distribution, and skewness. These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006). However, simulation results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

**Table C-2a. ProUCL Soil Data Input for Select Post-Remedy Explosives
Constituents at Line 1 (mg/kg)**

1,3-DNB	2,4,6-TNT	HMX	RDX
0.17	0.14	0.06	0.14
0.13	0.16	0.16	0.16
0.14	0.18	0.18	0.18
0.14	0.14	0.14	0.14
0.16	0.15	81.00	0.15
0.16	0.16	0.42	0.11
0.17	0.17	0.17	0.17
0.16	0.15	0.15	0.15
0.16	0.19	0.19	0.19
0.16	0.17	0.17	0.17
0.16	0.16	0.16	0.16
0.15	0.15	0.15	0.15
0.16	0.16	0.16	0.16
0.16	0.17	0.39	0.17
0.18	0.16	0.16	0.16
0.17	0.15	0.15	0.15
0.17	0.16	0.33	0.16
0.16	0.56	3.80	1.20
0.16	0.17	1.60	0.17
0.15	0.19	0.19	0.19
0.16	0.17	0.17	0.17
0.16	0.19	0.19	0.19
0.17	0.18	0.18	0.18
0.17	0.18	0.18	0.18
0.17	0.17	0.17	0.17
0.17	0.21	1.80	0.89
0.15	0.17	0.17	0.17
0.15	0.17	0.17	0.17
0.13	0.15	0.15	0.15
0.13	0.15	0.15	0.15
0.13	0.45	0.17	0.17
0.13	0.16	0.79	0.16
0.13	0.90	33.00	0.69
0.13	0.36	0.16	0.16
0.13	0.15	0.15	0.15
0.13	0.17	0.17	0.17
0.13	0.16	0.40	0.16
0.13	0.16	0.16	0.16
0.13	0.17	0.17	0.17
0.13	0.17	0.17	0.17
0.13	0.16	0.16	0.16
0.13	0.16	0.16	0.16
0.13	0.16	0.16	0.16
0.13	0.16	0.16	0.16
0.13	0.15	0.15	0.15

**Table C-2a. ProUCL Soil Data Input for Select Post-Remedy Explosives
Constituents at Line 1 (mg/kg)**

1,3-DNB	2,4,6-TNT	HMX	RDX
0.13	0.13	0.06	0.13
0.13	0.13	0.13	0.13
0.13	0.13	0.13	0.13
0.13	0.13	0.13	0.13
0.13	0.13	0.13	0.13
0.13	0.13	0.10	0.13
0.13	0.13	0.13	0.13
0.13	0.13	0.13	0.13
0.13	0.13	0.13	0.13
0.13	0.13	0.13	0.13
0.13	0.13	0.13	0.13
0.13	0.13	0.05	0.13
0.13	0.13	0.11	0.13
0.13	0.13	0.06	0.13
0.13	0.13	0.13	0.13
0.13	0.13	0.13	0.13
0.13	0.13	0.13	0.13
0.13	0.13	0.13	0.13
0.13	0.13	0.13	0.13
0.13	0.13	0.13	0.13
0.13	0.13	0.13	0.13
0.13	0.13	0.13	0.13
0.13	0.13	0.13	0.13
0.13	0.13	0.04	0.13
0.13	0.13	0.08	0.09
0.13	0.13	0.27	0.13
0.13	0.13	0.23	0.13
0.13	0.13	0.24	0.13
0.13	0.13	0.14	0.13
0.13	0.13	0.16	0.13
0.13	0.13	0.10	0.13
0.13	0.13	0.18	0.13
0.13	0.13	0.13	0.13
0.13	0.13	0.13	0.13
0.13	0.13	0.13	0.13
0.13	0.13	0.13	0.13
0.13	0.13	0.13	0.13
0.13	0.13	0.13	0.13
0.13	0.13	0.13	0.13
0.13	0.13	0.13	0.13
0.13	0.13	0.13	0.13
0.13	0.13	0.13	0.13
0.13	0.13	0.13	0.13
0.13	0.13	0.25	0.13
0.13	0.13	0.13	0.70
0.13	0.13	0.10	0.13

**Table C-2a. ProUCL Soil Data Input for Select Post-Remedy Explosives
Constituents at Line 1 (mg/kg)**

1,3-DNB	2,4,6-TNT	HMX	RDX
0.13	0.13	0.12	0.13
0.13	0.13	0.09	0.13
0.13	0.13	0.07	0.13
0.13	0.13	0.05	0.13
0.13	0.13	0.06	0.13
0.13	0.13	0.09	0.13
0.13	0.09	0.82	0.12
0.13	0.26	0.62	0.14
0.13	0.13	0.16	0.13
0.13	0.14	0.34	0.09
0.13	0.09	0.41	1.00
0.13	0.07	0.30	0.96
0.13	0.04	0.12	0.99
0.13	0.13	0.05	0.11
0.13	0.13	0.07	0.13
0.13	0.13	0.14	0.13
0.13	0.13	0.08	0.13
0.13	0.13	0.13	0.13
0.13	0.06	0.46	0.13
0.13	0.19	0.58	0.11
0.13	0.22	0.80	0.09
0.13	0.13	0.80	0.08
0.13	0.13	0.12	0.08
0.13	0.13	0.09	0.13
0.13	0.14	0.10	0.13
0.13	0.13	0.08	0.13
0.13	0.13	0.06	0.13
0.13	0.13	0.07	0.13
0.13	0.13	0.13	0.13
0.13	0.13	2.10	0.13
0.13	0.13	0.13	0.13
0.13	0.06	0.09	0.13
0.13	0.13	0.14	0.13
0.13	0.13	0.12	0.13
0.13	0.13	0.25	0.13
0.13	0.23	0.39	0.13
0.13	0.13	0.13	0.12
0.13	0.13	0.13	0.13
0.13	0.13	0.04	0.13
0.13	0.13	0.07	0.13
0.13	0.13	0.08	0.13
0.13	0.13	0.08	0.13
0.13	0.11	0.31	0.13
0.13	0.13	0.13	0.08
0.13	0.13	0.13	0.13

**Table C-2a. ProUCL Soil Data Input for Select Post-Remedy Explosives
Constituents at Line 1 (mg/kg)**

1,3-DNB	2,4,6-TNT	HMX	RDX
0.13	0.13	0.04	0.13
0.13	0.13	0.43	0.13
0.13	0.13	0.50	0.13
0.13	0.13	0.12	0.13
0.13	0.13	0.21	0.13
0.13	0.13	0.28	0.08
0.13	0.13	0.43	0.08
0.13	0.13	0.45	0.18
0.13	0.13	0.36	0.22
0.13	0.13	0.24	0.31
0.13	0.13	0.10	0.13
0.13	0.13	0.29	0.06
0.13	0.13	0.30	0.13
0.13	0.50	0.17	0.08
0.13	0.13	0.05	0.13
0.13	0.13	0.13	0.13
0.13	0.13	0.13	0.13
0.13	0.13	2.60	0.13
0.13	0.13	3.80	0.13
0.13	0.13	0.26	0.13
0.13	0.13	0.22	0.13
0.13	0.13	0.14	0.13
0.13	0.13	0.13	0.13
0.13	0.13	0.13	0.13
0.13	0.13	0.13	0.13
0.13	0.13	0.06	0.13
0.13	0.13	0.13	0.13
0.13	0.13	0.32	0.13
0.13	0.13	0.09	0.13
0.13	0.13	0.15	0.13
0.13	0.13	0.14	0.08
0.13	0.13	0.20	0.10
0.13	0.13	0.23	0.13
0.13	0.13	0.13	0.13
0.13	0.13	0.13	0.13
0.13	0.13	0.13	0.13
0.13	0.13	0.13	0.13
0.13	0.13	0.11	0.13
0.13	0.13	0.30	0.10
0.13	0.13	0.05	0.20
0.13	0.13	0.13	0.13
0.13	0.13	0.13	0.13
0.13	0.13	0.13	0.13
0.13	0.13	0.13	0.13
0.13	0.13	0.13	0.13

**Table C-2a. ProUCL Soil Data Input for Select Post-Remedy Explosives
Constituents at Line 1 (mg/kg)**

1,3-DNB	2,4,6-TNT	HMX	RDX
0.13	0.38	0.10	0.13
0.13	0.13	0.13	0.13
0.13	0.13	0.10	0.13
0.13	0.13	0.13	0.13
0.13	0.13	0.13	0.13
0.13	0.13	0.13	0.13
0.13	0.13	0.13	0.13
0.13	0.13	0.14	0.13
0.13	0.13	0.09	0.13
0.13	0.13	0.12	0.13
0.13	0.13	0.13	0.13
0.13	0.13	0.13	0.13
0.13	0.13	37.00	0.13
0.13	0.13	1.70	0.13
0.13	0.13	0.91	0.13
0.13	0.13	0.13	0.13
0.13	0.13	0.13	0.13
0.13	0.13	0.08	0.13
0.13	0.13	0.12	0.13
0.13	0.13	0.13	0.13
0.13	0.13	0.13	0.13
0.13	0.13	0.13	0.13
0.13	0.13	0.13	0.13
0.13	0.13	0.13	0.13
0.13	0.13	0.13	0.13
0.13	0.13	0.13	0.13
0.13	0.13	0.13	0.13
0.13	0.13	0.13	0.13
0.13	0.13	0.13	0.13
0.13	0.13	0.13	0.13
0.13	0.13	0.13	0.13
0.13	0.13	0.13	0.13
0.13	0.13	0.13	0.13
0.13	0.13	0.13	0.13
0.13	0.13	0.13	0.13
0.13	0.13	0.13	0.13
0.13	0.13	0.13	0.13
0.13	0.13	0.06	0.13
0.13	0.13	0.13	0.13
0.13	0.13	0.13	0.13
0.13	0.13	0.13	0.13
0.13	0.13	0.13	0.13
0.13	0.13	0.06	0.13
0.13	0.13	0.30	0.13
0.13	0.13	0.34	0.13
0.13	0.13	0.47	0.13
0.13	0.13	0.12	0.13
0.13	0.13	0.16	0.13
0.13	0.13	0.63	0.13
0.13	0.13	0.67	0.13
0.13	0.13	0.70	0.13

**Table C-2a. ProUCL Soil Data Input for Select Post-Remedy Explosives
Constituents at Line 1 (mg/kg)**

1,3-DNB	2,4,6-TNT	HMX	RDX
0.120	0.13	0.07	0.13
0.125	0.13	0.13	0.13
0.125	0.13	0.13	0.13
0.125	0.13	0.13	0.13
0.125	0.13	0.13	0.13
0.125	0.13	0.13	0.13
0.125	0.13	0.13	0.13
0.125	0.13	0.13	0.13
0.125	0.13	0.13	0.13
0.125	0.13	0.13	0.13
0.125	0.13	0.13	0.13
0.125	0.13	0.13	0.13
0.125	0.13	0.13	0.13
0.125	0.18	0.18	0.13
0.120	0.18	0.18	0.18
0.125	0.18	0.18	0.18
0.125	0.17	0.17	0.18
0.120	0.15	0.15	0.17
0.125	0.14	0.14	0.15
0.125	0.17	0.17	0.14
0.125	0.14	0.12	0.17
0.125	0.17	0.17	0.14
0.125	0.14	0.14	0.17
0.125	0.14	0.14	0.14
0.125	0.16	0.16	0.14
0.125	0.16	0.16	0.16
0.125	0.16	0.16	0.16
0.125	0.16	0.16	0.16
0.125	0.16	0.16	0.16
0.125	0.13	0.13	0.16
0.125	0.15	0.15	0.13
0.125	0.14	0.14	0.07
0.125	0.16	0.07	0.14
0.125	0.16	0.16	0.16
0.125	0.17	0.17	0.16
0.125	0.18	0.12	0.17
0.125	0.15	0.15	0.18
0.125	0.16	0.16	0.15
0.125	0.16	0.16	0.16
0.125	0.16	0.16	0.16
0.125	0.15	0.06	0.16
0.120	0.16	0.16	0.15
0.125	0.13	0.13	0.16
0.125	0.16	0.16	0.13
0.125	0.13	0.13	0.16

**Table C-2a. ProUCL Soil Data Input for Select Post-Remedy Explosives
Constituents at Line 1 (mg/kg)**

1,3-DNB	2,4,6-TNT	HMX	RDX
0.125	0.13	0.13	0.13
0.125	0.16	0.16	0.13
0.125	0.17	0.17	0.16
0.125	0.17	0.17	0.17
0.120	0.10	0.19	0.17
0.125	0.16	0.16	0.19
0.125	0.14	0.14	0.16
0.125	0.14	0.14	0.14
0.125	0.16	0.16	0.14
0.125	0.14	0.14	0.16
0.125	0.14	0.14	0.14
0.125	0.15	0.15	0.14
0.125	0.16	0.16	0.15
0.125	0.14	0.14	0.16
0.125	0.14	0.14	0.14
0.125	0.17	0.17	0.14
0.125	0.14	0.07	0.17
0.125	0.14	0.37	0.14
0.120	0.17	0.76	0.09
0.125	0.09	0.70	0.26
0.120	0.18	0.06	0.06
0.125	0.16	0.16	0.13
0.125	0.16	0.16	0.16
0.125	0.16	0.08	0.16
0.125	0.16	0.16	0.11
0.125	0.16	0.16	0.16
0.125	0.16	0.16	0.16
0.125	0.17	0.17	0.16
0.125	0.14	0.14	0.17
0.125	0.19	0.94	0.14
0.125	0.13	0.05	0.96
0.125	11.00	0.17	0.13
0.125	0.15	0.15	0.17
0.125	8.70	0.18	0.15
0.125	0.17	0.17	0.18
0.125	0.17	0.17	0.17
0.125	0.18	0.16	0.48
0.125	0.18	0.18	0.16
0.125	0.17	0.17	0.18
0.125	0.17	0.17	1.20
0.125	3.20	0.63	0.17
0.125	0.17	0.17	0.16
0.125	0.17	0.17	0.17
0.125	0.14	0.14	0.17
0.125	0.14	0.14	0.14

**Table C-2a. ProUCL Soil Data Input for Select Post-Remedy Explosives
Constituents at Line 1 (mg/kg)**

1,3-DNB	2,4,6-TNT	HMX	RDX
0.125	0.125	1.100	0.500
0.125	0.125	1.100	0.500
0.125	0.125	1.100	0.500
0.125	0.125	1.100	0.500
0.125	0.125	1.100	0.500
0.125	0.125	1.100	0.500
0.125	0.125	1.100	0.500
0.125	0.125	1.100	0.500
0.125	0.125	1.100	0.500
0.125	0.125	1.100	0.500
0.125	0.125	1.100	0.500
0.125	0.125	1.100	0.500
0.13	0.125	1.100	0.500
0.13	0.125	1.100	0.500
0.13	0.125	1.100	0.500
0.13	0.095	2.000	0.500
0.13	0.125	1.100	0.500
0.13	0.125	0.350	0.500
0.15	0.120	0.220	0.500
0.15	0.100	0.630	0.084
0.14	0.125	1.100	0.490
0.15	0.125	1.100	0.500
0.15	0.125	1.100	0.500
0.15	0.125	1.100	0.500
0.16	0.125	1.100	0.500
0.16	0.125	1.100	0.500
0.16	0.125	1.100	0.500
0.16	0.120	1.050	0.500
0.15	0.120	1.050	0.490
0.14	0.125	1.100	0.485
0.14	0.125	1.100	0.500
0.15	0.125	1.100	0.500
0.15	0.125	1.100	0.500
0.15	0.125	1.100	0.500
0.14	0.125	1.100	0.500
0.15	0.125	1.100	0.500
0.15	0.125	0.110	0.500
0.13	0.125	0.310	0.500
0.13	0.125	0.130	0.500
0.13	0.125	1.100	0.500
0.13	0.125	1.100	0.500
0.13	0.125	0.310	0.500
0.13	0.125	1.100	0.500
0.13	0.125	1.100	0.500
0.13	0.125	1.100	0.500
0.13	0.125	1.100	0.500

**Table C-2a. ProUCL Soil Data Input for Select Post-Remedy Explosives
Constituents at Line 1 (mg/kg)**

1,3-DNB	2,4,6-TNT	HMX	RDX
0.13	0.084	2.000	0.495
0.13	0.125	1.100	0.495
0.13	0.125	1.100	0.500
0.13	0.125	1.100	0.500
0.13	0.125	1.100	0.500
0.13	0.125	1.100	0.500
0.13	0.125	1.100	0.500
0.13	0.125	1.100	0.500
0.13	0.125	1.100	0.500
0.12	0.125	1.100	0.495
0.12	0.125	1.100	0.500
0.12	0.125	1.100	0.500
0.12	0.120	1.050	0.500
0.12	0.125	1.100	0.480
0.12	0.125	1.100	0.495
0.12	0.125	1.100	0.500
0.11	0.125	1.100	0.495
0.11	0.125	1.100	0.500
0.13	0.120	1.050	0.490
0.13	0.125	1.100	0.480
0.13	0.125	1.100	0.500
0.12	0.125	1.100	0.495
0.13	0.120	1.050	0.490
0.13	0.125	1.100	0.490
0.12	0.066	0.068	0.495
0.12	0.125	0.150	0.140
0.13	0.125	0.190	0.580
0.13	0.125	1.100	0.750
0.13	0.125	1.100	0.500
0.13	0.125	1.100	0.500
0.13	0.130	1.100	0.495
0.13	0.125	1.100	0.500
0.13	0.125	1.100	0.500
0.13	0.125	1.100	0.500
0.13	0.120	1.050	0.500
0.13	0.120	1.050	0.485
0.13	0.120	1.050	0.480
0.13	0.125	1.100	0.480
0.13	0.125	1.100	0.500
0.13	0.125	1.100	0.500
0.13	0.125	1.100	0.500
0.13	0.125	1.100	0.500
0.13	0.125	0.450	0.500
0.13	0.200	1.100	0.500

**Table C-2a. ProUCL Soil Data Input for Select Post-Remedy Explosives
Constituents at Line 1 (mg/kg)**

1,3-DNB	2,4,6-TNT	HMX	RDX
0.13	0.30	0.30	0.15
0.13	0.22	0.58	0.15
0.13	0.15	29.00	0.14
0.12	0.15	2.50	0.15
0.12	0.15	0.36	0.15
0.13	0.16	0.31	0.15
0.13	0.16	0.24	0.16
0.13	0.16	0.32	0.16
0.12	0.16	0.64	0.16
0.12	0.15	0.47	0.16
0.13	0.14	0.20	0.15
0.13	0.14	0.28	0.14
0.12	0.15	0.52	0.14
0.13	0.15	0.41	0.15
0.13	0.15	2.00	0.29
0.12	0.14	0.55	0.17
0.13	0.15	0.15	0.14
0.13	0.30	0.30	0.15
0.13	0.03	0.06	0.15
0.12	0.13	0.91	0.25
0.12	0.13	0.43	1.70
0.12	0.13	0.25	0.75
0.13	0.13	0.13	0.13
0.13	0.13	0.25	0.13
0.16	0.25	0.08	0.25
0.17	0.03	0.75	0.23
0.16	0.13	0.50	0.73
0.16	0.13	0.36	0.83
0.17	0.13	0.23	0.44
0.17	0.13	0.26	0.64
0.13	0.13	0.09	0.81
0.13	0.13	0.05	0.10
0.13	0.13	0.25	0.05
0.13	0.25	0.10	0.25
0.13	0.19	0.30	0.18
0.13	0.25	0.08	0.15
0.13	0.24	0.22	0.25
0.13	0.13	0.13	0.40
0.13	0.16	0.16	0.13
0.13	0.16	0.16	0.16
0.13	0.15	0.15	0.16
0.13	0.18	0.18	0.30
0.13	0.13	0.13	0.30
0.13	0.13	0.25	0.13
0.13	0.25	0.05	0.13

**Table C-2a. ProUCL Soil Data Input for Select Post-Remedy Explosives
Constituents at Line 1 (mg/kg)**

1,3-DNB	2,4,6-TNT	HMX	RDX
0.13	0.05	0.17	0.25
0.13	0.13	0.03	0.68
0.13	0.13	0.25	0.25
0.13	0.13	0.24	0.30
0.13	0.13	0.05	0.04
0.13	0.13	0.25	0.13
0.13	0.13	0.26	0.25
0.13	0.25	0.11	0.16
0.13	0.10	1.60	0.04
0.13	0.25	0.56	0.06
0.13	0.05	0.60	0.13
0.13	0.13	1.50	0.13
0.13	0.13	2.70	0.13
0.13	0.25	0.45	0.25
0.13	0.42	3.40	0.12
0.13	0.23	4.00	0.15
0.13	0.12	3.40	1.10
0.13	0.13	0.69	0.26
0.13	0.13	0.38	0.13
0.13	0.13	0.70	0.13
0.13	0.13	0.36	0.25
0.13	0.13	0.42	0.09
0.13	0.13	0.21	0.19
0.13	0.25	1.40	0.38
0.13	0.11	0.70	0.16
0.13	0.25	0.35	0.58
0.13	0.47	1.10	0.25
0.13	0.13	0.16	0.40
0.13	0.25	0.19	0.13
0.13	0.16	0.75	0.25
0.13	0.12	1.40	0.08
0.13	0.25	0.62	1.20
0.13	0.30	0.76	0.40
0.13	0.13	0.43	1.90
0.13	0.13	0.25	0.08
0.13	0.12	0.07	0.03
0.13	0.12	0.02	0.12
0.13	0.12	0.12	0.23
0.13	0.12	0.12	0.04
0.13	0.12	0.12	0.12
0.13	0.12	0.12	0.12
0.13	0.12	0.12	0.12
0.13	0.11	0.11	0.12
0.13	0.11	0.11	0.11
0.13	0.13	0.13	0.11

**Table C-2a. ProUCL Soil Data Input for Select Post-Remedy Explosives
Constituents at Line 1 (mg/kg)**

1,3-DNB	2,4,6-TNT	HMX	RDX
0.13	0.13	0.25	0.25
0.13	0.13	0.15	0.11
0.13	0.12	0.16	0.11
0.13	0.13	0.10	0.46
0.13	0.13	0.13	0.32
0.13	0.12	0.04	0.11
0.12	0.12	0.12	0.24
0.12	0.25	0.25	0.14
0.13	0.04	0.47	0.07
0.13	0.13	0.13	0.60
0.13	0.13	0.13	0.25
0.13	0.13	0.25	0.31
0.13	0.13	0.55	0.08
0.13	0.13	0.16	0.36
0.13	0.13	0.41	0.25
0.13	0.13	1.10	0.06
0.13	0.13	0.25	0.25
0.15	0.13	0.15	0.17
0.17	0.13	0.13	0.13
0.15	0.13	0.13	0.13
0.15	0.13	0.13	0.25
0.15	0.13	0.25	0.11
0.15	0.13	0.05	0.25
0.16	0.13	0.13	0.24
0.15	0.25	0.25	0.25
	0.40	0.50	0.09
	0.25	0.18	2.20
	1.80	0.36	0.31
	1.55	0.38	0.46
	0.13	0.42	0.69
	0.13	0.13	0.05
	0.13	0.25	0.13
	0.13	0.23	0.13
	0.13	0.13	0.13
	0.13	0.25	0.13
	0.13	0.62	0.13
	0.13	0.15	0.25
	0.13	0.15	0.03
	0.13	0.25	0.13
	0.13	0.15	0.25
	0.13	0.25	0.41
	0.13	0.07	0.13
	0.13	0.19	0.25
	0.13	1.30	0.29
	0.13	0.14	0.21

**Table C-2a. ProUCL Soil Data Input for Select Post-Remedy Explosives
Constituents at Line 1 (mg/kg)**

1,3-DNB	2,4,6-TNT	HMX	RDX
	0.13	0.25	0.11
	0.13	0.22	0.06
	0.13	0.06	0.37
	0.13	0.13	0.08
	0.13	0.13	0.13
	0.13	0.13	0.13
	0.13	0.13	0.13
	0.13	0.25	0.13
	0.13	0.32	0.25
	0.13	0.15	0.93
	0.13	0.13	1.10
	0.13	0.13	0.10
	0.13	0.25	0.02
	0.13	0.05	0.25
	0.13	0.09	0.04
	0.25	0.20	0.05
	0.25	0.06	0.40
	0.06	0.24	0.25
	0.13	0.13	0.32
	0.13	0.74	0.19
	0.13	0.30	0.94
	0.13	0.05	0.42
	0.13	0.25	0.08
	0.13	0.27	0.25
	0.13	0.10	0.34
	0.13	0.04	0.10
	0.13	0.25	1.00
	0.13	0.07	0.20
	0.13	0.06	0.46
	0.12	0.54	0.46
	0.12	0.29	1.00
	0.13	0.06	0.15
	0.13	0.48	0.09
	0.13	0.13	0.40
	0.12	0.08	0.36
	0.12	0.24	0.06
	0.13	0.21	0.12
	0.13	0.09	0.25
	0.24	0.44	0.22
	0.24	0.10	0.46
	0.13	0.11	0.97
	0.12	0.07	0.55
	0.13	0.25	0.06
	0.13	0.13	0.25
	0.13	0.25	0.10

**Table C-2a. ProUCL Soil Data Input for Select Post-Remedy Explosives
Constituents at Line 1 (mg/kg)**

1,3-DNB	2,4,6-TNT	HMX	RDX
	0.12	0.26	0.25
	0.12	0.24	0.10
	0.12	0.18	0.24
	0.13	0.13	0.19
	0.13	0.13	0.13
	0.16	0.16	0.13
	0.17	0.17	0.16
	0.16	0.16	0.17
	0.16	0.16	0.16
	0.17	0.34	0.16
	0.17	0.17	0.34
	0.25	0.08	0.34
	0.13	0.25	0.14
	0.41	0.70	0.15
	0.13	0.09	3.65
	0.13	0.25	0.50
	0.13	0.25	0.25
	0.13	0.08	0.28
	0.13	0.09	0.81
	0.13	0.13	0.33
	0.13	0.16	0.18
	0.13	0.25	0.25
	0.13	0.13	0.25
	0.13	0.16	0.13
	0.13	0.25	0.11
	0.13	0.20	0.25
	0.13	2.30	0.10
	0.13	0.19	1.10
	0.13	0.06	0.28
	0.13	1.30	0.17
	0.13	3.20	6.40
	0.13	0.78	12.00
	0.13	7.30	2.70
	0.13	2.00	6.00
	0.13	5.10	0.39
	0.13	19.00	0.25
	0.13	1.80	5.80
	0.13	1.90	2.30
	0.25	0.44	1.10
	0.13	1.50	0.44
	0.80	17.00	2.00
	0.13	1.40	200.00
	0.13	0.31	1.30
	0.13	0.62	0.50
	0.13	0.72	1.80

**Table C-2a. ProUCL Soil Data Input for Select Post-Remedy Explosives
Constituents at Line 1 (mg/kg)**

1,3-DNB	2,4,6-TNT	HMX	RDX
	0.13	0.19	1.10
	0.13	0.36	0.73
	0.13	0.69	0.33
	0.13	0.08	1.30
	0.13	0.06	0.25
	0.25	0.18	0.12
	0.25	0.11	0.65
	0.22	0.24	0.39
	0.09	2.30	1.60
	0.13	0.27	2.80
	0.25	0.67	0.11
	0.25	0.46	0.13
	0.13	1.00	0.52
	3.50	10.00	0.65
	0.13	0.20	46.50
	0.25	0.17	0.06
	0.13	0.06	0.25
	0.23	0.60	0.25
	0.13	0.13	3.70
	0.13	0.13	0.06
	0.13	0.25	0.06
	0.13	0.25	0.25
	0.13	0.21	0.25
	0.13	0.30	0.15
	0.13	0.25	0.38
	0.13	0.10	0.64
	0.13	0.02	0.20
	0.13	0.26	0.09
	0.13	0.13	1.00
	0.13	0.03	0.10
	0.13	0.13	0.13
	0.13	0.13	0.13
	0.12	0.24	0.25
	0.12	0.24	0.24
	0.13	0.07	0.76
	0.13	0.04	0.09
	0.13	0.07	0.14
	0.13	0.36	0.08
	0.13	0.25	0.66
	0.13	0.04	0.11
	0.13	0.05	0.32
	0.13	0.13	0.10
	0.13	0.02	0.13
	0.15	0.15	0.03
	0.17	0.17	0.15

**Table C-2a. ProUCL Soil Data Input for Select Post-Remedy Explosives
Constituents at Line 1 (mg/kg)**

1,3-DNB	2,4,6-TNT	HMX	RDx
	0.15	0.15	0.17
	0.15	0.15	0.15
	0.15	0.15	0.15
	0.15	0.15	0.15
	0.16	0.16	0.15
	0.15	0.15	0.16
			0.15

Table C-2b. ProUCL Soil Data Input for Select Post-Remedy Polychlorinated Biphenyls Constituents at Line 1 (mg/kg)

Aroclor-1254 (mg/kg)	Aroclor-1260 (mg/kg)
0.020	3.400
0.021	0.084
0.021	0.021
0.018	0.170
0.880	0.360
0.018	0.240
0.021	0.021
0.018	0.031
0.021	0.021
0.019	0.019
0.018	0.018
0.020	0.020
0.021	0.021
0.021	0.034
0.022	0.061
0.022	0.110
0.021	1.800
0.022	0.130
0.021	0.021
0.020	0.060
0.022	0.022
0.022	0.022
0.021	0.021
0.021	0.021
0.021	0.200
0.021	0.021
0.021	0.019
0.022	0.022
0.021	0.021
0.021	0.021
0.020	0.020
0.021	0.021
0.021	0.021
0.022	0.022
0.021	0.021
0.019	0.019
0.020	0.020
0.021	0.021
0.021	0.021
0.044	0.021
0.022	0.022
0.022	0.049
0.022	0.022
0.022	0.022

Table C-2b. ProUCL Soil Data Input for Select Post-Remedy Polychlorinated Biphenyls Constituents at Line 1 (mg/kg)

Aroclor-1254 (mg/kg)	Aroclor-1260 (mg/kg)
0.022	0.022
0.020	0.019
0.022	0.022
0.021	0.041
0.600	5.300
0.021	0.021
0.415	1.600
0.020	0.020
0.022	0.022
0.022	0.022
0.023	0.023
0.022	0.022
0.020	0.040
0.021	0.042
0.020	0.069
0.022	0.007
0.020	0.017
0.021	0.021
0.021	0.021
0.021	0.021
0.021	0.021
0.022	0.022
0.022	0.022
0.022	0.022
0.022	0.043
0.042	0.042
0.042	0.200
0.020	0.015
0.019	0.037
0.019	0.071
0.019	2.200
0.019	0.026
0.020	0.320
0.021	0.370
0.020	0.870
0.021	0.300

**Table C-2c. ProUCL Soil Data Input for Select Post-Remedy Metals
Constituents at Line 1 (mg/kg)**

Barium (mg/kg)	Chromium (mg/kg)	Mercury (mg/kg)	Selenium (mg/kg)	Silver (mg/kg)
146.00	16.40	0.03	0.66	0.13
138.00	16.10	0.02	0.22	0.13
187.00	18.60	0.04	0.70	0.12
115.00	1,440.00	0.05	0.26	0.12
128.00	16.50	0.05	0.51	0.13
107.00	7,510.00	0.05	0.11	1.00
150.00	476.00	0.04	0.80	0.44
200.00	22.30	0.07	0.36	0.44
186.00	76.50	0.03	0.85	0.43
115.00	149.00	0.05	0.35	0.43
189.00	20.00	0.05	0.34	0.44
166.00	10.00	0.03	0.34	0.44
255.00	13.30	0.03	0.85	0.12
203.00	14.00	0.05	0.35	0.14
151.00	6.95	0.04	0.99	0.14
168.00	7.10	0.04	1.50	0.15
170.00	17.40	0.005	0.91	0.14
180.00	12.90	0.04	0.85	0.14
275.00	22.40	0.04	1.30	0.55
43.20	37.50	0.03	0.49	0.13
197.00	18.90	0.05	1.30	0.55
54.80	30.60	0.03	0.48	0.13
243.00	16.70	0.04	0.87	0.55
29.20	19.40	0.02	0.47	0.55
39.10	16.80	0.06	0.49	0.13
170.00	20.40	0.46	0.79	0.12
204.00	22.00	0.06	0.87	0.23
54.70	5.20	0.14	0.78	0.24
184.00	18.30	0.05	0.51	0.14
154.00	9.80	0.98	2.20	0.12
217.00	15.40	0.03	1.00	0.13
226.00	3.70	0.03	1.10	0.12
156.00	92.40	0.03	0.71	0.50
27.00	27.60	0.02	0.45	0.12
184.00	22.70	0.03	0.96	0.11
156.00	10.00	0.04	0.72	0.12
167.00	16.40	0.02	0.87	0.12
135.00	26.10	0.04	0.64	0.12
146.00	21.50	0.03	0.58	0.12
146.00	11.80	0.06	0.85	0.12
166.00	15.10	0.07	0.55	0.50
38.00	2.50	0.30	0.46	0.46
175.00	14.30	1.80	2.70	0.65
138.00	11.40	0.20	1.20	4.20

**Table C-2c. ProUCL Soil Data Input for Select Post-Remedy Metals
Constituents at Line 1 (mg/kg)**

Barium (mg/kg)	Chromium (mg/kg)	Mercury (mg/kg)	Selenium (mg/kg)	Silver (mg/kg)
197.00	17.10	0.06	0.62	0.13
47.80	16.60	0.02	0.47	0.55
30.20	15.40	0.02	0.39	0.21
229.00	13.80	0.02	0.67	0.12
94.50	18.50	0.04	0.56	0.22
113.00	12.00	0.01	0.65	0.11
144.00	191.00	0.04	0.66	0.13
41.60	87.50	0.19	0.49	0.55
164.00	24.50	0.24	0.77	0.21
174.00	14.10	0.11	1.20	0.13
86.30	6.90	0.13	0.29	0.11
53.10	14.70	0.05	0.09	0.11
147.00	9.60	0.12	0.30	0.12
214.00	14.40	0.03	0.71	0.13
297.00	14.70	0.04	0.55	0.13
227.00	6.90	0.05	1.10	0.12
172.00	15.90	0.03	1.00	0.13
170.00	17.60	0.12	0.54	0.13
144.00	14.30	0.05	0.62	2.30
781.00	6.40	0.03	0.58	0.13
221.00	16.60	0.05	0.32	0.12
166.00	19.20	0.03	1.30	0.14
213.00	64.70	0.04	0.93	0.13
152.00	18.40	0.03	0.27	0.13
70.10	23.60	0.02	0.76	0.13
182.00	23.60	0.06	0.85	0.13
129.00	373.00	0.23	0.89	0.14
135.00	24.80	0.03	0.79	0.13
142.00	23.70	0.01	0.47	0.12
29.70	2,740.00	0.08	0.27	0.11
114.00	14.30	0.04	1.90	0.20
8.90	15.90	0.04	0.09	0.11
230.00	10.00	0.04	0.63	0.15
183.00	32.10	0.04	0.86	0.13
162.00	20.90	0.02	1.40	0.14
277.00	15.90	0.50	1.10	0.13
142.00	17.50	0.03	0.59	0.13
65.90	5.70	0.04	0.95	0.55
267.00	11.50	0.79	0.30	0.12
157.00	3.50	1.30	1.40	0.12
568.00	20.10	0.03	0.29	1.60
16,600.00	21.80	2.50	4.30	0.37
153.00	49.90	0.01	0.51	0.16
174.00	17.10	0.034	0.55	0.13

**Table C-2c. ProUCL Soil Data Input for Select Post-Remedy Metals
Constituents at Line 1 (mg/kg)**

Barium (mg/kg)	Chromium (mg/kg)	Mercury (mg/kg)	Selenium (mg/kg)	Silver (mg/kg)
30.30	16.30	0.020	0.28	0.11
87.20	1,170.00	0.003	0.29	0.13
29.50	12.20	0.041	0.10	0.11
68.40	15.30	1.700	0.09	0.11
14.50	36.30	0.023	0.46	0.50
230.000	1,380.00	0.017	0.960	0.60
210.000	16.20	0.110	0.890	0.65
28.000	15.80	0.098	0.270	0.55
230.000	8.20	0.055	1.000	0.65
84.000	107.00	0.030	0.600	0.60
150.000	5.40	0.047	1.000	0.50
40.000	30.50	0.032	0.310	0.55
190.000	3.70	0.760	1.300	0.65
160.000	19.00	0.065	1.400	0.60
160.000	16.00	0.260	0.760	0.60
170.000	8.00	0.040	1.100	0.60
230.000	17.00	0.039	1.600	0.60
240.000	34.00	0.024	2.100	0.65
330.000	12.00	0.160	1.400	0.60
300.000	6.40	0.039	1.800	0.65
160.000	16.00	0.045	0.310	0.60
180.000	21.00	0.050	1.600	0.60
190.000	19.00	0.018	1.400	0.65
220.000	17.00	0.006	2.100	0.60
210.000	25.00	0.080	0.650	0.65
160.000	18.00	0.033	1.400	0.60
170.000	34.00	0.039	1.800	0.60
430.000	26.00	0.035	2.900	0.70
150.000	15.00	0.034	0.360	0.55
17.000	26.00	0.021	0.265	0.55
660.000	18.00	0.028	2.000	0.70
140.000	16.00	0.027	0.600	0.60
150.000	180.00	0.003	0.315	0.65
150.000	17.00	0.053	0.305	0.60
180.000	19.00	0.042	1.700	0.65
150.000	32.00	0.042	1.100	0.65
240.000	6.50	0.065	1.100	0.65
140.000	6.70	0.030	0.630	0.65
140.000	110.00	0.039	0.940	0.65
200.000	15.00	0.083	1.200	0.65
180.000	15.00	0.046	1.700	0.70
210.000	13.00	0.090	1.500	0.65
200.000	17.00	0.013	2.000	0.65
170.000	15.00	0.017	1.500	0.65

**Table C-2c. ProUCL Soil Data Input for Select Post-Remedy Metals
Constituents at Line 1 (mg/kg)**

Barium (mg/kg)	Chromium (mg/kg)	Mercury (mg/kg)	Selenium (mg/kg)	Silver (mg/kg)
150.000	25.00	0.110	1.500	0.65
170.000	14.00	0.045	1.400	0.65
190.000	17.00	0.068	1.600	0.65
53.000	18.00	0.016	1.300	0.60
230.000	17.00	0.067	1.700	0.60
200.000	15.00	0.039	0.770	0.65
100.000	16.00	0.058	1.100	0.65
260.000	11.00	0.049	1.500	0.65
160.000	16.00	0.080	1.300	0.60
9.100	33.00	0.200	0.530	0.60
170.000	41.00	0.049	1.100	0.65
220.000	13.00	0.041	1.500	0.65
150.000	14.00	0.060	2.700	0.65
120.000	14.00	0.065	1.000	0.55
180.000	15.00	0.060	1.400	0.65
58.000	18.00	0.550	0.760	0.60
180.000	14.00	0.065	0.630	0.65
180.000	0.60	1.400	1.500	0.60
190.000	20.00	0.060	0.310	0.60
240.000	16.00	0.060	0.315	0.65
160.000	38.00	0.036	0.305	0.60
120.000	20.00	3.900	0.900	0.60
200.000	15.00	0.035	0.315	0.65
150.000	9.00	0.047	1.400	0.65
200.000	17.00	0.051	0.310	0.60
210.000	15.00	0.100	0.310	0.60
130.000	15.00	0.023	1.200	0.65
140.000	16.00	0.033	0.320	0.04
250.000	13.00	0.092	2.500	0.65
160.000	13.00	0.029	1.800	0.65
200.000	17.00	0.079	0.650	0.65
110.000	17.00	0.045	0.420	0.60
220.000	12.00	0.065	2.000	0.65
200.000	12.00	0.022	2.000	0.65
350.000	15.00	0.023	2.300	0.65
170.000	94.00	0.021	1.500	0.65
170.000	19.00	0.031	1.800	0.65
200.000	24.00	0.035	2.500	0.65
190.000	22.00	0.040	0.650	0.65
180.000	20.00	0.031	1.100	0.60
150.000	16.00	0.044	1.000	0.55
220.000	17.00	0.021	2.100	0.70
120.000	20.00	0.032	0.305	0.60
220.000	17.00	0.020	0.330	0.65

**Table C-2c. ProUCL Soil Data Input for Select Post-Remedy Metals
Constituents at Line 1 (mg/kg)**

Barium (mg/kg)	Chromium (mg/kg)	Mercury (mg/kg)	Selenium (mg/kg)	Silver (mg/kg)
150.000	16.00	0.290	0.320	0.65
180.000	18.00	0.037	0.650	0.65
170.000	17.00	0.029	0.330	0.65
150.000	15.00	0.034	0.320	0.07
170.000	10.00	0.060	1.300	0.60
160.000	17.00	0.200	0.990	0.65
170.000	18.00	0.057	1.400	0.65
170.000	18.00	0.027	2.000	0.65
160.000	25.00	0.059	1.700	0.60
180.000	20.00	0.033	1.400	0.65
140.000	23.00	0.035	0.305	0.60
400.000	14.00	0.089	1.800	0.60
210.000	14.00	0.037	0.150	0.55
220.000	15.00	0.029	1.500	0.65
140.000	15.00	0.034	0.295	0.60
200.000	17.00	0.070	2.200	0.65
250.000	16.00	0.065	1.800	0.65
160.000	17.00	0.044	0.345	0.70
75.000	14.00	0.056	1.500	0.65
70.000	16.00	0.065	0.920	0.60
48.000	6.70	0.060	0.840	0.70
290.000	270.00	0.065	1.000	0.70
130.000	13.00	0.060	0.330	0.65
250.000	16.00	0.065	1.000	0.60
270.000	17.00	0.024	0.620	0.65
19.000	13.00	0.160	0.330	0.65
23.000	8.70	0.028	0.305	0.60
25.000	7.10	0.031	0.325	0.65
110.000	11.00	0.036	0.310	0.60
180.000	16.00	0.055	1.500	0.65
14.000	12.00	0.032	0.270	0.55
140.000	14.00	0.040	1.600	0.65
150.000	20.00	0.065	1.500	0.65
170.000	2.80	0.085	1.500	0.65
200.000	2.80	0.394	1.600	0.65
250.000	3.10	0.450	2.000	0.65
160.000	11.00	0.062	1.500	0.60
120.000	13.00	0.032	0.305	0.60
140.000	0.55	0.051	0.325	0.65
110.000	14.00	0.043	0.415	0.85
150.000	11.00	0.170	0.305	0.60
160.000	12.00	0.054	1.400	0.65
160.000	12.00	1.400	0.310	0.60
200.000	13.00	0.056	1.100	0.60

**Table C-2c. ProUCL Soil Data Input for Select Post-Remedy Metals
Constituents at Line 1 (mg/kg)**

Barium (mg/kg)	Chromium (mg/kg)	Mercury (mg/kg)	Selenium (mg/kg)	Silver (mg/kg)
340.000	16.00	0.093	2.100	0.70
230.000	8.10	0.032	0.370	0.60
210.000	15.00	0.031	1.100	0.60
210.000	15.00	0.220	0.680	0.65
160.000	12.00	0.038	1.400	0.90
180.000	14.00	0.026	0.560	0.60
150.000	13.00	0.020	0.830	0.65
190.000	18.00	0.054	1.800	0.65
220.000	16.00	0.048	1.300	0.65
270.000	15.00	0.038	3.200	0.65
190.000	18.00	0.034	1.800	0.70
130.000	17.00	0.053	0.790	0.60
130.000	28.00	0.040	0.295	0.60
200.000	17.00	0.035	1.900	210.00
170.000	19.00	0.070	1.300	0.60
170.000	17.00	0.043	1.600	0.66
190.000	15.00	0.039	2.000	0.65
170.000	30.00	0.038	1.000	0.65
200.000	200.00	0.240	0.310	0.60
180.000	10.00	0.024	1.500	0.60
200.000	9.80	0.028	0.850	0.70
140.000	21.00	0.033	1.100	0.80
140.000	18.00	0.041	0.620	0.05
170.000	17.00	0.043	0.990	0.70
440.000	14.00	0.032	0.770	0.65
160.000	210.00	0.081	0.240	0.65
220.000	62.00	0.030	1.800	0.70
140.000	18.00	0.026	0.880	0.60
300.000	19.00	0.046	0.325	0.65
160.000	14.00	0.020	0.355	12.00
170.000	16.00	0.120	0.355	12.00
180.000	19.00	0.026	3.300	49.00
140.000	29.00	0.023	1.200	0.32
120.000	14.00	0.036	1.000	0.65
160.000	19.00	0.049	1.100	0.65
70.000	13.00	0.038	1.100	0.60
12,000.000	18.00	0.017	1.300	0.75
120.000	23.00	0.055	0.740	0.65
220.000	21.00	0.06	0.420	0.65
190.000	100.00	0.14	2.200	0.65
210.000	14.00	0.10	0.840	0.65
680.000	14.00	0.12	1.300	0.65
130.000	13.00	0.06	1.500	0.65
230.000	6.90	0.03	1.600	0.65

**Table C-2c. ProUCL Soil Data Input for Select Post-Remedy Metals
Constituents at Line 1 (mg/kg)**

Barium (mg/kg)	Chromium (mg/kg)	Mercury (mg/kg)	Selenium (mg/kg)	Silver (mg/kg)
162.00	190.00	0.06	0.34	0.43
165.00	14.00	0.06	0.74	0.43
202.00	15.00	0.05	0.90	0.46
183.00	16.00	0.03	0.34	0.42
225.00	24.00	0.09	0.77	0.45
215.00	30.00	0.04	0.36	0.45
120.00	13.00	0.11	0.34	0.43
224.00	15.00	0.29	0.35	0.43
197.00	15.90	0.22	0.37	0.46
192.00	22.20	0.06	0.35	0.44
243.00	17.30	0.06	0.35	0.44
287.00	21.60	0.04	0.65	0.80
317.00	15.50	0.06	1.60	0.80
212.00	15.40	0.05	0.65	1.60
444.00	13.20	0.05	0.65	4.00
299.00	14.90		0.65	1.15
276.00	16.80		0.37	0.46
302.00	18.80		0.90	0.46
243.00	16.70		0.37	0.47
216.00	59.20		0.90	0.45
286.00	35.40		0.85	0.42
203.00	87.20		0.85	0.42
	170.00			
	49.10			
	27.40			
	21.10			
	19.40			
	19.50			
	19.00			
	20.10			

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	1,3-DNB		
											Result	DL	VQ
IAAP100010	IAAP100010	691780.86	93099.7	03/28/07	0	0.5					0.00		
IAAP100011	IAAP100011	691787.31	93095.73	03/28/07	0	0.5					0.00		
IAAP100012	IAAP100012	691778.68	93098.89	03/29/07	0	0.5					0.00		
IAAP100013	IAAP100013	691779.96	93101.82	03/29/07	0	0.5					0.00		
IAAP100031	IAAP100031	691727.31	93292.52	03/29/07	0	0.5					0.00		
IAAP100034	IAAP100034	691728.18	93296.62	03/29/07	0	0.5					0.00		
IAAP100035	IAAP100035	692005.58	92968.44	03/23/07	0	0.5					0.00		
IAAP100037	IAAP100037	692014.14	92937.77	03/23/07	0	0.5					0.00		
IAAP100038	IAAP100038	692031.34	92874.43	03/23/07	0	0.5					0.00		
IAAP100039	IAAP100039	692024.18	92862.93	03/23/07	0	0.5					0.00		
IAAP100040	IAAP100040	692000.86	92882.82	03/23/07	0	0.5					0.00		
IAAP100041	IAAP100041	691961.46	92932.89	03/23/07	0	0.5					0.00		
IAAP100042	IAAP100042	691968.62	92956.24	03/23/07	0	0.5					0.00		
IAAP100077	IAAP100077	691941.41	92682.71	04/15/07	0	0.5					0.00		
IAAP100080	IAAP100080	691883.53	92828.33	04/16/07	0	0.5					0.00		
IAAP100081	IAAP100081	691880.11	92824.77	04/16/07	0	0.5					0.00		
IAAP100082	IAAP100082	691846	92975.9	04/12/07	0	0.5					0.00		
IAAP100083	IAAP100083	691833.02	92985.13	04/12/07	0	0.5					0.00		
IAAP100084	IAAP100084	691817.45	92952.64	04/12/07	0	0.5					0.00		
IAAP100085	IAAP100085	691825.93	92962.89	04/12/07	0	0.5					0.00		
IAAP100086	IAAP100086	691816.47	92969.84	04/12/07	0	0.5					0.00		
IAAP100089	IAAP100089	691777.81	92877.46	04/12/07	0	0.5					0.00		
IAAP100090	IAAP100090	691736.11	92729.43	04/12/07	0	0.5					0.00		
IAAP100091	IAAP100091	691735.21	92735.25	04/12/07	0	0.5					0.00		
IAAP100092	IAAP100092	691738.56	92729.19	04/12/07	0	0.5					0.00		
IAAP100093	IAAP100093	691685.73	92756.51	04/12/07	0	0.5					0.00		
IAAP100094	IAAP100094	691692.38	92751.73	04/12/07	0	0.5					0.00		
IAAP100097	IAAP100097	692027.57	92531.96	04/15/07	0	0.5					0.00		
IAAP103929	IAAP103929	691846	92975.9	05/30/07	0	0.5					0.00		
IAAP103933	IAAP103933	691894.16	92815.81	06/05/07	0	0.5					0.00		
IAAP103934	IAAP103934	691888.07	92827.71	06/05/07	0	0.5					0.00		
IAAP103935	IAAP103935	691882.21	92826.3	06/05/07	0	0.5					0.00		
IAAP103937	IAAP103937	691786	92883	05/30/07	0	0.5					0.00		
IAAP103945	IAAP103945	691737.12	92730.82	06/05/07	0	0.5					0.00		
IAAP103946	IAAP103946	691713.63	92731.28	06/05/07	0	0.5					0.00		
IAAP103947	IAAP103947	691671.41	92853.69	05/30/07	0	0.5					0.00		
IAAP103955	IAAP103955	691976	92478	06/05/07	1	2					0.00		
IAAP103955	IAAP103956	691976	92478	06/05/07	2	4					0.00		
IAAP103960	IAAP103960	692036.54	92387.64	06/05/07	0	0.5					0.00		
IAAP103961	IAAP103961	692032.45	92380.16	06/05/07	0	0.5					0.00		
IAAP103962	IAAP103962	692031.92	92387.59	05/31/07	0	0.5					0.00		
IAAP103966	IAAP103966	692011.9	92389.25	05/31/07	0	0.5					0.00		

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	1,3-DNB		
											Result	DL	VQ
IAAP103985	IAAP103985	691740.96	92254.55	06/05/07	0	0.5					0.00		
IAAP103986	IAAP103986	691694.87	92264.54	06/05/07	0	0.5					0.00		
IAAP100042	IAAP103994	691968.62	92956.24	06/05/07	2	3					0.00		
IAAP100041	IAAP103995	691961.46	92932.89	06/05/07	1	2					0.00		
IAAP100035	IAAP103996	692005.58	92968.44	06/05/07	1	2					0.00		
IAAP105943	IAAP105943	691813	92938	10/16/07	2	4					0.00		
IAAP105943	IAAP105944	691813	92938	10/16/07	4	6					0.00		
IAAP105960	IAAP105960	691945.85	92684.41	10/16/07	2	4					0.00		
IAAP105962	IAAP105962	691936.3	92683.35	10/16/07	2	4					0.00		
IAAP105964	IAAP105964	692019.34	92419.21	10/16/07	1	2					0.00		
IAAP96927	IAAP111632	691998.35	92979.48	09/23/08	0	0.5					0.17	0.33	U
IAAP111640	IAAP111640	691877.22	93004.64	09/24/08	0	0.5					0.13	0.26	U
IAAP111641	IAAP111641	691884.21	92997.58	09/24/08	0	0.5					0.14	0.28	U
IAAP111642	IAAP111642	691886.13	92986.85	09/24/08	0	0.5					0.14	0.27	U
IAAP103924	IAAP111643	691875.87	92999.03	09/24/08	1	2					0.16	0.31	U
IAAP111646	IAAP111646	691813.97	92960.93	09/24/08	0	2					0.16	0.31	U
IAAP111646	IAAP111647	691813.97	92960.93	09/24/08	2	4					0.17	0.33	U
IAAP111646	IAAP111648	691813.97	92960.93	09/24/08	4	6					0.16	0.32	U
IAAP100084	IAAP111649	691817.45	92952.64	09/24/08	0.5	2					0.16	0.32	U
IAAP100084	IAAP111650	691817.45	92952.64	09/24/08	2	4					0.16	0.32	U
IAAP100084	IAAP111651	691817.45	92952.64	09/24/08	4	6					0.16	0.32	U
IAAP111652	IAAP111652	691848.62	92980.16	09/24/08	0	1					0.15	0.3	U
IAAP111652	IAAP111653	691848.62	92980.16	09/24/08	1	2					0.16	0.31	U
IAAP111655	IAAP111655	691895.09	92825.42	09/25/08	0	0.5					0.16	0.32	U
IAAP111663	IAAP111663	691685.3	92748	09/23/08	0	0.5					0.18	0.35	U
IAAP111666	IAAP111666	691678.31	92547.43	09/23/08	0	1					0.17	0.33	U
IAAP111666	IAAP111667	691678.31	92547.43	09/23/08	1	2					0.17	0.33	U
IAAP111666	IAAP111668	691678.31	92547.43	09/23/08	2	4					0.16	0.32	U
IAAP111670	IAAP111670	691927.99	92676.85	09/23/08	0	2					0.16	0.31	U
IAAP111670	IAAP111671	691927.99	92676.85	09/23/08	2	4					0.15	0.29	U
IAAP111672	IAAP111672	691939.08	92675.99	09/23/08	0	2					0.16	0.31	U
IAAP111672	IAAP111673	691939.08	92675.99	09/23/08	2	4					0.16	0.31	U
IAAP111679	IAAP111679	692014	92397	09/23/08	0	1					0.17	0.34	U
IAAP111679	IAAP111680	692014	92397	09/23/08	1	2					0.17	0.33	U
IAAP111681	IAAP111681	692018.19	92383.4	09/23/08	0	1					0.17	0.33	U
IAAP111681	IAAP111682	692018.19	92383.4	09/23/08	1	2					0.17	0.33	U
IAAP111721	IAAP111721	691752.34	92256.02	09/22/08	0	0.5					0.15	0.3	U
IAAP111722	IAAP111722	691750.74	92261.62	09/22/08	0	0.5					0.15	0.3	U
IAAP130287	IAAP130287	691817.89	92964.9	09/07/10	9.9	10.4					0.13	0.25	U
IAAP130287	IAAP130288	691817.89	92964.9	09/07/10	11	12					0.13	0.25	U

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	1,3-DNB		
											Result	DL	VQ
IAAP130287	IAAP130289	691817.89	92964.9	09/07/10	12	13					0.13	0.25	U
IAAP97020	IAAP130333	691695	92744	09/09/10	1	2					0.13	0.25	U
IAAP97020	IAAP130334	691695	92744	09/09/10	2	3					0.13	0.25	U
IAAP97020	IAAP130335	691695	92744	09/09/10	3	4					0.13	0.25	U
IAAP97020	IAAP130336	691695	92744	09/09/10	4	5					0.13	0.25	U
IAAP97020	IAAP130337	691695	92744	09/09/10	5	6					0.13	0.25	U
IAAP97020	IAAP130338	691695	92744	09/09/10	6	7					0.13	0.25	U
IAAP97020	IAAP130339	691695	92744	09/09/10	7	8					0.13	0.25	U
IAAP97020	IAAP130340	691695	92744	09/09/10	8	9					0.13	0.25	U
IAAP130342	IAAP130342	691691	92737	09/09/10	0	1					0.13	0.25	U
IAAP130342	IAAP130343	691691	92737	09/09/10	1	2					0.13	0.25	U
IAAP130342	IAAP130344	691691	92737	09/09/10	2	3					0.13	0.25	U
IAAP130342	IAAP130345	691691	92737	09/09/10	3	4					0.13	0.25	U
IAAP130342	IAAP130346	691691	92737	09/09/10	4	5					0.13	0.25	U
IAAP130342	IAAP130347	691691	92737	09/09/10	5	6					0.13	0.25	U
IAAP130342	IAAP130348	691691	92737	09/09/10	6	7					0.13	0.25	U
IAAP130342	IAAP130349	691691	92737	09/09/10	7	8					0.13	0.25	U
IAAP130342	IAAP130350	691691	92737	09/09/10	8	9					0.13	0.25	U
IAAP130342	IAAP130351	691691	92737	09/09/10	9	10					0.13	0.25	U
IAAP97029	IAAP130367	691930	92683	09/08/10	1	2					0.13	0.25	U
IAAP97029	IAAP130368	691930	92683	09/08/10	2	3					0.13	0.25	U
IAAP97029	IAAP130369	691930	92683	09/08/10	3	4					0.13	0.25	U
IAAP97029	IAAP130370	691930	92683	09/08/10	4	5					0.13	0.25	U
IAAP97029	IAAP130371	691930	92683	09/08/10	5	6					0.13	0.25	U
IAAP97029	IAAP130372	691930	92683	09/08/10	6	7					0.13	0.25	U
IAAP97029	IAAP130373	691930	92683	09/08/10	7	8					0.13	0.25	U
IAAP111670	IAAP130374	691927.99	92676.85	09/14/10	4	5					0.13	0.25	U
IAAP111670	IAAP130375	691927.99	92676.85	09/14/10	5	6					0.13	0.25	U
IAAP111670	IAAP130376	691927.99	92676.85	09/14/10	6	7					0.13	0.25	U
IAAP111670	IAAP130377	691927.99	92676.85	09/14/10	7	8					0.13	0.25	U
IAAP105964	IAAP130414	692019.34	92419.21	09/09/10	0	1					0.13	0.25	U
IAAP105964	IAAP130415	692019.34	92419.21	09/09/10	2	3					0.13	0.25	U
IAAP105964	IAAP130416	692019.34	92419.21	09/09/10	3	4					0.13	0.25	U
IAAP105964	IAAP130417	692019.34	92419.21	09/09/10	4	5					0.13	0.25	U
IAAP105964	IAAP130418	692019.34	92419.21	09/09/10	5	6					0.13	0.25	U
IAAP105964	IAAP130419	692019.34	92419.21	09/09/10	6	7					0.13	0.25	U
IAAP105964	IAAP130420	692019.34	92419.21	09/09/10	7	8					0.13	0.25	U
IAAP105964	IAAP130421	692019.34	92419.21	09/09/10	8	9					0.13	0.25	U
IAAP130422	IAAP130430	692016.33	92408.51	09/13/10	8	9					0.00		
IAAP99934	IAAP130431	692030.09	92396.58	09/08/10	2	3					0.13	0.25	U

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	1,3-DNB		
											Result	DL	VQ
IAAP99934	IAAP130432	692030.09	92396.58	09/08/10	3	4					0.13	0.25	U
IAAP99934	IAAP130433	692030.09	92396.58	09/08/10	4	5					0.13	0.25	U
IAAP99934	IAAP130434	692030.09	92396.58	09/08/10	5	6					0.13	0.25	U
IAAP99934	IAAP130435	692030.09	92396.58	09/08/10	6	7					0.13	0.25	U
IAAP130436	IAAP130436	692033.78	92397.78	09/08/10	0	1					0.13	0.25	U
IAAP130436	IAAP130437	692033.78	92397.78	09/08/10	1	2					0.13	0.25	U
IAAP130436	IAAP130438	692033.78	92397.78	09/08/10	2	3					0.13	0.25	U
IAAP130436	IAAP130439	692033.78	92397.78	09/08/10	3	4					0.13	0.25	U
IAAP130436	IAAP130440	692033.78	92397.78	09/08/10	4	5					0.13	0.25	U
IAAP130436	IAAP130441	692033.78	92397.78	09/08/10	5	6					0.13	0.25	U
IAAP130436	IAAP130442	692033.78	92397.78	09/08/10	6	7					0.13	0.25	U
IAAP130461	IAAP130461	692011.4	92416.21	09/13/10	0	1					0.13	0.25	U
IAAP130461	IAAP130462	692011.4	92416.21	09/13/10	1	2					0.13	0.25	U
IAAP130461	IAAP130463	692011.4	92416.21	09/13/10	2	3					0.13	0.25	U
IAAP130461	IAAP130464	692011.4	92416.21	09/13/10	3	4					0.13	0.25	U
IAAP130461	IAAP130465	692011.4	92416.21	09/13/10	4	5					0.13	0.25	U
IAAP130461	IAAP130466	692011.4	92416.21	09/13/10	5	6					0.13	0.25	U
IAAP130461	IAAP130467	692011.4	92416.21	09/13/10	6	7					0.13	0.25	U
IAAP130461	IAAP130468	692011.4	92416.21	09/13/10	7	8					0.13	0.25	U
IAAP130461	IAAP130469	692011.4	92416.21	09/13/10	8	9					0.13	0.25	U
IAAP132548	IAAP132548	691985.39	92461.61	12/07/10	0	1					0.13	0.25	U
IAAP132548	IAAP132549	691985.39	92461.61	12/07/10	1	2					0.13	0.25	U
IAAP132548	IAAP132550	691985.39	92461.61	12/07/10	2	3					0.13	0.25	U
IAAP132548	IAAP132551	691985.39	92461.61	12/07/10	3	4					0.13	0.25	U
IAAP132548	IAAP132552	691985.39	92461.61	12/07/10	4	5					0.13	0.25	U
IAAP132548	IAAP132553	691985.39	92461.61	12/07/10	5	6					0.13	0.25	U
IAAP132554	IAAP132554	692017.39	92419.47	12/08/10	0	1					0.13	0.25	U
IAAP132554	IAAP132555	692017.39	92419.47	12/08/10	1	2					0.13	0.25	U
IAAP132554	IAAP132556	692017.39	92419.47	12/08/10	2	3					0.13	0.25	U
IAAP132554	IAAP132557	692017.39	92419.47	12/08/10	3	4					0.13	0.25	U
IAAP132554	IAAP132558	692017.39	92419.47	12/08/10	4	5					0.13	0.25	U
IAAP132554	IAAP132559	692017.39	92419.47	12/08/10	5	6					0.13	0.25	U
IAAP132560	IAAP132560	692009.98	92408.8	12/07/10	0	1					0.13	0.25	U
IAAP132560	IAAP132561	692009.98	92408.8	12/07/10	1	2					0.13	0.25	U
IAAP132560	IAAP132562	692009.98	92408.8	12/07/10	2	3					0.13	0.25	U
IAAP132560	IAAP132563	692009.98	92408.8	12/07/10	3	4					0.13	0.25	U
IAAP132560	IAAP132564	692009.98	92408.8	12/07/10	4	5					0.13	0.25	U
IAAP132560	IAAP132565	692009.98	92408.8	12/07/10	5	6					0.13	0.25	U
IAAP132566	IAAP132566	692020.12	92377.24	12/07/10	0	1					0.13	0.25	U
IAAP132566	IAAP132567	692020.12	92377.24	12/07/10	1	2					0.13	0.25	U

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	1,3-DNB		
											Result	DL	VQ
IAAP132566	IAAP132568	692020.12	92377.24	12/07/10	2	3					0.13	0.25	U
IAAP132566	IAAP132569	692020.12	92377.24	12/07/10	3	4					0.13	0.25	U
IAAP132566	IAAP132570	692020.12	92377.24	12/07/10	4	5					0.13	0.25	U
IAAP132566	IAAP132571	692020.12	92377.24	12/07/10	5	6					0.13	0.25	U
IAAP132584	IAAP132584	691993.3	92446.6	12/07/10	0	1					0.13	0.25	U
IAAP132584	IAAP132585	691993.3	92446.6	12/07/10	1	2					0.13	0.25	U
IAAP132584	IAAP132586	691993.3	92446.6	12/07/10	2	3					0.13	0.25	U
IAAP132584	IAAP132587	691993.3	92446.6	12/07/10	3	4					0.13	0.25	U
IAAP132584	IAAP132588	691993.3	92446.6	12/07/10	4	5					0.13	0.25	U
IAAP132584	IAAP132589	691993.3	92446.6	12/07/10	5	6					0.13	0.25	U
IAAP132590	IAAP132590	692004.8	92423.59	12/07/10	0	1					0.13	0.25	U
IAAP132590	IAAP132591	692004.8	92423.59	12/07/10	1	2					0.13	0.25	U
IAAP132590	IAAP132592	692004.8	92423.59	12/07/10	2	3					0.13	0.25	U
IAAP132590	IAAP132593	692004.8	92423.59	12/07/10	3	4					0.13	0.25	U
IAAP132590	IAAP132594	692004.8	92423.59	12/07/10	4	5					0.13	0.25	U
IAAP132590	IAAP132595	692004.8	92423.59	12/07/10	5	6					0.13	0.25	U
IAAP132602	IAAP132602	692021.1	92375.6	12/08/10	0	1					0.13	0.25	U
IAAP132602	IAAP132603	692021.1	92375.6	12/08/10	1	2					0.13	0.25	U
IAAP132602	IAAP132604	692021.1	92375.6	12/08/10	2	3					0.13	0.25	U
IAAP132602	IAAP132605	692021.1	92375.6	12/08/10	3	4					0.13	0.25	U
IAAP132602	IAAP132606	692021.1	92375.6	12/08/10	4	5					0.13	0.25	U
IAAP132602	IAAP132607	692021.1	92375.6	12/08/10	5	6					0.13	0.25	U
IAAP132608	IAAP132608	692034.8	92362.03	12/08/10	0	1					0.13	0.25	U
IAAP132608	IAAP132609	692034.8	92362.03	12/08/10	1	2					0.13	0.25	U
IAAP132608	IAAP132610	692034.8	92362.03	12/08/10	2	3					0.13	0.25	U
IAAP132608	IAAP132611	692034.8	92362.03	12/08/10	3	4					0.13	0.25	U
IAAP132608	IAAP132612	692034.8	92362.03	12/08/10	4	5					0.13	0.25	U
IAAP132608	IAAP132613	692034.8	92362.03	12/08/10	5	6					0.13	0.25	U
IAAP132560	IAAP132614	692009.98	92408.8	12/07/10	6.4	6.6					0.13	0.25	U
IAAP132590	IAAP132616	692004.8	92423.59	12/07/10	8.5	8.6					0.13	0.25	U
IAAP132602	IAAP132618	692021.1	92375.6	12/08/10	9.5	10					0.13	0.25	U
IAAP133133	IAAP133133	691985.5	92460.74	12/08/10	0	1					0.13	0.25	U
IAAP133133	IAAP133134	691985.5	92460.74	12/08/10	1	2					0.13	0.25	U
IAAP133133	IAAP133135	691985.5	92460.74	12/08/10	2	3					0.13	0.25	U
IAAP135624	IAAP135624	691980.88	92492.22	04/12/11	0	1					0.13	0.25	U
IAAP135624	IAAP135625	691980.88	92492.22	04/12/11	1	2					0.13	0.25	U
IAAP135624	IAAP135626	691980.88	92492.22	04/12/11	2	3					0.13	0.25	U
IAAP135624	IAAP135627	691980.88	92492.22	04/12/11	3	4					0.13	0.25	U
IAAP135624	IAAP135628	691980.88	92492.22	04/12/11	4	5					0.13	0.25	U
IAAP135624	IAAP135629	691980.88	92492.22	04/12/11	5	6					0.13	0.25	U

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	1,3-DNB		
											Result	DL	VQ
IAAP135630	IAAP135630	691983.2	92499.09	04/12/11	0	1					0.13	0.25	U
IAAP135630	IAAP135631	691983.2	92499.09	04/12/11	1	2					0.13	0.25	U
IAAP135630	IAAP135632	691983.2	92499.09	04/12/11	2	3					0.13	0.25	U
IAAP135630	IAAP135633	691983.2	92499.09	04/12/11	3	4					0.13	0.25	U
IAAP135630	IAAP135634	691983.2	92499.09	04/12/11	4	5					0.13	0.25	U
IAAP135630	IAAP135635	691983.2	92499.09	04/12/11	5	6					0.13	0.25	U
IAAP135642	IAAP135642	691979	92523.18	04/12/11	0	1					0.13	0.25	U
IAAP135642	IAAP135643	691979	92523.18	04/12/11	1	2					0.13	0.25	U
IAAP135642	IAAP135644	691979	92523.18	04/12/11	2	3					0.13	0.25	U
IAAP135642	IAAP135645	691979	92523.18	04/12/11	3	4					0.13	0.25	U
IAAP135642	IAAP135646	691979	92523.18	04/12/11	4	5					0.13	0.25	U
IAAP135642	IAAP135647	691979	92523.18	04/12/11	5	6					0.13	0.25	U
IAAP135648	IAAP135648	691977.06	92526.48	04/12/11	0	1					0.13	0.25	U
IAAP135648	IAAP135649	691977.06	92526.48	04/12/11	1	2					0.13	0.25	U
IAAP135648	IAAP135650	691977.06	92526.48	04/12/11	2	3					0.13	0.25	U
IAAP135648	IAAP135651	691977.06	92526.48	04/12/11	3	4					0.13	0.25	U
IAAP135648	IAAP135652	691977.06	92526.48	04/12/11	4	5					0.13	0.25	U
IAAP135648	IAAP135653	691977.06	92526.48	04/12/11	5	6					0.13	0.25	U
IAAP135672	IAAP135672	691966.97	92559.46	04/13/11	0	1					0.13	0.25	U
IAAP135672	IAAP135673	691966.97	92559.46	04/13/11	1	2					0.13	0.25	U
IAAP135672	IAAP135674	691966.97	92559.46	04/13/11	2	3					0.13	0.25	U
IAAP135672	IAAP135675	691966.97	92559.46	04/13/11	3	4					0.13	0.25	U
IAAP135672	IAAP135676	691966.97	92559.46	04/13/11	4	5					0.13	0.25	U
IAAP135672	IAAP135677	691966.97	92559.46	04/13/11	5	6					0.13	0.25	U
IAAP135678	IAAP135678	691962.25	92572.14	04/13/11	0	1					0.13	0.25	U
IAAP135678	IAAP135679	691962.25	92572.14	04/13/11	1	2					0.13	0.25	U
IAAP135678	IAAP135680	691962.25	92572.14	04/13/11	2	3					0.13	0.25	U
IAAP135678	IAAP135681	691962.25	92572.14	04/13/11	3	4					0.13	0.25	U
IAAP135678	IAAP135682	691962.25	92572.14	04/13/11	4	5					0.13	0.25	U
IAAP135678	IAAP135683	691962.25	92572.14	04/13/11	5	6					0.13	0.25	U
IAAP135684	IAAP135684	691961.6	92575.74	04/13/11	0	1					0.13	0.25	U
IAAP135684	IAAP135685	691961.6	92575.74	04/13/11	1	2					0.13	0.25	U
IAAP135684	IAAP135686	691961.6	92575.74	04/13/11	2	3					0.13	0.25	U
IAAP135684	IAAP135687	691961.6	92575.74	04/13/11	3	4					0.13	0.25	U
IAAP135684	IAAP135688	691961.6	92575.74	04/13/11	4	5					0.13	0.25	U
IAAP135684	IAAP135689	691961.6	92575.74	04/13/11	5	6					0.13	0.25	U
IAAP135690	IAAP135690	691957.18	92589.23	04/13/11	0	1					0.13	0.25	U
IAAP135690	IAAP135691	691957.18	92589.23	04/13/11	1	2					0.13	0.25	U
IAAP135690	IAAP135692	691957.18	92589.23	04/13/11	2	3					0.13	0.25	U
IAAP135690	IAAP135693	691957.18	92589.23	04/13/11	3	4					0.13	0.25	U

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	1,3-DNB		
											Result	DL	VQ
IAAP135690	IAAP135694	691957.18	92589.23	04/13/11	4	5					0.13	0.25	U
IAAP135690	IAAP135695	691957.18	92589.23	04/13/11	5	6					0.13	0.25	U
IAAP135696	IAAP135696	691953.6	92600.02	04/13/11	0	1					0.13	0.25	U
IAAP135696	IAAP135697	691953.6	92600.02	04/13/11	1	2					0.13	0.25	U
IAAP135696	IAAP135698	691953.6	92600.02	04/13/11	2	3					0.13	0.25	U
IAAP135696	IAAP135699	691953.6	92600.02	04/13/11	3	4					0.13	0.25	U
IAAP135696	IAAP135700	691953.6	92600.02	04/13/11	4	5					0.13	0.25	U
IAAP135696	IAAP135701	691953.6	92600.02	04/13/11	5	6					0.13	0.25	U
IAAP135702	IAAP135702	691943.2	92622.73	04/13/11	0	1					0.13	0.25	UJ
IAAP135702	IAAP135703	691943.2	92622.73	04/13/11	1	2					0.13	0.25	UJ
IAAP135702	IAAP135704	691943.2	92622.73	04/13/11	2	3					0.13	0.25	UJ
IAAP135702	IAAP135705	691943.2	92622.73	04/13/11	3	4					0.13	0.25	UJ
IAAP135702	IAAP135706	691943.2	92622.73	04/13/11	4	5					0.13	0.25	UJ
IAAP135702	IAAP135707	691943.2	92622.73	04/13/11	5	6					0.13	0.25	UJ
IAAP135708	IAAP135708	691942.51	92624.81	04/13/11	0	1					0.13	0.25	UJ
IAAP135708	IAAP135709	691942.51	92624.81	04/13/11	1	2					0.13	0.25	UJ
IAAP135708	IAAP135710	691942.51	92624.81	04/13/11	2	3					0.13	0.25	UJ
IAAP135708	IAAP135711	691942.51	92624.81	04/13/11	3	4					0.13	0.25	UJ
IAAP135708	IAAP135712	691942.51	92624.81	04/13/11	4	5					0.13	0.25	UJ
IAAP135708	IAAP135713	691942.51	92624.81	04/13/11	5	6					0.13	0.25	UJ
IAAP135714	IAAP135714	691941.17	92628.8	04/13/11	0	1					0.13	0.25	UJ
IAAP135714	IAAP135715	691941.17	92628.8	04/13/11	1	2					0.13	0.25	UJ
IAAP135714	IAAP135716	691941.17	92628.8	04/13/11	2	3					0.13	0.25	UJ
IAAP135714	IAAP135717	691941.17	92628.8	04/13/11	3	4					0.13	0.25	UJ
IAAP135714	IAAP135718	691941.17	92628.8	04/13/11	4	5					0.13	0.25	UJ
IAAP135714	IAAP135719	691941.17	92628.8	04/13/11	5	6					0.13	0.25	UJ
IAAP135720	IAAP135720	691939.44	92633.99	04/13/11	0	1					0.13	0.25	UJ
IAAP135720	IAAP135721	691939.44	92633.99	04/13/11	1	2					0.13	0.25	U
IAAP135720	IAAP135722	691939.44	92633.99	04/13/11	2	3					0.13	0.25	U
IAAP135720	IAAP135723	691939.44	92633.99	04/13/11	3	4					0.13	0.25	U
IAAP135720	IAAP135724	691939.44	92633.99	04/13/11	4	5					0.13	0.25	U
IAAP135720	IAAP135725	691939.44	92633.99	04/13/11	5	6					0.13	0.25	U
IAAP135726	IAAP135726	691938.97	92635.4	04/13/11	0	1					0.13	0.25	U
IAAP135726	IAAP135727	691938.97	92635.4	04/13/11	1	2					0.13	0.25	U
IAAP135726	IAAP135728	691938.97	92635.4	04/13/11	2	3					0.13	0.25	U
IAAP135726	IAAP135729	691938.97	92635.4	04/13/11	3	4					0.13	0.25	U
IAAP135726	IAAP135730	691938.97	92635.4	04/13/11	4	5					0.13	0.25	U
IAAP135726	IAAP135731	691938.97	92635.4	04/13/11	5	6					0.13	0.25	U
IAAP135732	IAAP135732	691935	92647.27	04/13/11	0	1					0.13	0.25	U
IAAP135732	IAAP135733	691935	92647.27	04/13/11	1	2					0.13	0.25	U

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	1,3-DNB		
											Result	DL	VQ
IAAP135732	IAAP135734	691935	92647.27	04/13/11	2	3					0.13	0.25	U
IAAP135732	IAAP135735	691935	92647.27	04/13/11	3	4					0.13	0.25	U
IAAP135732	IAAP135736	691935	92647.27	04/13/11	4	5					0.13	0.25	U
IAAP135732	IAAP135737	691935	92647.27	04/13/11	5	6					0.13	0.25	U
IAAP135738	IAAP135738	691931.22	92658.59	04/14/11	0	1					0.13	0.25	U
IAAP135738	IAAP135739	691931.22	92658.59	04/14/11	1	2					0.13	0.25	U
IAAP135738	IAAP135740	691931.22	92658.59	04/14/11	2	3					0.13	0.25	U
IAAP135738	IAAP135741	691931.22	92658.59	04/14/11	3	4					0.13	0.25	U
IAAP135738	IAAP135742	691931.22	92658.59	04/14/11	4	5					0.13	0.25	U
IAAP135738	IAAP135743	691931.22	92658.59	04/14/11	5	6					0.13	0.25	U
IAAP135744	IAAP135744	691926.8	92671.89	04/14/11	0	1					0.13	0.25	U
IAAP135744	IAAP135745	691926.8	92671.89	04/14/11	1	2					0.13	0.25	U
IAAP135744	IAAP135746	691926.8	92671.89	04/14/11	2	3					0.13	0.25	U
IAAP135744	IAAP135747	691926.8	92671.89	04/14/11	3	4					0.13	0.25	U
IAAP135744	IAAP135748	691926.8	92671.89	04/14/11	4	5					0.13	0.25	U
IAAP135744	IAAP135749	691926.8	92671.89	04/14/11	5	6					0.13	0.25	U
IAAP135750	IAAP135750	691925.92	92674.48	04/14/11	0	1					0.13	0.25	U
IAAP135750	IAAP135751	691925.92	92674.48	04/14/11	1	2					0.13	0.25	U
IAAP135750	IAAP135752	691925.92	92674.48	04/14/11	2	3					0.13	0.25	U
IAAP135750	IAAP135753	691925.92	92674.48	04/14/11	3	4					0.13	0.25	U
IAAP135750	IAAP135754	691925.92	92674.48	04/14/11	4	5					0.13	0.25	U
IAAP135750	IAAP135755	691925.92	92674.48	04/14/11	5	6					0.13	0.25	U
IAAP135756	IAAP135756	691923.6	92681.41	04/14/11	0	1					0.13	0.25	U
IAAP135756	IAAP135757	691923.6	92681.41	04/14/11	1	2					0.13	0.25	U
IAAP135756	IAAP135758	691923.6	92681.41	04/14/11	2	3					0.13	0.25	U
IAAP135756	IAAP135759	691923.6	92681.41	04/14/11	3	4					0.13	0.25	U
IAAP135756	IAAP135760	691923.6	92681.41	04/14/11	4	5					0.13	0.25	U
IAAP135756	IAAP135761	691923.6	92681.41	04/14/11	5	6					0.13	0.25	U
IAAP135762	IAAP135762	691918.6	92696.36	04/14/11	0	1					0.13	0.25	U
IAAP135762	IAAP135763	691918.6	92696.36	04/14/11	1	2					0.13	0.25	U
IAAP135762	IAAP135764	691918.6	92696.36	04/14/11	2	3					0.13	0.25	U
IAAP135762	IAAP135765	691918.6	92696.36	04/14/11	3	4					0.13	0.25	U
IAAP135762	IAAP135766	691918.6	92696.36	04/14/11	4	5					0.13	0.25	U
IAAP135762	IAAP135767	691918.6	92696.36	04/14/11	5	6					0.13	0.25	U
IAAP135768	IAAP135768	691912.95	92713.28	04/14/11	0	1					0.13	0.25	U
IAAP135768	IAAP135769	691912.95	92713.28	04/14/11	1	2					0.13	0.25	U
IAAP135768	IAAP135770	691912.95	92713.28	04/14/11	2	3					0.13	0.25	U
IAAP135768	IAAP135771	691912.95	92713.28	04/14/11	3	4					0.13	0.25	U
IAAP135768	IAAP135772	691912.95	92713.28	04/14/11	4	5					0.13	0.25	U
IAAP135768	IAAP135773	691912.95	92713.28	04/14/11	5	6					0.13	0.25	U

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	1,3-DNB		
											Result	DL	VQ
IAAP135774	IAAP135774	691910.4	92720.78	04/14/11	0	1					0.13	0.25	U
IAAP135774	IAAP135775	691910.4	92720.78	04/14/11	1	2					0.13	0.25	U
IAAP135774	IAAP135776	691910.4	92720.78	04/14/11	2	3					0.13	0.25	U
IAAP135774	IAAP135777	691910.4	92720.78	04/14/11	3	4					0.13	0.25	U
IAAP135774	IAAP135778	691910.4	92720.78	04/14/11	4	5					0.13	0.25	U
IAAP135774	IAAP135779	691910.4	92720.78	04/14/11	5	6					0.13	0.25	U
IAAP135780	IAAP135780	691914.76	92728.82	04/14/11	0	1					0.13	0.25	U
IAAP135780	IAAP135781	691914.76	92728.82	04/14/11	1	2					0.13	0.25	U
IAAP135780	IAAP135782	691914.76	92728.82	04/14/11	2	3					0.13	0.25	U
IAAP135780	IAAP135783	691914.76	92728.82	04/14/11	3	4					0.13	0.25	U
IAAP135780	IAAP135784	691914.76	92728.82	04/14/11	4	5					0.13	0.25	U
IAAP135780	IAAP135785	691914.76	92728.82	04/14/11	5	6					0.13	0.25	U
IAAP135786	IAAP135786	691924.4	92732.09	04/14/11	0	1					0.13	0.25	U
IAAP135786	IAAP135787	691924.4	92732.09	04/14/11	1	2					0.13	0.25	U
IAAP135786	IAAP135788	691924.4	92732.09	04/14/11	2	3					0.13	0.25	U
IAAP135786	IAAP135789	691924.4	92732.09	04/14/11	3	4					0.13	0.25	U
IAAP135786	IAAP135790	691924.4	92732.09	04/14/11	4	5					0.13	0.25	U
IAAP135630	IAAP135798	691983.2	92499.09	04/12/11	3.5	4					0.13	0.25	U
IAAP135774	IAAP135801	691910.4	92720.78	04/14/11	8.5	8.9					0.13	0.25	U
IAAP136603	IAAP136603	691990.48	93027.37	05/04/11	0	1					0.13	0.25	U
IAAP136603	IAAP136604	691990.48	93027.37	05/04/11	1	2					0.13	0.25	U
IAAP136603	IAAP136607	691990.48	93027.37	05/04/11	4	5					0.13	0.25	U
IAAP136603	IAAP136608	691990.48	93027.37	05/04/11	5	6					0.13	0.25	U
IAAP136615	IAAP136615	692002.23	92440.11	05/04/11	0	1					0.13	0.25	U
IAAP136615	IAAP136616	692002.23	92440.11	05/04/11	1	2					0.13	0.25	U
IAAP136615	IAAP136617	692002.23	92440.11	05/04/11	2	3					0.13	0.25	U
IAAP136615	IAAP136618	692002.23	92440.11	05/04/11	3	4					0.13	0.25	U
IAAP136615	IAAP136619	692002.23	92440.11	05/04/11	4	5					0.13	0.25	U
IAAP136615	IAAP136620	692002.23	92440.11	05/04/11	5	6					0.13	0.25	U
IAAP136621	IAAP136621	692000.16	92433.35	05/03/11	0	1					0.13	0.25	U
IAAP136621	IAAP136622	692000.16	92433.35	05/03/11	1	2					0.13	0.25	U
IAAP136621	IAAP136623	692000.16	92433.35	05/03/11	2	3					0.13	0.25	U
IAAP136621	IAAP136626	692000.16	92433.35	05/03/11	5	6					0.13	0.25	U
IAAP136627	IAAP136627	691984.57	92430.72	05/04/11	0	1					0.13	0.25	U
IAAP136627	IAAP136628	691984.57	92430.72	05/04/11	1	2					0.13	0.25	U
IAAP136627	IAAP136629	691984.57	92430.72	05/04/11	2	3					0.13	0.25	U
IAAP136627	IAAP136630	691984.57	92430.72	05/04/11	3	4					0.13	0.25	U
IAAP136627	IAAP136631	691984.57	92430.72	05/04/11	4	5					0.13	0.25	U
IAAP136627	IAAP136632	691984.57	92430.72	05/04/11	5	6					0.13	0.25	U
IAAP136633	IAAP136633	692028.24	92370.53	05/04/11	0	1					0.13	0.25	U

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	1,3-DNB		
											Result	DL	VQ
IAAP136633	IAAP136634	692028.24	92370.53	05/04/11	1	2					0.13	0.25	U
IAAP136633	IAAP136635	692028.24	92370.53	05/04/11	2	3					0.13	0.25	U
IAAP136633	IAAP136636	692028.24	92370.53	05/04/11	3	4					0.13	0.25	U
IAAP136633	IAAP136637	692028.24	92370.53	05/04/11	4	5					0.13	0.25	U
IAAP136633	IAAP136638	692028.24	92370.53	05/04/11	5	6					0.13	0.25	U
IAAP136639	IAAP136639	692028.32	92354.72	05/04/11	0	1					0.13	0.25	U
IAAP136639	IAAP136640	692028.32	92354.72	05/04/11	1	2					0.13	0.25	U
IAAP136639	IAAP136641	692028.32	92354.72	05/04/11	2	3					0.13	0.25	U
IAAP136639	IAAP136642	692028.32	92354.72	05/04/11	3	4					0.13	0.25	U
IAAP136639	IAAP136643	692028.32	92354.72	05/04/11	4	5					0.13	0.25	U
IAAP136639	IAAP136644	692028.32	92354.72	05/04/11	5	6					0.13	0.25	U
IAAP136654	IAAP136654	691990.21	92473.36	05/02/11	5	6					0.13	0.25	U
IAAP136656	IAAP136656	691972.56	92463.97	05/03/11	5	6					0.13	0.25	U
IAAP136658	IAAP136658	692002.51	92428.93	05/04/11	0	1					0.13	0.25	U
IAAP136663	IAAP136663	692014.03	92365.71	05/03/11	5	6					0.13	0.25	U
IAAP136664	IAAP136664	692018.77	92367.32	05/04/11	0	1					0.13	0.25	U
IAAP136664	IAAP136665	692018.77	92367.32	05/04/11	1	2					0.13	0.25	U
IAAP136664	IAAP136666	692018.77	92367.32	05/04/11	2	3					0.13	0.25	U
IAAP136664	IAAP136667	692018.77	92367.32	05/04/11	3	4					0.13	0.25	U
IAAP136664	IAAP136668	692018.77	92367.32	05/04/11	4	5					0.13	0.25	U
IAAP136664	IAAP136669	692018.77	92367.32	05/04/11	5	6					0.13	0.25	U
IAAP136670	IAAP136670	692034.54	92374.38	05/03/11	0	1					0.13	0.25	U
IAAP136670	IAAP136671	692034.54	92374.38	05/03/11	1	2					0.13	0.25	U
IAAP136670	IAAP136672	692034.54	92374.38	05/03/11	2	3					0.13	0.25	U
IAAP136670	IAAP136673	692034.54	92374.38	05/03/11	3	4					0.13	0.25	U
IAAP136670	IAAP136674	692034.54	92374.38	05/03/11	4	5					0.13	0.25	U
IAAP136670	IAAP136675	692034.54	92374.38	05/03/11	5	6					0.13	0.25	U
IAAP136676	IAAP136676	691938	92733.88	05/16/11	0	1					0.13	0.25	U
IAAP136677	IAAP136677	691930.96	92723.63	05/16/11	0	1					0.13	0.25	U
IAAP136678	IAAP136678	691973.09	92556.21	05/18/11	5	6					0.13	0.25	U
IAAP136679	IAAP136679	691958.86	92551.46	05/17/11	0	1					0.13	0.25	U
IAAP136681	IAAP136681	691961.63	92544.56	05/17/11	2	3					0.13	0.25	U
IAAP136682	IAAP136682	691989.82	92522.98	05/17/11	0.5	1.5					0.13	0.25	U
IAAP136683	IAAP136683	691981.92	92515.07	05/18/11	0	1					0.13	0.25	U
IAAP136683	IAAP136684	691981.92	92515.07	05/18/11	4	5					0.13	0.25	U
IAAP136685	IAAP136685	691970.85	92516.65	05/17/11	0	1					0.13	0.25	U
IAAP136686	IAAP136686	691983.5	92510.33	05/17/11	0	1					0.13	0.25	U
IAAP136686	IAAP136687	691983.5	92510.33	05/17/11	1	2					0.13	0.25	U
IAAP136686	IAAP136688	691983.5	92510.33	05/17/11	2	3					0.13	0.25	U
IAAP136686	IAAP136689	691983.5	92510.33	05/17/11	3	4					0.13	0.25	U

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	1,3-DNB		
											Result	DL	VQ
IAAP136686	IAAP136690	691983.5	92510.33	05/17/11	4	5					0.13	0.25	U
IAAP136686	IAAP136691	691983.5	92510.33	05/17/11	5	6					0.13	0.25	U
IAAP136775	IAAP136775	691933.21	92732.44	05/18/11	0	1					0.13	0.25	U
IAAP136775	IAAP136776	691933.21	92732.44	05/18/11	1	2					0.13	0.25	U
IAAP136775	IAAP136777	691933.21	92732.44	05/18/11	2	3					0.13	0.25	U
IAAP136775	IAAP136778	691933.21	92732.44	05/18/11	3	4					0.13	0.25	U
IAAP136775	IAAP136779	691933.21	92732.44	05/18/11	4	5					0.13	0.25	U
IAAP136775	IAAP136780	691933.21	92732.44	05/18/11	5	6					0.13	0.25	U
IAAP136781	IAAP136781	691929.35	92728.37	05/18/11	0	1					0.13	0.25	U
IAAP136781	IAAP136782	691929.35	92728.37	05/18/11	1	2					0.13	0.25	U
IAAP136781	IAAP136783	691929.35	92728.37	05/18/11	2	3					0.13	0.25	U
IAAP136781	IAAP136784	691929.35	92728.37	05/18/11	3	4					0.13	0.25	U
IAAP136781	IAAP136785	691929.35	92728.37	05/18/11	4	5					0.13	0.25	U
IAAP136781	IAAP136786	691929.35	92728.37	05/18/11	5	6					0.13	0.25	U
IAAP136787	IAAP136787	691976.83	92560.81	05/17/11	0	1					0.13	0.25	U
IAAP136787	IAAP136788	691976.83	92560.81	05/17/11	1	2					0.13	0.25	U
IAAP136787	IAAP136789	691976.83	92560.81	05/17/11	2	3					0.13	0.25	U
IAAP136787	IAAP136790	691976.83	92560.81	05/17/11	3	4					0.13	0.25	U
IAAP136787	IAAP136791	691976.83	92560.81	05/17/11	4	5					0.13	0.25	U
IAAP136787	IAAP136792	691976.83	92560.81	05/17/11	5	6					0.13	0.25	U
IAAP136793	IAAP136793	691963.6	92553.05	05/18/11	0	1					0.13	0.25	U
IAAP136793	IAAP136794	691963.6	92553.05	05/18/11	1	2					0.13	0.25	U
IAAP136793	IAAP136795	691963.6	92553.05	05/18/11	2	3					0.13	0.25	U
IAAP136793	IAAP136796	691963.6	92553.05	05/18/11	3	4					0.13	0.25	U
IAAP136793	IAAP136797	691963.6	92553.05	05/18/11	4	5					0.13	0.25	U
IAAP136793	IAAP136798	691963.6	92553.05	05/18/11	5	6					0.13	0.25	U
IAAP136799	IAAP136799	691985.08	92553.02	05/17/11	0	1					0.13	0.25	U
IAAP136799	IAAP136800	691985.08	92553.02	05/17/11	1	2					0.13	0.25	U
IAAP136799	IAAP136801	691985.08	92553.02	05/17/11	2	3					0.13	0.25	U
IAAP136799	IAAP136802	691985.08	92553.02	05/17/11	3	4					0.13	0.25	U
IAAP136799	IAAP136803	691985.08	92553.02	05/17/11	4	5					0.13	0.25	U
IAAP136799	IAAP136804	691985.08	92553.02	05/17/11	5	6					0.13	0.25	U
IAAP136805	IAAP136805	691974.27	92538.23	05/17/11	0	1					0.13	0.25	U
IAAP136805	IAAP136806	691974.27	92538.23	05/17/11	1	2					0.13	0.25	U
IAAP136805	IAAP136807	691974.27	92538.23	05/17/11	2	3					0.13	0.25	U
IAAP136805	IAAP136808	691974.27	92538.23	05/17/11	3	4					0.13	0.25	U
IAAP136805	IAAP136809	691974.27	92538.23	05/17/11	4	5					0.13	0.25	U
IAAP136805	IAAP136810	691974.27	92538.23	05/17/11	5	6					0.13	0.25	U
IAAP136811	IAAP136811	691970.78	92548.09	05/17/11	0	1					0.13	0.25	U
IAAP136811	IAAP136812	691970.78	92548.09	05/17/11	1	2					0.13	0.25	U

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	1,3-DNB		
											Result	DL	VQ
IAAP136811	IAAP136813	691970.78	92548.09	05/17/11	2	3					0.13	0.25	U
IAAP136811	IAAP136814	691970.78	92548.09	05/17/11	3	4					0.13	0.25	U
IAAP136811	IAAP136815	691970.78	92548.09	05/17/11	4	5					0.13	0.25	U
IAAP136811	IAAP136816	691970.78	92548.09	05/17/11	5	6					0.13	0.25	U
IAAP136817	IAAP136817	691966.07	92544.14	05/17/11	0	1					0.13	0.25	U
IAAP136817	IAAP136818	691966.07	92544.14	05/17/11	1	2					0.13	0.25	U
IAAP136817	IAAP136819	691966.07	92544.14	05/17/11	2	3					0.13	0.25	U
IAAP136817	IAAP136820	691966.07	92544.14	05/17/11	3	4					0.13	0.25	U
IAAP136817	IAAP136821	691966.07	92544.14	05/17/11	4	5					0.13	0.25	U
IAAP136817	IAAP136822	691966.07	92544.14	05/17/11	5	6					0.13	0.25	U
IAAP136823	IAAP136823	691994.57	92524.56	05/18/11	1	2					0.13	0.25	U
IAAP136823	IAAP136824	691994.57	92524.56	05/18/11	2	3					0.13	0.25	U
IAAP136823	IAAP136825	691994.57	92524.56	05/18/11	3	4					0.13	0.25	U
IAAP136823	IAAP136826	691994.57	92524.56	05/18/11	4	5					0.13	0.25	U
IAAP136823	IAAP136827	691994.57	92524.56	05/18/11	5	6					0.13	0.25	U
IAAP136823	IAAP136828	691994.57	92524.56	05/18/11	6	7					0.13	0.25	U
IAAP137255	IAAP137255	691975.59	92518.24	05/18/11	0	1					0.13	0.25	U
IAAP137255	IAAP137256	691975.59	92518.24	05/18/11	1	2					0.13	0.25	U
IAAP137255	IAAP137257	691975.59	92518.24	05/18/11	2	3					0.13	0.25	U
IAAP137255	IAAP137258	691975.59	92518.24	05/18/11	3	4					0.13	0.25	U
IAAP137255	IAAP137259	691975.59	92518.24	05/18/11	4	5					0.13	0.25	U
IAAP137255	IAAP137260	691975.59	92518.24	05/18/11	5	6					0.13	0.25	U
IAAP96925	IAAP96925	692027	92844.46	10/26/06	0	0.5					0.00		
IAAP96926	IAAP96926	692014.91	92844.8	10/26/06	0	0.5					0.00		
IAAP96928	IAAP96928	691998.35	92979.48	10/26/06	0	0.5					0.00		
IAAP96929	IAAP96929	691966.49	92969.51	10/26/06	0	0.5					0.00		
IAAP96934	IAAP96934	COMPOSITE	COMPOSITE	11/15/06	0	0.5					0.00		
IAAP96935	IAAP96935	691894.02	93328.08	11/15/06	0	0.5					0.00		
IAAP96936	IAAP96936	COMPOSITE	COMPOSITE	11/15/06	0	0.5					0.00		
IAAP96937	IAAP96937	COMPOSITE	COMPOSITE	11/13/06	0	0.5					0.00		
IAAP96938	IAAP96938	691840.29	93270.4	11/13/06	0	0.5					0.00		
IAAP96939	IAAP96939	691831.83	93298.23	11/13/06	0	0.5					0.00		
IAAP96940	IAAP96940	691832.3	93342.32	11/13/06	0	0.5					0.00		
IAAP96941	IAAP96941	691814.66	93317.23	11/13/06	0	0.5					0.00		
IAAP96942	IAAP96942	691838.97	93244.84	11/13/06	0	0.5					0.00		
IAAP96949	IAAP96949	692113.04	93092.9	11/15/06	0	0.5					0.00		
IAAP96950	IAAP96950	COMPOSITE	COMPOSITE	11/15/06	0	0.5					0.00		
IAAP96951	IAAP96951	COMPOSITE	COMPOSITE	11/15/06	0	0.5					0.00		
IAAP96952	IAAP96952	692127.71	93042.61	11/15/06	0	0.5					0.00		
IAAP96953	IAAP96953	692116.38	93011.84	11/15/06	0	0.5					0.00		

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	1,3-DNB		
											Result	DL	VQ
IAAP96954	IAAP96954	692116.26	92981.47	11/15/06	0	0.5					0.00		
IAAP96955	IAAP96955	692175.68	92981.55	11/15/06	0	0.5					0.00		
IAAP96956	IAAP96956	COMPOSITE	COMPOSITE	11/15/06	0	0.5					0.00		
IAAP96957	IAAP96957	692056.98	93146.93	11/15/06	0	0.5					0.00		
IAAP96958	IAAP96958	692074.54	93130.61	11/15/06	0	0.5					0.00		
IAAP96959	IAAP96959	COMPOSITE	COMPOSITE	11/14/06	0	0.5					0.00		
IAAP96960	IAAP96960	692088.53	93112.41	11/15/06	0	0.5					0.00		
IAAP96961	IAAP96961	COMPOSITE	COMPOSITE	11/13/06	0	0.5					0.00		
IAAP96962	IAAP96962	COMPOSITE	COMPOSITE	11/13/06	0	0.5					0.00		
IAAP96963	IAAP96963	COMPOSITE	COMPOSITE	11/13/06	0	0.5					0.00		
IAAP96964	IAAP96964	691985.83	93063.1	11/13/06	0	0.5					0.00		
IAAP96965	IAAP96965	691993.8	93029.94	11/13/06	0	0.5					0.00		
IAAP96966	IAAP96966	691954.93	93007.81	11/13/06	0	0.5					0.00		
IAAP96967	IAAP96967	691937	93039	11/13/06	0	0.5					0.00		
IAAP96968	IAAP96968	691938.96	93067.14	11/13/06	0	0.5					0.00		
IAAP96969	IAAP96969	691938.96	93067.14	11/13/06	1	2					0.00		
IAAP96970	IAAP96970	691909.48	93056.65	11/13/06	0	0.5					0.00		
IAAP96976	IAAP96976	COMPOSITE	COMPOSITE	11/14/06	0	0.5					0.00		
IAAP96977	IAAP96977	COMPOSITE	COMPOSITE	11/14/06	0	0.5					0.00		
IAAP96979	IAAP96979	691795.01	93119.57	11/14/06	0	0.5					0.00		
IAAP96980	IAAP96980	691808.87	93106.84	11/14/06	0	0.5					0.00		
IAAP96988	IAAP96988	691954.34	92114.71	11/14/06	0	0.5					0.00		
IAAP96989	IAAP96989	691876.63	92299.46	11/14/06	0	0.5					0.00		
IAAP96992	IAAP96992	COMPOSITE	COMPOSITE	11/14/06	0	0.5					0.00		
IAAP96994	IAAP96994	691857.33	92413.74	11/14/06	0	0.5					0.00		
IAAP96995	IAAP96995	691870.98	92410.67	11/14/06	0	0.5					0.00		
IAAP96996	IAAP96996	COMPOSITE	COMPOSITE	11/14/06	0	0.5					0.00		
IAAP96997	IAAP96997	691844.39	92407.27	11/14/06	0	0.5					0.00		
IAAP96998	IAAP96998	691728	93303	11/14/06	0	0.5					0.00		
IAAP97000	IAAP97000	691786.4	93115.72	11/14/06	0	0.5					0.00		
IAAP97001	IAAP97001	691872	93010	12/18/06	0	0.5					0.00		
IAAP97002	IAAP97002	691884	93003	12/18/06	0	0.5					0.00		
IAAP97003	IAAP97003	691888	92995	12/18/06	0	0.5					0.00		
IAAP97004	IAAP97004	691895	92793	12/19/06	0	0.5					0.00		
IAAP97005	IAAP97005	691902	92791	12/19/06	0	0.5					0.00		
IAAP97006	IAAP97006	691908	92794	12/19/06	0	0.5					0.00		
IAAP97007	IAAP97007	691925	92795	12/19/06	0	0.5					0.00		
IAAP97008	IAAP97008	691894	92818	12/19/06	0	0.5					0.00		
IAAP97009	IAAP97009	691903	92823	12/19/06	0	0.5					0.00		
IAAP97010	IAAP97010	691891	92892	12/19/06	0	0.5					0.00		

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	1,3-DNB		
											Result	DL	VQ
IAAP97011	IAAP97011	691900	92879	12/19/06	0	0.5					0.00		
IAAP97012	IAAP97012	691889	92913	12/19/06	0	0.5					0.00		
IAAP97013	IAAP97013	691813	92905	12/18/06	0	0.5					0.00		
IAAP97014	IAAP97014	691785	92886	12/18/06	0	0.5					0.00		
IAAP97015	IAAP97015	691688	92824	12/18/06	0	0.5					0.00		
IAAP97016	IAAP97016	691683	92887	12/18/06	0	0.5					0.00		
IAAP97017	IAAP97017	691680	92894	12/18/06	0	0.5					0.00		
IAAP97018	IAAP97018	691694	92881	12/18/06	0	0.5					0.00		
IAAP97020	IAAP97020	691695	92744	12/18/06	0	0.5					0.00		
IAAP97021	IAAP97021	691719	92718	12/18/06	0	0.5					0.00		
IAAP97022	IAAP97022	691753	92650	12/18/06	0	0.5					0.00		
IAAP97023	IAAP97023	691750	92660	12/18/06	0	0.5					0.00		
IAAP97024	IAAP97024	691745	92709	12/18/06	0	0.5					0.00		
IAAP97025	IAAP97025	691718	92783	12/18/06	0	0.5					0.00		
IAAP97026	IAAP97026	691811	92938	12/18/06	0	0.5					0.00		
IAAP97027	IAAP97027	691942	92676	12/19/06	0	0.5					0.00		
IAAP97029	IAAP97029	691930	92683	12/19/06	0	0.5					0.00		
IAAP97036	IAAP97036	692052.2	92417.45	12/19/06	0	0.5					0.00		
IAAP97037	IAAP97037	692060	92421.6	12/19/06	0	0.5					0.00		
IAAP97038	IAAP97038	692004	92424	12/19/06	0	0.5					0.00		
IAAP97039	IAAP97039	692142.8	92156	12/19/06	0	0.5					0.00		
IAAP97040	IAAP97040	692146	92149	12/19/06	0	0.5					0.00		
IAAP97041	IAAP97041	692132.3	92131.1	12/19/06	0	0.5					0.00		
IAAP97045	IAAP97045	692065	92323	12/19/06	0	0.5					0.00		
IAAP97046	IAAP97046	692051	92339	12/19/06	0	0.5					0.00		
IAAP97048	IAAP97048	692140.2	92094.9	12/19/06	0	0.5					0.00		
IAAP97049	IAAP97049	691998	92245	12/19/06	0	0.5					0.00		
IAAP98247	IAAP98247	691977	92312	12/19/06	0	0.5					0.00		
IAAP98250	IAAP98250	691732	92354	12/20/06	0	0.5					0.00		
IAAP98251	IAAP98251	691761	92310	12/20/06	0	0.5					0.00		
IAAP98253	IAAP98253	691755	92246	12/20/06	0	0.5					0.00		
IAAP98254	IAAP98254	691702	92289	12/20/06	0	0.5					0.00		
IAAP98260	IAAP98260	691719	92537	12/18/06	0	0.5					0.00		
IAAP98261	IAAP98261	691626	92692	12/18/06	0	0.5					0.00		
IAAP98262	IAAP98262	691633	92751	12/18/06	0	0.5					0.00		
IAAP98263	IAAP98263	691582	92869	12/18/06	0	0.5					0.00		
IAAP98264	IAAP98264	691518	93097	12/18/06	0	0.5					0.00		
IAAP98266	IAAP98266	691878	92578	12/18/06	0	0.5					0.00		
IAAP98273	IAAP98273	692131	92072.7	12/19/06	0	0.5					0.00		
IAAP99934	IAAP99934	692030.09	92396.58	04/16/07	0	1					0.00		

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	1,3-DNB		
											Result	DL	VQ
IAAP99934	IAAP99935	692030.09	92396.58	04/16/07	1	2					0.00		
IAAP99936	IAAP99936	692027.39	92394.07	04/16/07	0	1					0.00		
IAAP99936	IAAP99937	692027.39	92394.07	04/16/07	1	2					0.00		
IAAP99938	IAAP99938	691747.48	92260.65	04/15/07	0	0.5					0.00		
IAAP99939	IAAP99939	691743.59	92262.02	04/15/07	0	0.5					0.00		
IAAP99940	IAAP99940	691708.65	92265.87	04/15/07	0	0.5					0.00		
IAAP99941	IAAP99941	691700.52	92270.71	04/15/07	0	0.5					0.00		
IAAP99942	IAAP99942	692058.69	92404.33	04/16/07	0	0.5					0.00		
IAAP99959	IAAP99959	692014.14	92937.77	06/05/07	3	4					0.00		
IAAP99960	IAAP99960	692001.22	92882.79	06/05/07	2	2.5					0.00		
IAAP100071	IAAP99962	691694.48	92747.08	06/05/07	2	3					0.00		
100101	L1101001	691685	93330		0.0	1.0					0.00		
100101	L1101002	691685	93330		1.0	2.0					0.125	0.25	U
100101	L1101003	691685	93330		2.0	4.0					0.125	0.25	U
100101	L1101004	691685	93330		4.0	6.0					0.125	0.25	U
100102	L1101005	691685	93369		0.0	1.0					0.000		
100102	L1101006	691685	93369		1.0	2.0					0.125	0.25	U
100102	L1101007	691685	93369		2.0	4.0					0.125	0.25	U
100102	L1101008	691685	93369		4.0	6.0					0.125	0.25	U
100103	L1101009	691723	93308		0.0	1.0					0.000		
100103	L1101010	691723	93308		1.0	2.0					0.125	0.25	U
100103	L1101011	691723	93308		2.0	4.0					0.125	0.25	U
100103	L1101012	691723	93308		4.0	6.0					0.125	0.25	U
100201	L1102001	691824	93116		1.0	2.0					0.000		
100201	L1102002	691824	93116		2.0	4.0					0.000		
100202	L1102003	691834	93110		1.0	2.0					0.000		
100202	L1102004	691834	93110		2.0	4.0					0.000		
100203	L1102005	691839	93129		1.0	2.0					0.000		
100203	L1102006	691839	93129		2.0	4.0					0.000		
100204	L1102007	691851	93109		1.0	2.0					0.000		
100204	L1102008	691851	93109		2.0	4.0					0.000		
100205	L1102009	691838	93090		1.0	2.0					0.000		
100205	L1102010	691838	93090		2.0	4.0					0.000		
100205	L1102011	691838	93090		2.0	4.0					0.000		
100206	L1102012	691842	93123		1.0	2.0					0.000		
100206	L1102013	691842	93123		2.0	4.0					0.000		
100302	L1103005	691754	93117		0.0	1.0					0.000		
100302	L1103006	691754	93117		1.0	2.0					0.125	0.25	U
100302	L1103007	691754	93117		2.0	4.0					0.125	0.25	U
100302	L1103008	691754	93117		4.0	6.0					0.125	0.25	U

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	1,3-DNB		
											Result	DL	VQ
100303	L1103009	691803	93111		0.0	1.0					0.000		
100303	L1103010	691803	93111		1.0	2.0					0.125	0.25	U
100303	L1103011	691803	93111		2.0	4.0					0.125	0.25	U
100303	L1103012	691803	93111		4.0	6.0					0.125	0.25	U
100304	L1103013	691776	93096		0.0	1.0					0.000		
100304	L1103014	691776	93096		1.0	2.0					0.125	0.25	U
100304	L1103015	691776	93096		2.0	4.0					0.125	0.25	U
100304	L1103016	691776	93096		2.0	4.0					0.125	0.25	U
100304	L1103017	691776	93096		4.0	6.0					0.125	0.25	U
100305	L1103018	692112	92187		0.0	1.0					0.000		
100305	L1103019	692112	92187		1.0	2.0					0.125	0.25	U
100305	L1103020	692112	92187		2.0	4.0					0.125	0.25	U
100305	L1103021	692112	92187		4.0	6.0					0.125	0.25	U
100401	L1104001	691772	93135		0.0	1.0					0.000		
100401	L1104002	691772	93135		1.0	2.0					0.125	0.25	U
100401	L1104003	691772	93135		2.0	4.0					0.125	0.25	U
100401	L1104004	691772	93135		4.0	6.0					0.125	0.25	U
100402	L1104005	691742	93216		0.0	1.0					0.000		
100402	L1104006	691742	93216		1.0	2.0					0.125	0.25	U
100402	L1104007	691742	93216		2.0	4.0					0.125	0.25	U
100402	L1104008	691742	93216		4.0	6.0					0.125	0.25	U
100403	L1104009	691792	93152		0.0	1.0					0.000		
100403	L1104010	691792	93152		1.0	2.0					0.125	0.25	U
100403	L1104011	691792	93152		2.0	4.0					0.125	0.25	U
100403	L1104012	691792	93152		4.0	6.0					0.125	0.25	U
100404	L1104013	691796	93140		0.0	1.0					0.000		
100404	L1104014	691796	93140		1.0	2.0					0.125	0.25	U
100404	L1104015	691796	93140		2.0	4.0					0.125	0.25	U
100404	L1104016	691796	93140		4.0	6.0					0.125	0.25	U
100501	L1105001	691921	92838		0.0	1.0					0.000		
100501	L1105002	691921	92838		1.0	2.0					0.125	0.25	U
100501	L1105003	691921	92838		2.0	4.0					0.125	0.25	U
100501	L1105004	691921	92838		4.0	6.0					0.125	0.25	U
100502	L1105005	691921	92844		0.0	1.0					0.000		
100502	L1105006	691921	92844		1.0	2.0					0.125	0.25	U
100502	L1105007	691921	92844		1.0	2.0					0.125	0.25	U
100502	L1105008	691921	92844		2.0	4.0					0.120	0.24	U
100502	L1105009	691921	92844		4.0	6.0					0.125	0.25	U
100503	L1105010	691915	92797		0.0	1.0					0.000		
100503	L1105011	691915	92797		1.0	2.0					0.125	0.25	U

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	1,3-DNB		
											Result	DL	VQ
100503	L1105012	691915	92797		2.0	4.0					0.125	0.25	U
100503	L1105013	691915	92797		4.0	6.0					0.125	0.25	U
100504	L1105014	691932	92802		0.0	1.0					0.000		
100504	L1105015	691932	92802		1.0	2.0					0.125	0.25	U
100504	L1105016	691932	92802		2.0	4.0					0.125	0.25	U
100504	L1105017	691932	92802		4.0	6.0					0.125	0.25	U
100505	L1105018	691911	92799		0.0	1.0					0.000		
100505	L1105019	691911	92799		1.0	2.0					0.125	0.25	U
100505	L1105020	691911	92799		2.0	4.0					0.125	0.25	U
100505	L1105021	691911	92799		4.0	6.0					0.125	0.25	U
100506	L1105022	691896	92792		1.0	2.0					0.125	0.25	U
100506	L1105023	691896	92792		2.0	4.0					0.125	0.25	U
100506	L1105024	691896	92792		4.0	6.0					0.125	0.25	U
100509	L1105035	691899	92831		0.0	1.0					0.000		
100509	L1105036	691899	92831		1.0	2.0					0.120	0.24	U
100509	L1105037	691899	92831		2.0	4.0					0.125	0.25	U
100509	L1105038	691899	92831		4.0	6.0					0.125	0.25	U
100510	L1105055	691886	92945		0.0	1.0					0.000		
100510	L1105056	691886	92945		1.0	2.0					0.120	0.24	U
100510	L1105057	691886	92945		2.0	4.0					0.125	0.25	U
100510	L1105058	691886	92945		4.0	6.0					0.125	0.25	U
100511	L1105059	691877	92995		1.0	2.0					0.125	0.25	U
100511	L1105060	691877	92995		2.0	4.0					0.125	0.25	U
100511	L1105061	691877	92995		2.0	4.0					0.125	0.25	U
100511	L1105062	691877	92995		4.0	6.0					0.125	0.25	U
100512	L1105063	691842	92972		1.0	2.0					0.125	0.25	U
100512	L1105064	691842	92972		2.0	4.0					0.125	0.25	U
100512	L1105065	691842	92972		4.0	6.0					0.125	0.25	U
100513	L1105066	691845	92995		1.0	2.0					0.125	0.25	U
100513	L1105067	691845	92995		2.0	4.0					0.125	0.25	U
100513	L1105068	691845	92995		2.0	4.0					0.125	0.25	U
100514	L1105069	691849	92986		1.0	2.0					0.125	0.25	U
100514	L1105070	691849	92986		2.0	4.0					0.125	0.25	U
100514	L1105071	691849	92986		4.0	5.0					0.125	0.25	U
100517	L1105079	691867	93001		0.0	1.0					0.000		
100517	L1105080	691867	93001		1.0	2.0					0.125	0.25	U
100517	L1105081	691867	93001		2.0	4.0					0.125	0.25	U
100517	L1105082	691867	93001		4.0	6.0					0.125	0.25	U
100519	L1105088	691864	92940		0.0	1.0					0.000		
100519	L1105089	691864	92940		1.0	2.0					0.125	0.25	U

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	1,3-DNB		
											Result	DL	VQ
100519	L1105090	691864	92940		2.0	4.0					0.125	0.25	U
100519	L1105091	691864	92940		4.0	6.0					0.125	0.25	U
100521	L1105096	691911	92849		0.0	1.0					0.000		
100521	L1105097	691911	92849		1.0	2.0					0.125	0.25	U
100521	L1105098	691911	92849		2.0	4.0					0.125	0.25	U
100521	L1105099	691911	92849		4.0	6.0					0.120	0.24	U
100601	L1106001	691750	92646		0.0	1.0					0.000		
100601	L1106002	691750	92646		1.0	2.0					0.125	0.25	U
100601	L1106003	691750	92646		2.0	4.0					0.125	0.25	U
100601	L1106004	691750	92646		2.0	4.0					0.125	0.25	U
100601	L1106005	691750	92646		4.0	6.0					0.125	0.25	U
100602	L1106006	691739	92639		0.0	1.0					0.000		
100602	L1106007	691739	92639		1.0	2.0					0.125	0.25	U
100602	L1106008	691739	92639		2.0	4.0					0.125	0.25	U
100602	L1106009	691739	92639		4.0	6.0					0.125	0.25	U
100603	L1106010	691621	93000		0.0	1.0					0.000		
100603	L1106011	691621	93000		1.0	2.0					0.120	0.24	U
100603	L1106012	691621	93000		2.0	4.0					0.125	0.25	U
100603	L1106013	691621	93000		4.0	6.0					0.125	0.25	U
100604	L1106014	691632	93007		0.0	1.0					0.000		
100604	L1106015	691632	93007		1.0	2.0					0.125	0.25	U
100604	L1106016	691632	93007		2.0	4.0					0.125	0.25	U
100604	L1106017	691632	93007		4.0	6.0					0.125	0.25	U
100701	L1107001	692002	92830		0.0	1.0					0.000		
100701	L1107002	692002	92830		1.0	2.0					0.125	0.25	U
100701	L1107003	692002	92830		2.0	4.0					0.125	0.25	U
100702	L1107005	692023	92845		0.0	1.0					0.000		
100702	L1107006	692023	92845		1.0	2.0					0.125	0.25	U
100702	L1107007	692023	92845		2.0	4.0					0.125	0.25	U
100702	L1107008	692023	92845		4.0	6.0					0.125	0.25	U
100703	L1107009	692034	92800		0.0	1.0					0.000		
100703	L1107010	692034	92800		1.0	2.0					0.125	0.25	U
100703	L1107011	692034	92800		2.0	4.0					0.125	0.25	U
100703	L1107012	692034	92800		4.0	6.0					0.125	0.25	U
100801	L1108001	691700	92779		0.0	1.0					0.000		
100801	L1108002	691700	92779		1.0	2.0					0.120	0.24	U
100801	L1108003	691700	92779		2.0	4.0					0.125	0.25	U
100801	L1108004	691700	92779		2.0	4.0					0.120	0.24	U
100801	L1108005	691700	92779		4.0	6.0					0.125	0.25	U
100802	L1108006	691723	92706		0.0	1.0					0.000		

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	1,3-DNB		
											Result	DL	VQ
100802	L1108006A	691723	92706		0.0	1.0					0.000		
100802	L1108007	691723	92706		1.0	2.0					0.125	0.25	U
100802	L1108007A	691723	92706		1.0	2.0					0.125	0.25	U
100802	L1108008	691723	92706		2.0	4.0					0.125	0.25	U
100802	L1108008A	691723	92706		2.0	4.0					0.125	0.25	U
100802	L1108009	691723	92706		4.0	6.0					0.125	0.25	U
100802	L1108009A	691723	92706		4.0	6.0					0.125	0.25	U
100803	L1108010	691715	92725		0.0	1.0					0.000		
100803	L1108011	691715	92725		1.0	2.0					0.125	0.25	U
100803	L1108012	691715	92725		2.0	4.0					0.125	0.25	U
100803	L1108013	691715	92725		4.0	6.0					0.125	0.25	U
100805	L1108018	691709	92730		0.0	1.0					0.000		
100805	L1108019	691709	92730		1.0	2.0					0.125	0.25	U
100805	L1108020	691709	92730		2.0	4.0					0.125	0.25	U
100805	L1108021	691709	92730		4.0	6.0					0.125	0.25	U
101001	L1110001	691959	92688		0.0	1.0					0.000		
101001	L1110002	691959	92688		1.0	2.0					0.125	0.25	U
101001	L1110003	691959	92688		2.0	4.0					0.125	0.25	U
101001	L1110004	691959	92688		4.0	6.0					0.125	0.25	U
101004	L1110016	691978	92653		0.0	1.0					0.000		
101004	L1110017	691978	92653		1.0	2.0					0.125	0.25	U
101004	L1110018	691978	92653		2.0	4.0					0.125	0.25	U
101004	L1110019	691978	92653		4.0	6.0					0.125	0.25	U
101005	L1110037	691993	92609		0.0	1.0					0.000		
101005	L1110038	691993	92609		1.0	2.0					0.125	0.25	U
101005	L1110039	691993	92609		2.0	4.0					0.125	0.25	U
101005	L1110040	691993	92609		4.0	6.0					0.125	0.25	U
101006	L1110025	691952	92623		0.0	1.0					0.000		
101006	L1110026	691952	92623		1.0	2.0					0.125	0.25	U
101006	L1110027	691952	92623		2.0	4.0					0.125	0.25	U
101006	L1110028	691952	92623		4.0	5.0					0.125	0.25	U
101007	L1110029	691971	92576		0.0	1.0					0.000		
101007	L1110030	691971	92576		1.0	2.0					0.125	0.25	U
101008	L1110033	691999	92585		0.0	1.0					0.000		
101008	L1110034	691999	92585		1.0	2.0					0.125	0.25	U
101008	L1110035	691999	92585		2.0	4.0					0.125	0.25	U
101008	L1110036	691999	92585		4.0	6.0					0.125	0.25	U
101009	L1110021	691999	92618		0.0	1.0					0.000		
101009	L1110022	691999	92618		1.0	2.0					0.125	0.25	U
101009	L1110023	691999	92618		2.0	4.0					0.125	0.25	U

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	1,3-DNB		
											Result	DL	VQ
101009	L1110024	691999	92618		4.0	6.0					0.125	0.25	U
101101	L1111001	691809	93287		0.0	1.0					0.000		
101101	L1111002	691809	93287		1.0	2.0					0.125	0.25	U
101101	L1111003	691809	93287		2.0	4.0					0.125	0.25	U
101101	L1111004	691809	93287		4.0	6.0					0.125	0.25	U
101102	L1111005	691832	93269		0.0	1.0					0.000		
101102	L1111006	691832	93269		2.0	4.0					0.000		
101103	L1111007	691812	93314		0.0	1.0					0.000		
101103	L1111008	691812	93314		1.0	2.0					0.125	0.25	U
101103	L1111009	691812	93314		2.0	4.0					0.125	0.25	U
101103	L1111010	691812	93314		4.0	6.0					0.125	0.25	U
101104	L1111011	691845	93331		0.0	1.0					0.000		
101104	L1111012	691845	93331		1.0	2.0					0.125	0.25	U
101104	L1111013	691845	93331		2.0	4.0					0.125	0.25	U
101104	L1111014	691845	93331		4.0	6.0					0.125	0.25	U
101105	L1111015	691894	93311		0.0	1.0					0.000		
101105	L1111016	691894	93311		1.0	2.0					0.125	0.25	U
101105	L1111017	691894	93311		2.0	4.0					0.125	0.25	U
101105	L1111018	691894	93311		4.0	6.0					0.125	0.25	U
101106	L1111019	691911	93281		0.0	1.0					0.000		
101106	L1111020	691911	93281		1.0	2.0					0.125	0.25	U
101106	L1111022	691911	93281		2.0	4.0					0.125	0.25	U
101106	L1111023	691911	93281		4.0	6.0					0.125	0.25	U
101107	L1111024	691838	93244		0.0	1.0					0.000		
101107	L1111025	691838	93244		1.0	2.0					0.125	0.25	U
101107	L1111026	691838	93244		2.0	4.0					0.125	0.25	U
101107	L1111027	691838	93244		4.0	6.0					0.125	0.25	U
101201	L1112001	692036	92381		1.0	2.0					0.125	0.25	U
101201	L1112001A	692036	92381		0.0	1.0					0.000		
101201	L1112002	692036	92381		1.0	2.0					0.125	0.25	U
101201	L1112003	692036	92381		2.0	4.0					0.125	0.25	U
101201	L1112004	692036	92381		4.0	6.0					0.125	0.25	U
101204	L1112011A	692080	92344		0.0	1.0					0.000		
101204	L1112012	692080	92344		2.0	4.0					0.125	0.25	U
101204	L1112013	692080	92344		4.0	6.0					0.125	0.25	U
101205	L1112014	692105	92261		1.0	2.0					0.125	0.25	U
101205	L1112014A	692105	92261		0.0	1.0					0.000		
101205	L1112015	692105	92261		2.0	4.0					0.125	0.25	U
101205	L1112016	692105	92261		4.0	6.0					0.125	0.25	U
101206	L1112017	692086	92238		1.0	2.0					0.125	0.25	U

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	1,3-DNB		
											Result	DL	VQ
101206	L1112017A	692086	92238		0.0	1.0					0.000		
101206	L1112018	692086	92238		2.0	4.0					0.125	0.25	U
101206	L1112019	692086	92238		4.0	6.0					0.125	0.25	U
101207	L1112020	692050	92340		1.0	2.0					0.125	0.25	U
101207	L1112020A	692050	92340		0.0	1.0					0.000		
101207	L1112021	692050	92340		2.0	4.0					0.125	0.25	U
101207	L1112022	692050	92340		4.0	6.0					0.125	0.25	U
101208	L1112023	692041	92462		0.0	1.0					0.000		
101208	L1112024	692041	92462		1.0	2.0					0.125	0.25	U
101208	L1112025	692041	92462		1.0	2.0					0.125	0.25	U
101208	L1112026	692041	92462		2.0	4.0					0.125	0.25	U
101208	L1112027	692041	92462		4.0	6.0					0.125	0.25	U
101209	L1112028	692063	92389		0.0	1.0					0.000		
101209	L1112029	692063	92389		1.0	2.0					0.125	0.25	U
101209	L1112030	692063	92389		2.0	4.0					0.125	0.25	U
101209	L1112031	692063	92389		4.0	6.0					0.125	0.25	U
101210	L1112033	692085	92323		1.0	2.0					0.125	0.25	U
101210	L1112034	692085	92323		2.0	4.0					0.125	0.25	U
101210	L1112036	692085	92323		4.0	6.0					0.125	0.25	U
101210	L111232	692085	92323		0.0	1.0					0.000		
101211	L1112037	692098	92292		0.0	1.0					0.000		
101211	L1112038	692098	92292		1.0	2.0					0.125	0.25	U
101211	L1112039	692098	92292		2.0	4.0					0.125	0.25	U
101211	L1112040	692098	92292		4.0	6.0					0.125	0.25	U
101212	L1112041	692076	92256		0.0	1.0					0.000		
101212	L1112042	692076	92256		1.0	2.0					0.125	0.25	U
101212	L1112043	692076	92256		2.0	4.0					0.125	0.25	U
101212	L1112044	692076	92256		4.0	6.0					0.125	0.25	U
101213	L1112045	692055	92294		0.0	1.0					0.000		
101213	L1112046	692055	92294		1.0	2.0					0.125	0.25	U
101213	L1112047	692055	92294		2.0	4.0					0.125	0.25	U
101213	L1112048	692055	92294		2.0	4.0					0.000		
101213	L1112049	692055	92294		4.0	6.0					0.125	0.25	U
101301	L1113001	691873	92319		0.0	1.0					0.000		
101301	L1113002	691873	92319		1.0	2.0					0.125	0.25	U
101301	L1113003	691873	92319		2.0	4.0					0.125	0.25	U
101301	L1113004	691873	92319		4.0	6.0					0.125	0.25	U
101302	L1113006	691868	92338		0.0	1.0					0.000		
101302	L1113007	691868	92338		1.0	2.0					0.125	0.25	U
101302	L1113008	691868	92338		2.0	4.0					0.125	0.25	U

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	1,3-DNB		
											Result	DL	VQ
101302	L1113009	691868	92338		4.0	6.0					0.125	0.25	U
101303	L1113010	691845	92407		0.0	1.0					0.000		
101303	L1113011	691845	92407		1.0	2.0					0.125	0.25	U
101303	L1113012	691845	92407		2.0	4.0					0.125	0.25	U
101303	L1113013	691845	92407		4.0	6.0					0.125	0.25	U
101304	L1113014	691870	92409		2.0	4.0					0.000		
101304	L1113015	691870	92409		1.0	2.0					0.125	0.25	U
101304	L1113016	691870	92409		2.0	4.0					0.125	0.25	U
101304	L1113017	691870	92409		4.0	6.0					0.125	0.25	U
101305	L1113018	691882	92387		0.0	1.0					0.000		
101305	L1113019	691882	92387		1.0	2.0					0.125	0.25	U
101305	L1113020	691882	92387		2.0	4.0					0.125	0.25	U
101305	L1113021	691882	92387		4.0	6.0					0.125	0.25	U
101306	L1113024	691889	94486		1.0	2.0					0.125	0.25	U
101307	L1113023	691900	92319		1.0	2.0					0.125	0.25	U
101307	L1113027	691900	92319		0.0	1.0					0.000		
101307	L1113028	691900	92319		1.0	2.0					0.125	0.25	U
101308	L11130035	691875	92309		4.0	6.0					0.125	0.25	U
101308	L1113031	691875	92309		0.0	1.0					0.000		
101308	L1113032	691875	92309		1.0	2.0					0.125	0.25	U
101308	L1113033	691875	92309		2.0	4.0					0.125	0.25	U
101308	L1113034	691875	92309		2.0	4.0					0.125	0.25	U
101309	L1113036	691881	92297		0.0	1.0					0.000		
101309	L1113037	691881	92297		1.0	2.0					0.125	0.25	U
101309	L1113038	691881	92297		2.0	4.0					0.125	0.25	U
101309	L1113039	691881	92297		4.0	6.0					0.125	0.25	U
101401	L1114001	691797	92489		0.0	1.0					0.000		
101401	L1114002	691797	92489		1.0	2.0					0.125	0.25	U
101401	L1114003	691797	92489		2.0	4.0					0.125	0.25	U
101401	L1114004	691797	92489		4.0	6.0					0.125	0.25	U
101402	L1114005	691814	92487		0.0	1.0					0.000		
101402	L1114006	691814	92487		1.0	2.0					0.125	0.25	U
101402	L1114007	691814	92487		2.0	4.0					0.125	0.25	U
101402	L1114008	691814	92487		4.0	6.0					0.125	0.25	U
101501	L1115001	691936	92124		0.0	1.0					0.000		
101501	L1115002	691936	92124		1.0	2.0					0.125	0.25	U
101501	L1115003	691936	92124		2.0	4.0					0.125	0.25	U
101501	L1115004	691936	92124		4.0	6.0					0.125	0.25	U
101502	L1115005	691916	92117		0.0	1.0					0.000		
101502	L1115006	691916	92117		1.0	2.0					0.125	0.25	U

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	1,3-DNB		
											Result	DL	VQ
101502	L1115007	691916	92117		2.0	4.0					0.125	0.25	U
101502	L1115008	691916	92117		4.0	6.0					0.125	0.25	U
101503	L1115009	691925	92088		0.0	1.0					0.000		
101503	L1115010	691925	92088		1.0	2.0					0.125	0.25	U
101503	L1115011	691925	92088		2.0	4.0					0.125	0.25	U
101503	L1115012	691925	92088		4.0	6.0					0.125	0.25	U
101504	L1115014	691931	92075		0.0	1.0					0.000		
101504	L1115015	691931	92075		1.0	2.0					0.125	0.25	U
101504	L1115016	691931	92075		2.0	4.0					0.125	0.25	U
101504	L1115017	691931	92075		4.0	6.0					0.125	0.25	U
101505	L1115018	691943	92106		0.0	1.0					0.000		
101505	L1115019	691943	92106		1.0	2.0					0.125	0.25	U
101505	L1115020	691943	92106		2.0	4.0					0.125	0.25	U
101505	L1115021	691943	92106		4.0	6.0					0.125	0.25	U
101506	L1115022	691950	92080		0.0	1.0					0.000		
101506	L1115023	691950	92080		1.0	2.0					0.125	0.25	U
101506	L1115024	691950	92080		2.0	4.0					0.125	0.25	U
101506	L1115025	691950	92080		4.0	6.0					0.125	0.25	U
101601	L1116001	692018	92532		1.0	2.0					0.000		
101602	L1116002	692025	92510		1.0	2.0					0.000		
101604	L1116005	692012	92535		1.0	2.0					0.000		
101605	L1116006	692003	92526		1.0	2.0					0.000		
101605	L1116007	692003	92526		1.0	2.0					0.000		
101901	L1119001	691756	92245		0.0	1.0					0.000		
101901	L1119002	691756	92245		1.0	2.0					0.125	0.25	U
101901	L1119003	691756	92245		2.0	4.0					0.125	0.25	U
101901	L1119004	691756	92245		4.0	6.0					0.125	0.25	U
101902	L1119005	691701	92291		0.0	1.0					0.000		
101902	L1119006	691701	92291		1.0	2.0					0.125	0.25	U
101902	L1119007	691701	92291		2.0	4.0					0.125	0.25	U
101902	L1119008	691701	92291		4.0	6.0					0.125	0.25	U
101903	L1119011	691682	92349		0.0	1.0					0.000		
101903	L1119012	691682	92349		1.0	2.0					0.125	0.25	U
101903	L1119013	691682	92349		2.0	4.0					0.125	0.25	U
101903	L1119014	691682	92349		4.0	6.0					0.125	0.25	U
101904	L1119015	691752	92256		0.0	1.0					0.000		
101904	L1119016	691752	92256		1.0	2.0					0.125	0.25	U
101904	L1119017	691752	92256		2.0	4.0					0.125	0.25	U
101904	L1119018	691752	92256		4.0	6.0					0.125	0.25	U
101905	L1119019	691756	92280		0.0	1.0					0.000		

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	1,3-DNB		
											Result	DL	VQ
101905	L1119020	691756	92280		1.0	2.0					0.125	0.25	U
101905	L1119021	691756	92280		2.0	4.0					0.125	0.25	U
101905	L1119022	691756	92280		4.0	6.0					0.125	0.25	U
103601	L1136001	691816	93159		0.0	1.0					0.000		
103601	L1136002	691816	93159		1.0	2.0					0.000		
103601	L1136003	691816	93159		2.0	4.0					0.000		
103602	L1136004	691819	93152		0.0	1.0					0.000		
103602	L1136005	691819	93152		1.0	2.0					0.000		
103602	L1136006	691819	93152		2.0	4.0					0.000		
103603	L1136007	691811	93151		0.0	1.0					0.000		
103603	L1136008	691811	93151		1.0	2.0					0.000		
103603	L1136009	691811	93151		2.0	4.0					0.000		
104001	L1140001	691989	92970		0.0	1.0					0.000		
104001	L1140002	691989	92970		1.0	2.0					0.125	0.25	U
104001	L1140003	691989	92970		2.0	4.0					0.125	0.25	U
104001	L1140004	691989	92970		4.0	6.0					0.125	0.25	U
104002	L1140005	691966	92968		0.0	1.0					0.000		
104002	L1140007	691966	92968		1.0	2.0					0.125	0.25	U
104002	L1140008	691966	92968		2.0	4.0					0.125	0.25	U
104002	L1140009	691966	92968		4.0	6.0					0.125	0.25	U
104003	L1140010	692020	92953		0.0	1.0					0.000		
104003	L1140011	692020	92953		0.0	1.0					0.125	0.25	U
104003	L1140013	692020	92953		2.0	4.0					0.125	0.25	U
104003	L1140014	692020	92953		4.0	6.0					0.125	0.25	U
104004	L1140015	691950	92925		0.0	1.0					0.000		
104004	L1140016	691950	92925		1.0	2.0					0.125	0.25	U
104004	L1140017	691950	92925		2.0	4.0					0.125	0.25	U
104004	L1140018	691950	92925		4.0	6.0					0.125	0.25	U
104005	L1140006	692034	92912		2.0	4.0					0.125	0.25	U
104005	L1140020	692034	92912		0.0	1.0					0.000		
104005	L1140021	692034	92912		1.0	2.0					0.125	0.25	U
104005	L1140022	692034	92912		2.0	4.0					0.125	0.25	U
104005	L1140023	692034	92912		4.0	6.0					0.125	0.25	U
104006	L1140024	692023	92873		0.0	1.0					0.000		
104006	L1140025	692023	92873		1.0	2.0					0.125	0.25	U
104006	L1140026	692023	92873		2.0	4.0					0.125	0.25	U
104006	L1140027	692023	92873		4.0	6.0					0.125	0.25	U
104007	L1140028	691983	92874		0.0	1.0					0.000		
104007	L1140029	691983	92874		1.0	2.0					0.125	0.25	U
104007	L1140030	691983	92874		2.0	4.0					0.125	0.25	U

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	1,3-DNB		
											Result	DL	VQ
105001	L1150001	691709	92844		1.0	2.0					0.120	0.24	U
105001	L1150002	691709	92844		2.0	4.0					0.125	0.25	U
105001	L1150003	691709	92844		4.0	6.0					0.125	0.25	U
105003	L1150007	691689	92828		0.0	1.0					0.000		
105003	L1150008	691689	92828		1.0	2.0					0.125	0.25	U
105003	L1150009	691689	92828		2.0	4.0					0.120	0.24	U
105003	L1150010	691689	92828		4.0	6.0					0.120	0.24	U
105004	L1150011	691716	92826		0.0	1.0					0.000		
105004	L1150012	691716	92826		1.0	2.0					0.125	0.25	U
105004	L1150013	691716	92826		2.0	4.0					0.125	0.25	U
105004	L1150014	691716	92826		4.0	6.0					0.125	0.25	U
105301	L1153001	692136	92161		1.0	2.0					0.125	0.25	U
105301	L1153001A	692136	92161		0.0	1.0					0.000		
105301	L1153003	692136	92161		2.0	4.0					0.125	0.25	U
105301	L1153004	692136	92161		4.0	6.0					0.125	0.25	U
105302	L1153002	692145	92145		0.0	1.0					0.000		
105302	L1153005	692145	92145		1.0	2.0					0.125	0.25	U
105302	L1153005A	692145	92145		0.0	1.0					0.000		
105302	L1153006	692145	92145		2.0	4.0					0.125	0.25	U
105302	L1153007	692145	92145		4.0	6.0					0.125	0.25	U
105303	L1153008	692108	92140		1.0	2.0					0.125	0.25	U
105303	L1153008A	692108	92140		0.0	1.0					0.000		
105303	L1153009	692108	92140		2.0	4.0					0.125	0.25	U
105303	L1153010	692108	92140		4.0	6.0					0.125	0.25	U
106002	L1160006	691662	92877		0.0	1.0					0.000		
106002	L1160007	691662	92877		1.0	2.0					0.125	0.25	U
106002	L1160008	691662	92877		2.0	4.0					0.120	0.24	U
106002	L1160009	691662	92877		4.0	6.0					0.125	0.25	U
106003	L1160010	691680	92888		0.0	1.0					0.000		
106003	L1160011	691680	92888		1.0	2.0					0.125	0.25	U
106003	L1160012	691680	92888		2.0	4.0					0.120	0.24	U
106003	L1160013	691680	92888		4.0	6.0					0.125	0.25	U
106003	L1160014	691680	92888		4.0	6.0					0.125	0.25	U
106004	L1160015	691680	92900		0.0	1.0					0.000		
106004	L1160016	691680	92900		1.0	2.0					0.125	0.25	U
106004	L1160017	691680	92900		2.0	4.0					0.125	0.25	U
106004	L1160019	691680	92900		4.0	6.0					0.120	0.24	U
106101	L1161001	691947	93086		0.0	1.0					0.000		
106101	L1161002	691947	93086		1.0	2.0					0.125	0.25	U
106101	L1161003	691947	93086		2.0	4.0					0.125	0.25	U

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	1,3-DNB		
											Result	DL	VQ
106101	L1161004	691947	93086		4.0	6.0					0.125	0.25	U
106102	L1161005	691909	93057		0.0	1.0					0.000		
106102	L1161006	691909	93057		1.0	2.0					0.125	0.25	U
106102	L1161007	691909	93057		1.0	2.0					0.125	0.25	U
106102	L1161008	691909	93057		2.0	4.0					0.125	0.25	U
106102	L1161009	691909	93057		4.0	6.0					0.125	0.25	U
106104	L1161014	691956	93011		0.0	1.0					0.000		
106104	L1161015	691956	93011		1.0	2.0					0.125	0.25	U
106104	L1161016	691956	93011		2.0	4.0					0.125	0.25	U
106104	L1161017	691956	93011		4.0	6.0					0.125	0.25	U
106301	L1163009	692099	92970		0.0	1.0					0.000		
106301	L1163010	692099	92970		1.0	2.0					0.125	0.25	U
106301	L1163011	692099	92970		2.0	4.0					0.125	0.25	U
106301	L1163012	692099	92970		4.0	6.0					0.125	0.25	U
106302	L1163013	692094	92997		0.0	1.0					0.000		
106302	L1163015	692094	92997		2.0	4.0					0.125	0.25	U
106302	L1163016	692094	92997		4.0	6.0					0.125	0.25	U
106303	L1163017	692099	93024		0.0	1.0					0.000		
106303	L1163018	692099	93024		1.0	2.0					0.125	0.25	U
106303	L1163019	692099	93024		2.0	4.0					0.125	0.25	U
106303	L1163020	692099	93024		4.0	6.0					0.125	0.25	U
106304	L1163021	692101	93040		0.0	1.0					0.000		
106304	L1163022	692101	93040		1.0	2.0					0.125	0.25	U
106304	L1163023	692101	93040		2.0	4.0					0.125	0.25	U
106304	L1163024	692101	93040		4.0	6.0					0.125	0.25	U
106305	L1163025	692073	93131		0.0	1.0					0.000		
106305	L1163026	692073	93131		1.0	2.0					0.125	0.25	U
106305	L1163027	692073	93131		1.0	2.0					0.125	0.25	U
106305	L1163028	692073	93131		2.0	4.0					0.125	0.25	U
106305	L1163029	692073	93131		4.0	6.0					0.125	0.25	U
106306	L1163030	692055	93147		0.0	1.0					0.000		
106306	L1163031	692055	93147		1.0	2.0					0.125	0.25	U
106306	L1163032	692055	93147		2.0	4.0					0.125	0.25	U
106306	L1163033	692055	93147		4.0	6.0					0.125	0.25	U
106307	L1163034	692088	93113		0.0	1.0					0.000		
106307	L1163035	692088	93113		1.0	2.0					0.125	0.25	U
106307	L1163036	692088	93113		2.0	4.0					0.125	0.25	U
106307	L1163037	692088	93113		4.0	6.0					0.125	0.25	U
106308	L1163038	692094	93102		0.0	1.0					0.000		
106308	L1163039	692094	93102		1.0	2.0					0.125	0.25	U

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	1,3-DNB		
											Result	DL	VQ
106308	L1163040	692094	93102		2.0	4.0					0.125	0.25	U
106308	L1163041	692094	93102		4.0	6.0					0.125	0.25	U
106401	L1164001	692022	93174		0.0	1.0					0.000		
106401	L1164002	692022	93174		1.0	2.0					0.125	0.25	U
106401	L1164003	692022	93174		2.0	4.0					0.125	0.25	U
106401	L1164004	692022	93174		4.0	6.0					0.125	0.25	U
106401	L1164018	692022	93174		0.0	1.0					0.000		
106402	L1164005	692011	93185		0.0	1.0					0.000		
106402	L1164006	692011	93185		4.0	6.0					0.125	0.25	U
106402	L1164007	692011	93185		2.0	4.0					0.125	0.25	U
106402	L1164008	692011	93185		4.0	6.0					0.125	0.25	U
106403	L1164009	692000	93195		0.0	1.0					0.000		
106403	L1164010	692000	93195		1.0	2.0					0.125	0.25	U
106403	L1164011	692000	93195		2.0	4.0					0.125	0.25	U
106403	L1164012	692000	93195		4.0	6.0					0.125	0.25	U
106403	L1164013	692000	93195		4.0	6.0					0.125	0.25	U
106404	L1164014	691970	93215		2.0	4.0					0.000		
106404	L1164015	691970	93215		1.0	2.0					0.125	0.25	U
106404	L1164016	691970	93215		2.0	4.0					0.125	0.25	U
106404	L1164017	691970	93215		4.0	6.0					0.125	0.25	U
106501	L1165001	692089	92859		0.0	1.0					0.000		
106501	L1165002	692089	92859		1.0	2.0					0.125	0.25	U
106501	L1165003	692089	92859		2.0	4.0					0.125	0.25	U
106501	L1165004	692089	92859		4.0	6.0					0.125	0.25	U
106501	L1165005	692089	92859		4.0	6.0					0.125	0.25	U
106502	L1165006	692086	92848		0.0	1.0					0.000		
106502	L1165007	692086	92848		1.0	2.0					0.125	0.25	U
106502	L1165008	692086	92848		2.0	4.0					0.125	0.25	U
106502	L1165009	692086	92848		4.0	6.0					0.125	0.25	U
106503	L1165010	692175	92980		0.0	1.0					0.000		
106503	L1165011	692175	92980		1.0	2.0					0.125	0.25	U
106503	L1165012	692175	92980		2.0	4.0					0.125	0.25	U
106503	L1165013	692175	92980		4.0	6.0					0.125	0.25	U
106503	L1165030	692175	92980		1.0	2.0					0.125	0.25	U
106504	L1165014	692161	92912		0.0	1.0					0.000		
106504	L1165015	692161	92912		1.0	2.0					0.125	0.25	U
106504	L1165016	692161	92912		2.0	4.0					0.125	0.25	U
106504	L1165017	692161	92912		4.0	6.0					0.125	0.25	U
106505	L1165018	692194	92823		0.0	1.0					0.000		
106505	L1165019	692194	92823		1.0	2.0					0.125	0.25	U

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	1,3-DNB		
											Result	DL	VQ
106505	L1165020	692194	92823		2.0	4.0					0.125	0.25	U
106505	L1165021	692194	92823		4.0	6.0					0.125	0.25	U
106506	L1165022	692273	92884		0.0	1.0					0.000		
106506	L1165023	692273	92884		1.0	2.0					0.125	0.25	U
106506	L1165024	692273	92884		2.0	4.0					0.125	0.25	U
106506	L1165025	692273	92884		4.0	6.0					0.125	0.25	U
106507	L1165026	692267	92904		0.0	1.0					0.000		
106507	L1165027	692267	92904		1.0	2.0					0.125	0.25	U
106507	L1165028	692267	92904		2.0	4.0					0.125	0.25	U
106507	L1165029	692267	92904		4.0	6.0					0.125	0.25	U
106507	L1165031	692267	92904		0.0	1.0					0.000		
106601	L1166001	691723	92395		0.0	1.0					0.000		
106601	L1166002	691723	92395		1.0	2.0					0.125	0.25	U
106601	L1166003	691723	92395		2.0	4.0					0.125	0.25	U
106601	L1166004	691723	92395		4.0	6.0					0.125	0.25	U
106602	L1166007	691680	92381		0.0	1.0					0.000		
106602	L1166008	691680	92381		1.0	2.0					0.125	0.25	U
106602	L1166009	691680	92381		2.0	4.0					0.125	0.25	U
106602	L1166010	691680	92381		4.0	6.0					0.125	0.25	U
106701	L1167001	691949	93193		0.0	1.0					0.000		
106701	L1167002	691949	93193		1.0	2.0					0.125	0.25	U
106701	L1167003	691949	93193		2.0	4.0					0.125	0.25	U
106701	L1167004	691949	93193		4.0	6.0					0.125	0.25	U
106702	L1167005	691953	93162		0.0	1.0					0.000		
106702	L1167006	691953	93162		1.0	2.0					0.125	0.25	U
106702	L1167007	691953	93162		1.0	2.0					0.125	0.25	U
106702	L1167008	691953	93162		4.0	6.0					0.125	0.25	U
106703	L1167009	691973	93141		0.0	1.0					0.000		
106703	L1167010	691973	93141		1.0	2.0					0.125	0.25	U
106703	L1167011	691973	93141		2.0	4.0					0.125	0.25	U
106703	L1167012	691973	93141		4.0	6.0					0.125	0.25	U
107001	L1170001	691981	92458		0.0	1.0					0.000		
107001	L1170002	691981	92458		1.0	2.0					0.125	0.25	U
107001	L1170003	691981	92458		2.0	4.0					0.125	0.25	U
107001	L1170004	691981	92458		4.0	6.0					0.125	0.25	U
107002	L1170005	691961	92498		0.0	1.0					0.000		
107002	L1170006	691961	92498		1.0	2.0					0.125	0.25	U
107002	L1170007	691961	92498		2.0	4.0					0.125	0.25	U
107002	L1170008	691961	92498		4.0	6.0					0.125	0.25	U
107101	L1171001	691874	92664		0.0	1.0					0.000		

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	1,3-DNB		
											Result	DL	VQ
107101	L1171002	691874	92664		1.0	2.0					0.125	0.25	U
107101	L1171003	691874	92664		2.0	4.0					0.125	0.25	U
107101	L1171004	691874	92664		4.0	6.0					0.125	0.25	U
107201	L1172001	691875	92586		0.0	1.0					0.000		
107201	L1172002	691875	92586		1.0	2.0					0.125	0.25	U
107201	L1172003	691875	92586		2.0	4.0					0.125	0.25	U
107201	L1172004	691875	92586		4.0	6.0					0.125	0.25	U
107201	L1172005	691875	92586		4.0	6.0					0.125	0.25	U
107303	L1173009	691882	92517		0.0	1.0					0.000		
107303	L1173010	691882	92517		1.0	2.0					0.120	0.24	U
107303	L1173011	691882	92517		2.0	4.0					0.120	0.24	U
107303	L1173012	691882	92517		4.0	6.0					0.125	0.25	U
107304	L1173013	691895	92491		0.0	1.0					0.000		
107304	L1173014	691895	92491		1.0	2.0					0.125	0.25	U
107304	L1173015	691895	92491		2.0	4.0					0.125	0.25	U
107304	L1173016	691895	92491		4.0	6.0					0.125	0.25	U
107305	L1173017	691925	92475		0.0	1.0					0.000		
107305	L1173018	691925	92475		1.0	2.0					0.125	0.25	U
107305	L1173019	691925	92475		2.0	4.0					0.125	0.25	U
107305	L1173020	691925	92475		4.0	6.0					0.125	0.25	U
107401	L1174001	691962	92425		0.0	1.0					0.000		
107401	L1174002	691962	92425		1.0	2.0					0.125	0.25	U
107401	L1174003	691962	92425		2.0	4.0					0.125	0.25	U
107401	L1174004	691962	92425		4.0	6.0					0.125	0.25	U
107501	L1175001	691970	92319		0.0	1.0					0.000		
107501	L1175002	691970	92319		1.0	2.0					0.125	0.25	U
107501	L1175003	691970	92319		2.0	4.0					0.125	0.25	U
107501	L1175004	691970	92319		4.0	6.0					0.125	0.25	U
107601	L1176001	691995	92243		0.0	1.0					0.000		
107601	L1176002	691995	92243		1.0	2.0					0.125	0.25	U
107601	L1176003	691995	92243		1.0	2.0					0.125	0.25	U
107601	L1176004	691995	92243		2.0	4.0					0.125	0.25	U
107601	L1176005	691995	92243		4.0	6.0					0.125	0.25	U
107701	L1177001	691839	93355		0.0	1.0					0.000		
107701	L1177002	691839	93355		1.0	2.0					0.125	0.25	U
107701	L1177003	691839	93355		2.0	4.0					0.125	0.25	U
107701	L1177004	691839	93355		4.0	6.0					0.125	0.25	U
108501	L1185001	692145	93053		0.0	1.0					0.000		
108501	L1185002	692145	93053		1.0	2.0					0.125	0.25	U
108501	L1185003	692145	93053		2.0	4.0					0.125	0.25	U

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	1,3-DNB		
											Result	DL	VQ
108501	L1185004	692145	93053		4.0	6.0					0.125	0.25	U
108502	L1185005	692193	93114		0.0	1.0					0.000		
108502	L1185006	692193	93114		1.0	2.0					0.125	0.25	U
108502	L1185007	692193	93114		1.0	2.0					0.125	0.25	U
108502	L1185009	692193	93114		4.0	6.0					0.125	0.25	U
110001	L11100001	691889	92747		0.0	1.0					0.000		
110001	L11100002	691889	92747		1.0	2.0					0.125	0.25	U
110001	L11100003	691889	92747		2.0	4.0					0.125	0.25	U
110001	L11100004	691889	92747		2.0	4.0					0.120	0.24	U
110003	L11100009	691958	92733		4.0	6.0					0.125	0.25	U
110003	L11100010	691958	92733		0.0	1.0					0.000		
110003	L11100011	691958	92733		1.0	2.0					0.125	0.25	U
110003	L11100012	691958	92733		1.0	2.0					0.125	0.25	U
110003	L11100013	691958	92733		2.0	4.0					0.120	0.24	U
110003	L11100014	691958	92733		4.0	6.0					0.125	0.25	U
110021	L111002001	691703	92269		0.0	1.0					0.000		
110021	L111002002	691703	92269		0.0	1.0					0.000		
110021	L111002003	691703	92269		1.0	2.0					0.125	0.25	U
110021	L111002004	691703	92269		2.0	4.0					0.125	0.25	U
110021	L111002005	691703	92269		4.0	6.0					0.125	0.25	U
110021	L111002006	691703	92269		4.0	6.0					0.125	0.25	U
112421	L11124001	691974	93402		1.0	2.0					0.125	0.25	U
112421	L11124002	691974	93402		2.0	4.0					0.125	0.25	U
112421	L11124003	691974	93402		4.0	6.0					0.125	0.25	U
112422	L11124004	691977	93392		1.0	2.0					0.125	0.25	U
112422	L11124005	691977	93392		2.0	4.0					0.125	0.25	U
112422	L11124006	691977	93392		4.0	6.0					0.125	0.25	U
112423	L11124007	691956	93454		1.0	2.0					0.125	0.25	U
112423	L11124008	691956	93454		2.0	4.0					0.125	0.25	U
112423	L11124009	691956	93454		4.0	6.0					0.125	0.25	U
112901	L11129001	691933	93378		1.0	2.0					0.125	0.25	U
112901	L11129002	691933	93378		2.0	4.0					0.125	0.25	U
112901	L11129003	691933	93378		4.0	6.0					0.125	0.25	U
112902	L11129004	691961	93373		1.0	2.0					0.000		
112902	L11129005	691961	93373		2.0	4.0					0.000		
112902	L11129006	691961	93373		2.0	4.0					0.000		
112903	L11129007	691939	93367		1.0	2.0					0.125	0.25	U
112903	L11129008	691939	93367		2.0	4.0					0.125	0.25	U
112903	L11129009	691939	93367		4.0	6.0					0.125	0.25	U
115201	L11152001	691670	93440		1.0	2.0					0.000		

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	1,3-DNB		
											Result	DL	VQ
115201	L11152002	691670	93440		2.0	4.0					0.000		
115202	L11152003	691677	93430		1.0	2.0					0.000		
115202	L11152004	691677	93430		2.0	4.0					0.000		
115203	L11152005	691655	93409		1.0	2.0					0.000		
115203	L11152006	691655	93409		2.0	4.0					0.000		
115204	L11152007	691646	93444		1.0	2.0					0.000		
115204	L11152008	691646	93444		2.0	4.0					0.000		
115205	L11152009	691681	93484		1.0	2.0					0.000		
115205	L11152009DL	691681	93484		1.0	2.0					0.000		
115205	L11152011	691681	93484		2.0	4.0					0.000		
115206	L11152012	691648	93431		1.0	2.0					0.000		
115206	L11152013	691648	93431		2.0	4.0					0.000		
115207	L11152014	691651	93420		1.0	2.0					0.000		
115207	L11152015	691651	93420		2.0	4.0					0.000		
115501	L11155001	691829	92890		0.0	1.0					0.000		
115501	L11155002	691829	92890		1.0	2.0					0.125	0.25	U
115501	L11155003	691829	92890		2.0	4.0					0.120	0.24	U
115501	L11155004	691829	92890		4.0	6.0					0.125	0.25	U
115501	L11155005	691829	92890		4.0	6.0					0.120	0.24	U
115502	L11155006	691921	92626		0.0	1.0					0.000		
115502	L11155007	691921	92626		1.0	2.0					0.125	0.25	U
115502	L11155008	691921	92626		2.0	4.0					0.125	0.25	U
115502	L11155009	691921	92626		4.0	6.0					0.125	0.25	U
115503	L11155010	692016	92333		0.0	1.0					0.000		
115503	L11155011	692016	92333		1.0	2.0					0.125	0.25	U
115503	L11155012	692016	92333		2.0	4.0					0.125	0.25	U
116901	L11169001	691798	92297		0.0	1.0					0.000		
116901	L11169002	691798	92297		1.0	2.0					0.000		
116902	L1169003	691703	93210		0.0	1.0					0.000		
116902	L1169004	691703	93210		1.0	2.0					0.000		
116903	L11169005	691920	92946		0.0	1.0					0.000		
116903	L11169006	691920	92946		1.0	2.0					0.000		
116904	L11169007	691946	92866		0.0	1.0					0.000		
116904	L11169008	691946	92866		1.0	2.0					0.000		
116905	L11169009	692120	92125		0.0	1.0					0.000		
116905	L11169010	692120	92125		1.0	2.0					0.000		
116906	L11169011	692028	92646		1.0	2.0					0.000		
116907	L11169013	692114	92355		0.0	1.0					0.000		
116907	L11169014	692114	92355		1.0	2.0					0.000		
116908	L11169016	692066	92273		0.0	1.0					0.000		

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	1,3-DNB		
											Result	DL	VQ
116908	L11169017	692066	92273		1.0	2.0					0.000		
116909	L11169018	691757	92233		0.0	1.0					0.000		
116909	L11169019	691757	92233		1.0	2.0					0.000		
116910	L11169020	691979	93373		0.0	1.0					0.000		
116910	L11169021	691979	93373		1.0	2.0					0.000		
116911	L11169022	691769	93328		0.0	1.0					0.000		
116911	L11169023	691769	93328		1.0	2.0					0.000		
116912	L11169024	691863	93415		0.0	1.0					0.000		
116912	L11169025	691863	93415		1.0	2.0					0.000		
116913	L11169026	691701	92898		0.0	1.0					0.000		
116913	L11169027	691701	92898		1.0	2.0					0.000		
116914	L11169028	691725	93411		0.0	1.0					0.000		
116914	L11169028DL	691725	93411		0.0	1.0					0.000		
116914	L11169029	691725	93411		1.0	2.0					0.000		
116914	L11169029DL	691725	93411		1.0	2.0					0.000		
116915	L11169030	691883	93355		0.0	1.0					0.000		
116915	L11169031	691883	93355		0.0	1.0					0.000		
116916	L11169032	692204	93063		0.0	1.0					0.000		
116916	L11169033	692204	93063		0.0	1.0					0.000		
116916	L11169034	692204	93063		1.0	2.0					0.000		
116917	L11169035	691698	92263		0.0	1.0					0.000		
116917	L11169036	691698	92263		1.0	2.0					0.000		
116918	L11169037	691949	93168		0.0	1.0					0.000		
116918	L11169038	691949	93168		1.0	2.0					0.000		
116919	L11169039	692104	92656		0.0	1.0					0.000		
116919	L11169040	692104	92656		1.0	2.0					0.000		
116920	L11169041	691813	92098		0.0	1.0					0.000		
116920	L11169042	691813	92098		1.0	2.0					0.000		
116920	L11169043	691813	92098		1.0	2.0					0.000		
116921	L11169044	692141	92572		0.0	1.0					0.000		
116921	L11169045	692141	92572		1.0	2.0					0.000		
116922	L11169046	692089	92779		0.0	1.0					0.000		
116922	L11169047	692089	92779		1.0	2.0					0.000		
116925	L11169052	691675	93311		0.0	1.0					0.000		
116925	L11169053	691675	93311		1.0	2.0					0.000		
160302	L1163014	692094	92997		1.0	2.0					0.125	0.25	U
163701	L1163001	691731	92351		0.0	1.0					0.000		
163701	L1163002	691731	92351		1.0	2.0					0.125	0.25	U
163701	L1163003	691731	92351		2.0	4.0					0.000		
163701	L1163004	691731	92351		4.0	6.0					0.125	0.25	U

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	1,3-DNB		
											Result	DL	VQ
163702	L1163005	691759	92309		0.0	1.0					0.000		
163702	L1163006	691759	92309		1.0	2.0					0.125	0.25	U
163702	L1163007	691759	92309		2.0	4.0					0.125	0.25	U
163702	L1163008	691759	92309		4.0	6.0					0.125	0.25	U
10DD01	L110DD001	691669	93262		0.0	1.0					0.000		
10DD01	L110DD002	691669	93262		1.0	2.0					0.125	0.25	U
10DD01	L110DD003	691669	93262		2.0	4.0					0.125	0.25	U
10DD01	L110DD004	691669	93262		4.0	6.0					0.125	0.25	U
10DD02	L110DD005	691641	93234		0.0	1.0					0.000		
10DD02	L110DD006	691641	93234		1.0	2.0					0.125	0.25	U
10DD02	L110DD007	691641	93234		2.0	4.0					0.125	0.25	U
10DD02	L110DD008	691641	93234		4.0	6.0					0.120	0.24	U
10DD03	L110DD009	691565	93119		0.0	1.0					0.000		
10DD03	L110DD010	691565	93119		1.0	2.0					0.125	0.25	U
10DD03	L110DD011	691565	93119		2.0	4.0					0.125	0.25	U
10DD03	L110DD012	691565	93119		4.0	6.0					0.125	0.25	U
10DD04	L110DD013	691508	93081		0.0	1.0					0.000		
10DD04	L110DD014	691508	93081		1.0	2.0					0.125	0.25	U
10DD04	L110DD015	691508	93081		2.0	4.0					0.125	0.25	U
10DD04	L110DD016	691508	93081		2.0	4.0					0.120	0.24	U
10DD04	L110DD017	691508	93081		4.0	6.0					0.125	0.25	U
10DD05	L110DD018	691525	93099		0.0	1.0					0.000		
10DD05	L110DD019	691525	93099		1.0	2.0					0.125	0.25	U
10DD07	L110DD026	691660	93153		0.0	1.0					0.000		
10DD07	L110DD027	691660	93153		1.0	2.0					0.125	0.25	U
10DD07	L110DD028	691660	93153		2.0	4.0					0.120	0.24	U
10DD07	L110DD029	691660	93153		4.0	6.0					0.125	0.25	U
10DD09	L110DD034	691861	92762		0.0	1.0					0.000		
10DD09	L110DD035	691861	92762		1.0	2.0					0.125	0.25	U
10DD09	L110DD036	691861	92762		2.0	4.0					0.125	0.25	U
10DD09	L110DD037	691861	92762		4.0	6.0					0.125	0.25	U
10DD10	L110DD038	691839	92768		0.0	1.0					0.000		
10DD10	L110DD039	691839	92768		0.0	1.0					0.000		
10DD10	L110DD040	691839	92768		1.0	2.0					0.125	0.25	U
10DD10	L110DD041	691839	92768		2.0	4.0					0.125	0.25	U
10DD10	L110DD042	691839	92768		4.0	6.0					0.125	0.25	U
10DD11	L110DD043	691762	92784		0.0	1.0					0.000		
10DD11	L110DD044	691762	92784		1.0	2.0					0.125	0.25	U
10DD11	L110DD045	691762	92784		1.0	2.0					0.125	0.25	U
10DD11	L110DD046	691762	92784		2.0	4.0					0.125	0.25	U

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	1,3-DNB		
											Result	DL	VQ
10DD11	L110DD047	691762	92784		4.0	6.0					0.125	0.25	U
10DD12	L110DD048	691726	92790		0.0	1.0					0.000		
10DD12	L110DD049	691726	92790		1.0	2.0					0.120	0.24	U
10DD12	L110DD050	691726	92790		2.0	4.0					0.120	0.24	U
10DD12	L110DD051	691726	92790		4.0	6.0					0.120	0.24	U
10DD13	L110DD052	691627	92701		0.0	1.0					0.000		
10DD13	L110DD053	691627	92701		1.0	2.0					0.125	0.25	U
10DD13	L110DD054	691627	92701		2.0	4.0					0.125	0.25	U
10DD13	L110DD055	691627	92701		4.0	6.0					0.125	0.25	U
10DD14	L110DD056	691617	92673		0.0	1.0					0.000		
10DD14	L110DD057	691617	92673		1.0	2.0					0.125	0.25	U
10DD14	L110DD058	691617	92673		2.0	4.0					0.125	0.25	U
10DD14	L110DD059	691617	92673		4.0	6.0					0.125	0.25	U
10DD15	L110DD060	691625	92545		0.0	1.0					0.000		
10DD15	L110DD061	691625	92545		1.0	2.0					0.125	0.25	U
10DD15	L110DD062	691625	92545		2.0	4.0					0.125	0.25	U
10DD15	L110DD063	691625	92545		4.0	6.0					0.125	0.25	U
10DD16	L110DD065	691588	92546		1.0	2.0					0.125	0.25	U
10DD16	L110DD066	691588	92546		2.0	4.0					0.125	0.25	U
10DD16	L110DD067	691588	92546		4.0	6.0					0.125	0.25	U
10DD17	L110DD069	691547	92435		1.0	2.0					0.125	0.25	U
10DD17	L110DD070	691547	92435		2.0	4.0					0.125	0.25	U
10DD17	L110DD071	691547	92435		4.0	6.0					0.125	0.25	U
10DD17	L110DD072	691547	92435		4.0	6.0					0.125	0.25	U
10DD18	L110DD074	691582	92419		1.0	2.0					0.125	0.25	U
10DD18	L110DD075	691582	92419		2.0	4.0					0.125	0.25	U
10DD18	L110DD076	691582	92419		4.0	6.0					0.125	0.25	U
10DD19	L110DD077	691678	92547		0.0	1.0					0.000		
10DD19	L110DD078DL	691678	92547		1.0	2.0					0.000		
10DD19	L110DD079DL	691678	92547		2.0	4.0					0.000		
10DD20	L110DD081	691806	92511		0.0	1.0					0.000		
10DD20	L110DD082	691806	92511		1.0	2.0					0.125	0.25	U
10DD20	L110DD083	691806	92511		2.0	4.0					0.125	0.25	U
10DD20	L110DD084	691806	92511		4.0	6.0					0.125	0.25	U
10DD21	L110DD085	691838	92504		0.0	1.0					0.000		
10DD21	L110DD086	691838	92504		1.0	2.0					0.125	0.25	U
10DD21	L110DD087	691838	92504		2.0	4.0					0.125	0.25	U
10DD21	L110DD088	691838	92504		4.0	6.0					0.125	0.25	U
10DD22	L110DD089	691858	92111		0.0	1.0					0.000		
10DD22	L110DD090	691858	92111		1.0	2.0					0.125	0.25	U

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	1,3-DNB		
											Result	DL	VQ
10DD22	L110DD091	691858	92111		2.0	4.0					0.125	0.25	U
10DD22	L110DD092	691858	92111		4.0	6.0					0.125	0.25	U
10DD23	L110DD094	691798	92021		1.0	2.0					0.125	0.25	U
10DD23	L110DD095	691798	92021		2.0	4.0					0.125	0.25	U
10DD23	L110DD096	691798	92021		4.0	6.0					0.125	0.25	U
10DD25	L110DD102	691742	92808		2.0	4.0					0.000		
10DD25	L110DD103	691742	92808		1.0	2.0					0.125	0.25	U
10DD25	L110DD104	691742	92808		2.0	4.0					0.125	0.25	U
10DD25	L110DD105	691742	92808		4.0	6.0					0.125	0.25	U
10DD26	L110DD106	691759	92856		0.0	1.0					0.000		
10DD26	L110DD107	691759	92856		1.0	2.0					0.125	0.25	U
10DD26	L110DD108	691759	92856		2.0	4.0					0.125	0.25	U
10DD26	L110DD109	691759	92856		4.0	6.0					0.125	0.25	U
10DD27	L110DD110	691918	91943		0.0	1.0					0.000		
10DD27	L110DD111	691918	91943		1.0	2.0					0.125	0.25	U
10DD27	L110DD112	691918	91943		2.0	4.0					0.125	0.25	U
10DD27	L110DD113	691918	91943		4.0	6.0					0.125	0.25	U
10DD28	L110DD115	691840	91886		1.0	2.0					0.125	0.25	U
10DD28	L110DD116	691840	91886		2.0	4.0					0.125	0.25	U
10DD28	L110DD117	691840	91886		4.0	6.0					0.125	0.25	U
10DD29	L110DD131	691632	93305		0.0	1.0					0.000		
10DD29	L110DD132	691632	93305		1.0	2.0					0.125	0.25	U
10DD29	L110DD133	691632	93305		2.0	4.0					0.125	0.25	U
10DD29	L110DD134	691632	93305		4.0	6.0					0.125	0.25	U

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	1,3-DNB		
											Result	DL	VQ
L1-E46-C001	IAAP137907						EU4	F	46	west wall BC 4 and 5	0.13	0.25	U
L1-E46-C002	IAAP137908					west wall BC 6, 7 and 3				0.13	0.25	U	
L1-E46-C003	IAAP137909					floor BC 1, 9, 2, 3, 7, and 6				0.13	0.25	U	
L1-E46-C004	IAAP137910					south wall BC 2, 3, and 4				0.13	0.25	U	
L1-E46-C005	IAAP137911					floor BC 3, 4, 5, 6, and 7				0.13	0.25	U	
L1-E46-C006	IAAP137912					east wall BC 1, 9, and 2				0.13	0.25	U	
L1-E12-C001	IAAP112282						EU5	B	12	north wall BC 1 and 12	0.15	0.29	U
L1-E12-C004	IAAP112283					east wall BC 1 and 2				0.15	0.27	U	
L1-E12-C005	IAAP112284					south wall BC 2 and 3				0.14	0.29	U	
L1-E12-C006	IAAP112285					west wall BC 8, 9, and 10; 11 and 12				0.15	0.29	U	
L1-E12-C007	IAAP112286					floor of EXC				0.15	0.29	U	
L1-E14-C001	IAAP112292						EU5	D	14	north wall BC 1 and 8	0.15	0.31	U
L1-E14-C002	IAAP112293					east wall BC 1 and 2				0.16	0.32	U	
L1-E14-C004	IAAP112295					west wall BC 7 and 8				0.16	0.32	U	
L1-E14-C005	IAAP112296					floor of EXC				0.16	0.31	U	
L1-E15-C001	IAAP112297						EU5	E North	15	Wall BC 15, 1, & 2	0.16	0.29	U
L1-E15-C004	IAAP112298					Wall BC 2, 3, 4, 5, & 6				0.15	0.28	U	
L1-E15-C007	IAAP112301					Wall BC 9, 10, 11, 12, 13, 14, & 15				0.14	0.28	U	
L1-E15-C009	IAAP112303					Floor BC 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, & 15				0.14	0.3	U	
L1-E15-C012	IAAP113264					Wall BC 6, 7, 8, & 9				0.15	0.29	U	
L1-E15-C005	IAAP112299						EU5	E South	15	Wall BC 1, 2, 3, 4, 5, 6, and 7	0.15	0.29	U
L1-E15-C006	IAAP112300					Wall BC 7, 8, and 9				0.15	0.27	U	
L1-E15-C008	IAAP112302					Wall BC 9, 10, 11, and 12				0.14	0.3	U	
L1-E15-C010	IAAP112353					Wall BC 12, 13 and 1				0.15	0.3	U	
L1-E15-C017-P4	IAAP132502					Floor BC 1, 2, 3, 4, 5, 11, 12, and 13				0.15	0.25	U	
L1-E15-C021-P4	IAAP132648					Floor BC 5,6, 10 and 11				0.13	0.25	U	
L1-E15-C022-P4	IAAP132649					Floor BC 6, 7, 8, 9, and 10				0.13	0.25	U	
L1-E50-C001	IAAP138923						EU5	F	50	Wall BC 26, 27, 28, 29 and 30	0.13	0.25	U
L1-E50-C002	IAAP138924					Wall BC 17, 18, 19, 20, and 21				0.13	0.25	U	
L1-E50-C003	IAAP138925					Wall BC 21, 22, 23, 24, 25, and 26				0.13	0.25	U	
L1-E50-C004	IAAP138926					Floor BC 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 48, and 49				0.13	0.25	U	
L1-E50-C005	IAAP138927					Wall BC 30, 31, 32, 33, 34, 35, and 36				0.13	0.25	U	
L1-E50-C007	IAAP138929					Wall BC 36, 37, 38, 39, 40, and 41				0.13	0.25	U	
L1-E50-C008	IAAP138930					Wall BC 8, 9, 10, 11, 12, 13, 14, 15, 16, and 17				0.13	0.25	U	
L1-E50-C009	IAAP138931					Floor BC 16, 17, 49, 48, 30, 31, 32, 33, 34, 35, 36, 37, 38, and 50				0.13	0.25	U	
L1-E50-C010	IAAP138932					Floor BC 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 50, 38, 39 40, 41, 46, and 47				0.13	0.25	U	
L1-E50-C011	IAAP139424					Wall BC 41, 42, 43, 44, and 45				0.13	0.25	U	
L1-E50-C012	IAAP139425					Wall BC 41 and 46				0.13	0.25	U	
L1-E50-C013	IAAP139426					Floor BC 41, 42, 43, 44, 45 and 46				0.13	0.25	U	
L1-E50-C016	IAAP139427					Wall BC 1, 2, 3, 4, 5, 6, 7, and 8				0.13	0.25	U	

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	1,3-DNB		
											Result	DL	VQ
L1-E17-C002	IAAP112310						EU5	G	17	east wall BC 8, 9, and 10	0.13	0.3	U
L1-E17-C011	IAAP131818					north wall BC 1, 2, and 3				0.15	0.25	U	
L1-E17-C009	IAAP131816					floor BC 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15 and 16				0.13	0.25	U	
L1-E17-C010	IAAP131817					floor BC 1, 2, 3, 4, 5, 16, and 17				0.13	0.25	U	
L1-E21-C001	IAAP112331						EU5	K	21	Wall BC 1 and 2	0.13	0.31	U
L1-E21-C002	IAAP112332					Wall BC 2 and 3				0.16	0.31	U	
L1-E21-C004	IAAP112334					Wall BC 1 and 23				0.16	0.3	U	
L1-E21-C005	IAAP112335					Floor BC 1, 2, 3, 24, and 23				0.15	0.35	U	
L1-E21-C010-P4	IAAP131855					Wall BC 4, 5, and 6				0.18	0.25	U	
L1-E21-C011-P4	IAAP131856					Wall BC 19, 20, 21, and 22				0.13	0.25	U	
L1-E21-C012-P4	IAAP131857					Floor BC 3, 4, 5, 6, 7, 8, 9, 18, 19, 20, 21, 22, 23, and 24				0.13	0.25	U	
L1-E1-C014	IAAP132640					Wall BC 9, 10, 11, and 12				0.13	0.25	U	
L1-E1-C015	IAAP132641					Wall BC 13, 14, 15, 16, 17, and 18				0.13	0.25	U	
L1-E21-C017	IAAP133121					Floor BC 9, 10, 11, 12, 13, 14, 15, 16, 17, and 18				0.13	0.25	U	
L1-E21-C020	IAAP133122					Floor BC 25, 26, 27, and 28				0.13	0.25	U	
L1-E21-C021	IAAP133123					Wall BC 26 and 27				0.13	0.25	U	
L1-E21-C022	IAAP133124					Wall BC 25 and 28				0.13	0.25	U	
L1-E21-C023	IAAP133125					Wall BC 27 and 28				0.13	0.25	U	
L1-E21-C024	IAAP133126					Wall BC 25 and 26				0.13	0.25	U	
L1-E55-C001	IAAP144023									EU5	N	55	Wall BC 1 and 13
L1-E55-C004	IAAP144024					Wall BC 7 and 8	0.13	0.25	U				
L1-E55-C005	IAAP144025					Wall BC 6 and 7	0.13	0.25	U				
L1-E55-C006	IAAP144026					Floor BC 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, and 13	0.13	0.25	U				
L1-E55-C007	IAAP144027					Ramp BC 4, 5, 22 and 23	0.13	0.25	U				
L1-E55-C008	IAAP144028					Wall BC 19, 20, and 21 & BC 25 and 26	0.13	0.25	U				
L1-E55-C009	IAAP144029					Wall BC 14, 15, 27 and 28 & BC 1 and 2	0.13	0.25	U				
L1-E55-C010	IAAP144030					Wall BC 15 and 26	0.13	0.25	U				
L1-E55-C011	IAAP144031					Floor BC 14, 15, 26, 25, 16, 24, 17, 20, 21, 19, and 18	0.13	0.25	U				
L1-E56-C001	IAAP143936						EU5	O	56				Wall BC 1, 6, & 5
L1-E56-C002	IAAP143937					Wall BC 2, 3, & 4				0.13	0.25	U	
L1-E56-C003	IAAP143938					Wall BC 4 & 5				0.13	0.25	U	
L1-E56-C004	IAAP143939					Floor BC 1, 2, 3, 4, 5, & 6				0.13	0.25	U	

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	1,3-DNB		
											Result	DL	VQ
L1-E57-C001	IAAP144578						EU5	P	57	Wall BC 16 & 17	0.13	0.25	U
L1-E57-C002	IAAP144579					Wall BC 1 & 17				0.13	0.25	U	
L1-E57-C003	IAAP144580					Wall BC 15 & 16				0.13	0.25	U	
L1-E57-C004	IAAP144581					Floor BC 1, 15, 16 & 17				0.13	0.25	U	
L1-E57-C005	IAAP144582					Wall BC 13, 14, & 15				0.13	0.25	U	
L1-E57-C006	IAAP144583					Wall BC 12 & 13				0.13	0.25	U	
L1-E57-C007	IAAP144584					Wall BC 9, 10, 11, & 12				0.13	0.25	U	
L1-E57-C010	IAAP144585					Wall BC 5, 6, 7, 8, & 9				0.13	0.25	U	
L1-E57-C011	IAAP144586					Wall BC 3 & 4				0.13	0.25	U	
L1-E57-C012	IAAP144587					Floor BC 1, 2, 3, 8, 9, 10, 11, 12,13, 14, &15				0.13	0.25	U	
L1-E57-C013-P2	IAAP144941					Floor BC 3, 4, 5, 6, 7, & 8				0.13	0.25	U	
L1-E57-C014	IAAP144589					Wall BC 2 & 3				0.13	0.25	U	
L1-E57-C015	IAAP144590					Wall BC 1 & 2				0.13	0.25	U	

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	1,3-DNB		
											Result	DL	VQ
L1-E58-C008	IAAP151730						EU5	Q	58	Wall BC 18, 19, & 20	0.13	0.25	U
L1-E58-C009	IAAP151731									Wall BC 16, 17, & 18	0.13	0.24	U
L1-E58-C010	IAAP151732									Wall BC 6, 7, 8, & 9	0.12	0.23	U
L1-E58-C011	IAAP151733									Wall BC 9, 10, 11, & 12	0.12	0.24	U
L1-E58-C013	IAAP151735									Wall BC 12 & 13	0.12	0.24	U
L1-E58-C014	IAAP151736									Floor BC 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 16, 17, 18, 19, & 20	0.12	0.24	U
L1-E58-C015	IAAP151737									Wall BC 15 & 16	0.12	0.23	U
L1-E58-C016	IAAP151738									Wall BC 13 & 14	0.12	0.23	U
L1-E58-C017	IAAP151739									Wall BC 14 & 15	0.12	0.22	U
L1-E58-C018	IAAP151740									Floor BC 13, 14, 15, & 16	0.11	0.22	U
L1-E58-C022-P2	IAAP165446									Floor 21, 22, 23, 36, 37, 38, 31, 32, 34, & 35	0.11	0.25	U
L1-E58-C023-P3	IAAP165496									Wall BC 25 & 26	0.13	0.25	U
L1-E58-C028	IAAP157270									Wall BC 33 & 63	0.13	0.25	U
L1-E58-C029	IAAP157271									Wall BC 32 & 63	0.13	0.24	U
L1-E58-C030-P4	IAAP166001									Floor BC 26, 27, 28, 29, 30, 31, & 38	0.12	0.25	U
L1-E58-C031-P3	IAAP165556									Wall BC 26, 27, & 28	0.13	0.25	U
L1-E58-C032	IAAP157274									Wall BC 61 & 62	0.13	0.24	U
L1-E58-C034	IAAP157278									Wall BC 21 & 22	0.12	0.23	U
L1-E58-C035-P2	IAAP165445									Wall BC 21, 35, & 34	0.12	0.25	U
L1-E58-C036	IAAP165451									Wall BC 29, 30, 31, & 32	0.13	0.25	U
L1-E58-C037	IAAP165495									Wall BC 22, 23, 24 & 25	0.13	0.25	U
L1-E58-C038	IAAP165497									Floor BC 23, 24, 25, 26, 37, & 36	0.13	0.25	U
L1-E58-C039	IAAP166000									Wall BC 28 & 29	0.13	0.25	U
L1-E58-C040	IAAP166002									Wall BC 45, 46, 47, & 48	0.13	0.25	U
L1-E58-C043	IAAP166003									Floor BC 40, 41, 42, 43, 44, 45, 46, 47, & 48	0.13	0.25	U
L1-E58-C044	IAAP166004									Wall BC 40, 41, 42, & 43	0.13	0.25	U
L1-E58-C045-P2	IAAP166379									Wall 55, 56, 57, 58, 59 & 60	0.13	0.25	U
L1-E58-C046-P3	IAAP167012									Floor 50, 51, 52, 53, 54, 55, 56, 57, 58, 59 & 60	0.13	0.25	U
L1-E58-C047	IAAP166009									Wall 50, 51, 52, 53, 54, & 55	0.13	0.25	U
L1-E58-C048	IAAP167013									Wall BC 52 & 53	0.13	0.25	U
L1-E58-C049	IAAP167014						Wall BC 55, 56, & 57	0.13	0.25	U			
L1-E58-C001	IAAP150654						EU5	Q North	58	Wall BC 1 & 2	0.13	0.25	U
L1-E58-C002	IAAP150655									Wall BC 3 & 4	0.13	0.25	U
L1-E58-C003	IAAP150657									Floor BC 1, 2, 3, & 4	0.13	0.25	U
L1-E58-C004	IAAP150658									Wall BC 2 & 3	0.13	0.25	U
L1-E58-C005	IAAP150656									Wall BC 1 & 4	0.13	0.25	U

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	1,3-DNB		
											Result	DL	VQ
L1-E23-C009	IAAP137935						EU6	A	23	north wall BC7, 8, 9, 10, 11, and 12	0.13	0.25	U
L1-E23-C010-P2	IAAP138635					south wall BC 1, 2, 3, and 4				0.13	0.25	U	
L1-E23-C011	IAAP137937					west wall BC 4, 5, 6, and 7				0.13	0.25	U	
L1-E23-C012	IAAP137938					floor of EXC				0.13	0.25	U	
L1-E47-C001	IAAP138781						EU6	B	47	floor of EXC	0.13	0.25	U
L1-E47-C002	IAAP138782					north wall BC 9, 10, 11, 12, and 1				0.13	0.25	U	
L1-E47-C003	IAAP138783					east wall BC 1, 2, and 3				0.13	0.25	U	
L1-E47-C004	IAAP138784					south wall BC 3, 4, 5, 6, and 7				0.13	0.25	U	
L1-E47-C005	IAAP138785					west wall BC 7, 8, and 9				0.13	0.25	U	
L1-E49-C001	IAAP138902						EU6	C	49	Floor BC 40, 41, 42, and 43	0.13	0.25	U
L1-E49-F001	IAAP138917					Wall BC 42 and 43				0.13	0.25	U	
L1-E49-C002	IAAP139501					Floor BC 36, 37, 38, and 39				0.13	0.25	U	
L1-E49-C003	IAAP139502					Wall BC 36 and 39				0.13	0.25	U	
L1-E49-C004	IAAP139828					Wall BC 31, 32, and 33				0.13	0.25	U	
L1-E49-C005-P2	IAAP140363					Wall BC 20, 22, 23, 24, 25, 26, 27, 30, and 31				0.13	0.25	U	
L1-E49-C006	IAAP139830					Wall BC 1, 2, 3, 4, 5, 6, 7, and 8				0.13	0.25	U	
L1-E49-C009	IAAP139831					Floor BC 1, 2, 3, 4, 5, 6, 7, 8, 29, 28, 27, 30, 31, 32, 33, 34, and 35				0.13	0.25	U	
L1-E49-C010-P2	IAAP140362					Floor BC 8, 9, 10, 11, 12, 21, 20, 22, 23, 24, 25, 26, 27, 28, and 29				0.13	0.25	U	
L1-E49-C011	IAAP139833					Wall BC 8, 9, 10, 11, and 12				0.13	0.25	U	
L1-E49-C012	IAAP139991					Wall BC 18, 19, and 20				0.13	0.25	U	
L1-E49-C013	IAAP139992					Wall BC 12, 13, 14, and 15				0.13	0.25	U	
L1-E49-C014	IAAP139993					Wall BC 15, 16, 17, and 18				0.13	0.25	U	
L1-E49-C015	IAAP139994					Floor BC 12, 13, 14, 15, 16, 17, 18, 19, 20, and 21				0.13	0.25	U	
L1-E51-C001	IAAP139117									EU6	D	51	Wall BC 1, 2, 3, and 4
L1-E51-C004	IAAP139118					Wall BC 4, 5, 6, and 7	0.13	0.25	U				
L1-E51-C005	IAAP139119					Wall BC 7, 8, and 9	0.13	0.25	U				
L1-E51-C006	IAAP139120					Wall BC 9, 10, and 1	0.13	0.25	U				
L1-E51-C007	IAAP139121					Floor BC 1, 2, 3, 4, 5, 6, 7, 8, 9, and 10	0.13	0.25	U				

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	1,3-DNB		
											Result	DL	VQ
L1-E24/25-C001	IAAP132628						EU7	A & B	24 & 25	Floor BC 20, 21, 22 & 23	0.13	0.25	U
L1-E24/25-C002	IAAP132629					Floor BC 13, 14, 15, 16, 17, 18, 19, 20, 23, & 24				0.13	0.25	U	
L1-E24/25-C003	IAAP132630					Floor BC 24, 26, 27, 28, 29, & 25				0.13	0.25	U	
L1-E24/25-C004	IAAP132631					Floor BC 11, 12, 13, 24, 25, & 29				0.13	0.25	U	
L1-E24/25-C005	IAAP132632					Floor BC 30, 53, 54, & 31				0.13	0.25	U	
L1-E24/25-C006	IAAP132633					Floor BC 8, 9, 10, 11, 29, 30, 31, & 32				0.13	0.25	U	
L1-E24/25-C009-P2	IAAP133094					Wall BC 17, 18, 19, & 20				0.13	0.25	U	
L1-E24/25-C010	IAAP132635					Wall BC 8, 9, 10, 11, 12, 13, 14, 15, 16, & 17				0.13	0.25	U	
L1-E24/25-C011	IAAP132636					Floor BC 1, 2, 3, 4, 5, 6, 44, 36, 37, 38, 39, 40, 41, 42, & 43				0.13	0.25	U	
L1-E24/25-C012	IAAP131881					Floor BC 6, 7, 8, 32, 33, 34, 46, 45, 36, & 44				0.13	0.25	U	
L1-E24/25-C013	IAAP131882					Wall BC 40, 41, 42, 43, & 1				0.13	0.25	U	
L1-E24/25-C014	IAAP131883					Wall BC 32 & 33				0.13	0.25	U	
L1-E24/25-C015	IAAP131884					Wall BC 2, 3, 4, 5, 6, 7, & 8				0.13	0.25	U	
L1-E24/25-C016-P2	IAAP133095					Wall BC 36, 37, 38, 39, & 40				0.13	0.25	U	
L1-E24/25-C017-P2	IAAP133096					Wall BC 33 & 34				0.13	0.25	U	
L1-E24/25-C018	IAAP140465					Wall BC 45, 36, 35, 52, & 51				0.13	0.25	U	
L1-E24/25-C021	IAAP140466					Wall BC 48 & 49				0.13	0.25	U	
L1-E24/25-C022	IAAP140467					Wall BC 46, 34, 47, & 48				0.13	0.25	U	
L1-E24/25-C023	IAAP140468					Wall BC 49, 50, & 51				0.13	0.25	U	
L1-E24/25-C024	IAAP140469					Floor BC 35, 34, 47, 48, 49, 50, 51, & 52				0.13	0.25	U	
L1-E24/25-C025-P2	IAAP141196					Floor BC 34, 35, 45, & 46				0.13	0.25	U	

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	1,3-DNB		
											Result	DL	VQ
L1-E24/25-CO26	IAAP151199						EU7	A & B North	24 & 25	Wall BC 24 & 25	0.13	0.23	U
L1-E24/25-CO27	IAAP151200					Wall BC 22, 23, & 24				0.12	0.24	U	
L1-E24/25-CO28	IAAP151201					Wall BC 25, 26, 27, & 28				0.12	0.25	U	
L1-E24/25-CO29	IAAP151202					Floor BC 22, 23 24, 25, 26, 27, & 28				0.13	0.25	U	
L1-E24/25-C031	IAAP151488					Floor BC 3, 4, 5, 10, 11 12 13, 14, & 15				0.13	0.25	U	
L1-E24/25-C032	IAAP151489					Wall BC 4 & 5				0.13	0.23	U	
L1-E24/25-C033	IAAP151490					Wall BC 20 & 21				0.12	0.24	U	
L1-E24/25-C034	IAAP151491					Wall BC 19 & 20				0.12	0.25	U	
L1-E24/25-C036	IAAP151493					Wall BC 17 & 18				0.13	0.25	U	
L1-E24/25-C037	IAAP151494					Wall BC 3 & 4				0.13	0.24	U	
L1-E24/25-C040	IAAP151495					Ramp BC 1, 2, 3, 15, & 16				0.12	0.25	U	
L1-E24/25-C041	IAAP151496					Wall BC 2 & 3				0.13	0.25	U	
L1-E24/25-C043	IAAP151498					Wall BC 12, 13, 14, & 15				0.13	0.24	U	
L1-E24/25-C044	IAAP151499					Wall BC 11 & 12				0.12	0.25	U	
L1-E24/25-C030-P2	IAAP151698					Floor BC 17, 18, 19, 20, & 21				0.13	0.25	U	
L1-E24/25-C035-P2	IAAP151697					Wall BC 18 & 19				0.13	0.25	U	
L1-E24/25-C042-P2	IAAP151699					Wall BC 1, 16 & 15				0.13	0.24	U	
L1-E24/25-C045	IAAP151700					Wall BC 8, 9, 10, & 11				0.12	0.24	U	
L1-E24/25-C046	IAAP151701					Ramp BC 5, 6, 7, 8, 9, & 10				0.12	0.24	U	
L1-E24/25-C049	IAAP151702					Wall BC 5 & 6				0.12	0.25	U	
L1-E24/25-C050	IAAP151703					Wall BC 6 & 7	0.13	0.25	U				
L1-E26-C001	IAAP112372						EU7	C	26	north wall BC 1 and 4	0.13	0.32	U
L1-E26-C002	IAAP112373					east wall BC 1 and 2				0.16	0.33	U	
L1-E26-C003	IAAP112374					south wall BC 2 and 3				0.17	0.31	U	
L1-E26-C004	IAAP112375					west wall BC 3 and 4				0.16	0.32	U	
L1-E26-C005	IAAP112376					floor of EXC				0.16	0.34	U	
L1-E27-C001-P3	IAAP138933						EU7	D	27	Wall BC 18 and 19	0.17	0.25	U
L1-E27-C003-P4	IAAP139431					Wall BC 5, 21, and 11 & Wall BC 6, 7, and 8				0.17	0.25	U	
L1-E27-C004-P3	IAAP138936					Wall BC 8, 9, 10, 11 and 12 & BC 13 and 14 & BC 17 and 18				0.13	0.25	U	
L1-E27-C005-P3	IAAP138937					Floor BC 11, 12, 13, 14, 15, 16, 17, 18, 19, and 21				0.13	0.25	U	
L1-E27-C009	IAAP138935					Wall BC 19 and 21				0.13	0.25	U	
L1-E27-C010-P2	IAAP139428					Wall BC 2, 3, 4, 5, and 6				0.13	0.25	U	
L1-E27-C011-P2	IAAP139429					Floor BC 3, 4, 5, 21, and 19				0.13	0.25	U	
L1-E27-C012	IAAP139430					Ramp BC 1, 2, 3, 19, and 20				0.13	0.25	U	
L1-E27-C013	IAAP139432					Floor BC 5, 6, 7, 8, 10, 11, and 21				0.13	0.25	U	
L1-E27-C014	IAAP139433					Wall BC 14, 15, 16, and 17				0.13	0.25	U	
L1-E27-C015	IAAP139434					Wall BC 12 and 13				0.13	0.25	U	
L1-E27-C016	IAAP140304					Boreholes west of steam line				0.13	0.25	U	

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	1,3-DNB		
											Result	DL	VQ
L1-E53-C001	IAAP139789						EU7	E	53	Wall BC 37, 38, 39, 40, 41, & 42	0.13	0.25	U
L1-E53-C002	IAAP139825									Wall BC 42 & 43	0.13	0.25	U
L1-E53-C003	IAAP139826									Wall BC 37, 53, 52, & 51	0.13	0.25	U
L1-E53-C004	IAAP139827									Floor BC 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, & 53	0.13	0.25	U
L1-E53-C005-P2	IAAP146016									Wall BC 2 & 3	0.13	0.25	U
L1-E53-C006	IAAP144924									Wall BC 3 & 4	0.13	0.25	U
L1-E53-C007	IAAP144925									Wall BC 4, 5, & 6	0.13	0.25	U
L1-E53-C008-P2	IAAP146017									Wall BC 6 & 7	0.13	0.25	U
L1-E53-C009-P2	IAAP146018									Wall BC 7, 8, & 9	0.13	0.25	U
L1-E53-C010	IAAP144928									Wall BC 9 & 10	0.13	0.25	U
L1-E53-C011	IAAP144929									Wall BC 10 & 11	0.13	0.25	U
L1-E53-C012	IAAP144930									Wall BC 11 & 12	0.13	0.25	U
L1-E53-C013	IAAP144931									Wall BC 13 & 14	0.13	0.25	U
L1-E53-C014	IAAP144932									Wall BC 14 & 15	0.13	0.25	U
L1-E53-C015	IAAP144933									Wall BC 17 & 18	0.13	0.25	U
L1-E53-C016	IAAP144934									Wall BC 18, 19, 20, & 21	0.13	0.25	U
L1-E53-C017	IAAP144935									Wall BC 21 & 22	0.13	0.25	U
L1-E53-C018-P2	IAAP146019									Wall BC 29, 30, 1, 2, 50 & 51	0.13	0.25	U
L1-E53-C019-P2	IAAP146020									Floor BC 16, 17, 18, 19, 20, & 36	0.13	0.25	U
L1-E53-C020	IAAP144938									Floor BC 9, 10, 11, 12, 13, 14, & 15	0.13	0.25	U
L1-E53-C023-P2	IAAP146021						Floor BC 1, 6, 7, 8, 9, 16, 36, 20, 21, 22, 29, & 30	0.13	0.25	U			
L1-E53-C024	IAAP144940						Floor BC 1, 2, 3, 4, 5, & 6	0.13	0.25	U			
L1-E53-C025	IAAP145144						Ramp BC 22, 23, 24, 25, 26, 27, 28, & 29	0.13	0.25	U			
L1-E53-C026	IAAP145145						Wall BC 22, 23, 24,& 25	0.13	0.25	U			
L1-E53-C027	IAAP145146						Wall BC 26, 27, 28, & 29	0.13	0.25	U			
L1-E53-C028-P2	IAAP146023						Wall BC 31 & 35	0.13	0.25	U			
L1-E53-C029-P2	IAAP146025						Wall BC 34 & 35	0.13	0.25	U			
L1-E53-C030-P2	IAAP146022						Floor BC 31, 32, 33, 34, & 35	0.13	0.25	U			
L1-E53-C031	IAAP146024						Wall BC 31, 32, & 33	0.13	0.25	U			
L1-E32-C005-P2	IAAP150228						EU9	B	32	Wall BC 5 & 6	0.13	0.25	U
L1-E32-C007-P2	IAAP150232									Floor BC 4, 5, 6, 7, 8,30, 31, & 23	0.13	0.25	U
L1-E32-C0011	IAAP150225									Floor BC 13, 14, 15, 16, 17, & 18	0.13	0.25	U
L1-E32-C0012	IAAP150226									Wall BC 16 & 17	0.13	0.25	U
L1-E32-C001-P3	IAAP150647									Ramp BC 1, 2, 3, 4, 23, 24, 25, 26, 27, 28, & 29	0.13	0.25	U
L1-E32-C006-P3	IAAP150651									Wall BC 22, 31, 23, 24, & 25	0.13	0.25	U
L1-E32-C008-P2	IAAP150650									Floor BC 8, 9, 10, 32, 11, 12, 13 18, 19, 20, 21, 22, 31, & 30	0.13	0.25	U
L1-E32-C013-P2	IAAP150653									Wall BC 32, 11, 12, 13, 14, 15, & 16	0.13	0.25	U
L1-E32-C014	IAAP150648									Wall BC 1, 2, 3, & 4	0.13	0.25	U
L1-E32-C015	IAAP150649									Wall BC 4 & 5	0.13	0.25	U
L1-E32-C016	IAAP150652									Wall BC 18, 19, 20, 21, & 22	0.13	0.25	U

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	1,3-DNB					
											Result	DL	VQ			
L1-E33-C006	IAAP150233						EU9B	C	33	Wall BC 10, 11, & 12	0.13	0.25	U			
L1-E33-C007	IAAP150234					Wall BC 8, 9, & 10				0.13	0.25	U				
L1-E33-C008	IAAP150235					Floor BC 9, 10, 11, 12, 13, 14, 15, 30, 16, 17, 18, & 22				0.13	0.25	U				
L1-E33-C009	IAAP150236					Floor BC 7, 8, 9, 22, 18, 19, 20, & 21				0.13	0.25	U				
L1-E33-C010	IAAP150237					Wall BC 30, 16, 17, & 18				0.13	0.25	U				
L1-E32-C011-P2	IAAP150667					Wall BC 18, 19, 20, 26, 27, & 4				0.13	0.25	U				
L1-E32-C012	IAAP150659					Floor BC 1, 2, 3, 4, 29, 5, & 6				0.13	0.25	U				
L1-E32-C013	IAAP150660					Wall BC 1, 6, 5, & 29				0.13	0.25	U				
L1-E32-C015	IAAP150662					Wall BC 4 & 29				0.13	0.25	U				
L1-E32-C016	IAAP150663					Wall BC 3 & 23				0.13	0.25	U				
L1-E32-C017	IAAP150664					Wall 24, 25, & 26				0.13	0.25	U				
L1-E32-C018	IAAP150665					Wall 3, 28, & 27				0.13	0.25	U				
L1-E32-C019	IAAP150666					Floor BC 3, 23, 24, 25, 26, 27, & 28				0.13	0.25	U				
L1-E33-C020-P2	IAAP151144					Wall BC 8, 7, 24 & 23				0.13	0.25	U				
L1-E33-C023	IAAP151197					Wall BC 2 & 3				0.13	0.24	U				
L1-E33-C024	IAAP151198					Wall BC 1 & 2				0.13	0.24	U				
L1-E52-C001	IAAP139785									EU9B	D	52	East Wall BC 6, 7, & 8	0.12	0.25	U
L1-E52-C002	IAAP139786					South Wall BC 8, 9, 10, 11, 12, 13, & 14							0.12	0.25	U	
L1-E52-C003	IAAP139787					West Wall BC 14, 15, 16, 17, & 18							0.13	0.25	U	
L1-E52-C004	IAAP139788					Floor BC 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, & 22	0.13	0.25	U							
L1-E59-C001	IAAP146026						EU9B	E	59	Floor BC 1, 2, 3, 4, 5, 6, 7, 8, 9, & 10	0.13	0.25	U			
L1-E59-C004	IAAP146027					Wall BC 7, 8, & 9				0.13	0.25	U				
L1-E59-C005-P2	IAAP146245					Wall BC 6 & 7				0.13	0.25	U				
L1-E59-C006	IAAP146029					Wall BC 5 & 6				0.13	0.25	U				
L1-E59-C007	IAAP146030					Wall BC 10, 1, 2, 3, 4, & 5				0.13	0.25	U				
L1-E36-C001	IAAP112472						EU9D	A	36	NE wall BC 1 and 8	0.13	0.3	U			
L1-E36-C002	IAAP112473					SE wall BC 1 and 2; 3, 5, and 6				0.13	0.33	U				
L1-E36-C003	IAAP112474					SW wall BC 2 and 3; 6a and 7				0.15	0.29	U				
L1-E36-C004	IAAP112475					NW wall BC 7 and 8				0.17	0.29	U				
L1-E36-C005	IAAP112476					floor of EXC				0.15	0.29	U				
L1-E37-C001	IAAP112477						EU9D	B	37	NE wall BC 4, 5, 6, and 1	0.15	0.3	U			
L1-E37-C002	IAAP112478					SE wall BC 1 and 2				0.15	0.31	U				
L1-E37-C003	IAAP112479					SW wall BC 2 and 3				0.15	0.3	U				
L1-E37-C004	IAAP112480					NW wall BC 3 and 4				0.16	0.29	U				
L1-E37-C005	IAAP112481					floor of EXC				0.15	0.31	U				

Notes:

Field duplicates removed.

Maximums of dilution and parent results used.

VQ symbols indicate: “=” positive identification, positive quantitation, no reason to estimate, “U” non-detect, no reason to estimate, “J” positive identification, estimated quantitation, “UJ” analyte was not detected and had QC deficiencies.

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	2,4,6-TNT		
											Result	DL	VQ
IAAP100010	IAAP100010	691780.86	93099.7	03/28/07	0	0.5					0.14	0.27	U
IAAP100011	IAAP100011	691787.31	93095.73	03/28/07	0	0.5					0.16	0.32	U
IAAP100012	IAAP100012	691778.68	93098.89	03/29/07	0	0.5					0.18	0.35	U
IAAP100013	IAAP100013	691779.96	93101.82	03/29/07	0	0.5					0.14	0.27	U
IAAP100031	IAAP100031	691727.31	93292.52	03/29/07	0	0.5					0.15	0.3	U
IAAP100034	IAAP100034	691728.18	93296.62	03/29/07	0	0.5					0.16	0.31	U
IAAP100035	IAAP100035	692005.58	92968.44	03/23/07	0	0.5					0.17	0.33	U
IAAP100037	IAAP100037	692014.14	92937.77	03/23/07	0	0.5					0.15	0.3	U
IAAP100038	IAAP100038	692031.34	92874.43	03/23/07	0	0.5					0.19	0.37	U
IAAP100039	IAAP100039	692024.18	92862.93	03/23/07	0	0.5					0.17	0.34	U
IAAP100040	IAAP100040	692000.86	92882.82	03/23/07	0	0.5					0.16	0.32	U
IAAP100041	IAAP100041	691961.46	92932.89	03/23/07	0	0.5					0.15	0.29	U
IAAP100042	IAAP100042	691968.62	92956.24	03/23/07	0	0.5					0.16	0.31	U
IAAP100077	IAAP100077	691941.41	92682.71	04/15/07	0	0.5					0.17	0.33	U
IAAP100080	IAAP100080	691883.53	92828.33	04/16/07	0	0.5					0.16	0.32	U
IAAP100081	IAAP100081	691880.11	92824.77	04/16/07	0	0.5					0.15	0.3	U
IAAP100082	IAAP100082	691846	92975.9	04/12/07	0	0.5					0.16	0.31	U
IAAP100083	IAAP100083	691833.02	92985.13	04/12/07	0	0.5					0.56	0.34	J
IAAP100084	IAAP100084	691817.45	92952.64	04/12/07	0	0.5					0.17	0.33	U
IAAP100085	IAAP100085	691825.93	92962.89	04/12/07	0	0.5					0.19	0.38	U
IAAP100086	IAAP100086	691816.47	92969.84	04/12/07	0	0.5					0.17	0.34	U
IAAP100089	IAAP100089	691777.81	92877.46	04/12/07	0	0.5					0.19	0.38	U
IAAP100090	IAAP100090	691736.11	92729.43	04/12/07	0	0.5					0.18	0.36	U
IAAP100091	IAAP100091	691735.21	92735.25	04/12/07	0	0.5					0.18	0.36	U
IAAP100092	IAAP100092	691738.56	92729.19	04/12/07	0	0.5					0.17	0.34	U
IAAP100093	IAAP100093	691685.73	92756.51	04/12/07	0	0.5					0.21	0.41	U
IAAP100094	IAAP100094	691692.38	92751.73	04/12/07	0	0.5					0.17	0.33	U
IAAP100097	IAAP100097	692027.57	92531.96	04/15/07	0	0.5					0.17	0.34	U
IAAP103929	IAAP103929	691846	92975.9	05/30/07	0	0.5					0.15	0.3	UJ
IAAP103933	IAAP103933	691894.16	92815.81	06/05/07	0	0.5					0.15	0.29	U
IAAP103934	IAAP103934	691888.07	92827.71	06/05/07	0	0.5					0.45	0.33	=
IAAP103935	IAAP103935	691882.21	92826.3	06/05/07	0	0.5					0.16	0.31	U
IAAP103937	IAAP103937	691786	92883	05/30/07	0	0.5					0.90	0.34	J
IAAP103945	IAAP103945	691737.12	92730.82	06/05/07	0	0.5					0.36	0.31	J
IAAP103946	IAAP103946	691713.63	92731.28	06/05/07	0	0.5					0.15	0.3	UJ
IAAP103947	IAAP103947	691671.41	92853.69	05/30/07	0	0.5					0.17	0.33	U
IAAP103955	IAAP103955	691976	92478	06/05/07	1	2					0.16	0.32	UJ
IAAP103955	IAAP103956	691976	92478	06/05/07	2	4					0.16	0.32	UJ
IAAP103960	IAAP103960	692036.54	92387.64	06/05/07	0	0.5					0.17	0.33	U
IAAP103961	IAAP103961	692032.45	92380.16	06/05/07	0	0.5					0.17	0.34	U
IAAP103962	IAAP103962	692031.92	92387.59	05/31/07	0	0.5					0.16	0.32	U
IAAP103966	IAAP103966	692011.9	92389.25	05/31/07	0	0.5					0.16	0.31	U

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	2,4,6-TNT		
											Result	DL	VQ
IAAP103985	IAAP103985	691740.96	92254.55	06/05/07	0	0.5					0.16	0.32	UJ
IAAP103986	IAAP103986	691694.87	92264.54	06/05/07	0	0.5					0.16	0.32	UJ
IAAP100042	IAAP103994	691968.62	92956.24	06/05/07	2	3					0.15	0.29	U
IAAP100041	IAAP103995	691961.46	92932.89	06/05/07	1	2					0.15	0.3	U
IAAP100035	IAAP103996	692005.58	92968.44	06/05/07	1	2					0.15	0.29	U
IAAP105943	IAAP105943	691813	92938	10/16/07	2	4					0.16	0.32	UJ
IAAP105943	IAAP105944	691813	92938	10/16/07	4	6					0.16	0.32	UJ
IAAP105960	IAAP105960	691945.85	92684.41	10/16/07	2	4					0.16	0.31	U
IAAP105962	IAAP105962	691936.3	92683.35	10/16/07	2	4					0.14	0.28	U
IAAP105964	IAAP105964	692019.34	92419.21	10/16/07	1	2					0.15	0.3	U
IAAP96927	IAAP111632	691998.35	92979.48	09/23/08	0	0.5					0.17	0.33	U
IAAP111640	IAAP111640	691877.22	93004.64	09/24/08	0	0.5					0.13	0.26	U
IAAP111641	IAAP111641	691884.21	92997.58	09/24/08	0	0.5					0.14	0.28	U
IAAP111642	IAAP111642	691886.13	92986.85	09/24/08	0	0.5					0.31	0.27	=
IAAP103924	IAAP111643	691875.87	92999.03	09/24/08	1	2					0.16	0.31	U
IAAP111646	IAAP111646	691813.97	92960.93	09/24/08	0	2					0.16	0.31	U
IAAP111646	IAAP111647	691813.97	92960.93	09/24/08	2	4					0.17	0.33	U
IAAP111646	IAAP111648	691813.97	92960.93	09/24/08	4	6					0.16	0.32	U
IAAP100084	IAAP111649	691817.45	92952.64	09/24/08	0.5	2					0.16	0.32	U
IAAP100084	IAAP111650	691817.45	92952.64	09/24/08	2	4					0.16	0.32	U
IAAP100084	IAAP111651	691817.45	92952.64	09/24/08	4	6					0.16	0.32	U
IAAP111652	IAAP111652	691848.62	92980.16	09/24/08	0	1					0.15	0.3	U
IAAP111652	IAAP111653	691848.62	92980.16	09/24/08	1	2					0.16	0.31	U
IAAP111655	IAAP111655	691895.09	92825.42	09/25/08	0	0.5					0.16	0.32	U
IAAP111663	IAAP111663	691685.3	92748	09/23/08	0	0.5					0.18	0.35	U
IAAP111666	IAAP111666	691678.31	92547.43	09/23/08	0	1					0.17	0.33	U
IAAP111666	IAAP111667	691678.31	92547.43	09/23/08	1	2					0.17	0.33	U
IAAP111666	IAAP111668	691678.31	92547.43	09/23/08	2	4					0.16	0.32	U
IAAP111670	IAAP111670	691927.99	92676.85	09/23/08	0	2					0.16	0.31	U
IAAP111670	IAAP111671	691927.99	92676.85	09/23/08	2	4					0.15	0.29	U
IAAP111672	IAAP111672	691939.08	92675.99	09/23/08	0	2					0.16	0.31	U
IAAP111672	IAAP111673	691939.08	92675.99	09/23/08	2	4					0.16	0.31	U
IAAP111679	IAAP111679	692014	92397	09/23/08	0	1					0.17	0.34	U
IAAP111679	IAAP111680	692014	92397	09/23/08	1	2					0.17	0.33	U
IAAP111681	IAAP111681	692018.19	92383.4	09/23/08	0	1					0.17	0.33	U
IAAP111681	IAAP111682	692018.19	92383.4	09/23/08	1	2					0.17	0.33	U
IAAP111721	IAAP111721	691752.34	92256.02	09/22/08	0	0.5					0.15	0.3	U
IAAP111722	IAAP111722	691750.74	92261.62	09/22/08	0	0.5					0.15	0.3	U
IAAP130287	IAAP130287	691817.89	92964.9	09/07/10	9.9	10.4					0.13	0.25	U
IAAP130287	IAAP130288	691817.89	92964.9	09/07/10	11	12					0.13	0.25	U

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	2,4,6-TNT		
											Result	DL	VQ
IAAP130287	IAAP130289	691817.89	92964.9	09/07/10	12	13					0.13	0.25	U
IAAP97020	IAAP130333	691695	92744	09/09/10	1	2					0.13	0.25	U
IAAP97020	IAAP130334	691695	92744	09/09/10	2	3					0.13	0.25	U
IAAP97020	IAAP130335	691695	92744	09/09/10	3	4					0.13	0.25	U
IAAP97020	IAAP130336	691695	92744	09/09/10	4	5					0.13	0.25	U
IAAP97020	IAAP130337	691695	92744	09/09/10	5	6					0.13	0.25	U
IAAP97020	IAAP130338	691695	92744	09/09/10	6	7					0.13	0.25	U
IAAP97020	IAAP130339	691695	92744	09/09/10	7	8					0.13	0.25	U
IAAP97020	IAAP130340	691695	92744	09/09/10	8	9					0.13	0.25	U
IAAP130342	IAAP130342	691691	92737	09/09/10	0	1					0.13	0.25	U
IAAP130342	IAAP130343	691691	92737	09/09/10	1	2					0.13	0.25	U
IAAP130342	IAAP130344	691691	92737	09/09/10	2	3					0.13	0.25	U
IAAP130342	IAAP130345	691691	92737	09/09/10	3	4					0.13	0.25	U
IAAP130342	IAAP130346	691691	92737	09/09/10	4	5					0.13	0.25	U
IAAP130342	IAAP130347	691691	92737	09/09/10	5	6					0.13	0.25	U
IAAP130342	IAAP130348	691691	92737	09/09/10	6	7					0.13	0.25	U
IAAP130342	IAAP130349	691691	92737	09/09/10	7	8					0.13	0.25	U
IAAP130342	IAAP130350	691691	92737	09/09/10	8	9					0.13	0.25	U
IAAP130342	IAAP130351	691691	92737	09/09/10	9	10					0.13	0.25	U
IAAP97029	IAAP130367	691930	92683	09/08/10	1	2					0.13	0.25	U
IAAP97029	IAAP130368	691930	92683	09/08/10	2	3					0.13	0.25	U
IAAP97029	IAAP130369	691930	92683	09/08/10	3	4					0.13	0.25	U
IAAP97029	IAAP130370	691930	92683	09/08/10	4	5					0.13	0.25	U
IAAP97029	IAAP130371	691930	92683	09/08/10	5	6					0.13	0.25	U
IAAP97029	IAAP130372	691930	92683	09/08/10	6	7					0.13	0.25	U
IAAP97029	IAAP130373	691930	92683	09/08/10	7	8					0.13	0.25	U
IAAP111670	IAAP130374	691927.99	92676.85	09/14/10	4	5					0.13	0.25	U
IAAP111670	IAAP130375	691927.99	92676.85	09/14/10	5	6					0.13	0.25	U
IAAP111670	IAAP130376	691927.99	92676.85	09/14/10	6	7					0.13	0.25	U
IAAP111670	IAAP130377	691927.99	92676.85	09/14/10	7	8					0.13	0.25	U
IAAP105964	IAAP130414	692019.34	92419.21	09/09/10	0	1					0.13	0.25	U
IAAP105964	IAAP130415	692019.34	92419.21	09/09/10	2	3					0.13	0.25	U
IAAP105964	IAAP130416	692019.34	92419.21	09/09/10	3	4					0.13	0.25	U
IAAP105964	IAAP130417	692019.34	92419.21	09/09/10	4	5					0.13	0.25	U
IAAP105964	IAAP130418	692019.34	92419.21	09/09/10	5	6					0.13	0.25	U
IAAP105964	IAAP130419	692019.34	92419.21	09/09/10	6	7					0.13	0.25	U
IAAP105964	IAAP130420	692019.34	92419.21	09/09/10	7	8					0.13	0.25	U
IAAP105964	IAAP130421	692019.34	92419.21	09/09/10	8	9					0.13	0.25	U
IAAP130422	IAAP130430	692016.33	92408.51	09/13/10	8	9					0.00		
IAAP99934	IAAP130431	692030.09	92396.58	09/08/10	2	3					0.13	0.25	U

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	2,4,6-TNT		
											Result	DL	VQ
IAAP99934	IAAP130432	692030.09	92396.58	09/08/10	3	4					0.13	0.25	U
IAAP99934	IAAP130433	692030.09	92396.58	09/08/10	4	5					0.13	0.25	U
IAAP99934	IAAP130434	692030.09	92396.58	09/08/10	5	6					0.13	0.25	U
IAAP99934	IAAP130435	692030.09	92396.58	09/08/10	6	7					0.13	0.25	U
IAAP130436	IAAP130436	692033.78	92397.78	09/08/10	0	1					0.13	0.25	U
IAAP130436	IAAP130437	692033.78	92397.78	09/08/10	1	2					0.13	0.25	U
IAAP130436	IAAP130438	692033.78	92397.78	09/08/10	2	3					0.13	0.25	U
IAAP130436	IAAP130439	692033.78	92397.78	09/08/10	3	4					0.13	0.25	U
IAAP130436	IAAP130440	692033.78	92397.78	09/08/10	4	5					0.13	0.25	U
IAAP130436	IAAP130441	692033.78	92397.78	09/08/10	5	6					0.13	0.25	U
IAAP130436	IAAP130442	692033.78	92397.78	09/08/10	6	7					0.13	0.25	U
IAAP130461	IAAP130461	692011.4	92416.21	09/13/10	0	1					0.13	0.25	U
IAAP130461	IAAP130462	692011.4	92416.21	09/13/10	1	2					0.13	0.25	U
IAAP130461	IAAP130463	692011.4	92416.21	09/13/10	2	3					0.13	0.25	U
IAAP130461	IAAP130464	692011.4	92416.21	09/13/10	3	4					0.13	0.25	U
IAAP130461	IAAP130465	692011.4	92416.21	09/13/10	4	5					0.13	0.25	U
IAAP130461	IAAP130466	692011.4	92416.21	09/13/10	5	6					0.13	0.25	U
IAAP130461	IAAP130467	692011.4	92416.21	09/13/10	6	7					0.13	0.25	U
IAAP130461	IAAP130468	692011.4	92416.21	09/13/10	7	8					0.13	0.25	U
IAAP130461	IAAP130469	692011.4	92416.21	09/13/10	8	9					0.13	0.25	U
IAAP132548	IAAP132548	691985.39	92461.61	12/07/10	0	1					0.09	0.25	J
IAAP132548	IAAP132549	691985.39	92461.61	12/07/10	1	2					0.26	0.25	=
IAAP132548	IAAP132550	691985.39	92461.61	12/07/10	2	3					0.13	0.25	U
IAAP132548	IAAP132551	691985.39	92461.61	12/07/10	3	4					0.14	0.25	J
IAAP132548	IAAP132552	691985.39	92461.61	12/07/10	4	5					0.09	0.25	J
IAAP132548	IAAP132553	691985.39	92461.61	12/07/10	5	6					0.07	0.25	J
IAAP132554	IAAP132554	692017.39	92419.47	12/08/10	0	1					0.04	0.25	J
IAAP132554	IAAP132555	692017.39	92419.47	12/08/10	1	2					0.13	0.25	U
IAAP132554	IAAP132556	692017.39	92419.47	12/08/10	2	3					0.13	0.25	U
IAAP132554	IAAP132557	692017.39	92419.47	12/08/10	3	4					0.13	0.25	U
IAAP132554	IAAP132558	692017.39	92419.47	12/08/10	4	5					0.13	0.25	U
IAAP132554	IAAP132559	692017.39	92419.47	12/08/10	5	6					0.13	0.25	U
IAAP132560	IAAP132560	692009.98	92408.8	12/07/10	0	1					0.06	0.25	J
IAAP132560	IAAP132561	692009.98	92408.8	12/07/10	1	2					0.19	0.25	J
IAAP132560	IAAP132562	692009.98	92408.8	12/07/10	2	3					0.22	0.25	J
IAAP132560	IAAP132563	692009.98	92408.8	12/07/10	3	4					0.13	0.25	U
IAAP132560	IAAP132564	692009.98	92408.8	12/07/10	4	5					0.13	0.25	U
IAAP132560	IAAP132565	692009.98	92408.8	12/07/10	5	6					0.13	0.25	U
IAAP132566	IAAP132566	692020.12	92377.24	12/07/10	0	1					0.14	0.25	J
IAAP132566	IAAP132567	692020.12	92377.24	12/07/10	1	2					0.13	0.25	U

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	2,4,6-TNT		
											Result	DL	VQ
IAAP132566	IAAP132568	692020.12	92377.24	12/07/10	2	3					0.13	0.25	U
IAAP132566	IAAP132569	692020.12	92377.24	12/07/10	3	4					0.13	0.25	U
IAAP132566	IAAP132570	692020.12	92377.24	12/07/10	4	5					0.13	0.25	U
IAAP132566	IAAP132571	692020.12	92377.24	12/07/10	5	6					0.13	0.25	U
IAAP132584	IAAP132584	691993.3	92446.6	12/07/10	0	1					0.13	0.25	U
IAAP132584	IAAP132585	691993.3	92446.6	12/07/10	1	2					0.06	0.25	J
IAAP132584	IAAP132586	691993.3	92446.6	12/07/10	2	3					0.13	0.25	U
IAAP132584	IAAP132587	691993.3	92446.6	12/07/10	3	4					0.13	0.25	U
IAAP132584	IAAP132588	691993.3	92446.6	12/07/10	4	5					0.13	0.25	U
IAAP132584	IAAP132589	691993.3	92446.6	12/07/10	5	6					0.23	0.25	J
IAAP132590	IAAP132590	692004.8	92423.59	12/07/10	0	1					0.13	0.25	U
IAAP132590	IAAP132591	692004.8	92423.59	12/07/10	1	2					0.13	0.25	U
IAAP132590	IAAP132592	692004.8	92423.59	12/07/10	2	3					0.13	0.25	U
IAAP132590	IAAP132593	692004.8	92423.59	12/07/10	3	4					0.13	0.25	U
IAAP132590	IAAP132594	692004.8	92423.59	12/07/10	4	5					0.13	0.25	U
IAAP132590	IAAP132595	692004.8	92423.59	12/07/10	5	6					0.13	0.25	U
IAAP132602	IAAP132602	692021.1	92375.6	12/08/10	0	1					0.11	0.25	J
IAAP132602	IAAP132603	692021.1	92375.6	12/08/10	1	2					0.13	0.25	U
IAAP132602	IAAP132604	692021.1	92375.6	12/08/10	2	3					0.13	0.25	U
IAAP132602	IAAP132605	692021.1	92375.6	12/08/10	3	4					0.13	0.25	U
IAAP132602	IAAP132606	692021.1	92375.6	12/08/10	4	5					0.13	0.25	U
IAAP132602	IAAP132607	692021.1	92375.6	12/08/10	5	6					0.13	0.25	U
IAAP132608	IAAP132608	692034.8	92362.03	12/08/10	0	1					0.13	0.25	U
IAAP132608	IAAP132609	692034.8	92362.03	12/08/10	1	2					0.13	0.25	U
IAAP132608	IAAP132610	692034.8	92362.03	12/08/10	2	3					0.13	0.25	U
IAAP132608	IAAP132611	692034.8	92362.03	12/08/10	3	4					0.13	0.25	U
IAAP132608	IAAP132612	692034.8	92362.03	12/08/10	4	5					0.13	0.25	U
IAAP132608	IAAP132613	692034.8	92362.03	12/08/10	5	6					0.13	0.25	U
IAAP132560	IAAP132614	692009.98	92408.8	12/07/10	6.4	6.6					0.13	0.25	U
IAAP132590	IAAP132616	692004.8	92423.59	12/07/10	8.5	8.6					0.13	0.25	U
IAAP132602	IAAP132618	692021.1	92375.6	12/08/10	9.5	10					0.13	0.25	U
IAAP133133	IAAP133133	691985.5	92460.74	12/08/10	0	1					0.13	0.25	U
IAAP133133	IAAP133134	691985.5	92460.74	12/08/10	1	2					0.50	0.25	=
IAAP133133	IAAP133135	691985.5	92460.74	12/08/10	2	3					0.13	0.25	U
IAAP135624	IAAP135624	691980.88	92492.22	04/12/11	0	1					0.13	0.25	U
IAAP135624	IAAP135625	691980.88	92492.22	04/12/11	1	2					0.13	0.25	U
IAAP135624	IAAP135626	691980.88	92492.22	04/12/11	2	3					0.13	0.25	U
IAAP135624	IAAP135627	691980.88	92492.22	04/12/11	3	4					0.13	0.25	U
IAAP135624	IAAP135628	691980.88	92492.22	04/12/11	4	5					0.13	0.25	U
IAAP135624	IAAP135629	691980.88	92492.22	04/12/11	5	6					0.13	0.25	U

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	2,4,6-TNT		
											Result	DL	VQ
IAAP135630	IAAP135630	691983.2	92499.09	04/12/11	0	1					0.13	0.25	U
IAAP135630	IAAP135631	691983.2	92499.09	04/12/11	1	2					0.13	0.25	U
IAAP135630	IAAP135632	691983.2	92499.09	04/12/11	2	3					0.13	0.25	U
IAAP135630	IAAP135633	691983.2	92499.09	04/12/11	3	4					0.13	0.25	U
IAAP135630	IAAP135634	691983.2	92499.09	04/12/11	4	5					0.13	0.25	U
IAAP135630	IAAP135635	691983.2	92499.09	04/12/11	5	6					0.13	0.25	U
IAAP135642	IAAP135642	691979	92523.18	04/12/11	0	1					0.13	0.25	U
IAAP135642	IAAP135643	691979	92523.18	04/12/11	1	2					0.13	0.25	U
IAAP135642	IAAP135644	691979	92523.18	04/12/11	2	3					0.13	0.25	U
IAAP135642	IAAP135645	691979	92523.18	04/12/11	3	4					0.13	0.25	U
IAAP135642	IAAP135646	691979	92523.18	04/12/11	4	5					0.13	0.25	U
IAAP135642	IAAP135647	691979	92523.18	04/12/11	5	6					0.13	0.25	U
IAAP135648	IAAP135648	691977.06	92526.48	04/12/11	0	1					0.13	0.25	U
IAAP135648	IAAP135649	691977.06	92526.48	04/12/11	1	2					0.13	0.25	U
IAAP135648	IAAP135650	691977.06	92526.48	04/12/11	2	3					0.13	0.25	U
IAAP135648	IAAP135651	691977.06	92526.48	04/12/11	3	4					0.13	0.25	U
IAAP135648	IAAP135652	691977.06	92526.48	04/12/11	4	5					0.13	0.25	U
IAAP135648	IAAP135653	691977.06	92526.48	04/12/11	5	6					0.13	0.25	U
IAAP135672	IAAP135672	691966.97	92559.46	04/13/11	0	1					0.13	0.25	U
IAAP135672	IAAP135673	691966.97	92559.46	04/13/11	1	2					0.13	0.25	U
IAAP135672	IAAP135674	691966.97	92559.46	04/13/11	2	3					0.13	0.25	U
IAAP135672	IAAP135675	691966.97	92559.46	04/13/11	3	4					0.13	0.25	U
IAAP135672	IAAP135676	691966.97	92559.46	04/13/11	4	5					0.13	0.25	U
IAAP135672	IAAP135677	691966.97	92559.46	04/13/11	5	6					0.13	0.25	U
IAAP135678	IAAP135678	691962.25	92572.14	04/13/11	0	1					0.38	0.25	=
IAAP135678	IAAP135679	691962.25	92572.14	04/13/11	1	2					0.13	0.25	U
IAAP135678	IAAP135680	691962.25	92572.14	04/13/11	2	3					0.13	0.25	U
IAAP135678	IAAP135681	691962.25	92572.14	04/13/11	3	4					0.13	0.25	U
IAAP135678	IAAP135682	691962.25	92572.14	04/13/11	4	5					0.13	0.25	U
IAAP135678	IAAP135683	691962.25	92572.14	04/13/11	5	6					0.13	0.25	U
IAAP135684	IAAP135684	691961.6	92575.74	04/13/11	0	1					0.13	0.25	U
IAAP135684	IAAP135685	691961.6	92575.74	04/13/11	1	2					0.13	0.25	U
IAAP135684	IAAP135686	691961.6	92575.74	04/13/11	2	3					0.13	0.25	U
IAAP135684	IAAP135687	691961.6	92575.74	04/13/11	3	4					0.13	0.25	U
IAAP135684	IAAP135688	691961.6	92575.74	04/13/11	4	5					0.13	0.25	U
IAAP135684	IAAP135689	691961.6	92575.74	04/13/11	5	6					0.13	0.25	U
IAAP135690	IAAP135690	691957.18	92589.23	04/13/11	0	1					0.13	0.25	U
IAAP135690	IAAP135691	691957.18	92589.23	04/13/11	1	2					0.13	0.25	U
IAAP135690	IAAP135692	691957.18	92589.23	04/13/11	2	3					0.13	0.25	U
IAAP135690	IAAP135693	691957.18	92589.23	04/13/11	3	4					0.13	0.25	U

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	2,4,6-TNT		
											Result	DL	VQ
IAAP135690	IAAP135694	691957.18	92589.23	04/13/11	4	5					0.13	0.25	U
IAAP135690	IAAP135695	691957.18	92589.23	04/13/11	5	6					0.13	0.25	U
IAAP135696	IAAP135696	691953.6	92600.02	04/13/11	0	1					0.13	0.25	U
IAAP135696	IAAP135697	691953.6	92600.02	04/13/11	1	2					0.13	0.25	U
IAAP135696	IAAP135698	691953.6	92600.02	04/13/11	2	3					0.13	0.25	U
IAAP135696	IAAP135699	691953.6	92600.02	04/13/11	3	4					0.13	0.25	U
IAAP135696	IAAP135700	691953.6	92600.02	04/13/11	4	5					0.13	0.25	U
IAAP135696	IAAP135701	691953.6	92600.02	04/13/11	5	6					0.13	0.25	U
IAAP135702	IAAP135702	691943.2	92622.73	04/13/11	0	1					0.13	0.25	U
IAAP135702	IAAP135703	691943.2	92622.73	04/13/11	1	2					0.13	0.25	U
IAAP135702	IAAP135704	691943.2	92622.73	04/13/11	2	3					0.13	0.25	U
IAAP135702	IAAP135705	691943.2	92622.73	04/13/11	3	4					0.13	0.25	U
IAAP135702	IAAP135706	691943.2	92622.73	04/13/11	4	5					0.13	0.25	U
IAAP135702	IAAP135707	691943.2	92622.73	04/13/11	5	6					0.13	0.25	U
IAAP135708	IAAP135708	691942.51	92624.81	04/13/11	0	1					0.13	0.25	U
IAAP135708	IAAP135709	691942.51	92624.81	04/13/11	1	2					0.13	0.25	U
IAAP135708	IAAP135710	691942.51	92624.81	04/13/11	2	3					0.13	0.25	U
IAAP135708	IAAP135711	691942.51	92624.81	04/13/11	3	4					0.13	0.25	U
IAAP135708	IAAP135712	691942.51	92624.81	04/13/11	4	5					0.13	0.25	U
IAAP135708	IAAP135713	691942.51	92624.81	04/13/11	5	6					0.13	0.25	U
IAAP135714	IAAP135714	691941.17	92628.8	04/13/11	0	1					0.13	0.25	U
IAAP135714	IAAP135715	691941.17	92628.8	04/13/11	1	2					0.13	0.25	U
IAAP135714	IAAP135716	691941.17	92628.8	04/13/11	2	3					0.13	0.25	U
IAAP135714	IAAP135717	691941.17	92628.8	04/13/11	3	4					0.13	0.25	U
IAAP135714	IAAP135718	691941.17	92628.8	04/13/11	4	5					0.13	0.25	U
IAAP135714	IAAP135719	691941.17	92628.8	04/13/11	5	6					0.13	0.25	U
IAAP135720	IAAP135720	691939.44	92633.99	04/13/11	0	1					0.13	0.25	U
IAAP135720	IAAP135721	691939.44	92633.99	04/13/11	1	2					0.13	0.25	U
IAAP135720	IAAP135722	691939.44	92633.99	04/13/11	2	3					0.13	0.25	U
IAAP135720	IAAP135723	691939.44	92633.99	04/13/11	3	4					0.13	0.25	U
IAAP135720	IAAP135724	691939.44	92633.99	04/13/11	4	5					0.13	0.25	U
IAAP135720	IAAP135725	691939.44	92633.99	04/13/11	5	6					0.13	0.25	U
IAAP135726	IAAP135726	691938.97	92635.4	04/13/11	0	1					0.13	0.25	U
IAAP135726	IAAP135727	691938.97	92635.4	04/13/11	1	2					0.13	0.25	U
IAAP135726	IAAP135728	691938.97	92635.4	04/13/11	2	3					0.13	0.25	U
IAAP135726	IAAP135729	691938.97	92635.4	04/13/11	3	4					0.13	0.25	U
IAAP135726	IAAP135730	691938.97	92635.4	04/13/11	4	5					0.13	0.25	U
IAAP135726	IAAP135731	691938.97	92635.4	04/13/11	5	6					0.13	0.25	U
IAAP135732	IAAP135732	691935	92647.27	04/13/11	0	1					0.13	0.25	U
IAAP135732	IAAP135733	691935	92647.27	04/13/11	1	2					0.13	0.25	U

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	2,4,6-TNT		
											Result	DL	VQ
IAAP135732	IAAP135734	691935	92647.27	04/13/11	2	3					0.13	0.25	U
IAAP135732	IAAP135735	691935	92647.27	04/13/11	3	4					0.13	0.25	U
IAAP135732	IAAP135736	691935	92647.27	04/13/11	4	5					0.13	0.25	U
IAAP135732	IAAP135737	691935	92647.27	04/13/11	5	6					0.13	0.25	U
IAAP135738	IAAP135738	691931.22	92658.59	04/14/11	0	1					0.13	0.25	U
IAAP135738	IAAP135739	691931.22	92658.59	04/14/11	1	2					0.13	0.25	U
IAAP135738	IAAP135740	691931.22	92658.59	04/14/11	2	3					0.13	0.25	U
IAAP135738	IAAP135741	691931.22	92658.59	04/14/11	3	4					0.25	0.25	J
IAAP135738	IAAP135742	691931.22	92658.59	04/14/11	4	5					0.13	0.25	U
IAAP135738	IAAP135743	691931.22	92658.59	04/14/11	5	6					0.13	0.25	U
IAAP135744	IAAP135744	691926.8	92671.89	04/14/11	0	1					0.05	0.25	J
IAAP135744	IAAP135745	691926.8	92671.89	04/14/11	1	2					0.13	0.25	U
IAAP135744	IAAP135746	691926.8	92671.89	04/14/11	2	3					0.13	0.25	U
IAAP135744	IAAP135747	691926.8	92671.89	04/14/11	3	4					0.13	0.25	U
IAAP135744	IAAP135748	691926.8	92671.89	04/14/11	4	5					0.13	0.25	U
IAAP135744	IAAP135749	691926.8	92671.89	04/14/11	5	6					0.13	0.25	U
IAAP135750	IAAP135750	691925.92	92674.48	04/14/11	0	1					0.42	0.25	=
IAAP135750	IAAP135751	691925.92	92674.48	04/14/11	1	2					0.13	0.25	U
IAAP135750	IAAP135752	691925.92	92674.48	04/14/11	2	3					0.13	0.25	U
IAAP135750	IAAP135753	691925.92	92674.48	04/14/11	3	4					0.13	0.25	U
IAAP135750	IAAP135754	691925.92	92674.48	04/14/11	4	5					0.13	0.25	U
IAAP135750	IAAP135755	691925.92	92674.48	04/14/11	5	6					0.13	0.25	U
IAAP135756	IAAP135756	691923.6	92681.41	04/14/11	0	1					0.13	0.25	U
IAAP135756	IAAP135757	691923.6	92681.41	04/14/11	1	2					0.13	0.25	U
IAAP135756	IAAP135758	691923.6	92681.41	04/14/11	2	3					0.13	0.25	U
IAAP135756	IAAP135759	691923.6	92681.41	04/14/11	3	4					0.13	0.25	U
IAAP135756	IAAP135760	691923.6	92681.41	04/14/11	4	5					0.13	0.25	U
IAAP135756	IAAP135761	691923.6	92681.41	04/14/11	5	6					0.13	0.25	U
IAAP135762	IAAP135762	691918.6	92696.36	04/14/11	0	1					0.13	0.25	U
IAAP135762	IAAP135763	691918.6	92696.36	04/14/11	1	2					0.13	0.25	U
IAAP135762	IAAP135764	691918.6	92696.36	04/14/11	2	3					0.13	0.25	U
IAAP135762	IAAP135765	691918.6	92696.36	04/14/11	3	4					0.13	0.25	U
IAAP135762	IAAP135766	691918.6	92696.36	04/14/11	4	5					0.13	0.25	U
IAAP135762	IAAP135767	691918.6	92696.36	04/14/11	5	6					0.13	0.25	U
IAAP135768	IAAP135768	691912.95	92713.28	04/14/11	0	1					0.13	0.25	U
IAAP135768	IAAP135769	691912.95	92713.28	04/14/11	1	2					0.13	0.25	U
IAAP135768	IAAP135770	691912.95	92713.28	04/14/11	2	3					0.13	0.25	U
IAAP135768	IAAP135771	691912.95	92713.28	04/14/11	3	4					0.13	0.25	U
IAAP135768	IAAP135772	691912.95	92713.28	04/14/11	4	5					0.13	0.25	U
IAAP135768	IAAP135773	691912.95	92713.28	04/14/11	5	6					0.13	0.25	U

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	2,4,6-TNT		
											Result	DL	VQ
IAAP135774	IAAP135774	691910.4	92720.78	04/14/11	0	1					0.13	0.25	U
IAAP135774	IAAP135775	691910.4	92720.78	04/14/11	1	2					0.19	0.25	J
IAAP135774	IAAP135776	691910.4	92720.78	04/14/11	2	3					0.26	0.25	=
IAAP135774	IAAP135777	691910.4	92720.78	04/14/11	3	4					0.13	0.25	U
IAAP135774	IAAP135778	691910.4	92720.78	04/14/11	4	5					0.13	0.25	U
IAAP135774	IAAP135779	691910.4	92720.78	04/14/11	5	6					0.13	0.25	U
IAAP135780	IAAP135780	691914.76	92728.82	04/14/11	0	1					0.09	0.25	J
IAAP135780	IAAP135781	691914.76	92728.82	04/14/11	1	2					0.13	0.25	U
IAAP135780	IAAP135782	691914.76	92728.82	04/14/11	2	3					0.13	0.25	U
IAAP135780	IAAP135783	691914.76	92728.82	04/14/11	3	4					0.13	0.25	U
IAAP135780	IAAP135784	691914.76	92728.82	04/14/11	4	5					0.13	0.25	U
IAAP135780	IAAP135785	691914.76	92728.82	04/14/11	5	6					0.13	0.25	U
IAAP135786	IAAP135786	691924.4	92732.09	04/14/11	0	1					0.13	0.25	U
IAAP135786	IAAP135787	691924.4	92732.09	04/14/11	1	2					0.13	0.25	U
IAAP135786	IAAP135788	691924.4	92732.09	04/14/11	2	3					0.13	0.25	U
IAAP135786	IAAP135789	691924.4	92732.09	04/14/11	3	4					0.13	0.25	U
IAAP135786	IAAP135790	691924.4	92732.09	04/14/11	4	5					0.13	0.25	U
IAAP135630	IAAP135798	691983.2	92499.09	04/12/11	3.5	4					0.13	0.25	U
IAAP135774	IAAP135801	691910.4	92720.78	04/14/11	8.5	8.9					0.13	0.25	U
IAAP136603	IAAP136603	691990.48	93027.37	05/04/11	0	1					0.13	0.25	U
IAAP136603	IAAP136604	691990.48	93027.37	05/04/11	1	2					0.13	0.25	U
IAAP136603	IAAP136607	691990.48	93027.37	05/04/11	4	5					0.13	0.25	U
IAAP136603	IAAP136608	691990.48	93027.37	05/04/11	5	6					0.13	0.25	U
IAAP136615	IAAP136615	692002.23	92440.11	05/04/11	0	1					0.13	0.25	U
IAAP136615	IAAP136616	692002.23	92440.11	05/04/11	1	2					0.13	0.25	U
IAAP136615	IAAP136617	692002.23	92440.11	05/04/11	2	3					0.13	0.25	U
IAAP136615	IAAP136618	692002.23	92440.11	05/04/11	3	4					0.13	0.25	U
IAAP136615	IAAP136619	692002.23	92440.11	05/04/11	4	5					0.13	0.25	U
IAAP136615	IAAP136620	692002.23	92440.11	05/04/11	5	6					0.13	0.25	U
IAAP136621	IAAP136621	692000.16	92433.35	05/03/11	0	1					0.13	0.25	U
IAAP136621	IAAP136622	692000.16	92433.35	05/03/11	1	2					0.13	0.25	U
IAAP136621	IAAP136623	692000.16	92433.35	05/03/11	2	3					0.13	0.25	U
IAAP136621	IAAP136626	692000.16	92433.35	05/03/11	5	6					0.13	0.25	U
IAAP136627	IAAP136627	691984.57	92430.72	05/04/11	0	1					0.13	0.25	U
IAAP136627	IAAP136628	691984.57	92430.72	05/04/11	1	2					0.13	0.25	U
IAAP136627	IAAP136629	691984.57	92430.72	05/04/11	2	3					0.13	0.25	U
IAAP136627	IAAP136630	691984.57	92430.72	05/04/11	3	4					0.13	0.25	U
IAAP136627	IAAP136631	691984.57	92430.72	05/04/11	4	5					0.13	0.25	U
IAAP136627	IAAP136632	691984.57	92430.72	05/04/11	5	6					0.13	0.25	U
IAAP136633	IAAP136633	692028.24	92370.53	05/04/11	0	1					0.58	0.25	=

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	2,4,6-TNT		
											Result	DL	VQ
IAAP136633	IAAP136634	692028.24	92370.53	05/04/11	1	2					0.13	0.25	U
IAAP136633	IAAP136635	692028.24	92370.53	05/04/11	2	3					0.13	0.25	U
IAAP136633	IAAP136636	692028.24	92370.53	05/04/11	3	4					0.13	0.25	U
IAAP136633	IAAP136637	692028.24	92370.53	05/04/11	4	5					0.13	0.25	U
IAAP136633	IAAP136638	692028.24	92370.53	05/04/11	5	6					0.13	0.25	U
IAAP136639	IAAP136639	692028.32	92354.72	05/04/11	0	1					0.13	0.25	U
IAAP136639	IAAP136640	692028.32	92354.72	05/04/11	1	2					0.13	0.25	U
IAAP136639	IAAP136641	692028.32	92354.72	05/04/11	2	3					0.13	0.25	U
IAAP136639	IAAP136642	692028.32	92354.72	05/04/11	3	4					0.13	0.25	U
IAAP136639	IAAP136643	692028.32	92354.72	05/04/11	4	5					0.13	0.25	U
IAAP136639	IAAP136644	692028.32	92354.72	05/04/11	5	6					0.13	0.25	U
IAAP136654	IAAP136654	691990.21	92473.36	05/02/11	5	6					0.13	0.25	U
IAAP136656	IAAP136656	691972.56	92463.97	05/03/11	5	6					0.13	0.25	U
IAAP136658	IAAP136658	692002.51	92428.93	05/04/11	0	1					0.13	0.25	U
IAAP136663	IAAP136663	692014.03	92365.71	05/03/11	5	6					0.13	0.25	U
IAAP136664	IAAP136664	692018.77	92367.32	05/04/11	0	1					0.13	0.25	U
IAAP136664	IAAP136665	692018.77	92367.32	05/04/11	1	2					0.13	0.25	U
IAAP136664	IAAP136666	692018.77	92367.32	05/04/11	2	3					0.13	0.25	U
IAAP136664	IAAP136667	692018.77	92367.32	05/04/11	3	4					0.13	0.25	U
IAAP136664	IAAP136668	692018.77	92367.32	05/04/11	4	5					0.13	0.25	U
IAAP136664	IAAP136669	692018.77	92367.32	05/04/11	5	6					0.13	0.25	U
IAAP136670	IAAP136670	692034.54	92374.38	05/03/11	0	1					0.13	0.25	U
IAAP136670	IAAP136671	692034.54	92374.38	05/03/11	1	2					0.13	0.25	U
IAAP136670	IAAP136672	692034.54	92374.38	05/03/11	2	3					0.13	0.25	U
IAAP136670	IAAP136673	692034.54	92374.38	05/03/11	3	4					0.13	0.25	U
IAAP136670	IAAP136674	692034.54	92374.38	05/03/11	4	5					0.13	0.25	U
IAAP136670	IAAP136675	692034.54	92374.38	05/03/11	5	6					0.13	0.25	U
IAAP136676	IAAP136676	691938	92733.88	05/16/11	0	1					0.13	0.25	U
IAAP136677	IAAP136677	691930.96	92723.63	05/16/11	0	1					0.13	0.25	U
IAAP136678	IAAP136678	691973.09	92556.21	05/18/11	5	6					0.13	0.25	U
IAAP136679	IAAP136679	691958.86	92551.46	05/17/11	0	1					0.13	0.25	U
IAAP136681	IAAP136681	691961.63	92544.56	05/17/11	2	3					0.13	0.25	U
IAAP136682	IAAP136682	691989.82	92522.98	05/17/11	0.5	1.5					0.13	0.25	U
IAAP136683	IAAP136683	691981.92	92515.07	05/18/11	0	1					0.13	0.25	U
IAAP136683	IAAP136684	691981.92	92515.07	05/18/11	4	5					0.13	0.25	U
IAAP136685	IAAP136685	691970.85	92516.65	05/17/11	0	1					0.13	0.25	U
IAAP136686	IAAP136686	691983.5	92510.33	05/17/11	0	1					0.13	0.25	U
IAAP136686	IAAP136687	691983.5	92510.33	05/17/11	1	2					0.13	0.25	U
IAAP136686	IAAP136688	691983.5	92510.33	05/17/11	2	3					0.13	0.25	U
IAAP136686	IAAP136689	691983.5	92510.33	05/17/11	3	4					0.13	0.25	U

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	2,4,6-TNT		
											Result	DL	VQ
IAAP136686	IAAP136690	691983.5	92510.33	05/17/11	4	5					0.13	0.25	U
IAAP136686	IAAP136691	691983.5	92510.33	05/17/11	5	6					0.13	0.25	U
IAAP136775	IAAP136775	691933.21	92732.44	05/18/11	0	1					0.13	0.25	U
IAAP136775	IAAP136776	691933.21	92732.44	05/18/11	1	2					0.13	0.25	U
IAAP136775	IAAP136777	691933.21	92732.44	05/18/11	2	3					0.13	0.25	U
IAAP136775	IAAP136778	691933.21	92732.44	05/18/11	3	4					0.13	0.25	U
IAAP136775	IAAP136779	691933.21	92732.44	05/18/11	4	5					0.13	0.25	U
IAAP136775	IAAP136780	691933.21	92732.44	05/18/11	5	6					0.13	0.25	U
IAAP136781	IAAP136781	691929.35	92728.37	05/18/11	0	1					0.13	0.25	U
IAAP136781	IAAP136782	691929.35	92728.37	05/18/11	1	2					0.13	0.25	U
IAAP136781	IAAP136783	691929.35	92728.37	05/18/11	2	3					0.13	0.25	U
IAAP136781	IAAP136784	691929.35	92728.37	05/18/11	3	4					0.13	0.25	U
IAAP136781	IAAP136785	691929.35	92728.37	05/18/11	4	5					0.13	0.25	U
IAAP136781	IAAP136786	691929.35	92728.37	05/18/11	5	6					0.13	0.25	U
IAAP136787	IAAP136787	691976.83	92560.81	05/17/11	0	1					0.13	0.25	U
IAAP136787	IAAP136788	691976.83	92560.81	05/17/11	1	2					0.13	0.25	U
IAAP136787	IAAP136789	691976.83	92560.81	05/17/11	2	3					0.13	0.25	U
IAAP136787	IAAP136790	691976.83	92560.81	05/17/11	3	4					0.13	0.25	U
IAAP136787	IAAP136791	691976.83	92560.81	05/17/11	4	5					0.13	0.25	U
IAAP136787	IAAP136792	691976.83	92560.81	05/17/11	5	6					0.13	0.25	U
IAAP136793	IAAP136793	691963.6	92553.05	05/18/11	0	1					0.13	0.25	U
IAAP136793	IAAP136794	691963.6	92553.05	05/18/11	1	2					0.13	0.25	U
IAAP136793	IAAP136795	691963.6	92553.05	05/18/11	2	3					0.13	0.25	U
IAAP136793	IAAP136796	691963.6	92553.05	05/18/11	3	4					0.13	0.25	U
IAAP136793	IAAP136797	691963.6	92553.05	05/18/11	4	5					0.13	0.25	U
IAAP136793	IAAP136798	691963.6	92553.05	05/18/11	5	6					0.13	0.25	U
IAAP136799	IAAP136799	691985.08	92553.02	05/17/11	0	1					0.13	0.25	U
IAAP136799	IAAP136800	691985.08	92553.02	05/17/11	1	2					0.13	0.25	U
IAAP136799	IAAP136801	691985.08	92553.02	05/17/11	2	3					0.13	0.25	U
IAAP136799	IAAP136802	691985.08	92553.02	05/17/11	3	4					0.13	0.25	U
IAAP136799	IAAP136803	691985.08	92553.02	05/17/11	4	5					0.13	0.25	U
IAAP136799	IAAP136804	691985.08	92553.02	05/17/11	5	6					0.13	0.25	U
IAAP136805	IAAP136805	691974.27	92538.23	05/17/11	0	1					0.13	0.25	U
IAAP136805	IAAP136806	691974.27	92538.23	05/17/11	1	2					0.13	0.25	U
IAAP136805	IAAP136807	691974.27	92538.23	05/17/11	2	3					0.13	0.25	U
IAAP136805	IAAP136808	691974.27	92538.23	05/17/11	3	4					0.55	0.25	J
IAAP136805	IAAP136809	691974.27	92538.23	05/17/11	4	5					0.13	0.25	J
IAAP136805	IAAP136810	691974.27	92538.23	05/17/11	5	6					0.13	0.25	U
IAAP136811	IAAP136811	691970.78	92548.09	05/17/11	0	1					0.13	0.25	U
IAAP136811	IAAP136812	691970.78	92548.09	05/17/11	1	2					0.13	0.25	U

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	2,4,6-TNT		
											Result	DL	VQ
IAAP136811	IAAP136813	691970.78	92548.09	05/17/11	2	3					0.13	0.25	U
IAAP136811	IAAP136814	691970.78	92548.09	05/17/11	3	4					0.13	0.25	U
IAAP136811	IAAP136815	691970.78	92548.09	05/17/11	4	5					0.13	0.25	U
IAAP136811	IAAP136816	691970.78	92548.09	05/17/11	5	6					0.13	0.25	U
IAAP136817	IAAP136817	691966.07	92544.14	05/17/11	0	1					0.13	0.25	U
IAAP136817	IAAP136818	691966.07	92544.14	05/17/11	1	2					0.13	0.25	U
IAAP136817	IAAP136819	691966.07	92544.14	05/17/11	2	3					0.13	0.25	U
IAAP136817	IAAP136820	691966.07	92544.14	05/17/11	3	4					0.13	0.25	U
IAAP136817	IAAP136821	691966.07	92544.14	05/17/11	4	5					0.13	0.25	U
IAAP136817	IAAP136822	691966.07	92544.14	05/17/11	5	6					0.13	0.25	U
IAAP136823	IAAP136823	691994.57	92524.56	05/18/11	1	2					0.13	0.25	U
IAAP136823	IAAP136824	691994.57	92524.56	05/18/11	2	3					0.13	0.25	U
IAAP136823	IAAP136825	691994.57	92524.56	05/18/11	3	4					0.13	0.25	U
IAAP136823	IAAP136826	691994.57	92524.56	05/18/11	4	5					0.13	0.25	U
IAAP136823	IAAP136827	691994.57	92524.56	05/18/11	5	6					0.13	0.25	U
IAAP136823	IAAP136828	691994.57	92524.56	05/18/11	6	7					0.13	0.25	U
IAAP137255	IAAP137255	691975.59	92518.24	05/18/11	0	1					0.13	0.25	U
IAAP137255	IAAP137256	691975.59	92518.24	05/18/11	1	2					0.13	0.25	U
IAAP137255	IAAP137257	691975.59	92518.24	05/18/11	2	3					0.13	0.25	U
IAAP137255	IAAP137258	691975.59	92518.24	05/18/11	3	4					0.13	0.25	U
IAAP137255	IAAP137259	691975.59	92518.24	05/18/11	4	5					0.13	0.25	U
IAAP137255	IAAP137260	691975.59	92518.24	05/18/11	5	6					0.13	0.25	U
IAAP96925	IAAP96925	692027	92844.46	10/26/06	0	0.5					0.18	0.35	U
IAAP96926	IAAP96926	692014.91	92844.8	10/26/06	0	0.5					0.18	0.35	U
IAAP96928	IAAP96928	691998.35	92979.48	10/26/06	0	0.5					0.18	0.35	U
IAAP96929	IAAP96929	691966.49	92969.51	10/26/06	0	0.5					0.17	0.34	U
IAAP96934	IAAP96934	COMPOSITE	COMPOSITE	11/15/06	0	0.5					0.15	0.29	UJ
IAAP96935	IAAP96935	691894.02	93328.08	11/15/06	0	0.5					0.14	0.28	UJ
IAAP96936	IAAP96936	COMPOSITE	COMPOSITE	11/15/06	0	0.5					0.17	0.34	UJ
IAAP96937	IAAP96937	COMPOSITE	COMPOSITE	11/13/06	0	0.5					0.14	0.28	UJ
IAAP96938	IAAP96938	691840.29	93270.4	11/13/06	0	0.5					0.17	0.33	UJ
IAAP96939	IAAP96939	691831.83	93298.23	11/13/06	0	0.5					0.14	0.27	UJ
IAAP96940	IAAP96940	691832.3	93342.32	11/13/06	0	0.5					0.14	0.28	UJ
IAAP96941	IAAP96941	691814.66	93317.23	11/13/06	0	0.5					0.16	0.32	UJ
IAAP96942	IAAP96942	691838.97	93244.84	11/13/06	0	0.5					0.16	0.31	UJ
IAAP96949	IAAP96949	692113.04	93092.9	11/15/06	0	0.5					0.16	0.31	UJ
IAAP96950	IAAP96950	COMPOSITE	COMPOSITE	11/15/06	0	0.5					0.16	0.32	UJ
IAAP96951	IAAP96951	COMPOSITE	COMPOSITE	11/15/06	0	0.5					0.16	0.31	UJ
IAAP96952	IAAP96952	692127.71	93042.61	11/15/06	0	0.5					0.13	0.26	UJ
IAAP96953	IAAP96953	692116.38	93011.84	11/15/06	0	0.5					0.15	0.3	UJ

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	2,4,6-TNT		
											Result	DL	VQ
IAAP96954	IAAP96954	692116.26	92981.47	11/15/06	0	0.5					0.14	0.28	UJ
IAAP96955	IAAP96955	692175.68	92981.55	11/15/06	0	0.5					0.16	0.32	UJ
IAAP96956	IAAP96956	COMPOSITE	COMPOSITE	11/15/06	0	0.5					0.16	0.31	UJ
IAAP96957	IAAP96957	692056.98	93146.93	11/15/06	0	0.5					0.17	0.34	UJ
IAAP96958	IAAP96958	692074.54	93130.61	11/15/06	0	0.5					0.18	0.35	UJ
IAAP96959	IAAP96959	COMPOSITE	COMPOSITE	11/14/06	0	0.5					0.15	0.3	UJ
IAAP96960	IAAP96960	692088.53	93112.41	11/15/06	0	0.5					0.16	0.32	UJ
IAAP96961	IAAP96961	COMPOSITE	COMPOSITE	11/13/06	0	0.5					0.16	0.31	UJ
IAAP96962	IAAP96962	COMPOSITE	COMPOSITE	11/13/06	0	0.5					0.16	0.31	UJ
IAAP96963	IAAP96963	COMPOSITE	COMPOSITE	11/13/06	0	0.5					0.15	0.29	UJ
IAAP96964	IAAP96964	691985.83	93063.1	11/13/06	0	0.5					0.16	0.31	UJ
IAAP96965	IAAP96965	691993.8	93029.94	11/13/06	0	0.5					0.13	0.26	UJ
IAAP96966	IAAP96966	691954.93	93007.81	11/13/06	0	0.5					0.16	0.32	UJ
IAAP96967	IAAP96967	691937	93039	11/13/06	0	0.5					0.13	0.26	UJ
IAAP96968	IAAP96968	691938.96	93067.14	11/13/06	0	0.5					0.13	0.26	UJ
IAAP96969	IAAP96969	691938.96	93067.14	11/13/06	1	2					0.16	0.31	UJ
IAAP96970	IAAP96970	691909.48	93056.65	11/13/06	0	0.5					0.17	0.33	UJ
IAAP96976	IAAP96976	COMPOSITE	COMPOSITE	11/14/06	0	0.5					0.17	0.33	UJ
IAAP96977	IAAP96977	COMPOSITE	COMPOSITE	11/14/06	0	0.5					0.10	0.37	J
IAAP96979	IAAP96979	691795.01	93119.57	11/14/06	0	0.5					0.16	0.32	UJ
IAAP96980	IAAP96980	691808.87	93106.84	11/14/06	0	0.5					0.14	0.27	UJ
IAAP96988	IAAP96988	691954.34	92114.71	11/14/06	0	0.5					0.14	0.27	UJ
IAAP96989	IAAP96989	691876.63	92299.46	11/14/06	0	0.5					0.16	0.31	UJ
IAAP96992	IAAP96992	COMPOSITE	COMPOSITE	11/14/06	0	0.5					0.14	0.28	UJ
IAAP96994	IAAP96994	691857.33	92413.74	11/14/06	0	0.5					0.14	0.28	UJ
IAAP96995	IAAP96995	691870.98	92410.67	11/14/06	0	0.5					0.15	0.3	UJ
IAAP96996	IAAP96996	COMPOSITE	COMPOSITE	11/14/06	0	0.5					0.16	0.32	UJ
IAAP96997	IAAP96997	691844.39	92407.27	11/14/06	0	0.5					0.14	0.28	UJ
IAAP96998	IAAP96998	691728	93303	11/14/06	0	0.5					0.14	0.27	UJ
IAAP97000	IAAP97000	691786.4	93115.72	11/14/06	0	0.5					0.17	0.33	UJ
IAAP97001	IAAP97001	691872	93010	12/18/06	0	0.5					0.14	0.28	UJ
IAAP97002	IAAP97002	691884	93003	12/18/06	0	0.5					0.14	0.27	UJ
IAAP97003	IAAP97003	691888	92995	12/18/06	0	0.5					0.17	0.31	J
IAAP97004	IAAP97004	691895	92793	12/19/06	0	0.5					0.09	0.33	J
IAAP97005	IAAP97005	691902	92791	12/19/06	0	0.5					0.18	0.31	=
IAAP97006	IAAP97006	691908	92794	12/19/06	0	0.5					0.16	0.31	U
IAAP97007	IAAP97007	691925	92795	12/19/06	0	0.5					0.16	0.32	U
IAAP97008	IAAP97008	691894	92818	12/19/06	0	0.5					0.16	0.32	U
IAAP97009	IAAP97009	691903	92823	12/19/06	0	0.5					0.16	0.31	U
IAAP97010	IAAP97010	691891	92892	12/19/06	0	0.5					0.16	0.31	U

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	2,4,6-TNT		
											Result	DL	VQ
IAAP97011	IAAP97011	691900	92879	12/19/06	0	0.5					0.16	0.32	U
IAAP97012	IAAP97012	691889	92913	12/19/06	0	0.5					0.17	0.33	U
IAAP97013	IAAP97013	691813	92905	12/18/06	0	0.5					0.14	0.28	UJ
IAAP97014	IAAP97014	691785	92886	12/18/06	0	0.5					0.19	0.38	J
IAAP97015	IAAP97015	691688	92824	12/18/06	0	0.5					0.13	0.26	UJ
IAAP97016	IAAP97016	691683	92887	12/18/06	0	0.5					11.00	0.33	J
IAAP97017	IAAP97017	691680	92894	12/18/06	0	0.5					0.15	0.3	UJ
IAAP97018	IAAP97018	691694	92881	12/18/06	0	0.5					8.70	0.35	J
IAAP97020	IAAP97020	691695	92744	12/18/06	0	0.5					0.17	0.33	UJ
IAAP97021	IAAP97021	691719	92718	12/18/06	0	0.5					0.17	0.34	UJ
IAAP97022	IAAP97022	691753	92650	12/18/06	0	0.5					0.18	0.32	J
IAAP97023	IAAP97023	691750	92660	12/18/06	0	0.5					0.18	0.35	UJ
IAAP97024	IAAP97024	691745	92709	12/18/06	0	0.5					0.17	0.33	UJ
IAAP97025	IAAP97025	691718	92783	12/18/06	0	0.5					0.17	0.33	UJ
IAAP97026	IAAP97026	691811	92938	12/18/06	0	0.5					3.20	0.34	J
IAAP97027	IAAP97027	691942	92676	12/19/06	0	0.5					0.17	0.33	U
IAAP97029	IAAP97029	691930	92683	12/19/06	0	0.5					0.17	0.33	U
IAAP97036	IAAP97036	692052.2	92417.45	12/19/06	0	0.5					0.14	0.27	U
IAAP97037	IAAP97037	692060	92421.6	12/19/06	0	0.5					0.14	0.28	U
IAAP97038	IAAP97038	692004	92424	12/19/06	0	0.5					0.17	0.34	U
IAAP97039	IAAP97039	692142.8	92156	12/19/06	0	0.5					1.00	0.31	=
IAAP97040	IAAP97040	692146	92149	12/19/06	0	0.5					0.17	0.33	U
IAAP97041	IAAP97041	692132.3	92131.1	12/19/06	0	0.5					0.14	0.28	U
IAAP97045	IAAP97045	692065	92323	12/19/06	0	0.5					0.15	0.3	U
IAAP97046	IAAP97046	692051	92339	12/19/06	0	0.5					0.17	0.33	U
IAAP97048	IAAP97048	692140.2	92094.9	12/19/06	0	0.5					0.15	0.29	U
IAAP97049	IAAP97049	691998	92245	12/19/06	0	0.5					0.07	0.33	J
IAAP98247	IAAP98247	691977	92312	12/19/06	0	0.5					0.18	0.35	U
IAAP98250	IAAP98250	691732	92354	12/20/06	0	0.5					0.19	0.37	U
IAAP98251	IAAP98251	691761	92310	12/20/06	0	0.5					0.16	0.32	U
IAAP98253	IAAP98253	691755	92246	12/20/06	0	0.5					0.16	0.32	U
IAAP98254	IAAP98254	691702	92289	12/20/06	0	0.5					0.21	0.42	U
IAAP98260	IAAP98260	691719	92537	12/18/06	0	0.5					0.15	0.3	UJ
IAAP98261	IAAP98261	691626	92692	12/18/06	0	0.5					0.16	0.31	UJ
IAAP98262	IAAP98262	691633	92751	12/18/06	0	0.5					0.17	0.34	UJ
IAAP98263	IAAP98263	691582	92869	12/18/06	0	0.5					0.48	0.95	UJ
IAAP98264	IAAP98264	691518	93097	12/18/06	0	0.5					0.21	0.41	UJ
IAAP98266	IAAP98266	691878	92578	12/18/06	0	0.5					0.16	0.32	UJ
IAAP98273	IAAP98273	692131	92072.7	12/19/06	0	0.5					0.16	0.32	U
IAAP99934	IAAP99934	692030.09	92396.58	04/16/07	0	1					0.16	0.31	U

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	2,4,6-TNT		
											Result	DL	VQ
IAAP99934	IAAP99935	692030.09	92396.58	04/16/07	1	2					0.16	0.32	U
IAAP99936	IAAP99936	692027.39	92394.07	04/16/07	0	1					0.17	0.33	U
IAAP99936	IAAP99937	692027.39	92394.07	04/16/07	1	2					0.16	0.32	U
IAAP99938	IAAP99938	691747.48	92260.65	04/15/07	0	0.5					0.15	0.3	U
IAAP99939	IAAP99939	691743.59	92262.02	04/15/07	0	0.5					0.16	0.32	U
IAAP99940	IAAP99940	691708.65	92265.87	04/15/07	0	0.5					0.18	0.35	U
IAAP99941	IAAP99941	691700.52	92270.71	04/15/07	0	0.5					0.33	0.66	U
IAAP99942	IAAP99942	692058.69	92404.33	04/16/07	0	0.5					0.14	0.27	U
IAAP99959	IAAP99959	692014.14	92937.77	06/05/07	3	4					0.15	0.29	U
IAAP99960	IAAP99960	692001.22	92882.79	06/05/07	2	2.5					0.14	0.27	U
IAAP100071	IAAP99962	691694.48	92747.08	06/05/07	2	3					0.16	0.31	UJ
100101	L1101001	691685	93330		0.0	1.0					0.00		
100101	L1101002	691685	93330		1.0	2.0					0.125	0.25	U
100101	L1101003	691685	93330		2.0	4.0					0.125	0.25	U
100101	L1101004	691685	93330		4.0	6.0					0.125	0.25	U
100102	L1101005	691685	93369		0.0	1.0					0.000		
100102	L1101006	691685	93369		1.0	2.0					0.125	0.25	U
100102	L1101007	691685	93369		2.0	4.0					0.125	0.25	U
100102	L1101008	691685	93369		4.0	6.0					0.125	0.25	U
100103	L1101009	691723	93308		0.0	1.0					0.000		
100103	L1101010	691723	93308		1.0	2.0					0.125	0.25	U
100103	L1101011	691723	93308		2.0	4.0					0.125	0.25	U
100103	L1101012	691723	93308		4.0	6.0					0.125	0.25	U
100201	L1102001	691824	93116		1.0	2.0					0.000		
100201	L1102002	691824	93116		2.0	4.0					0.000		
100202	L1102003	691834	93110		1.0	2.0					0.000		
100202	L1102004	691834	93110		2.0	4.0					0.000		
100203	L1102005	691839	93129		1.0	2.0					0.000		
100203	L1102006	691839	93129		2.0	4.0					0.000		
100204	L1102007	691851	93109		1.0	2.0					0.000		
100204	L1102008	691851	93109		2.0	4.0					0.000		
100205	L1102009	691838	93090		1.0	2.0					0.000		
100205	L1102010	691838	93090		2.0	4.0					0.000		
100205	L1102011	691838	93090		2.0	4.0					0.000		
100206	L1102012	691842	93123		1.0	2.0					0.000		
100206	L1102013	691842	93123		2.0	4.0					0.000		
100302	L1103005	691754	93117		0.0	1.0					0.000		
100302	L1103006	691754	93117		1.0	2.0					0.125	0.25	U
100302	L1103007	691754	93117		2.0	4.0					0.125	0.25	U
100302	L1103008	691754	93117		4.0	6.0					0.125	0.25	U

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	2,4,6-TNT		
											Result	DL	VQ
100303	L1103009	691803	93111		0.0	1.0					0.000		
100303	L1103010	691803	93111		1.0	2.0					0.125	0.25	U
100303	L1103011	691803	93111		2.0	4.0					0.125	0.25	U
100303	L1103012	691803	93111		4.0	6.0					0.125	0.25	U
100304	L1103013	691776	93096		0.0	1.0					0.000		
100304	L1103014	691776	93096		1.0	2.0					0.125	0.25	U
100304	L1103015	691776	93096		2.0	4.0					0.125	0.25	U
100304	L1103016	691776	93096		2.0	4.0					0.125	0.25	U
100304	L1103017	691776	93096		4.0	6.0					0.125	0.25	U
100305	L1103018	692112	92187		0.0	1.0					0.000		
100305	L1103019	692112	92187		1.0	2.0					0.125	0.25	U
100305	L1103020	692112	92187		2.0	4.0					0.125	0.25	U
100305	L1103021	692112	92187		4.0	6.0					0.125	0.25	U
100401	L1104001	691772	93135		0.0	1.0					0.000		
100401	L1104002	691772	93135		1.0	2.0					0.125	0.25	U
100401	L1104003	691772	93135		2.0	4.0					0.125	0.25	U
100401	L1104004	691772	93135		4.0	6.0					0.125	0.25	U
100402	L1104005	691742	93216		0.0	1.0					0.000		
100402	L1104006	691742	93216		1.0	2.0					0.125	0.25	U
100402	L1104007	691742	93216		2.0	4.0					0.125	0.25	U
100402	L1104008	691742	93216		4.0	6.0					0.125	0.25	U
100403	L1104009	691792	93152		0.0	1.0					0.000		
100403	L1104010	691792	93152		1.0	2.0					0.125	0.25	U
100403	L1104011	691792	93152		2.0	4.0					0.125	0.25	U
100403	L1104012	691792	93152		4.0	6.0					0.125	0.25	U
100404	L1104013	691796	93140		0.0	1.0					0.000		
100404	L1104014	691796	93140		1.0	2.0					0.125	0.25	U
100404	L1104015	691796	93140		2.0	4.0					0.125	0.25	U
100404	L1104016	691796	93140		4.0	6.0					0.125	0.25	U
100501	L1105001	691921	92838		0.0	1.0					0.000		
100501	L1105002	691921	92838		1.0	2.0					0.125	0.25	U
100501	L1105003	691921	92838		2.0	4.0					0.125	0.25	U
100501	L1105004	691921	92838		4.0	6.0					0.125	0.25	U
100502	L1105005	691921	92844		0.0	1.0					0.000		
100502	L1105006	691921	92844		1.0	2.0					0.125	0.25	U
100502	L1105007	691921	92844		1.0	2.0					0.125	0.25	U
100502	L1105008	691921	92844		2.0	4.0					0.120	0.24	U
100502	L1105009	691921	92844		4.0	6.0					0.125	0.25	U
100503	L1105010	691915	92797		0.0	1.0					0.000		
100503	L1105011	691915	92797		1.0	2.0					0.125	0.25	U

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	2,4,6-TNT		
											Result	DL	VQ
100503	L1105012	691915	92797		2.0	4.0					0.125	0.25	U
100503	L1105013	691915	92797		4.0	6.0					0.125	0.25	U
100504	L1105014	691932	92802		0.0	1.0					0.000		
100504	L1105015	691932	92802		1.0	2.0					0.125	0.25	U
100504	L1105016	691932	92802		2.0	4.0					0.125	0.25	U
100504	L1105017	691932	92802		4.0	6.0					0.125	0.25	U
100505	L1105018	691911	92799		0.0	1.0					0.000		
100505	L1105019	691911	92799		1.0	2.0					0.125	0.25	U
100505	L1105020	691911	92799		2.0	4.0					0.125	0.25	U
100505	L1105021	691911	92799		4.0	6.0					0.125	0.25	U
100506	L1105022	691896	92792		1.0	2.0					0.125	0.25	U
100506	L1105023	691896	92792		2.0	4.0					0.125	0.25	U
100506	L1105024	691896	92792		4.0	6.0					0.125	0.25	U
100509	L1105035	691899	92831		0.0	1.0					0.000		
100509	L1105036	691899	92831		1.0	2.0					0.120	0.24	U
100509	L1105037	691899	92831		2.0	4.0					0.125	0.25	U
100509	L1105038	691899	92831		4.0	6.0					0.125	0.25	U
100510	L1105055	691886	92945		0.0	1.0					0.000		
100510	L1105056	691886	92945		1.0	2.0					0.120	0.24	U
100510	L1105057	691886	92945		2.0	4.0					0.125	0.25	U
100510	L1105058	691886	92945		4.0	6.0					0.125	0.25	U
100511	L1105059	691877	92995		1.0	2.0					0.125	0.25	U
100511	L1105060	691877	92995		2.0	4.0					0.125	0.25	U
100511	L1105061	691877	92995		2.0	4.0					0.125	0.25	U
100511	L1105062	691877	92995		4.0	6.0					0.125	0.25	U
100512	L1105063	691842	92972		1.0	2.0					0.125	0.25	U
100512	L1105064	691842	92972		2.0	4.0					0.125	0.25	U
100512	L1105065	691842	92972		4.0	6.0					0.067	0.25	
100513	L1105066	691845	92995		1.0	2.0					0.125	0.25	U
100513	L1105067	691845	92995		2.0	4.0					0.125	0.25	U
100513	L1105068	691845	92995		2.0	4.0					0.125	0.25	U
100514	L1105069	691849	92986		1.0	2.0					0.125	0.25	U
100514	L1105070	691849	92986		2.0	4.0					0.125	0.25	U
100514	L1105071	691849	92986		4.0	5.0					0.125	0.25	U
100517	L1105079	691867	93001		0.0	1.0					0.000		
100517	L1105080	691867	93001		1.0	2.0					0.125	0.25	U
100517	L1105081	691867	93001		2.0	4.0					0.125	0.25	U
100517	L1105082	691867	93001		4.0	6.0					0.125	0.25	U
100519	L1105088	691864	92940		0.0	1.0					0.000		
100519	L1105089	691864	92940		1.0	2.0					0.125	0.25	U

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	2,4,6-TNT		
											Result	DL	VQ
100519	L1105090	691864	92940		2.0	4.0					0.125	0.25	U
100519	L1105091	691864	92940		4.0	6.0					0.125	0.25	U
100521	L1105096	691911	92849		0.0	1.0					0.000		
100521	L1105097	691911	92849		1.0	2.0					0.125	0.25	U
100521	L1105098	691911	92849		2.0	4.0					0.125	0.25	U
100521	L1105099	691911	92849		4.0	6.0					0.120	0.24	U
100601	L1106001	691750	92646		0.0	1.0					0.000		
100601	L1106002	691750	92646		1.0	2.0					0.125	0.25	U
100601	L1106003	691750	92646		2.0	4.0					0.125	0.25	U
100601	L1106004	691750	92646		2.0	4.0					0.125	0.25	U
100601	L1106005	691750	92646		4.0	6.0					0.125	0.25	U
100602	L1106006	691739	92639		0.0	1.0					0.000		
100602	L1106007	691739	92639		1.0	2.0					2.200	0.25	
100602	L1106008	691739	92639		2.0	4.0					0.125	0.25	U
100602	L1106009	691739	92639		4.0	6.0					0.125	0.25	U
100603	L1106010	691621	93000		0.0	1.0					0.000		
100603	L1106011	691621	93000		1.0	2.0					0.120	0.24	U
100603	L1106012	691621	93000		2.0	4.0					0.125	0.25	U
100603	L1106013	691621	93000		4.0	6.0					0.125	0.25	U
100604	L1106014	691632	93007		0.0	1.0					0.000		
100604	L1106015	691632	93007		1.0	2.0					0.230	0.25	
100604	L1106016	691632	93007		2.0	4.0					0.125	0.25	U
100604	L1106017	691632	93007		4.0	6.0					0.170	0.25	
100701	L1107001	692002	92830		0.0	1.0					0.000		
100701	L1107002	692002	92830		1.0	2.0					0.125	0.25	U
100701	L1107003	692002	92830		2.0	4.0					0.125	0.25	U
100702	L1107005	692023	92845		0.0	1.0					0.000		
100702	L1107006	692023	92845		1.0	2.0					0.125	0.25	U
100702	L1107007	692023	92845		2.0	4.0					0.125	0.25	U
100702	L1107008	692023	92845		4.0	6.0					0.125	0.25	U
100703	L1107009	692034	92800		0.0	1.0					0.000		
100703	L1107010	692034	92800		1.0	2.0					0.125	0.25	U
100703	L1107011	692034	92800		2.0	4.0					0.125	0.25	U
100703	L1107012	692034	92800		4.0	6.0					0.125	0.25	U
100801	L1108001	691700	92779		0.0	1.0					0.000		
100801	L1108002	691700	92779		1.0	2.0					0.120	0.24	U
100801	L1108003	691700	92779		2.0	4.0					0.125	0.25	U
100801	L1108004	691700	92779		2.0	4.0					0.120	0.24	U
100801	L1108005	691700	92779		4.0	6.0					0.125	0.25	U
100802	L1108006	691723	92706		0.0	1.0					0.000		

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	2,4,6-TNT		
											Result	DL	VQ
100802	L1108006A	691723	92706		0.0	1.0					0.000		
100802	L1108007	691723	92706		1.0	2.0					0.125	0.25	U
100802	L1108007A	691723	92706		1.0	2.0					0.125	0.25	U
100802	L1108008	691723	92706		2.0	4.0					0.125	0.25	U
100802	L1108008A	691723	92706		2.0	4.0					0.125	0.25	U
100802	L1108009	691723	92706		4.0	6.0					0.125	0.25	U
100802	L1108009A	691723	92706		4.0	6.0					0.125	0.25	U
100803	L1108010	691715	92725		0.0	1.0					0.000		
100803	L1108011	691715	92725		1.0	2.0					0.125	0.25	U
100803	L1108012	691715	92725		2.0	4.0					0.125	0.25	U
100803	L1108013	691715	92725		4.0	6.0					0.125	0.25	U
100805	L1108018	691709	92730		0.0	1.0					0.000		
100805	L1108019	691709	92730		1.0	2.0					0.230	0.25	
100805	L1108020	691709	92730		2.0	4.0					0.125	0.25	U
100805	L1108021	691709	92730		4.0	6.0					0.125	0.25	U
101001	L1110001	691959	92688		0.0	1.0					0.000		
101001	L1110002	691959	92688		1.0	2.0					0.125	0.25	U
101001	L1110003	691959	92688		2.0	4.0					0.125	0.25	U
101001	L1110004	691959	92688		4.0	6.0					0.125	0.25	U
101004	L1110016	691978	92653		0.0	1.0					0.000		
101004	L1110017	691978	92653		1.0	2.0					0.140	0.25	
101004	L1110018	691978	92653		2.0	4.0					0.125	0.25	U
101004	L1110019	691978	92653		4.0	6.0					0.125	0.25	U
101005	L1110037	691993	92609		0.0	1.0					0.000		
101005	L1110038	691993	92609		1.0	2.0					0.125	0.25	U
101005	L1110039	691993	92609		2.0	4.0					0.125	0.25	U
101005	L1110040	691993	92609		4.0	6.0					0.125	0.25	U
101006	L1110025	691952	92623		0.0	1.0					0.000		
101006	L1110026	691952	92623		1.0	2.0					0.125	0.25	U
101006	L1110027	691952	92623		2.0	4.0					0.125	0.25	U
101006	L1110028	691952	92623		4.0	5.0					0.125	0.25	U
101007	L1110029	691971	92576		0.0	1.0					0.000		
101007	L1110030	691971	92576		1.0	2.0					0.125	0.25	U
101008	L1110033	691999	92585		0.0	1.0					0.000		
101008	L1110034	691999	92585		1.0	2.0					0.125	0.25	U
101008	L1110035	691999	92585		2.0	4.0					0.125	0.25	U
101008	L1110036	691999	92585		4.0	6.0					0.125	0.25	U
101009	L1110021	691999	92618		0.0	1.0					0.000		
101009	L1110022	691999	92618		1.0	2.0					0.125	0.25	U
101009	L1110023	691999	92618		2.0	4.0					0.125	0.25	U

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	2,4,6-TNT		
											Result	DL	VQ
101009	L1110024	691999	92618		4.0	6.0					0.125	0.25	U
101101	L1111001	691809	93287		0.0	1.0					0.000		
101101	L1111002	691809	93287		1.0	2.0					0.125	0.25	U
101101	L1111003	691809	93287		2.0	4.0					0.125	0.25	U
101101	L1111004	691809	93287		4.0	6.0					0.125	0.25	U
101102	L1111005	691832	93269		0.0	1.0					0.000		
101102	L1111006	691832	93269		2.0	4.0					0.000		
101103	L1111007	691812	93314		0.0	1.0					0.000		
101103	L1111008	691812	93314		1.0	2.0					0.125	0.25	U
101103	L1111009	691812	93314		2.0	4.0					0.125	0.25	U
101103	L1111010	691812	93314		4.0	6.0					0.125	0.25	U
101104	L1111011	691845	93331		0.0	1.0					0.000		
101104	L1111012	691845	93331		1.0	2.0					0.125	0.25	U
101104	L1111013	691845	93331		2.0	4.0					0.125	0.25	U
101104	L1111014	691845	93331		4.0	6.0					0.125	0.25	U
101105	L1111015	691894	93311		0.0	1.0					0.000		
101105	L1111016	691894	93311		1.0	2.0					0.125	0.25	U
101105	L1111017	691894	93311		2.0	4.0					0.125	0.25	U
101105	L1111018	691894	93311		4.0	6.0					0.125	0.25	U
101106	L1111019	691911	93281		0.0	1.0					0.000		
101106	L1111020	691911	93281		1.0	2.0					0.125	0.25	U
101106	L1111022	691911	93281		2.0	4.0					0.125	0.25	U
101106	L1111023	691911	93281		4.0	6.0					0.125	0.25	U
101107	L1111024	691838	93244		0.0	1.0					0.000		
101107	L1111025	691838	93244		1.0	2.0					0.125	0.25	U
101107	L1111026	691838	93244		2.0	4.0					0.125	0.25	U
101107	L1111027	691838	93244		4.0	6.0					0.125	0.25	U
101201	L1112001	692036	92381		1.0	2.0					0.125	0.25	U
101201	L1112001A	692036	92381		0.0	1.0					0.000		
101201	L1112002	692036	92381		1.0	2.0					0.125	0.25	U
101201	L1112003	692036	92381		2.0	4.0					0.125	0.25	U
101201	L1112004	692036	92381		4.0	6.0					0.125	0.25	U
101204	L1112011A	692080	92344		0.0	1.0					0.000		
101204	L1112012	692080	92344		2.0	4.0					0.125	0.25	U
101204	L1112013	692080	92344		4.0	6.0					0.125	0.25	U
101205	L1112014	692105	92261		1.0	2.0					0.125	0.25	U
101205	L1112014A	692105	92261		0.0	1.0					0.000		
101205	L1112015	692105	92261		2.0	4.0					0.125	0.25	U
101205	L1112016	692105	92261		4.0	6.0					0.125	0.25	U
101206	L1112017	692086	92238		1.0	2.0					0.125	0.25	U

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	2,4,6-TNT		
											Result	DL	VQ
101206	L1112017A	692086	92238		0.0	1.0					0.000		
101206	L1112018	692086	92238		2.0	4.0					0.125	0.25	U
101206	L1112019	692086	92238		4.0	6.0					0.125	0.25	U
101207	L1112020	692050	92340		1.0	2.0					0.125	0.25	U
101207	L1112020A	692050	92340		0.0	1.0					0.000		
101207	L1112021	692050	92340		2.0	4.0					0.125	0.25	U
101207	L1112022	692050	92340		4.0	6.0					0.125	0.25	U
101208	L1112023	692041	92462		0.0	1.0					0.000		
101208	L1112024	692041	92462		1.0	2.0					0.125	0.25	U
101208	L1112025	692041	92462		1.0	2.0					0.125	0.25	U
101208	L1112026	692041	92462		2.0	4.0					0.125	0.25	U
101208	L1112027	692041	92462		4.0	6.0					0.125	0.25	U
101209	L1112028	692063	92389		0.0	1.0					0.000		
101209	L1112029	692063	92389		1.0	2.0					0.125	0.25	U
101209	L1112030	692063	92389		2.0	4.0					0.125	0.25	U
101209	L1112031	692063	92389		4.0	6.0					0.125	0.25	U
101210	L1112033	692085	92323		1.0	2.0					0.125	0.25	U
101210	L1112034	692085	92323		2.0	4.0					0.125	0.25	U
101210	L1112036	692085	92323		4.0	6.0					0.125	0.25	U
101210	L111232	692085	92323		0.0	1.0					0.000		
101211	L1112037	692098	92292		0.0	1.0					0.000		
101211	L1112038	692098	92292		1.0	2.0					0.125	0.25	U
101211	L1112039	692098	92292		2.0	4.0					0.125	0.25	U
101211	L1112040	692098	92292		4.0	6.0					0.125	0.25	U
101212	L1112041	692076	92256		0.0	1.0					0.000		
101212	L1112042	692076	92256		1.0	2.0					0.125	0.25	U
101212	L1112043	692076	92256		2.0	4.0					0.125	0.25	U
101212	L1112044	692076	92256		4.0	6.0					0.125	0.25	U
101213	L1112045	692055	92294		0.0	1.0					0.000		
101213	L1112046	692055	92294		1.0	2.0					0.125	0.25	U
101213	L1112047	692055	92294		2.0	4.0					0.125	0.25	U
101213	L1112048	692055	92294		2.0	4.0					0.000		
101213	L1112049	692055	92294		4.0	6.0					0.125	0.25	U
101301	L1113001	691873	92319		0.0	1.0					0.000		
101301	L1113002	691873	92319		1.0	2.0					0.125	0.25	U
101301	L1113003	691873	92319		2.0	4.0					0.125	0.25	U
101301	L1113004	691873	92319		4.0	6.0					0.125	0.25	U
101302	L1113006	691868	92338		0.0	1.0					0.000		
101302	L1113007	691868	92338		1.0	2.0					0.125	0.25	U
101302	L1113008	691868	92338		2.0	4.0					0.125	0.25	U

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	2,4,6-TNT		
											Result	DL	VQ
101302	L1113009	691868	92338		4.0	6.0					0.125	0.25	U
101303	L1113010	691845	92407		0.0	1.0					0.000		
101303	L1113011	691845	92407		1.0	2.0					0.125	0.25	U
101303	L1113012	691845	92407		2.0	4.0					0.125	0.25	U
101303	L1113013	691845	92407		4.0	6.0					0.125	0.25	U
101304	L1113014	691870	92409		2.0	4.0					0.000		
101304	L1113015	691870	92409		1.0	2.0					0.125	0.25	U
101304	L1113016	691870	92409		2.0	4.0					0.125	0.25	U
101304	L1113017	691870	92409		4.0	6.0					0.125	0.25	U
101305	L1113018	691882	92387		0.0	1.0					0.000		
101305	L1113019	691882	92387		1.0	2.0					0.125	0.25	U
101305	L1113020	691882	92387		2.0	4.0					0.125	0.25	U
101305	L1113021	691882	92387		4.0	6.0					0.125	0.25	U
101306	L1113024	691889	94486		1.0	2.0					0.125	0.25	U
101307	L1113023	691900	92319		1.0	2.0					0.125	0.25	U
101307	L1113027	691900	92319		0.0	1.0					0.000		
101307	L1113028	691900	92319		1.0	2.0					0.125	0.25	U
101308	L11130035	691875	92309		4.0	6.0					0.125	0.25	U
101308	L1113031	691875	92309		0.0	1.0					0.000		
101308	L1113032	691875	92309		1.0	2.0					0.125	0.25	U
101308	L1113033	691875	92309		2.0	4.0					0.125	0.25	U
101308	L1113034	691875	92309		2.0	4.0					0.125	0.25	U
101309	L1113036	691881	92297		0.0	1.0					0.000		
101309	L1113037	691881	92297		1.0	2.0					0.125	0.25	U
101309	L1113038	691881	92297		2.0	4.0					0.125	0.25	U
101309	L1113039	691881	92297		4.0	6.0					0.125	0.25	U
101401	L1114001	691797	92489		0.0	1.0					0.000		
101401	L1114002	691797	92489		1.0	2.0					0.125	0.25	U
101401	L1114003	691797	92489		2.0	4.0					0.125	0.25	U
101401	L1114004	691797	92489		4.0	6.0					0.125	0.25	U
101402	L1114005	691814	92487		0.0	1.0					0.000		
101402	L1114006	691814	92487		1.0	2.0					0.125	0.25	U
101402	L1114007	691814	92487		2.0	4.0					0.125	0.25	U
101402	L1114008	691814	92487		4.0	6.0					0.125	0.25	U
101501	L1115001	691936	92124		0.0	1.0					0.000		
101501	L1115002	691936	92124		1.0	2.0					0.125	0.25	U
101501	L1115003	691936	92124		2.0	4.0					0.125	0.25	U
101501	L1115004	691936	92124		4.0	6.0					0.125	0.25	U
101502	L1115005	691916	92117		0.0	1.0					0.000		
101502	L1115006	691916	92117		1.0	2.0					0.125	0.25	U

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	2,4,6-TNT		
											Result	DL	VQ
101502	L1115007	691916	92117		2.0	4.0					0.125	0.25	U
101502	L1115008	691916	92117		4.0	6.0					0.125	0.25	U
101503	L1115009	691925	92088		0.0	1.0					0.000		
101503	L1115010	691925	92088		1.0	2.0					0.125	0.25	U
101503	L1115011	691925	92088		2.0	4.0					0.125	0.25	U
101503	L1115012	691925	92088		4.0	6.0					0.125	0.25	U
101504	L1115014	691931	92075		0.0	1.0					0.000		
101504	L1115015	691931	92075		1.0	2.0					0.125	0.25	U
101504	L1115016	691931	92075		2.0	4.0					0.125	0.25	U
101504	L1115017	691931	92075		4.0	6.0					0.125	0.25	U
101505	L1115018	691943	92106		0.0	1.0					0.000		
101505	L1115019	691943	92106		1.0	2.0					0.125	0.25	U
101505	L1115020	691943	92106		2.0	4.0					0.125	0.25	U
101505	L1115021	691943	92106		4.0	6.0					0.125	0.25	U
101506	L1115022	691950	92080		0.0	1.0					0.000		
101506	L1115023	691950	92080		1.0	2.0					0.125	0.25	U
101506	L1115024	691950	92080		2.0	4.0					0.125	0.25	U
101506	L1115025	691950	92080		4.0	6.0					0.125	0.25	U
101601	L1116001	692018	92532		1.0	2.0					0.000		
101602	L1116002	692025	92510		1.0	2.0					0.000		
101604	L1116005	692012	92535		1.0	2.0					0.000		
101605	L1116006	692003	92526		1.0	2.0					0.000		
101605	L1116007	692003	92526		1.0	2.0					0.000		
101901	L1119001	691756	92245		0.0	1.0					0.000		
101901	L1119002	691756	92245		1.0	2.0					0.125	0.25	U
101901	L1119003	691756	92245		2.0	4.0					0.125	0.25	U
101901	L1119004	691756	92245		4.0	6.0					0.125	0.25	U
101902	L1119005	691701	92291		0.0	1.0					0.000		
101902	L1119006	691701	92291		1.0	2.0					0.125	0.25	U
101902	L1119007	691701	92291		2.0	4.0					0.125	0.25	U
101902	L1119008	691701	92291		4.0	6.0					0.125	0.25	U
101903	L1119011	691682	92349		0.0	1.0					0.000		
101903	L1119012	691682	92349		1.0	2.0					0.125	0.25	U
101903	L1119013	691682	92349		2.0	4.0					0.125	0.25	U
101903	L1119014	691682	92349		4.0	6.0					0.125	0.25	U
101904	L1119015	691752	92256		0.0	1.0					0.000		
101904	L1119016	691752	92256		1.0	2.0					0.125	0.25	U
101904	L1119017	691752	92256		2.0	4.0					0.125	0.25	U
101904	L1119018	691752	92256		4.0	6.0					0.125	0.25	U
101905	L1119019	691756	92280		0.0	1.0					0.000		

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	2,4,6-TNT		
											Result	DL	VQ
101905	L1119020	691756	92280		1.0	2.0					0.125	0.25	U
101905	L1119021	691756	92280		2.0	4.0					0.125	0.25	U
101905	L1119022	691756	92280		4.0	6.0					0.125	0.25	U
103601	L1136001	691816	93159		0.0	1.0					0.000		
103601	L1136002	691816	93159		1.0	2.0					0.000		
103601	L1136003	691816	93159		2.0	4.0					0.000		
103602	L1136004	691819	93152		0.0	1.0					0.000		
103602	L1136005	691819	93152		1.0	2.0					0.000		
103602	L1136006	691819	93152		2.0	4.0					0.000		
103603	L1136007	691811	93151		0.0	1.0					0.000		
103603	L1136008	691811	93151		1.0	2.0					0.000		
103603	L1136009	691811	93151		2.0	4.0					0.000		
104001	L1140001	691989	92970		0.0	1.0					0.000		
104001	L1140002	691989	92970		1.0	2.0					0.125	0.25	U
104001	L1140003	691989	92970		2.0	4.0					0.125	0.25	U
104001	L1140004	691989	92970		4.0	6.0					0.125	0.25	U
104002	L1140005	691966	92968		0.0	1.0					0.000		
104002	L1140007	691966	92968		1.0	2.0					0.125	0.25	U
104002	L1140008	691966	92968		2.0	4.0					0.125	0.25	U
104002	L1140009	691966	92968		4.0	6.0					0.125	0.25	U
104003	L1140010	692020	92953		0.0	1.0					0.000		
104003	L1140011	692020	92953		0.0	1.0					0.125	0.25	U
104003	L1140013	692020	92953		2.0	4.0					0.125	0.25	U
104003	L1140014	692020	92953		4.0	6.0					0.125	0.25	U
104004	L1140015	691950	92925		0.0	1.0					0.000		
104004	L1140016	691950	92925		1.0	2.0					0.125	0.25	U
104004	L1140017	691950	92925		2.0	4.0					0.125	0.25	U
104004	L1140018	691950	92925		4.0	6.0					0.125	0.25	U
104005	L1140006	692034	92912		2.0	4.0					0.125	0.25	U
104005	L1140020	692034	92912		0.0	1.0					0.000		
104005	L1140021	692034	92912		1.0	2.0					0.125	0.25	U
104005	L1140022	692034	92912		2.0	4.0					0.125	0.25	U
104005	L1140023	692034	92912		4.0	6.0					0.125	0.25	U
104006	L1140024	692023	92873		0.0	1.0					0.000		
104006	L1140025	692023	92873		1.0	2.0					0.125	0.25	U
104006	L1140026	692023	92873		2.0	4.0					0.125	0.25	U
104006	L1140027	692023	92873		4.0	6.0					0.125	0.25	U
104007	L1140028	691983	92874		0.0	1.0					0.000		
104007	L1140029	691983	92874		1.0	2.0					0.125	0.25	U
104007	L1140030	691983	92874		2.0	4.0					0.125	0.25	U

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	2,4,6-TNT		
											Result	DL	VQ
105001	L1150001	691709	92844		1.0	2.0					0.120	0.24	U
105001	L1150002	691709	92844		2.0	4.0					0.125	0.25	U
105001	L1150003	691709	92844		4.0	6.0					0.125	0.25	U
105003	L1150007	691689	92828		0.0	1.0					0.000		
105003	L1150008	691689	92828		1.0	2.0					0.125	0.25	U
105003	L1150009	691689	92828		2.0	4.0					0.120	0.24	U
105003	L1150010	691689	92828		4.0	6.0					0.120	0.24	U
105004	L1150011	691716	92826		0.0	1.0					0.000		
105004	L1150012	691716	92826		1.0	2.0					0.125	0.25	U
105004	L1150013	691716	92826		2.0	4.0					0.125	0.25	U
105004	L1150014	691716	92826		4.0	6.0					0.125	0.25	U
105301	L1153001	692136	92161		1.0	2.0					0.125	0.25	U
105301	L1153001A	692136	92161		0.0	1.0					0.000		
105301	L1153003	692136	92161		2.0	4.0					0.125	0.25	U
105301	L1153004	692136	92161		4.0	6.0					0.125	0.25	U
105302	L1153002	692145	92145		0.0	1.0					0.000		
105302	L1153005	692145	92145		1.0	2.0					0.125	0.25	U
105302	L1153005A	692145	92145		0.0	1.0					0.000		
105302	L1153006	692145	92145		2.0	4.0					0.125	0.25	U
105302	L1153007	692145	92145		4.0	6.0					0.125	0.25	U
105303	L1153008	692108	92140		1.0	2.0					0.125	0.25	U
105303	L1153008A	692108	92140		0.0	1.0					0.000		
105303	L1153009	692108	92140		2.0	4.0					0.125	0.25	U
105303	L1153010	692108	92140		4.0	6.0					0.125	0.25	U
106002	L1160006	691662	92877		0.0	1.0					0.000		
106002	L1160007	691662	92877		1.0	2.0					0.125	0.25	U
106002	L1160008	691662	92877		2.0	4.0					0.120	0.24	U
106002	L1160009	691662	92877		4.0	6.0					0.125	0.25	U
106003	L1160010	691680	92888		0.0	1.0					0.000		
106003	L1160011	691680	92888		1.0	2.0					0.125	0.25	U
106003	L1160012	691680	92888		2.0	4.0					0.120	0.24	U
106003	L1160013	691680	92888		4.0	6.0					0.125	0.25	U
106003	L1160014	691680	92888		4.0	6.0					0.125	0.25	U
106004	L1160015	691680	92900		0.0	1.0					0.000		
106004	L1160016	691680	92900		1.0	2.0					0.125	0.25	U
106004	L1160017	691680	92900		2.0	4.0					0.125	0.25	U
106004	L1160019	691680	92900		4.0	6.0					0.120	0.24	U
106101	L1161001	691947	93086		0.0	1.0					0.000		
106101	L1161002	691947	93086		1.0	2.0					0.125	0.25	U
106101	L1161003	691947	93086		2.0	4.0					0.125	0.25	U

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	2,4,6-TNT		
											Result	DL	VQ
106101	L1161004	691947	93086		4.0	6.0					0.125	0.25	U
106102	L1161005	691909	93057		0.0	1.0					0.000		
106102	L1161006	691909	93057		1.0	2.0					0.125	0.25	U
106102	L1161007	691909	93057		1.0	2.0					0.125	0.25	U
106102	L1161008	691909	93057		2.0	4.0					0.125	0.25	U
106102	L1161009	691909	93057		4.0	6.0					0.125	0.25	U
106104	L1161014	691956	93011		0.0	1.0					0.000		
106104	L1161015	691956	93011		1.0	2.0					0.125	0.25	U
106104	L1161016	691956	93011		2.0	4.0					0.125	0.25	U
106104	L1161017	691956	93011		4.0	6.0					0.125	0.25	U
106301	L1163009	692099	92970		0.0	1.0					0.000		
106301	L1163010	692099	92970		1.0	2.0					0.125	0.25	U
106301	L1163011	692099	92970		2.0	4.0					0.125	0.25	U
106301	L1163012	692099	92970		4.0	6.0					0.125	0.25	U
106302	L1163013	692094	92997		0.0	1.0					0.000		
106302	L1163015	692094	92997		2.0	4.0					0.125	0.25	U
106302	L1163016	692094	92997		4.0	6.0					0.125	0.25	U
106303	L1163017	692099	93024		0.0	1.0					0.000		
106303	L1163018	692099	93024		1.0	2.0					0.125	0.25	U
106303	L1163019	692099	93024		2.0	4.0					0.125	0.25	U
106303	L1163020	692099	93024		4.0	6.0					0.125	0.25	U
106304	L1163021	692101	93040		0.0	1.0					0.000		
106304	L1163022	692101	93040		1.0	2.0					0.125	0.25	U
106304	L1163023	692101	93040		2.0	4.0					0.125	0.25	U
106304	L1163024	692101	93040		4.0	6.0					0.125	0.25	U
106305	L1163025	692073	93131		0.0	1.0					0.000		
106305	L1163026	692073	93131		1.0	2.0					0.125	0.25	U
106305	L1163027	692073	93131		1.0	2.0					0.125	0.25	U
106305	L1163028	692073	93131		2.0	4.0					0.125	0.25	U
106305	L1163029	692073	93131		4.0	6.0					0.125	0.25	U
106306	L1163030	692055	93147		0.0	1.0					0.000		
106306	L1163031	692055	93147		1.0	2.0					0.125	0.25	U
106306	L1163032	692055	93147		2.0	4.0					0.125	0.25	U
106306	L1163033	692055	93147		4.0	6.0					0.125	0.25	U
106307	L1163034	692088	93113		0.0	1.0					0.000		
106307	L1163035	692088	93113		1.0	2.0					0.125	0.25	U
106307	L1163036	692088	93113		2.0	4.0					0.125	0.25	U
106307	L1163037	692088	93113		4.0	6.0					0.125	0.25	U
106308	L1163038	692094	93102		0.0	1.0					0.000		
106308	L1163039	692094	93102		1.0	2.0					0.125	0.25	U

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	2,4,6-TNT		
											Result	DL	VQ
106308	L1163040	692094	93102		2.0	4.0					0.125	0.25	U
106308	L1163041	692094	93102		4.0	6.0					0.125	0.25	U
106401	L1164001	692022	93174		0.0	1.0					0.000		
106401	L1164002	692022	93174		1.0	2.0					0.125	0.25	U
106401	L1164003	692022	93174		2.0	4.0					0.125	0.25	U
106401	L1164004	692022	93174		4.0	6.0					0.125	0.25	U
106401	L1164018	692022	93174		0.0	1.0					0.000		
106402	L1164005	692011	93185		0.0	1.0					0.000		
106402	L1164006	692011	93185		4.0	6.0					0.125	0.25	U
106402	L1164007	692011	93185		2.0	4.0					0.125	0.25	U
106402	L1164008	692011	93185		4.0	6.0					0.125	0.25	U
106403	L1164009	692000	93195		0.0	1.0					0.000		
106403	L1164010	692000	93195		1.0	2.0					0.125	0.25	U
106403	L1164011	692000	93195		2.0	4.0					0.125	0.25	U
106403	L1164012	692000	93195		4.0	6.0					0.125	0.25	U
106403	L1164013	692000	93195		4.0	6.0					0.125	0.25	U
106404	L1164014	691970	93215		2.0	4.0					0.000		
106404	L1164015	691970	93215		1.0	2.0					0.125	0.25	U
106404	L1164016	691970	93215		2.0	4.0					0.125	0.25	U
106404	L1164017	691970	93215		4.0	6.0					0.125	0.25	U
106501	L1165001	692089	92859		0.0	1.0					0.000		
106501	L1165002	692089	92859		1.0	2.0					0.125	0.25	U
106501	L1165003	692089	92859		2.0	4.0					0.125	0.25	U
106501	L1165004	692089	92859		4.0	6.0					0.125	0.25	U
106501	L1165005	692089	92859		4.0	6.0					0.125	0.25	U
106502	L1165006	692086	92848		0.0	1.0					0.000		
106502	L1165007	692086	92848		1.0	2.0					0.125	0.25	U
106502	L1165008	692086	92848		2.0	4.0					0.125	0.25	U
106502	L1165009	692086	92848		4.0	6.0					0.125	0.25	U
106503	L1165010	692175	92980		0.0	1.0					0.000		
106503	L1165011	692175	92980		1.0	2.0					0.125	0.25	U
106503	L1165012	692175	92980		2.0	4.0					0.125	0.25	U
106503	L1165013	692175	92980		4.0	6.0					0.125	0.25	U
106503	L1165030	692175	92980		1.0	2.0					0.125	0.25	U
106504	L1165014	692161	92912		0.0	1.0					0.000		
106504	L1165015	692161	92912		1.0	2.0					0.125	0.25	U
106504	L1165016	692161	92912		2.0	4.0					0.125	0.25	U
106504	L1165017	692161	92912		4.0	6.0					0.125	0.25	U
106505	L1165018	692194	92823		0.0	1.0					0.000		
106505	L1165019	692194	92823		1.0	2.0					0.125	0.25	U

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	2,4,6-TNT		
											Result	DL	VQ
106505	L1165020	692194	92823		2.0	4.0					0.125	0.25	U
106505	L1165021	692194	92823		4.0	6.0					0.125	0.25	U
106506	L1165022	692273	92884		0.0	1.0					0.000		
106506	L1165023	692273	92884		1.0	2.0					0.125	0.25	U
106506	L1165024	692273	92884		2.0	4.0					0.125	0.25	U
106506	L1165025	692273	92884		4.0	6.0					0.125	0.25	U
106507	L1165026	692267	92904		0.0	1.0					0.000		
106507	L1165027	692267	92904		1.0	2.0					0.125	0.25	U
106507	L1165028	692267	92904		2.0	4.0					0.125	0.25	U
106507	L1165029	692267	92904		4.0	6.0					0.125	0.25	U
106507	L1165031	692267	92904		0.0	1.0					0.000		
106601	L1166001	691723	92395		0.0	1.0					0.000		
106601	L1166002	691723	92395		1.0	2.0					0.125	0.25	U
106601	L1166003	691723	92395		2.0	4.0					0.125	0.25	U
106601	L1166004	691723	92395		4.0	6.0					0.125	0.25	U
106602	L1166007	691680	92381		0.0	1.0					0.000		
106602	L1166008	691680	92381		1.0	2.0					0.125	0.25	U
106602	L1166009	691680	92381		2.0	4.0					0.125	0.25	U
106602	L1166010	691680	92381		4.0	6.0					0.125	0.25	U
106701	L1167001	691949	93193		0.0	1.0					0.000		
106701	L1167002	691949	93193		1.0	2.0					0.125	0.25	U
106701	L1167003	691949	93193		2.0	4.0					0.125	0.25	U
106701	L1167004	691949	93193		4.0	6.0					0.125	0.25	U
106702	L1167005	691953	93162		0.0	1.0					0.000		
106702	L1167006	691953	93162		1.0	2.0					0.125	0.25	U
106702	L1167007	691953	93162		1.0	2.0					0.125	0.25	U
106702	L1167008	691953	93162		4.0	6.0					0.125	0.25	U
106703	L1167009	691973	93141		0.0	1.0					0.000		
106703	L1167010	691973	93141		1.0	2.0					0.125	0.25	U
106703	L1167011	691973	93141		2.0	4.0					0.125	0.25	U
106703	L1167012	691973	93141		4.0	6.0					0.125	0.25	U
107001	L1170001	691981	92458		0.0	1.0					0.000		
107001	L1170002	691981	92458		1.0	2.0					0.125	0.25	U
107001	L1170003	691981	92458		2.0	4.0					0.095	0.25	
107001	L1170004	691981	92458		4.0	6.0					0.125	0.25	U
107002	L1170005	691961	92498		0.0	1.0					0.000		
107002	L1170006	691961	92498		1.0	2.0					0.125	0.25	U
107002	L1170007	691961	92498		2.0	4.0					0.120	0.25	
107002	L1170008	691961	92498		4.0	6.0					0.100	0.25	
107101	L1171001	691874	92664		0.0	1.0					0.000		

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	2,4,6-TNT		
											Result	DL	VQ
107101	L1171002	691874	92664		1.0	2.0					0.125	0.25	U
107101	L1171003	691874	92664		2.0	4.0					0.125	0.25	U
107101	L1171004	691874	92664		4.0	6.0					0.125	0.25	U
107201	L1172001	691875	92586		0.0	1.0					0.000		
107201	L1172002	691875	92586		1.0	2.0					0.125	0.25	U
107201	L1172003	691875	92586		2.0	4.0					0.125	0.25	U
107201	L1172004	691875	92586		4.0	6.0					0.125	0.25	U
107201	L1172005	691875	92586		4.0	6.0					0.125	0.25	U
107303	L1173009	691882	92517		0.0	1.0					0.000		
107303	L1173010	691882	92517		1.0	2.0					0.120	0.24	U
107303	L1173011	691882	92517		2.0	4.0					0.120	0.24	U
107303	L1173012	691882	92517		4.0	6.0					0.125	0.25	U
107304	L1173013	691895	92491		0.0	1.0					0.000		
107304	L1173014	691895	92491		1.0	2.0					0.125	0.25	U
107304	L1173015	691895	92491		2.0	4.0					0.125	0.25	U
107304	L1173016	691895	92491		4.0	6.0					0.125	0.25	U
107305	L1173017	691925	92475		0.0	1.0					0.000		
107305	L1173018	691925	92475		1.0	2.0					0.125	0.25	U
107305	L1173019	691925	92475		2.0	4.0					0.125	0.25	U
107305	L1173020	691925	92475		4.0	6.0					0.125	0.25	U
107401	L1174001	691962	92425		0.0	1.0					0.000		
107401	L1174002	691962	92425		1.0	2.0					0.125	0.25	U
107401	L1174003	691962	92425		2.0	4.0					0.125	0.25	U
107401	L1174004	691962	92425		4.0	6.0					0.125	0.25	U
107501	L1175001	691970	92319		0.0	1.0					0.000		
107501	L1175002	691970	92319		1.0	2.0					0.125	0.25	U
107501	L1175003	691970	92319		2.0	4.0					0.125	0.25	U
107501	L1175004	691970	92319		4.0	6.0					0.125	0.25	U
107601	L1176001	691995	92243		0.0	1.0					0.000		
107601	L1176002	691995	92243		1.0	2.0					0.125	0.25	U
107601	L1176003	691995	92243		1.0	2.0					0.125	0.25	U
107601	L1176004	691995	92243		2.0	4.0					0.125	0.25	U
107601	L1176005	691995	92243		4.0	6.0					0.125	0.25	U
107701	L1177001	691839	93355		0.0	1.0					0.000		
107701	L1177002	691839	93355		1.0	2.0					0.125	0.25	U
107701	L1177003	691839	93355		2.0	4.0					0.125	0.25	U
107701	L1177004	691839	93355		4.0	6.0					0.125	0.25	U
108501	L1185001	692145	93053		0.0	1.0					0.000		
108501	L1185002	692145	93053		1.0	2.0					0.125	0.25	U
108501	L1185003	692145	93053		2.0	4.0					0.125	0.25	U

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	2,4,6-TNT		
											Result	DL	VQ
108501	L1185004	692145	93053		4.0	6.0					0.125	0.25	U
108502	L1185005	692193	93114		0.0	1.0					0.000		
108502	L1185006	692193	93114		1.0	2.0					0.125	0.25	U
108502	L1185007	692193	93114		1.0	2.0					0.125	0.25	U
108502	L1185009	692193	93114		4.0	6.0					0.125	0.25	U
110001	L11100001	691889	92747		0.0	1.0					0.000		
110001	L11100002	691889	92747		1.0	2.0					0.125	0.25	U
110001	L11100003	691889	92747		2.0	4.0					0.125	0.25	U
110001	L11100004	691889	92747		2.0	4.0					0.120	0.24	U
110003	L11100009	691958	92733		4.0	6.0					0.125	0.25	U
110003	L11100010	691958	92733		0.0	1.0					0.000		
110003	L11100011	691958	92733		1.0	2.0					0.125	0.25	U
110003	L11100012	691958	92733		1.0	2.0					0.125	0.25	U
110003	L11100013	691958	92733		2.0	4.0					0.120	0.24	U
110003	L11100014	691958	92733		4.0	6.0					0.125	0.25	U
110021	L111002001	691703	92269		0.0	1.0					0.000		
110021	L111002002	691703	92269		0.0	1.0					0.000		
110021	L111002003	691703	92269		1.0	2.0					0.125	0.25	U
110021	L111002004	691703	92269		2.0	4.0					0.125	0.25	U
110021	L111002005	691703	92269		4.0	6.0					0.125	0.25	U
110021	L111002006	691703	92269		4.0	6.0					0.125	0.25	U
112421	L11124001	691974	93402		1.0	2.0					0.125	0.25	U
112421	L11124002	691974	93402		2.0	4.0					0.125	0.25	U
112421	L11124003	691974	93402		4.0	6.0					0.125	0.25	U
112422	L11124004	691977	93392		1.0	2.0					0.125	0.25	U
112422	L11124005	691977	93392		2.0	4.0					0.125	0.25	U
112422	L11124006	691977	93392		4.0	6.0					0.125	0.25	U
112423	L11124007	691956	93454		1.0	2.0					0.125	0.25	U
112423	L11124008	691956	93454		2.0	4.0					0.125	0.25	U
112423	L11124009	691956	93454		4.0	6.0					0.125	0.25	U
112901	L11129001	691933	93378		1.0	2.0					0.125	0.25	U
112901	L11129002	691933	93378		2.0	4.0					0.125	0.25	U
112901	L11129003	691933	93378		4.0	6.0					0.125	0.25	U
112902	L11129004	691961	93373		1.0	2.0					0.000		
112902	L11129005	691961	93373		2.0	4.0					0.000		
112902	L11129006	691961	93373		2.0	4.0					0.000		
112903	L11129007	691939	93367		1.0	2.0					0.125	0.25	U
112903	L11129008	691939	93367		2.0	4.0					0.125	0.25	U
112903	L11129009	691939	93367		4.0	6.0					0.125	0.25	U
115201	L11152001	691670	93440		1.0	2.0					0.000		

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	2,4,6-TNT		
											Result	DL	VQ
115201	L11152002	691670	93440		2.0	4.0					0.000		
115202	L11152003	691677	93430		1.0	2.0					0.000		
115202	L11152004	691677	93430		2.0	4.0					0.000		
115203	L11152005	691655	93409		1.0	2.0					0.000		
115203	L11152006	691655	93409		2.0	4.0					0.000		
115204	L11152007	691646	93444		1.0	2.0					0.000		
115204	L11152008	691646	93444		2.0	4.0					0.000		
115205	L11152009	691681	93484		1.0	2.0					0.000		
115205	L11152009DL	691681	93484		1.0	2.0					0.000		
115205	L11152011	691681	93484		2.0	4.0					0.000		
115206	L11152012	691648	93431		1.0	2.0					0.000		
115206	L11152013	691648	93431		2.0	4.0					0.000		
115207	L11152014	691651	93420		1.0	2.0					0.000		
115207	L11152015	691651	93420		2.0	4.0					0.000		
115501	L11155001	691829	92890		0.0	1.0					0.000		
115501	L11155002	691829	92890		1.0	2.0					0.125	0.25	U
115501	L11155003	691829	92890		2.0	4.0					0.120	0.24	U
115501	L11155004	691829	92890		4.0	6.0					0.125	0.25	U
115501	L11155005	691829	92890		4.0	6.0					0.120	0.24	U
115502	L11155006	691921	92626		0.0	1.0					0.000		
115502	L11155007	691921	92626		1.0	2.0					0.125	0.25	U
115502	L11155008	691921	92626		2.0	4.0					0.125	0.25	U
115502	L11155009	691921	92626		4.0	6.0					0.125	0.25	U
115503	L11155010	692016	92333		0.0	1.0					0.000		
115503	L11155011	692016	92333		1.0	2.0					0.125	0.25	U
115503	L11155012	692016	92333		2.0	4.0					0.084	0.25	
116901	L11169001	691798	92297		0.0	1.0					0.000		
116901	L11169002	691798	92297		1.0	2.0					0.000		
116902	L1169003	691703	93210		0.0	1.0					0.000		
116902	L1169004	691703	93210		1.0	2.0					0.000		
116903	L11169005	691920	92946		0.0	1.0					0.000		
116903	L11169006	691920	92946		1.0	2.0					0.000		
116904	L11169007	691946	92866		0.0	1.0					0.000		
116904	L11169008	691946	92866		1.0	2.0					0.000		
116905	L11169009	692120	92125		0.0	1.0					0.000		
116905	L11169010	692120	92125		1.0	2.0					0.000		
116906	L11169011	692028	92646		1.0	2.0					0.000		
116907	L11169013	692114	92355		0.0	1.0					0.000		
116907	L11169014	692114	92355		1.0	2.0					0.000		
116908	L11169016	692066	92273		0.0	1.0					0.000		

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	2,4,6-TNT		
											Result	DL	VQ
116908	L11169017	692066	92273		1.0	2.0					0.000		
116909	L11169018	691757	92233		0.0	1.0					0.000		
116909	L11169019	691757	92233		1.0	2.0					0.000		
116910	L11169020	691979	93373		0.0	1.0					0.000		
116910	L11169021	691979	93373		1.0	2.0					0.000		
116911	L11169022	691769	93328		0.0	1.0					0.000		
116911	L11169023	691769	93328		1.0	2.0					0.000		
116912	L11169024	691863	93415		0.0	1.0					0.000		
116912	L11169025	691863	93415		1.0	2.0					0.000		
116913	L11169026	691701	92898		0.0	1.0					0.000		
116913	L11169027	691701	92898		1.0	2.0					0.000		
116914	L11169028	691725	93411		0.0	1.0					0.000		
116914	L11169028DL	691725	93411		0.0	1.0					0.000		
116914	L11169029	691725	93411		1.0	2.0					0.000		
116914	L11169029DL	691725	93411		1.0	2.0					0.000		
116915	L11169030	691883	93355		0.0	1.0					0.000		
116915	L11169031	691883	93355		0.0	1.0					0.000		
116916	L11169032	692204	93063		0.0	1.0					0.000		
116916	L11169033	692204	93063		0.0	1.0					0.000		
116916	L11169034	692204	93063		1.0	2.0					0.000		
116917	L11169035	691698	92263		0.0	1.0					0.000		
116917	L11169036	691698	92263		1.0	2.0					0.000		
116918	L11169037	691949	93168		0.0	1.0					0.000		
116918	L11169038	691949	93168		1.0	2.0					0.000		
116919	L11169039	692104	92656		0.0	1.0					0.000		
116919	L11169040	692104	92656		1.0	2.0					0.000		
116920	L11169041	691813	92098		0.0	1.0					0.000		
116920	L11169042	691813	92098		1.0	2.0					0.000		
116920	L11169043	691813	92098		1.0	2.0					0.000		
116921	L11169044	692141	92572		0.0	1.0					0.000		
116921	L11169045	692141	92572		1.0	2.0					0.000		
116922	L11169046	692089	92779		0.0	1.0					0.000		
116922	L11169047	692089	92779		1.0	2.0					0.000		
116925	L11169052	691675	93311		0.0	1.0					0.000		
116925	L11169053	691675	93311		1.0	2.0					0.000		
160302	L1163014	692094	92997		1.0	2.0					0.125	0.25	U
163701	L1163001	691731	92351		0.0	1.0					0.000		
163701	L1163002	691731	92351		1.0	2.0					0.125	0.25	U
163701	L1163003	691731	92351		2.0	4.0					0.000		
163701	L1163004	691731	92351		4.0	6.0					0.125	0.25	U

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	2,4,6-TNT		
											Result	DL	VQ
163702	L1163005	691759	92309		0.0	1.0					0.000		
163702	L1163006	691759	92309		1.0	2.0					0.125	0.25	U
163702	L1163007	691759	92309		2.0	4.0					0.125	0.25	U
163702	L1163008	691759	92309		4.0	6.0					0.125	0.25	U
10DD01	L110DD001	691669	93262		0.0	1.0					0.000		
10DD01	L110DD002	691669	93262		1.0	2.0					0.125	0.25	U
10DD01	L110DD003	691669	93262		2.0	4.0					0.125	0.25	U
10DD01	L110DD004	691669	93262		4.0	6.0					0.125	0.25	U
10DD02	L110DD005	691641	93234		0.0	1.0					0.000		
10DD02	L110DD006	691641	93234		1.0	2.0					0.125	0.25	U
10DD02	L110DD007	691641	93234		2.0	4.0					0.125	0.25	U
10DD02	L110DD008	691641	93234		4.0	6.0					0.120	0.24	U
10DD03	L110DD009	691565	93119		0.0	1.0					0.000		
10DD03	L110DD010	691565	93119		1.0	2.0					0.125	0.25	U
10DD03	L110DD011	691565	93119		2.0	4.0					0.125	0.25	U
10DD03	L110DD012	691565	93119		4.0	6.0					0.125	0.25	U
10DD04	L110DD013	691508	93081		0.0	1.0					0.000		
10DD04	L110DD014	691508	93081		1.0	2.0					0.125	0.25	U
10DD04	L110DD015	691508	93081		2.0	4.0					0.125	0.25	U
10DD04	L110DD016	691508	93081		2.0	4.0					0.120	0.24	U
10DD04	L110DD017	691508	93081		4.0	6.0					0.125	0.25	U
10DD05	L110DD018	691525	93099		0.0	1.0					0.000		
10DD05	L110DD019	691525	93099		1.0	2.0					0.125	0.25	U
10DD07	L110DD026	691660	93153		0.0	1.0					0.000		
10DD07	L110DD027	691660	93153		1.0	2.0					0.125	0.25	U
10DD07	L110DD028	691660	93153		2.0	4.0					0.120	0.24	U
10DD07	L110DD029	691660	93153		4.0	6.0					0.125	0.25	U
10DD09	L110DD034	691861	92762		0.0	1.0					0.000		
10DD09	L110DD035	691861	92762		1.0	2.0					0.066	0.25	
10DD09	L110DD036	691861	92762		2.0	4.0					0.125	0.25	U
10DD09	L110DD037	691861	92762		4.0	6.0					0.125	0.25	U
10DD10	L110DD038	691839	92768		0.0	1.0					0.000		
10DD10	L110DD039	691839	92768		0.0	1.0					0.000		
10DD10	L110DD040	691839	92768		1.0	2.0					0.125	0.25	U
10DD10	L110DD041	691839	92768		2.0	4.0					0.125	0.25	U
10DD10	L110DD042	691839	92768		4.0	6.0					0.125	0.25	U
10DD11	L110DD043	691762	92784		0.0	1.0					0.000		
10DD11	L110DD044	691762	92784		1.0	2.0					0.130	0.25	
10DD11	L110DD045	691762	92784		1.0	2.0					0.125	0.25	U
10DD11	L110DD046	691762	92784		2.0	4.0					0.125	0.25	U

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	2,4,6-TNT		
											Result	DL	VQ
10DD11	L110DD047	691762	92784		4.0	6.0					0.125	0.25	U
10DD12	L110DD048	691726	92790		0.0	1.0					0.000		
10DD12	L110DD049	691726	92790		1.0	2.0					0.120	0.24	U
10DD12	L110DD050	691726	92790		2.0	4.0					0.120	0.24	U
10DD12	L110DD051	691726	92790		4.0	6.0					0.120	0.24	U
10DD13	L110DD052	691627	92701		0.0	1.0					0.000		
10DD13	L110DD053	691627	92701		1.0	2.0					0.125	0.25	U
10DD13	L110DD054	691627	92701		2.0	4.0					0.125	0.25	U
10DD13	L110DD055	691627	92701		4.0	6.0					0.125	0.25	U
10DD14	L110DD056	691617	92673		0.0	1.0					0.000		
10DD14	L110DD057	691617	92673		1.0	2.0					0.125	0.25	U
10DD14	L110DD058	691617	92673		2.0	4.0					0.125	0.25	U
10DD14	L110DD059	691617	92673		4.0	6.0					0.125	0.25	U
10DD15	L110DD060	691625	92545		0.0	1.0					0.000		
10DD15	L110DD061	691625	92545		1.0	2.0					0.125	0.25	U
10DD15	L110DD062	691625	92545		2.0	4.0					0.200	0.25	
10DD15	L110DD063	691625	92545		4.0	6.0					0.125	0.25	U
10DD16	L110DD065	691588	92546		1.0	2.0					0.125	0.25	U
10DD16	L110DD066	691588	92546		2.0	4.0					0.125	0.25	U
10DD16	L110DD067	691588	92546		4.0	6.0					0.190	0.25	
10DD17	L110DD069	691547	92435		1.0	2.0					0.125	0.25	U
10DD17	L110DD070	691547	92435		2.0	4.0					0.083	0.25	
10DD17	L110DD071	691547	92435		4.0	6.0					0.125	0.25	U
10DD17	L110DD072	691547	92435		4.0	6.0					0.125	0.25	U
10DD18	L110DD074	691582	92419		1.0	2.0					0.125	0.25	U
10DD18	L110DD075	691582	92419		2.0	4.0					0.125	0.25	U
10DD18	L110DD076	691582	92419		4.0	6.0					0.125	0.25	U
10DD19	L110DD077	691678	92547		0.0	1.0					0.000		
10DD19	L110DD078DL	691678	92547		1.0	2.0					0.000		
10DD19	L110DD079DL	691678	92547		2.0	4.0					0.000		
10DD20	L110DD081	691806	92511		0.0	1.0					0.000		
10DD20	L110DD082	691806	92511		1.0	2.0					0.125	0.25	U
10DD20	L110DD083	691806	92511		2.0	4.0					0.125	0.25	U
10DD20	L110DD084	691806	92511		4.0	6.0					0.125	0.25	U
10DD21	L110DD085	691838	92504		0.0	1.0					0.000		
10DD21	L110DD086	691838	92504		1.0	2.0					0.125	0.25	U
10DD21	L110DD087	691838	92504		2.0	4.0					0.125	0.25	U
10DD21	L110DD088	691838	92504		4.0	6.0					0.125	0.25	U
10DD22	L110DD089	691858	92111		0.0	1.0					0.000		
10DD22	L110DD090	691858	92111		1.0	2.0					0.125	0.25	U

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	2,4,6-TNT		
											Result	DL	VQ
10DD22	L110DD091	691858	92111		2.0	4.0					0.125	0.25	U
10DD22	L110DD092	691858	92111		4.0	6.0					0.125	0.25	U
10DD23	L110DD094	691798	92021		1.0	2.0					0.125	0.25	U
10DD23	L110DD095	691798	92021		2.0	4.0					0.125	0.25	U
10DD23	L110DD096	691798	92021		4.0	6.0					0.125	0.25	U
10DD25	L110DD102	691742	92808		2.0	4.0					0.000		
10DD25	L110DD103	691742	92808		1.0	2.0					0.125	0.25	U
10DD25	L110DD104	691742	92808		2.0	4.0					0.125	0.25	U
10DD25	L110DD105	691742	92808		4.0	6.0					0.125	0.25	U
10DD26	L110DD106	691759	92856		0.0	1.0					0.000		
10DD26	L110DD107	691759	92856		1.0	2.0					0.110	0.25	
10DD26	L110DD108	691759	92856		2.0	4.0					0.120	0.25	
10DD26	L110DD109	691759	92856		4.0	6.0					0.160	0.25	
10DD27	L110DD110	691918	91943		0.0	1.0					0.000		
10DD27	L110DD111	691918	91943		1.0	2.0					0.125	0.25	U
10DD27	L110DD112	691918	91943		2.0	4.0					0.125	0.25	U
10DD27	L110DD113	691918	91943		4.0	6.0					0.125	0.25	U
10DD28	L110DD115	691840	91886		1.0	2.0					0.125	0.25	U
10DD28	L110DD116	691840	91886		2.0	4.0					0.125	0.25	U
10DD28	L110DD117	691840	91886		4.0	6.0					0.125	0.25	U
10DD29	L110DD131	691632	93305		0.0	1.0					0.000		
10DD29	L110DD132	691632	93305		1.0	2.0					0.125	0.25	U
10DD29	L110DD133	691632	93305		2.0	4.0					0.125	0.25	U
10DD29	L110DD134	691632	93305		4.0	6.0					0.125	0.25	U

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	2,4,6-TNT		
											Result	DL	VQ
L1-E46-C001	IAAP137907						EU4	F	46	west wall BC 4 and 5	0.17	0.25	J
L1-E46-C002	IAAP137908					west wall BC 6, 7 and 3				0.13	0.25	U	
L1-E46-C003	IAAP137909					floor BC 1, 9, 2, 3, 7, and 6				0.23	0.25	J	
L1-E46-C004	IAAP137910					south wall BC 2, 3, and 4				0.13	0.25	U	
L1-E46-C005	IAAP137911					floor BC 3, 4, 5, 6, and 7				0.21	0.25	J	
L1-E46-C006	IAAP137912					east wall BC 1, 9, and 2				0.13	0.25	U	
L1-E12-C001	IAAP112282						EU5	B	12	north wall BC 1 and 12	0.15	0.29	U
L1-E12-C004	IAAP112283					east wall BC 1 and 2				0.30	0.27	=	
L1-E12-C005	IAAP112284					south wall BC 2 and 3				0.22	0.29	U	
L1-E12-C006	IAAP112285					west wall BC 8, 9, and 10; 11 and 12				0.15	0.29	U	
L1-E12-C007	IAAP112286					floor of EXC				0.15	0.29	U	
L1-E14-C001	IAAP112292						EU5	D	14	north wall BC 1 and 8	0.15	0.31	U
L1-E14-C002	IAAP112293					east wall BC 1 and 2				0.16	0.32	U	
L1-E14-C004	IAAP112295					west wall BC 7 and 8				0.16	0.32	U	
L1-E14-C005	IAAP112296					floor of EXC				0.16	0.31	U	
L1-E15-C001	IAAP112297						EU5	E North	15	Wall BC 15, 1, & 2	0.16	0.29	U
L1-E15-C004	IAAP112298					Wall BC 2, 3, 4, 5, & 6				0.15	0.28	U	
L1-E15-C007	IAAP112301					Wall BC 9, 10, 11, 12, 13, 14, & 15				0.14	0.28	U	
L1-E15-C009	IAAP112303					Floor BC 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, & 15				0.14	0.3	U	
L1-E15-C012	IAAP113264					Wall BC 6, 7, 8, & 9				0.15	0.29	U	
L1-E15-C005	IAAP112299						EU5	E South	15	Wall BC 1, 2, 3, 4, 5, 6, and 7	0.15	0.29	U
L1-E15-C006	IAAP112300					Wall BC 7, 8, and 9				0.15	0.27	U	
L1-E15-C008	IAAP112302					Wall BC 9, 10, 11, and 12				0.14	0.3	U	
L1-E15-C010	IAAP112353					Wall BC 12, 13 and 1				0.15	0.3	U	
L1-E15-C017-P4	IAAP132502					Floor BC 1, 2, 3, 4, 5, 11, 12, and 13				0.30	0.25	J	
L1-E15-C021-P4	IAAP132648					Floor BC 5,6, 10 and 11				0.03	0.25	U	
L1-E15-C022-P4	IAAP132649					Floor BC 6, 7, 8, 9, and 10				0.13	0.25	U	
L1-E50-C001	IAAP138923						EU5	F	50	Wall BC 26, 27, 28, 29 and 30	0.13	0.25	U
L1-E50-C002	IAAP138924					Wall BC 17, 18, 19, 20, and 21				0.13	0.25	U	
L1-E50-C003	IAAP138925					Wall BC 21, 22, 23, 24, 25, and 26				0.13	0.25	U	
L1-E50-C004	IAAP138926					Floor BC 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 48, and 49				0.13	0.25	U	
L1-E50-C005	IAAP138927					Wall BC 30, 31, 32, 33, 34, 35, and 36				0.25	0.25	J	
L1-E50-C007	IAAP138929					Wall BC 36, 37, 38, 39, 40, and 41				0.03	0.25	U	
L1-E50-C008	IAAP138930					Wall BC 8, 9, 10, 11, 12, 13, 14, 15, 16, and 17				0.13	0.25	U	
L1-E50-C009	IAAP138931					Floor BC 16, 17, 49, 48, 30, 31, 32, 33, 34, 35, 36, 37, 38, and 50				0.13	0.25	U	
L1-E50-C010	IAAP138932					Floor BC 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 50, 38, 39 40, 41, 46, and 47				0.13	0.25	U	
L1-E50-C011	IAAP139424					Wall BC 41, 42, 43, 44, and 45				0.13	0.25	U	
L1-E50-C012	IAAP139425					Wall BC 41 and 46				0.13	0.25	U	
L1-E50-C013	IAAP139426					Floor BC 41, 42, 43, 44, 45 and 46				0.13	0.25	U	
L1-E50-C016	IAAP139427					Wall BC 1, 2, 3, 4, 5, 6, 7, and 8				0.13	0.25	U	

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	2,4,6-TNT					
											Result	DL	VQ			
L1-E17-C002	IAAP112310						EU5	G	17	east wall BC 8, 9, and 10	0.25	0.3	=			
L1-E17-C011	IAAP131818					north wall BC 1, 2, and 3				0.19	0.25	U				
L1-E17-C009	IAAP131816					floor BC 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15 and 16				0.25	0.25	=				
L1-E17-C010	IAAP131817					floor BC 1, 2, 3, 4, 5, 16, and 17				0.24	0.25	U				
L1-E21-C001	IAAP112331						EU5	K	21	Wall BC 1 and 2	0.13	0.31	U			
L1-E21-C002	IAAP112332					Wall BC 2 and 3				0.16	0.31	U				
L1-E21-C004	IAAP112334					Wall BC 1 and 23				0.16	0.3	U				
L1-E21-C005	IAAP112335					Floor BC 1, 2, 3, 24, and 23				0.15	0.35	U				
L1-E21-C010-P4	IAAP131855					Wall BC 4, 5, and 6				0.18	0.25	U				
L1-E21-C011-P4	IAAP131856					Wall BC 19, 20, 21, and 22				0.13	0.25	U				
L1-E21-C012-P4	IAAP131857					Floor BC 3, 4, 5, 6, 7, 8, 9, 18, 19, 20, 21, 22, 23, and 24				0.13	0.25	U				
L1-E1-C014	IAAP132640					Wall BC 9, 10, 11, and 12				0.25	0.25	J				
L1-E1-C015	IAAP132641					Wall BC 13, 14, 15, 16, 17, and 18				0.05	0.25	U				
L1-E21-C017	IAAP133121					Floor BC 9, 10, 11, 12, 13, 14, 15, 16, 17, and 18				0.13	0.25	U				
L1-E21-C020	IAAP133122					Floor BC 25, 26, 27, and 28				0.13	0.25	U				
L1-E21-C021	IAAP133123					Wall BC 26 and 27				0.13	0.25	U				
L1-E21-C022	IAAP133124					Wall BC 25 and 28				0.13	0.25	U				
L1-E21-C023	IAAP133125					Wall BC 27 and 28				0.13	0.25	U				
L1-E21-C024	IAAP133126					Wall BC 25 and 26				0.13	0.25	U				
L1-E55-C001	IAAP144023									EU5	N	55	Wall BC 1 and 13	0.25	0.25	J
L1-E55-C004	IAAP144024					Wall BC 7 and 8	0.10	0.25	U							
L1-E55-C005	IAAP144025					Wall BC 6 and 7	0.25	0.25	J							
L1-E55-C006	IAAP144026					Floor BC 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, and 13	0.05	0.25	U							
L1-E55-C007	IAAP144027					Ramp BC 4, 5, 22 and 23	0.13	0.25	U							
L1-E55-C008	IAAP144028					Wall BC 19, 20, and 21 & BC 25 and 26	0.13	0.25	U							
L1-E55-C009	IAAP144029					Wall BC 14, 15, 27 and 28 & BC 1 and 2	0.25	0.25	=							
L1-E55-C010	IAAP144030					Wall BC 15 and 26	0.42	0.25	J							
L1-E55-C011	IAAP144031					Floor BC 14, 15, 26, 25, 16, 24, 17, 20, 21, 19, and 18	0.23	0.25	J							
L1-E56-C001	IAAP143936						EU5	O	56				Wall BC 1, 6, & 5	0.12	0.25	U
L1-E56-C002	IAAP143937					Wall BC 2, 3, & 4							0.13	0.25	U	
L1-E56-C003	IAAP143938					Wall BC 4 & 5				0.13	0.25	U				
L1-E56-C004	IAAP143939					Floor BC 1, 2, 3, 4, 5, & 6				0.13	0.25	U				

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	2,4,6-TNT		
											Result	DL	VQ
L1-E57-C001	IAAP144578						EU5	P	57	Wall BC 16 & 17	0.13	0.25	U
L1-E57-C002	IAAP144579					Wall BC 1 & 17				0.13	0.25	U	
L1-E57-C003	IAAP144580					Wall BC 15 & 16				0.13	0.25	U	
L1-E57-C004	IAAP144581					Floor BC 1, 15, 16 & 17				0.25	0.25	J	
L1-E57-C005	IAAP144582					Wall BC 13, 14, & 15				0.11	0.25	U	
L1-E57-C006	IAAP144583					Wall BC 12 & 13				0.25	0.25	=	
L1-E57-C007	IAAP144584					Wall BC 9, 10, 11, & 12				0.47	0.25	U	
L1-E57-C010	IAAP144585					Wall BC 5, 6, 7, 8, & 9				0.13	0.25	U	
L1-E57-C011	IAAP144586					Wall BC 3 & 4				0.25	0.25	J	
L1-E57-C012	IAAP144587					Floor BC 1, 2, 3, 8, 9, 10, 11, 12,13, 14, &15				0.16	0.25	J	
L1-E57-C013-P2	IAAP144941					Floor BC 3, 4, 5, 6, 7, & 8				0.12	0.25	U	
L1-E57-C014	IAAP144589					Wall BC 2 & 3				0.25	0.25	=	
L1-E57-C015	IAAP144590					Wall BC 1 & 2				0.30	0.25	U	

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	2,4,6-TNT		
											Result	DL	VQ
L1-E58-C008	IAAP151730						EU5	Q	58	Wall BC 18, 19, & 20	0.13	0.25	U
L1-E58-C009	IAAP151731									Wall BC 16, 17, & 18	0.13	0.24	U
L1-E58-C010	IAAP151732									Wall BC 6, 7, 8, & 9	0.12	0.23	U
L1-E58-C011	IAAP151733									Wall BC 9, 10, 11, & 12	0.12	0.24	U
L1-E58-C013	IAAP151735									Wall BC 12 & 13	0.12	0.24	U
L1-E58-C014	IAAP151736									Floor BC 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 16, 17, 18, 19, & 20	0.12	0.24	U
L1-E58-C015	IAAP151737									Wall BC 15 & 16	0.12	0.23	U
L1-E58-C016	IAAP151738									Wall BC 13 & 14	0.12	0.23	U
L1-E58-C017	IAAP151739									Wall BC 14 & 15	0.12	0.22	U
L1-E58-C018	IAAP151740									Floor BC 13, 14, 15, & 16	0.11	0.22	U
L1-E58-C022-P2	IAAP165446									Floor 21, 22, 23, 36, 37, 38, 31, 32, 34, & 35	0.11	0.25	U
L1-E58-C023-P3	IAAP165496									Wall BC 25 & 26	0.13	0.25	U
L1-E58-C028	IAAP157270									Wall BC 33 & 63	0.13	0.25	U
L1-E58-C029	IAAP157271									Wall BC 32 & 63	0.13	0.24	U
L1-E58-C030-P4	IAAP166001									Floor BC 26, 27, 28, 29, 30, 31, & 38	0.12	0.25	U
L1-E58-C031-P3	IAAP165556									Wall BC 26, 27, & 28	0.13	0.25	U
L1-E58-C032	IAAP157274									Wall BC 61 & 62	0.13	0.24	U
L1-E58-C034	IAAP157278									Wall BC 21 & 22	0.12	0.23	U
L1-E58-C035-P2	IAAP165445									Wall BC 21, 35, & 34	0.12	0.25	U
L1-E58-C036	IAAP165451									Wall BC 29, 30, 31, & 32	0.25	0.25	J
L1-E58-C037	IAAP165495									Wall BC 22, 23, 24 & 25	0.04	0.25	U
L1-E58-C038	IAAP165497									Floor BC 23, 24, 25, 26, 37, & 36	0.13	0.25	U
L1-E58-C039	IAAP166000									Wall BC 28 & 29	0.13	0.25	U
L1-E58-C040	IAAP166002									Wall BC 45, 46, 47, & 48	0.13	0.25	U
L1-E58-C043	IAAP166003									Floor BC 40, 41, 42, 43, 44, 45, 46, 47, & 48	0.13	0.25	U
L1-E58-C044	IAAP166004									Wall BC 40, 41, 42, & 43	0.13	0.25	U
L1-E58-C045-P2	IAAP166379									Wall 55, 56, 57, 58, 59 & 60	0.13	0.25	U
L1-E58-C046-P3	IAAP167012									Floor 50, 51, 52, 53, 54, 55, 56, 57, 58, 59 & 60	0.13	0.25	U
L1-E58-C047	IAAP166009									Wall 50, 51, 52, 53, 54, & 55	0.13	0.25	U
L1-E58-C048	IAAP167013									Wall BC 52 & 53	0.13	0.25	U
L1-E58-C049	IAAP167014						Wall BC 55, 56, & 57	0.13	0.25	U			
L1-E58-C001	IAAP150654						EU5	Q North	58	Wall BC 1 & 2	0.13	0.25	U
L1-E58-C002	IAAP150655									Wall BC 3 & 4	0.13	0.25	U
L1-E58-C003	IAAP150657									Floor BC 1, 2, 3, & 4	0.13	0.25	U
L1-E58-C004	IAAP150658									Wall BC 2 & 3	0.13	0.25	U
L1-E58-C005	IAAP150656									Wall BC 1 & 4	0.13	0.25	U

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	2,4,6-TNT		
											Result	DL	VQ
L1-E23-C009	IAAP137935						EU6	A	23	north wall BC7, 8, 9, 10, 11, and 12	0.25	0.25	=
L1-E23-C010-P2	IAAP138635					south wall BC 1, 2, 3, and 4				0.40	0.25	U	
L1-E23-C011	IAAP137937					west wall BC 4, 5, 6, and 7				0.25	0.25	=	
L1-E23-C012	IAAP137938					floor of EXC				1.80	0.25	=	
L1-E47-C001	IAAP138781						EU6	B	47	floor of EXC	1.55	0.25	U
L1-E47-C002	IAAP138782					north wall BC 9, 10, 11, 12, and 1				0.13	0.25	U	
L1-E47-C003	IAAP138783					east wall BC 1, 2, and 3				0.13	0.25	U	
L1-E47-C004	IAAP138784					south wall BC 3, 4, 5, 6, and 7				0.13	0.25	U	
L1-E47-C005	IAAP138785					west wall BC 7, 8, and 9				0.13	0.25	U	
L1-E49-C001	IAAP138902						EU6	C	49	Floor BC 40, 41, 42, and 43	0.13	0.25	U
L1-E49-F001	IAAP138917					Wall BC 42 and 43				0.13	0.25	U	
L1-E49-C002	IAAP139501					Floor BC 36, 37, 38, and 39				0.13	0.25	U	
L1-E49-C003	IAAP139502					Wall BC 36 and 39				0.13	0.25	U	
L1-E49-C004	IAAP139828					Wall BC 31, 32, and 33				0.13	0.25	U	
L1-E49-C005-P2	IAAP140363					Wall BC 20, 22, 23, 24, 25, 26, 27, 30, and 31				0.13	0.25	U	
L1-E49-C006	IAAP139830					Wall BC 1, 2, 3, 4, 5, 6, 7, and 8				0.13	0.25	U	
L1-E49-C009	IAAP139831					Floor BC 1, 2, 3, 4, 5, 6, 7, 8, 29, 28, 27, 30, 31, 32, 33, 34, and 35				0.13	0.25	U	
L1-E49-C010-P2	IAAP140362					Floor BC 8, 9, 10, 11, 12, 21, 20, 22, 23, 24, 25, 26, 27, 28, and 29				0.13	0.25	U	
L1-E49-C011	IAAP139833					Wall BC 8, 9, 10, 11, and 12				0.13	0.25	U	
L1-E49-C012	IAAP139991					Wall BC 18, 19, and 20				0.13	0.25	U	
L1-E49-C013	IAAP139992					Wall BC 12, 13, 14, and 15				0.13	0.25	U	
L1-E49-C014	IAAP139993					Wall BC 15, 16, 17, and 18				0.13	0.25	U	
L1-E49-C015	IAAP139994					Floor BC 12, 13, 14, 15, 16, 17, 18, 19, 20, and 21				0.13	0.25	U	
L1-E51-C001	IAAP139117									EU6	D	51	Wall BC 1, 2, 3, and 4
L1-E51-C004	IAAP139118					Wall BC 4, 5, 6, and 7	0.13	0.25	U				
L1-E51-C005	IAAP139119					Wall BC 7, 8, and 9	0.13	0.25	U				
L1-E51-C006	IAAP139120					Wall BC 9, 10, and 1	0.13	0.25	U				
L1-E51-C007	IAAP139121					Floor BC 1, 2, 3, 4, 5, 6, 7, 8, 9, and 10	0.13	0.25	U				

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	2,4,6-TNT		
											Result	DL	VQ
L1-E24/25-C001	IAAP132628						EU7	A & B	24 & 25	Floor BC 20, 21, 22 & 23	0.13	0.25	U
L1-E24/25-C002	IAAP132629					Floor BC 13, 14, 15, 16, 17, 18, 19, 20, 23, & 24				0.13	0.25	U	
L1-E24/25-C003	IAAP132630					Floor BC 24, 26, 27, 28, 29, & 25				0.13	0.25	U	
L1-E24/25-C004	IAAP132631					Floor BC 11, 12, 13, 24, 25, & 29				0.13	0.25	U	
L1-E24/25-C005	IAAP132632					Floor BC 30, 53, 54, & 31				0.13	0.25	U	
L1-E24/25-C006	IAAP132633					Floor BC 8, 9, 10, 11, 29, 30, 31, & 32				0.13	0.25	U	
L1-E24/25-C009-P2	IAAP133094					Wall BC 17, 18, 19, & 20				0.13	0.25	U	
L1-E24/25-C010	IAAP132635					Wall BC 8, 9, 10, 11, 12, 13, 14, 15, 16, & 17				0.13	0.25	U	
L1-E24/25-C011	IAAP132636					Floor BC 1, 2, 3, 4, 5, 6, 44, 36, 37, 38, 39, 40, 41, 42, & 43				0.25	0.25	=	
L1-E24/25-C012	IAAP131881					Floor BC 6, 7, 8, 32, 33, 34, 46, 45, 36, & 44				0.25	0.25	J	
L1-E24/25-C013	IAAP131882					Wall BC 40, 41, 42, 43, & 1				0.06	0.25	U	
L1-E24/25-C014	IAAP131883					Wall BC 32 & 33				0.13	0.25	U	
L1-E24/25-C015	IAAP131884					Wall BC 2, 3, 4, 5, 6, 7, & 8				0.13	0.25	U	
L1-E24/25-C016-P2	IAAP133095					Wall BC 36, 37, 38, 39, & 40				0.13	0.25	U	
L1-E24/25-C017-P2	IAAP133096					Wall BC 33 & 34				0.13	0.25	U	
L1-E24/25-C018	IAAP140465					Wall BC 45, 36, 35, 52, & 51				0.13	0.25	U	
L1-E24/25-C021	IAAP140466					Wall BC 48 & 49				0.13	0.25	U	
L1-E24/25-C022	IAAP140467					Wall BC 46, 34, 47, & 48				0.13	0.25	U	
L1-E24/25-C023	IAAP140468					Wall BC 49, 50, & 51				0.13	0.25	U	
L1-E24/25-C024	IAAP140469					Floor BC 35, 34, 47, 48, 49, 50, 51, & 52				0.13	0.25	U	
L1-E24/25-C025-P2	IAAP141196					Floor BC 34, 35, 45, & 46				0.13	0.25	U	

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	2,4,6-TNT		
											Result	DL	VQ
L1-E24/25-CO26	IAAP151199						EU7	A & B North	24 & 25	Wall BC 24 & 25	0.13	0.23	U
L1-E24/25-CO27	IAAP151200					Wall BC 22, 23, & 24				0.12	0.24	U	
L1-E24/25-CO28	IAAP151201					Wall BC 25, 26, 27, & 28				0.12	0.25	U	
L1-E24/25-CO29	IAAP151202					Floor BC 22, 23 24, 25, 26, 27, & 28				0.13	0.25	U	
L1-E24/25-C031	IAAP151488					Floor BC 3, 4, 5, 10, 11 12 13, 14, & 15				0.13	0.25	U	
L1-E24/25-C032	IAAP151489					Wall BC 4 & 5				0.13	0.23	U	
L1-E24/25-C033	IAAP151490					Wall BC 20 & 21				0.12	0.24	U	
L1-E24/25-C034	IAAP151491					Wall BC 19 & 20				0.12	0.25	U	
L1-E24/25-C036	IAAP151493					Wall BC 17 & 18				0.13	0.25	U	
L1-E24/25-C037	IAAP151494					Wall BC 3 & 4				0.13	0.24	U	
L1-E24/25-C040	IAAP151495					Ramp BC 1, 2, 3, 15, & 16				0.24	0.25	=	
L1-E24/25-C041	IAAP151496					Wall BC 2 & 3				0.24	0.25	U	
L1-E24/25-C043	IAAP151498					Wall BC 12, 13, 14, & 15				0.13	0.24	U	
L1-E24/25-C044	IAAP151499					Wall BC 11 & 12				0.12	0.25	U	
L1-E24/25-C030-P2	IAAP151698					Floor BC 17, 18, 19, 20, & 21				0.13	0.25	U	
L1-E24/25-C035-P2	IAAP151697					Wall BC 18 & 19				0.13	0.25	U	
L1-E24/25-C042-P2	IAAP151699					Wall BC 1, 16 & 15				0.13	0.24	U	
L1-E24/25-C045	IAAP151700					Wall BC 8, 9, 10, & 11				0.12	0.24	U	
L1-E24/25-C046	IAAP151701					Ramp BC 5, 6, 7, 8, 9, & 10				0.12	0.24	U	
L1-E24/25-C049	IAAP151702					Wall BC 5 & 6				0.12	0.25	U	
L1-E24/25-C050	IAAP151703					Wall BC 6 & 7	0.13	0.25	U				
L1-E26-C001	IAAP112372						EU7	C	26	north wall BC 1 and 4	0.13	0.32	U
L1-E26-C002	IAAP112373					east wall BC 1 and 2				0.16	0.33	U	
L1-E26-C003	IAAP112374					south wall BC 2 and 3				0.17	0.31	U	
L1-E26-C004	IAAP112375					west wall BC 3 and 4				0.16	0.32	U	
L1-E26-C005	IAAP112376					floor of EXC				0.16	0.34	U	
L1-E27-C001-P3	IAAP138933						EU7	D	27	Wall BC 18 and 19	0.17	0.25	U
L1-E27-C003-P4	IAAP139431					Wall BC 5, 21, and 11 & Wall BC 6, 7, and 8				0.17	0.25	U	
L1-E27-C004-P3	IAAP138936					Wall BC 8, 9, 10, 11 and 12 & BC 13 and 14 & BC 17 and 18				0.25	0.25	=	
L1-E27-C005-P3	IAAP138937					Floor BC 11, 12, 13, 14, 15, 16, 17, 18, 19, and 21				0.13	0.25	U	
L1-E27-C009	IAAP138935					Wall BC 19 and 21				0.41	0.25	U	
L1-E27-C010-P2	IAAP139428					Wall BC 2, 3, 4, 5, and 6				0.13	0.25	U	
L1-E27-C011-P2	IAAP139429					Floor BC 3, 4, 5, 21, and 19				0.13	0.25	U	
L1-E27-C012	IAAP139430					Ramp BC 1, 2, 3, 19, and 20				0.13	0.25	U	
L1-E27-C013	IAAP139432					Floor BC 5, 6, 7, 8, 10, 11, and 21				0.13	0.25	U	
L1-E27-C014	IAAP139433					Wall BC 14, 15, 16, and 17				0.13	0.25	U	
L1-E27-C015	IAAP139434					Wall BC 12 and 13				0.13	0.25	U	
L1-E27-C016	IAAP140304					Boreholes west of steam line				0.13	0.25	U	

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	2,4,6-TNT		
											Result	DL	VQ
L1-E53-C001	IAAP139789						EU7	E	53	Wall BC 37, 38, 39, 40, 41, & 42	0.13	0.25	U
L1-E53-C002	IAAP139825									Wall BC 42 & 43	0.13	0.25	U
L1-E53-C003	IAAP139826									Wall BC 37, 53, 52, & 51	0.13	0.25	U
L1-E53-C004	IAAP139827									Floor BC 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, & 53	0.13	0.25	U
L1-E53-C005-P2	IAAP146016									Wall BC 2 & 3	0.13	0.25	U
L1-E53-C006	IAAP144924									Wall BC 3 & 4	0.13	0.25	U
L1-E53-C007	IAAP144925									Wall BC 4, 5, & 6	0.13	0.25	U
L1-E53-C008-P2	IAAP146017									Wall BC 6 & 7	0.13	0.25	U
L1-E53-C009-P2	IAAP146018									Wall BC 7, 8, & 9	0.13	0.25	U
L1-E53-C010	IAAP144928									Wall BC 9 & 10	0.13	0.25	U
L1-E53-C011	IAAP144929									Wall BC 10 & 11	0.13	0.25	U
L1-E53-C012	IAAP144930									Wall BC 11 & 12	0.13	0.25	U
L1-E53-C013	IAAP144931									Wall BC 13 & 14	0.13	0.25	U
L1-E53-C014	IAAP144932									Wall BC 14 & 15	0.13	0.25	U
L1-E53-C015	IAAP144933									Wall BC 17 & 18	0.13	0.25	U
L1-E53-C016	IAAP144934									Wall BC 18, 19, 20, & 21	0.13	0.25	U
L1-E53-C017	IAAP144935									Wall BC 21 & 22	0.13	0.25	U
L1-E53-C018-P2	IAAP146019									Wall BC 29, 30, 1, 2, 50 & 51	0.25	0.25	=
L1-E53-C019-P2	IAAP146020									Floor BC 16, 17, 18, 19, 20, & 36	0.13	0.25	U
L1-E53-C020	IAAP144938									Floor BC 9, 10, 11, 12, 13, 14, & 15	0.80	0.25	U
L1-E53-C023-P2	IAAP146021						Floor BC 1, 6, 7, 8, 9, 16, 36, 20, 21, 22, 29, & 30	0.13	0.25	U			
L1-E53-C024	IAAP144940						Floor BC 1, 2, 3, 4, 5, & 6	0.13	0.25	U			
L1-E53-C025	IAAP145144						Ramp BC 22, 23, 24, 25, 26, 27, 28, & 29	0.13	0.25	U			
L1-E53-C026	IAAP145145						Wall BC 22, 23, 24,& 25	0.13	0.25	U			
L1-E53-C027	IAAP145146						Wall BC 26, 27, 28, & 29	0.13	0.25	U			
L1-E53-C028-P2	IAAP146023						Wall BC 31 & 35	0.13	0.25	U			
L1-E53-C029-P2	IAAP146025						Wall BC 34 & 35	0.13	0.25	U			
L1-E53-C030-P2	IAAP146022						Floor BC 31, 32, 33, 34, & 35	0.13	0.25	U			
L1-E53-C031	IAAP146024						Wall BC 31, 32, & 33	0.13	0.25	U			
L1-E32-C005-P2	IAAP150228						EU9	B	32	Wall BC 5 & 6	0.25	0.25	=
L1-E32-C007-P2	IAAP150232									Floor BC 4, 5, 6, 7, 8,30, 31, & 23	0.25	0.25	J
L1-E32-C0011	IAAP150225									Floor BC 13, 14, 15, 16, 17, & 18	0.22	0.25	U
L1-E32-C0012	IAAP150226									Wall BC 16 & 17	0.09	0.25	U
L1-E32-C001-P3	IAAP150647									Ramp BC 1, 2, 3, 4, 23, 24, 25, 26, 27, 28, & 29	0.13	0.25	U
L1-E32-C006-P3	IAAP150651									Wall BC 22, 31, 23, 24, & 25	0.25	0.25	=
L1-E32-C008-P2	IAAP150650									Floor BC 8, 9, 10, 32, 11, 12, 13 18, 19, 20, 21, 22, 31, & 30	0.25	0.25	=
L1-E32-C013-P2	IAAP150653									Wall BC 32, 11, 12, 13, 14, 15, & 16	0.13	0.25	U
L1-E32-C014	IAAP150648									Wall BC 1, 2, 3, & 4	3.50	0.25	U
L1-E32-C015	IAAP150649									Wall BC 4 & 5	0.13	0.25	U
L1-E32-C016	IAAP150652						Wall BC 18, 19, 20, 21, & 22	0.25	0.25	=			

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	2,4,6-TNT		
											Result	DL	VQ
L1-E33-C006	IAAP150233						EU9B	C	33	Wall BC 10, 11, & 12	0.13	0.25	U
L1-E33-C007	IAAP150234					Wall BC 8, 9, & 10				0.23	0.25	U	
L1-E33-C008	IAAP150235					Floor BC 9, 10, 11, 12, 13, 14, 15, 30, 16, 17, 18, & 22				0.13	0.25	U	
L1-E33-C009	IAAP150236					Floor BC 7, 8, 9, 22, 18, 19, 20, & 21				0.13	0.25	U	
L1-E33-C010	IAAP150237					Wall BC 30, 16, 17, & 18				0.13	0.25	U	
L1-E32-C011-P2	IAAP150667					Wall BC 18, 19, 20, 26, 27, & 4				0.13	0.25	U	
L1-E32-C012	IAAP150659					Floor BC 1, 2, 3, 4, 29, 5, & 6				0.13	0.25	U	
L1-E32-C013	IAAP150660					Wall BC 1, 6, 5, & 29				0.13	0.25	U	
L1-E32-C015	IAAP150662					Wall BC 4 & 29				0.13	0.25	U	
L1-E32-C016	IAAP150663					Wall BC 3 & 23				0.13	0.25	U	
L1-E32-C017	IAAP150664					Wall 24, 25, & 26				0.13	0.25	U	
L1-E32-C018	IAAP150665					Wall 3, 28, & 27				0.13	0.25	U	
L1-E32-C019	IAAP150666					Floor BC 3, 23, 24, 25, 26, 27, & 28				0.13	0.25	U	
L1-E33-C020-P2	IAAP151144					Wall BC 8, 7, 24 & 23				0.13	0.25	U	
L1-E33-C023	IAAP151197					Wall BC 2 & 3				0.13	0.24	U	
L1-E33-C024	IAAP151198					Wall BC 1 & 2				0.13	0.24	U	
L1-E52-C001	IAAP139785									EU9B	D	52	East Wall BC 6, 7, & 8
L1-E52-C002	IAAP139786					South Wall BC 8, 9, 10, 11, 12, 13, & 14	0.12	0.25	U				
L1-E52-C003	IAAP139787					West Wall BC 14, 15, 16, 17, & 18	0.13	0.25	U				
L1-E52-C004	IAAP139788					Floor BC 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, & 22	0.13	0.25	U				
L1-E59-C001	IAAP146026						EU9B	E	59	Floor BC 1, 2, 3, 4, 5, 6, 7, 8, 9, & 10	0.13	0.25	U
L1-E59-C004	IAAP146027					Wall BC 7, 8, & 9				0.13	0.25	U	
L1-E59-C005-P2	IAAP146245					Wall BC 6 & 7				0.13	0.25	U	
L1-E59-C006	IAAP146029					Wall BC 5 & 6				0.13	0.25	U	
L1-E59-C007	IAAP146030					Wall BC 10, 1, 2, 3, 4, & 5				0.13	0.25	U	
L1-E36-C001	IAAP112472						EU9D	A	36	NE wall BC 1 and 8	0.13	0.3	U
L1-E36-C002	IAAP112473					SE wall BC 1 and 2; 3, 5, and 6				0.13	0.33	U	
L1-E36-C003	IAAP112474					SW wall BC 2 and 3; 6a and 7				0.15	0.29	U	
L1-E36-C004	IAAP112475					NW wall BC 7 and 8				0.17	0.29	U	
L1-E36-C005	IAAP112476					floor of EXC				0.15	0.29	U	
L1-E37-C001	IAAP112477						EU9D	B	37	NE wall BC 4, 5, 6, and 1	0.15	0.3	U
L1-E37-C002	IAAP112478					SE wall BC 1 and 2				0.15	0.31	U	
L1-E37-C003	IAAP112479					SW wall BC 2 and 3				0.15	0.3	U	
L1-E37-C004	IAAP112480					NW wall BC 3 and 4				0.16	0.29	U	
L1-E37-C005	IAAP112481					floor of EXC				0.15	0.31	U	

Notes:

Field duplicates removed.

Maximums of dilution and parent results used.

VQ symbols indicate: “=” positive identification, positive quantitation, no reason to estimate, “U” non-detect, no reason to estimate, “J” positive identification, estimated quantitation, “UJ” analyte was not detected and had QC deficiencies.

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	HMX		
											Result	DL	VQ
IAAP100010	IAAP100010	691780.86	93099.7	03/28/07	0	0.5					0.06	0.27	J
IAAP100011	IAAP100011	691787.31	93095.73	03/28/07	0	0.5					0.16	0.32	U
IAAP100012	IAAP100012	691778.68	93098.89	03/29/07	0	0.5					0.18	0.35	U
IAAP100013	IAAP100013	691779.96	93101.82	03/29/07	0	0.5					0.14	0.27	U
IAAP100031	IAAP100031	691727.31	93292.52	03/29/07	0	0.5					81.00	0.3	=
IAAP100034	IAAP100034	691728.18	93296.62	03/29/07	0	0.5					0.42	0.31	=
IAAP100035	IAAP100035	692005.58	92968.44	03/23/07	0	0.5					0.17	0.33	U
IAAP100037	IAAP100037	692014.14	92937.77	03/23/07	0	0.5					0.15	0.3	U
IAAP100038	IAAP100038	692031.34	92874.43	03/23/07	0	0.5					0.19	0.37	U
IAAP100039	IAAP100039	692024.18	92862.93	03/23/07	0	0.5					0.17	0.34	U
IAAP100040	IAAP100040	692000.86	92882.82	03/23/07	0	0.5					0.16	0.32	U
IAAP100041	IAAP100041	691961.46	92932.89	03/23/07	0	0.5					0.15	0.29	U
IAAP100042	IAAP100042	691968.62	92956.24	03/23/07	0	0.5					0.16	0.31	U
IAAP100077	IAAP100077	691941.41	92682.71	04/15/07	0	0.5					0.39	0.33	J
IAAP100080	IAAP100080	691883.53	92828.33	04/16/07	0	0.5					0.16	0.32	UJ
IAAP100081	IAAP100081	691880.11	92824.77	04/16/07	0	0.5					0.15	0.3	U
IAAP100082	IAAP100082	691846	92975.9	04/12/07	0	0.5					0.33	0.31	J
IAAP100083	IAAP100083	691833.02	92985.13	04/12/07	0	0.5					3.80	0.34	J
IAAP100084	IAAP100084	691817.45	92952.64	04/12/07	0	0.5					1.60	0.33	J
IAAP100085	IAAP100085	691825.93	92962.89	04/12/07	0	0.5					0.19	0.38	UJ
IAAP100086	IAAP100086	691816.47	92969.84	04/12/07	0	0.5					0.17	0.34	UJ
IAAP100089	IAAP100089	691777.81	92877.46	04/12/07	0	0.5					0.19	0.38	UJ
IAAP100090	IAAP100090	691736.11	92729.43	04/12/07	0	0.5					0.18	0.36	UJ
IAAP100091	IAAP100091	691735.21	92735.25	04/12/07	0	0.5					0.18	0.36	UJ
IAAP100092	IAAP100092	691738.56	92729.19	04/12/07	0	0.5					0.17	0.34	UJ
IAAP100093	IAAP100093	691685.73	92756.51	04/12/07	0	0.5					1.80	0.41	J
IAAP100094	IAAP100094	691692.38	92751.73	04/12/07	0	0.5					0.17	0.33	UJ
IAAP100097	IAAP100097	692027.57	92531.96	04/15/07	0	0.5					0.17	0.34	UJ
IAAP103929	IAAP103929	691846	92975.9	05/30/07	0	0.5					0.15	0.3	UJ
IAAP103933	IAAP103933	691894.16	92815.81	06/05/07	0	0.5					0.15	0.29	U
IAAP103934	IAAP103934	691888.07	92827.71	06/05/07	0	0.5					0.17	0.33	U
IAAP103935	IAAP103935	691882.21	92826.3	06/05/07	0	0.5					0.79	0.31	=
IAAP103937	IAAP103937	691786	92883	05/30/07	0	0.5					33.00	0.34	J
IAAP103945	IAAP103945	691737.12	92730.82	06/05/07	0	0.5					0.16	0.31	UJ
IAAP103946	IAAP103946	691713.63	92731.28	06/05/07	0	0.5					0.15	0.3	UJ
IAAP103947	IAAP103947	691671.41	92853.69	05/30/07	0	0.5					0.17	0.33	UJ
IAAP103955	IAAP103955	691976	92478	06/05/07	1	2					0.40	0.32	J
IAAP103955	IAAP103956	691976	92478	06/05/07	2	4					0.16	0.32	UJ
IAAP103960	IAAP103960	692036.54	92387.64	06/05/07	0	0.5					0.17	0.33	UJ
IAAP103961	IAAP103961	692032.45	92380.16	06/05/07	0	0.5					0.17	0.34	UJ
IAAP103962	IAAP103962	692031.92	92387.59	05/31/07	0	0.5					0.16	0.32	UJ
IAAP103966	IAAP103966	692011.9	92389.25	05/31/07	0	0.5					0.16	0.31	UJ

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	HMX		
											Result	DL	VQ
IAAP103985	IAAP103985	691740.96	92254.55	06/05/07	0	0.5					0.16	0.32	UJ
IAAP103986	IAAP103986	691694.87	92264.54	06/05/07	0	0.5					0.16	0.32	UJ
IAAP100042	IAAP103994	691968.62	92956.24	06/05/07	2	3					0.15	0.29	U
IAAP100041	IAAP103995	691961.46	92932.89	06/05/07	1	2					0.15	0.3	U
IAAP100035	IAAP103996	692005.58	92968.44	06/05/07	1	2					0.15	0.29	U
IAAP105943	IAAP105943	691813	92938	10/16/07	2	4					0.35	0.32	=
IAAP105943	IAAP105944	691813	92938	10/16/07	4	6					0.40	0.32	J
IAAP105960	IAAP105960	691945.85	92684.41	10/16/07	2	4					0.16	0.31	U
IAAP105962	IAAP105962	691936.3	92683.35	10/16/07	2	4					0.14	0.28	U
IAAP105964	IAAP105964	692019.34	92419.21	10/16/07	1	2					2.10	0.3	=
IAAP96927	IAAP111632	691998.35	92979.48	09/23/08	0	0.5					0.17	0.33	U
IAAP111640	IAAP111640	691877.22	93004.64	09/24/08	0	0.5					0.13	0.26	U
IAAP111641	IAAP111641	691884.21	92997.58	09/24/08	0	0.5					7.30	0.28	=
IAAP111642	IAAP111642	691886.13	92986.85	09/24/08	0	0.5					330.00	2.7	=
IAAP103924	IAAP111643	691875.87	92999.03	09/24/08	1	2					0.99	0.31	=
IAAP111646	IAAP111646	691813.97	92960.93	09/24/08	0	2					0.45	0.31	=
IAAP111646	IAAP111647	691813.97	92960.93	09/24/08	2	4					0.65	0.33	=
IAAP111646	IAAP111648	691813.97	92960.93	09/24/08	4	6					0.48	0.32	=
IAAP100084	IAAP111649	691817.45	92952.64	09/24/08	0.5	2					0.16	0.32	U
IAAP100084	IAAP111650	691817.45	92952.64	09/24/08	2	4					0.16	0.32	U
IAAP100084	IAAP111651	691817.45	92952.64	09/24/08	4	6					0.16	0.32	U
IAAP111652	IAAP111652	691848.62	92980.16	09/24/08	0	1					0.15	0.3	U
IAAP111652	IAAP111653	691848.62	92980.16	09/24/08	1	2					0.16	0.31	U
IAAP111655	IAAP111655	691895.09	92825.42	09/25/08	0	0.5					0.16	0.32	U
IAAP111663	IAAP111663	691685.3	92748	09/23/08	0	0.5					0.18	0.35	U
IAAP111666	IAAP111666	691678.31	92547.43	09/23/08	0	1					0.17	0.33	U
IAAP111666	IAAP111667	691678.31	92547.43	09/23/08	1	2					0.17	0.33	U
IAAP111666	IAAP111668	691678.31	92547.43	09/23/08	2	4					0.16	0.32	U
IAAP111670	IAAP111670	691927.99	92676.85	09/23/08	0	2					0.16	0.31	U
IAAP111670	IAAP111671	691927.99	92676.85	09/23/08	2	4					1.10	0.29	=
IAAP111672	IAAP111672	691939.08	92675.99	09/23/08	0	2					0.16	0.31	U
IAAP111672	IAAP111673	691939.08	92675.99	09/23/08	2	4					0.49	0.31	=
IAAP111679	IAAP111679	692014	92397	09/23/08	0	1					0.17	0.34	U
IAAP111679	IAAP111680	692014	92397	09/23/08	1	2					0.17	0.33	U
IAAP111681	IAAP111681	692018.19	92383.4	09/23/08	0	1					0.17	0.33	U
IAAP111681	IAAP111682	692018.19	92383.4	09/23/08	1	2					0.17	0.33	U
IAAP111721	IAAP111721	691752.34	92256.02	09/22/08	0	0.5					0.15	0.3	U
IAAP111722	IAAP111722	691750.74	92261.62	09/22/08	0	0.5					0.15	0.3	U
IAAP130287	IAAP130287	691817.89	92964.9	09/07/10	9.9	10.4					0.13	0.25	U
IAAP130287	IAAP130288	691817.89	92964.9	09/07/10	11	12					0.13	0.25	U

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	HMX		
											Result	DL	VQ
IAAP130287	IAAP130289	691817.89	92964.9	09/07/10	12	13					0.13	0.25	U
IAAP97020	IAAP130333	691695	92744	09/09/10	1	2					0.13	0.25	U
IAAP97020	IAAP130334	691695	92744	09/09/10	2	3					0.13	0.25	U
IAAP97020	IAAP130335	691695	92744	09/09/10	3	4					0.13	0.25	U
IAAP97020	IAAP130336	691695	92744	09/09/10	4	5					0.13	0.25	U
IAAP97020	IAAP130337	691695	92744	09/09/10	5	6					0.13	0.25	U
IAAP97020	IAAP130338	691695	92744	09/09/10	6	7					0.13	0.25	U
IAAP97020	IAAP130339	691695	92744	09/09/10	7	8					0.13	0.25	U
IAAP97020	IAAP130340	691695	92744	09/09/10	8	9					0.06	0.25	J
IAAP130342	IAAP130342	691691	92737	09/09/10	0	1					0.13	0.25	U
IAAP130342	IAAP130343	691691	92737	09/09/10	1	2					0.13	0.25	U
IAAP130342	IAAP130344	691691	92737	09/09/10	2	3					0.13	0.25	U
IAAP130342	IAAP130345	691691	92737	09/09/10	3	4					0.13	0.25	U
IAAP130342	IAAP130346	691691	92737	09/09/10	4	5					0.10	0.25	J
IAAP130342	IAAP130347	691691	92737	09/09/10	5	6					0.13	0.25	U
IAAP130342	IAAP130348	691691	92737	09/09/10	6	7					0.13	0.25	U
IAAP130342	IAAP130349	691691	92737	09/09/10	7	8					0.13	0.25	U
IAAP130342	IAAP130350	691691	92737	09/09/10	8	9					0.13	0.25	U
IAAP130342	IAAP130351	691691	92737	09/09/10	9	10					0.13	0.25	U
IAAP97029	IAAP130367	691930	92683	09/08/10	1	2					0.05	0.25	J
IAAP97029	IAAP130368	691930	92683	09/08/10	2	3					0.11	0.25	J
IAAP97029	IAAP130369	691930	92683	09/08/10	3	4					0.06	0.25	J
IAAP97029	IAAP130370	691930	92683	09/08/10	4	5					0.13	0.25	U
IAAP97029	IAAP130371	691930	92683	09/08/10	5	6					0.13	0.25	U
IAAP97029	IAAP130372	691930	92683	09/08/10	6	7					0.13	0.25	U
IAAP97029	IAAP130373	691930	92683	09/08/10	7	8					0.13	0.25	U
IAAP111670	IAAP130374	691927.99	92676.85	09/14/10	4	5					0.13	0.25	U
IAAP111670	IAAP130375	691927.99	92676.85	09/14/10	5	6					0.13	0.25	U
IAAP111670	IAAP130376	691927.99	92676.85	09/14/10	6	7					0.13	0.25	U
IAAP111670	IAAP130377	691927.99	92676.85	09/14/10	7	8					0.04	0.25	J
IAAP105964	IAAP130414	692019.34	92419.21	09/09/10	0	1					0.08	0.25	J
IAAP105964	IAAP130415	692019.34	92419.21	09/09/10	2	3					0.27	0.25	=
IAAP105964	IAAP130416	692019.34	92419.21	09/09/10	3	4					0.23	0.25	J
IAAP105964	IAAP130417	692019.34	92419.21	09/09/10	4	5					0.24	0.25	J
IAAP105964	IAAP130418	692019.34	92419.21	09/09/10	5	6					0.14	0.25	J
IAAP105964	IAAP130419	692019.34	92419.21	09/09/10	6	7					0.16	0.25	J
IAAP105964	IAAP130420	692019.34	92419.21	09/09/10	7	8					0.10	0.25	J
IAAP105964	IAAP130421	692019.34	92419.21	09/09/10	8	9					0.18	0.25	J
IAAP130422	IAAP130430	692016.33	92408.51	09/13/10	8	9					0.00		
IAAP99934	IAAP130431	692030.09	92396.58	09/08/10	2	3					0.13	0.25	U

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	HMX		
											Result	DL	VQ
IAAP99934	IAAP130432	692030.09	92396.58	09/08/10	3	4					0.13	0.25	U
IAAP99934	IAAP130433	692030.09	92396.58	09/08/10	4	5					0.13	0.25	U
IAAP99934	IAAP130434	692030.09	92396.58	09/08/10	5	6					0.13	0.25	U
IAAP99934	IAAP130435	692030.09	92396.58	09/08/10	6	7					0.13	0.25	U
IAAP130436	IAAP130436	692033.78	92397.78	09/08/10	0	1					0.13	0.25	U
IAAP130436	IAAP130437	692033.78	92397.78	09/08/10	1	2					0.13	0.25	U
IAAP130436	IAAP130438	692033.78	92397.78	09/08/10	2	3					0.13	0.25	U
IAAP130436	IAAP130439	692033.78	92397.78	09/08/10	3	4					0.13	0.25	U
IAAP130436	IAAP130440	692033.78	92397.78	09/08/10	4	5					0.13	0.25	U
IAAP130436	IAAP130441	692033.78	92397.78	09/08/10	5	6					0.13	0.25	U
IAAP130436	IAAP130442	692033.78	92397.78	09/08/10	6	7					0.13	0.25	U
IAAP130461	IAAP130461	692011.4	92416.21	09/13/10	0	1					0.25	0.25	=
IAAP130461	IAAP130462	692011.4	92416.21	09/13/10	1	2					0.13	0.25	J
IAAP130461	IAAP130463	692011.4	92416.21	09/13/10	2	3					0.10	0.25	J
IAAP130461	IAAP130464	692011.4	92416.21	09/13/10	3	4					0.12	0.25	J
IAAP130461	IAAP130465	692011.4	92416.21	09/13/10	4	5					0.09	0.25	J
IAAP130461	IAAP130466	692011.4	92416.21	09/13/10	5	6					0.07	0.25	J
IAAP130461	IAAP130467	692011.4	92416.21	09/13/10	6	7					0.05	0.25	J
IAAP130461	IAAP130468	692011.4	92416.21	09/13/10	7	8					0.06	0.25	J
IAAP130461	IAAP130469	692011.4	92416.21	09/13/10	8	9					0.09	0.25	J
IAAP132548	IAAP132548	691985.39	92461.61	12/07/10	0	1					0.82	0.25	=
IAAP132548	IAAP132549	691985.39	92461.61	12/07/10	1	2					0.62	0.25	=
IAAP132548	IAAP132550	691985.39	92461.61	12/07/10	2	3					0.16	0.25	J
IAAP132548	IAAP132551	691985.39	92461.61	12/07/10	3	4					0.34	0.25	=
IAAP132548	IAAP132552	691985.39	92461.61	12/07/10	4	5					0.41	0.25	=
IAAP132548	IAAP132553	691985.39	92461.61	12/07/10	5	6					0.30	0.25	=
IAAP132554	IAAP132554	692017.39	92419.47	12/08/10	0	1					0.12	0.25	J
IAAP132554	IAAP132555	692017.39	92419.47	12/08/10	1	2					0.05	0.25	J
IAAP132554	IAAP132556	692017.39	92419.47	12/08/10	2	3					0.07	0.25	J
IAAP132554	IAAP132557	692017.39	92419.47	12/08/10	3	4					0.14	0.25	J
IAAP132554	IAAP132558	692017.39	92419.47	12/08/10	4	5					0.08	0.25	J
IAAP132554	IAAP132559	692017.39	92419.47	12/08/10	5	6					0.13	0.25	U
IAAP132560	IAAP132560	692009.98	92408.8	12/07/10	0	1					0.46	0.25	=
IAAP132560	IAAP132561	692009.98	92408.8	12/07/10	1	2					0.58	0.25	=
IAAP132560	IAAP132562	692009.98	92408.8	12/07/10	2	3					0.80	0.25	=
IAAP132560	IAAP132563	692009.98	92408.8	12/07/10	3	4					0.80	0.25	=
IAAP132560	IAAP132564	692009.98	92408.8	12/07/10	4	5					0.12	0.25	J
IAAP132560	IAAP132565	692009.98	92408.8	12/07/10	5	6					0.09	0.25	J
IAAP132566	IAAP132566	692020.12	92377.24	12/07/10	0	1					0.10	0.25	J
IAAP132566	IAAP132567	692020.12	92377.24	12/07/10	1	2					0.08	0.25	J

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	HMX		
											Result	DL	VQ
IAAP132566	IAAP132568	692020.12	92377.24	12/07/10	2	3					0.06	0.25	J
IAAP132566	IAAP132569	692020.12	92377.24	12/07/10	3	4					0.07	0.25	J
IAAP132566	IAAP132570	692020.12	92377.24	12/07/10	4	5					0.13	0.25	U
IAAP132566	IAAP132571	692020.12	92377.24	12/07/10	5	6					2.10	0.25	=
IAAP132584	IAAP132584	691993.3	92446.6	12/07/10	0	1					0.13	0.25	U
IAAP132584	IAAP132585	691993.3	92446.6	12/07/10	1	2					0.09	0.25	J
IAAP132584	IAAP132586	691993.3	92446.6	12/07/10	2	3					0.14	0.25	J
IAAP132584	IAAP132587	691993.3	92446.6	12/07/10	3	4					0.12	0.25	J
IAAP132584	IAAP132588	691993.3	92446.6	12/07/10	4	5					0.25	0.25	=
IAAP132584	IAAP132589	691993.3	92446.6	12/07/10	5	6					0.39	0.25	=
IAAP132590	IAAP132590	692004.8	92423.59	12/07/10	0	1					0.13	0.25	U
IAAP132590	IAAP132591	692004.8	92423.59	12/07/10	1	2					0.13	0.25	U
IAAP132590	IAAP132592	692004.8	92423.59	12/07/10	2	3					0.04	0.25	J
IAAP132590	IAAP132593	692004.8	92423.59	12/07/10	3	4					0.07	0.25	J
IAAP132590	IAAP132594	692004.8	92423.59	12/07/10	4	5					0.08	0.25	J
IAAP132590	IAAP132595	692004.8	92423.59	12/07/10	5	6					0.08	0.25	J
IAAP132602	IAAP132602	692021.1	92375.6	12/08/10	0	1					0.31	0.25	=
IAAP132602	IAAP132603	692021.1	92375.6	12/08/10	1	2					0.13	0.25	U
IAAP132602	IAAP132604	692021.1	92375.6	12/08/10	2	3					0.13	0.25	U
IAAP132602	IAAP132605	692021.1	92375.6	12/08/10	3	4					0.04	0.25	J
IAAP132602	IAAP132606	692021.1	92375.6	12/08/10	4	5					0.43	0.25	=
IAAP132602	IAAP132607	692021.1	92375.6	12/08/10	5	6					0.50	0.25	=
IAAP132608	IAAP132608	692034.8	92362.03	12/08/10	0	1					0.12	0.25	J
IAAP132608	IAAP132609	692034.8	92362.03	12/08/10	1	2					0.21	0.25	J
IAAP132608	IAAP132610	692034.8	92362.03	12/08/10	2	3					0.28	0.25	=
IAAP132608	IAAP132611	692034.8	92362.03	12/08/10	3	4					0.43	0.25	=
IAAP132608	IAAP132612	692034.8	92362.03	12/08/10	4	5					0.45	0.25	=
IAAP132608	IAAP132613	692034.8	92362.03	12/08/10	5	6					0.36	0.25	=
IAAP132560	IAAP132614	692009.98	92408.8	12/07/10	6.4	6.6					0.24	0.25	J
IAAP132590	IAAP132616	692004.8	92423.59	12/07/10	8.5	8.6					0.10	0.25	J
IAAP132602	IAAP132618	692021.1	92375.6	12/08/10	9.5	10					0.29	0.25	=
IAAP133133	IAAP133133	691985.5	92460.74	12/08/10	0	1					0.30	0.25	=
IAAP133133	IAAP133134	691985.5	92460.74	12/08/10	1	2					0.17	0.25	J
IAAP133133	IAAP133135	691985.5	92460.74	12/08/10	2	3					0.05	0.25	J
IAAP135624	IAAP135624	691980.88	92492.22	04/12/11	0	1					0.13	0.25	U
IAAP135624	IAAP135625	691980.88	92492.22	04/12/11	1	2					0.13	0.25	U
IAAP135624	IAAP135626	691980.88	92492.22	04/12/11	2	3					2.60	0.25	=
IAAP135624	IAAP135627	691980.88	92492.22	04/12/11	3	4					3.80	0.25	=
IAAP135624	IAAP135628	691980.88	92492.22	04/12/11	4	5					0.26	0.25	=
IAAP135624	IAAP135629	691980.88	92492.22	04/12/11	5	6					0.22	0.25	J

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	HMX		
											Result	DL	VQ
IAAP135630	IAAP135630	691983.2	92499.09	04/12/11	0	1					0.14	0.25	J
IAAP135630	IAAP135631	691983.2	92499.09	04/12/11	1	2					0.13	0.25	U
IAAP135630	IAAP135632	691983.2	92499.09	04/12/11	2	3					0.13	0.25	U
IAAP135630	IAAP135633	691983.2	92499.09	04/12/11	3	4					0.13	0.25	U
IAAP135630	IAAP135634	691983.2	92499.09	04/12/11	4	5					0.06	0.25	J
IAAP135630	IAAP135635	691983.2	92499.09	04/12/11	5	6					0.13	0.25	U
IAAP135642	IAAP135642	691979	92523.18	04/12/11	0	1					0.32	0.25	=
IAAP135642	IAAP135643	691979	92523.18	04/12/11	1	2					0.09	0.25	J
IAAP135642	IAAP135644	691979	92523.18	04/12/11	2	3					0.15	0.25	J
IAAP135642	IAAP135645	691979	92523.18	04/12/11	3	4					0.14	0.25	J
IAAP135642	IAAP135646	691979	92523.18	04/12/11	4	5					0.20	0.25	J
IAAP135642	IAAP135647	691979	92523.18	04/12/11	5	6					0.23	0.25	J
IAAP135648	IAAP135648	691977.06	92526.48	04/12/11	0	1					0.13	0.25	U
IAAP135648	IAAP135649	691977.06	92526.48	04/12/11	1	2					0.13	0.25	U
IAAP135648	IAAP135650	691977.06	92526.48	04/12/11	2	3					0.13	0.25	U
IAAP135648	IAAP135651	691977.06	92526.48	04/12/11	3	4					0.13	0.25	U
IAAP135648	IAAP135652	691977.06	92526.48	04/12/11	4	5					0.11	0.25	J
IAAP135648	IAAP135653	691977.06	92526.48	04/12/11	5	6					0.30	0.25	=
IAAP135672	IAAP135672	691966.97	92559.46	04/13/11	0	1					0.05	0.25	J
IAAP135672	IAAP135673	691966.97	92559.46	04/13/11	1	2					0.13	0.25	U
IAAP135672	IAAP135674	691966.97	92559.46	04/13/11	2	3					0.13	0.25	U
IAAP135672	IAAP135675	691966.97	92559.46	04/13/11	3	4					0.13	0.25	U
IAAP135672	IAAP135676	691966.97	92559.46	04/13/11	4	5					0.13	0.25	U
IAAP135672	IAAP135677	691966.97	92559.46	04/13/11	5	6					0.13	0.25	U
IAAP135678	IAAP135678	691962.25	92572.14	04/13/11	0	1					0.10	0.25	J
IAAP135678	IAAP135679	691962.25	92572.14	04/13/11	1	2					0.13	0.25	J
IAAP135678	IAAP135680	691962.25	92572.14	04/13/11	2	3					0.10	0.25	J
IAAP135678	IAAP135681	691962.25	92572.14	04/13/11	3	4					0.13	0.25	U
IAAP135678	IAAP135682	691962.25	92572.14	04/13/11	4	5					0.13	0.25	U
IAAP135678	IAAP135683	691962.25	92572.14	04/13/11	5	6					0.13	0.25	U
IAAP135684	IAAP135684	691961.6	92575.74	04/13/11	0	1					0.13	0.25	U
IAAP135684	IAAP135685	691961.6	92575.74	04/13/11	1	2					0.14	0.25	J
IAAP135684	IAAP135686	691961.6	92575.74	04/13/11	2	3					0.09	0.25	J
IAAP135684	IAAP135687	691961.6	92575.74	04/13/11	3	4					0.12	0.25	J
IAAP135684	IAAP135688	691961.6	92575.74	04/13/11	4	5					0.13	0.25	U
IAAP135684	IAAP135689	691961.6	92575.74	04/13/11	5	6					0.13	0.25	U
IAAP135690	IAAP135690	691957.18	92589.23	04/13/11	0	1					37.00	0.25	=
IAAP135690	IAAP135691	691957.18	92589.23	04/13/11	1	2					1.70	0.25	=
IAAP135690	IAAP135692	691957.18	92589.23	04/13/11	2	3					0.91	0.25	=
IAAP135690	IAAP135693	691957.18	92589.23	04/13/11	3	4					0.13	0.25	U

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	HMX		
											Result	DL	VQ
IAAP135690	IAAP135694	691957.18	92589.23	04/13/11	4	5					0.13	0.25	U
IAAP135690	IAAP135695	691957.18	92589.23	04/13/11	5	6					0.08	0.25	J
IAAP135696	IAAP135696	691953.6	92600.02	04/13/11	0	1					0.12	0.25	J
IAAP135696	IAAP135697	691953.6	92600.02	04/13/11	1	2					0.13	0.25	U
IAAP135696	IAAP135698	691953.6	92600.02	04/13/11	2	3					0.13	0.25	U
IAAP135696	IAAP135699	691953.6	92600.02	04/13/11	3	4					0.13	0.25	U
IAAP135696	IAAP135700	691953.6	92600.02	04/13/11	4	5					0.13	0.25	U
IAAP135696	IAAP135701	691953.6	92600.02	04/13/11	5	6					0.13	0.25	U
IAAP135702	IAAP135702	691943.2	92622.73	04/13/11	0	1					0.13	0.25	UJ
IAAP135702	IAAP135703	691943.2	92622.73	04/13/11	1	2					0.13	0.25	UJ
IAAP135702	IAAP135704	691943.2	92622.73	04/13/11	2	3					0.13	0.25	UJ
IAAP135702	IAAP135705	691943.2	92622.73	04/13/11	3	4					0.13	0.25	UJ
IAAP135702	IAAP135706	691943.2	92622.73	04/13/11	4	5					0.13	0.25	UJ
IAAP135702	IAAP135707	691943.2	92622.73	04/13/11	5	6					0.13	0.25	UJ
IAAP135708	IAAP135708	691942.51	92624.81	04/13/11	0	1					0.13	0.25	UJ
IAAP135708	IAAP135709	691942.51	92624.81	04/13/11	1	2					0.13	0.25	UJ
IAAP135708	IAAP135710	691942.51	92624.81	04/13/11	2	3					0.06	0.25	J
IAAP135708	IAAP135711	691942.51	92624.81	04/13/11	3	4					0.13	0.25	UJ
IAAP135708	IAAP135712	691942.51	92624.81	04/13/11	4	5					0.13	0.25	UJ
IAAP135708	IAAP135713	691942.51	92624.81	04/13/11	5	6					0.13	0.25	UJ
IAAP135714	IAAP135714	691941.17	92628.8	04/13/11	0	1					0.06	0.25	J
IAAP135714	IAAP135715	691941.17	92628.8	04/13/11	1	2					0.30	0.25	J
IAAP135714	IAAP135716	691941.17	92628.8	04/13/11	2	3					0.34	0.25	J
IAAP135714	IAAP135717	691941.17	92628.8	04/13/11	3	4					0.47	0.25	J
IAAP135714	IAAP135718	691941.17	92628.8	04/13/11	4	5					0.12	0.25	J
IAAP135714	IAAP135719	691941.17	92628.8	04/13/11	5	6					0.16	0.25	J
IAAP135720	IAAP135720	691939.44	92633.99	04/13/11	0	1					0.63	0.25	J
IAAP135720	IAAP135721	691939.44	92633.99	04/13/11	1	2					0.67	0.25	=
IAAP135720	IAAP135722	691939.44	92633.99	04/13/11	2	3					0.70	0.25	=
IAAP135720	IAAP135723	691939.44	92633.99	04/13/11	3	4					0.99	0.25	=
IAAP135720	IAAP135724	691939.44	92633.99	04/13/11	4	5					0.66	0.25	=
IAAP135720	IAAP135725	691939.44	92633.99	04/13/11	5	6					0.47	0.25	=
IAAP135726	IAAP135726	691938.97	92635.4	04/13/11	0	1					0.26	0.25	=
IAAP135726	IAAP135727	691938.97	92635.4	04/13/11	1	2					0.78	0.25	=
IAAP135726	IAAP135728	691938.97	92635.4	04/13/11	2	3					0.68	0.25	=
IAAP135726	IAAP135729	691938.97	92635.4	04/13/11	3	4					0.36	0.25	=
IAAP135726	IAAP135730	691938.97	92635.4	04/13/11	4	5					0.41	0.25	=
IAAP135726	IAAP135731	691938.97	92635.4	04/13/11	5	6					0.10	0.25	=
IAAP135732	IAAP135732	691935	92647.27	04/13/11	0	1					0.13	0.25	U
IAAP135732	IAAP135733	691935	92647.27	04/13/11	1	2					0.11	0.25	=

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	HMX		
											Result	DL	VQ
IAAP135732	IAAP135734	691935	92647.27	04/13/11	2	3					0.07	0.25	=
IAAP135732	IAAP135735	691935	92647.27	04/13/11	3	4					0.35	0.25	=
IAAP135732	IAAP135736	691935	92647.27	04/13/11	4	5					0.54	0.25	=
IAAP135732	IAAP135737	691935	92647.27	04/13/11	5	6					0.39	0.25	=
IAAP135738	IAAP135738	691931.22	92658.59	04/14/11	0	1					19.00	0.25	=
IAAP135738	IAAP135739	691931.22	92658.59	04/14/11	1	2					4.00	0.25	=
IAAP135738	IAAP135740	691931.22	92658.59	04/14/11	2	3					0.54	0.25	=
IAAP135738	IAAP135741	691931.22	92658.59	04/14/11	3	4					5.60	0.25	=
IAAP135738	IAAP135742	691931.22	92658.59	04/14/11	4	5					0.97	0.25	=
IAAP135738	IAAP135743	691931.22	92658.59	04/14/11	5	6					0.74	0.25	=
IAAP135744	IAAP135744	691926.8	92671.89	04/14/11	0	1					0.23	0.25	J
IAAP135744	IAAP135745	691926.8	92671.89	04/14/11	1	2					0.78	0.25	=
IAAP135744	IAAP135746	691926.8	92671.89	04/14/11	2	3					1.20	0.25	=
IAAP135744	IAAP135747	691926.8	92671.89	04/14/11	3	4					1.20	0.25	=
IAAP135744	IAAP135748	691926.8	92671.89	04/14/11	4	5					0.89	0.25	=
IAAP135744	IAAP135749	691926.8	92671.89	04/14/11	5	6					0.73	0.25	=
IAAP135750	IAAP135750	691925.92	92674.48	04/14/11	0	1					0.46	0.25	=
IAAP135750	IAAP135751	691925.92	92674.48	04/14/11	1	2					0.31	0.25	=
IAAP135750	IAAP135752	691925.92	92674.48	04/14/11	2	3					0.13	0.25	J
IAAP135750	IAAP135753	691925.92	92674.48	04/14/11	3	4					0.13	0.25	U
IAAP135750	IAAP135754	691925.92	92674.48	04/14/11	4	5					0.13	0.25	U
IAAP135750	IAAP135755	691925.92	92674.48	04/14/11	5	6					0.13	0.25	U
IAAP135756	IAAP135756	691923.6	92681.41	04/14/11	0	1					0.13	0.25	U
IAAP135756	IAAP135757	691923.6	92681.41	04/14/11	1	2					0.08	0.25	J
IAAP135756	IAAP135758	691923.6	92681.41	04/14/11	2	3					0.04	0.25	J
IAAP135756	IAAP135759	691923.6	92681.41	04/14/11	3	4					0.10	0.25	J
IAAP135756	IAAP135760	691923.6	92681.41	04/14/11	4	5					0.09	0.25	J
IAAP135756	IAAP135761	691923.6	92681.41	04/14/11	5	6					0.12	0.25	J
IAAP135762	IAAP135762	691918.6	92696.36	04/14/11	0	1					0.13	0.25	U
IAAP135762	IAAP135763	691918.6	92696.36	04/14/11	1	2					0.13	0.25	U
IAAP135762	IAAP135764	691918.6	92696.36	04/14/11	2	3					0.13	0.25	U
IAAP135762	IAAP135765	691918.6	92696.36	04/14/11	3	4					0.13	0.25	U
IAAP135762	IAAP135766	691918.6	92696.36	04/14/11	4	5					0.13	0.25	U
IAAP135762	IAAP135767	691918.6	92696.36	04/14/11	5	6					0.13	0.25	U
IAAP135768	IAAP135768	691912.95	92713.28	04/14/11	0	1					0.13	0.25	U
IAAP135768	IAAP135769	691912.95	92713.28	04/14/11	1	2					0.13	0.25	U
IAAP135768	IAAP135770	691912.95	92713.28	04/14/11	2	3					0.13	0.25	U
IAAP135768	IAAP135771	691912.95	92713.28	04/14/11	3	4					0.13	0.25	U
IAAP135768	IAAP135772	691912.95	92713.28	04/14/11	4	5					0.13	0.25	U
IAAP135768	IAAP135773	691912.95	92713.28	04/14/11	5	6					0.13	0.25	U

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	HMX		
											Result	DL	VQ
IAAP135774	IAAP135774	691910.4	92720.78	04/14/11	0	1					0.13	0.25	U
IAAP135774	IAAP135775	691910.4	92720.78	04/14/11	1	2					0.13	0.25	U
IAAP135774	IAAP135776	691910.4	92720.78	04/14/11	2	3					0.15	0.25	J
IAAP135774	IAAP135777	691910.4	92720.78	04/14/11	3	4					0.08	0.25	J
IAAP135774	IAAP135778	691910.4	92720.78	04/14/11	4	5					0.13	0.25	U
IAAP135774	IAAP135779	691910.4	92720.78	04/14/11	5	6					0.13	0.25	U
IAAP135780	IAAP135780	691914.76	92728.82	04/14/11	0	1					0.67	0.25	=
IAAP135780	IAAP135781	691914.76	92728.82	04/14/11	1	2					0.46	0.25	=
IAAP135780	IAAP135782	691914.76	92728.82	04/14/11	2	3					0.47	0.25	=
IAAP135780	IAAP135783	691914.76	92728.82	04/14/11	3	4					0.60	0.25	=
IAAP135780	IAAP135784	691914.76	92728.82	04/14/11	4	5					0.43	0.25	=
IAAP135780	IAAP135785	691914.76	92728.82	04/14/11	5	6					0.16	0.25	J
IAAP135786	IAAP135786	691924.4	92732.09	04/14/11	0	1					0.13	0.25	U
IAAP135786	IAAP135787	691924.4	92732.09	04/14/11	1	2					0.13	0.25	U
IAAP135786	IAAP135788	691924.4	92732.09	04/14/11	2	3					0.13	0.25	U
IAAP135786	IAAP135789	691924.4	92732.09	04/14/11	3	4					0.13	0.25	U
IAAP135786	IAAP135790	691924.4	92732.09	04/14/11	4	5					0.13	0.25	U
IAAP135630	IAAP135798	691983.2	92499.09	04/12/11	3.5	4					0.13	0.25	U
IAAP135774	IAAP135801	691910.4	92720.78	04/14/11	8.5	8.9					0.07	0.25	J
IAAP136603	IAAP136603	691990.48	93027.37	05/04/11	0	1					0.13	0.25	U
IAAP136603	IAAP136604	691990.48	93027.37	05/04/11	1	2					0.13	0.25	U
IAAP136603	IAAP136607	691990.48	93027.37	05/04/11	4	5					0.66	0.25	=
IAAP136603	IAAP136608	691990.48	93027.37	05/04/11	5	6					1.10	0.25	=
IAAP136615	IAAP136615	692002.23	92440.11	05/04/11	0	1					0.13	0.25	U
IAAP136615	IAAP136616	692002.23	92440.11	05/04/11	1	2					0.13	0.25	U
IAAP136615	IAAP136617	692002.23	92440.11	05/04/11	2	3					0.13	0.25	U
IAAP136615	IAAP136618	692002.23	92440.11	05/04/11	3	4					0.13	0.25	U
IAAP136615	IAAP136619	692002.23	92440.11	05/04/11	4	5					0.13	0.25	U
IAAP136615	IAAP136620	692002.23	92440.11	05/04/11	5	6					0.13	0.25	U
IAAP136621	IAAP136621	692000.16	92433.35	05/03/11	0	1					3.20	0.25	=
IAAP136621	IAAP136622	692000.16	92433.35	05/03/11	1	2					0.05	0.25	J
IAAP136621	IAAP136623	692000.16	92433.35	05/03/11	2	3					0.13	0.25	U
IAAP136621	IAAP136626	692000.16	92433.35	05/03/11	5	6					0.07	0.25	J
IAAP136627	IAAP136627	691984.57	92430.72	05/04/11	0	1					0.19	0.25	J
IAAP136627	IAAP136628	691984.57	92430.72	05/04/11	1	2					0.24	0.25	J
IAAP136627	IAAP136629	691984.57	92430.72	05/04/11	2	3					0.24	0.25	J
IAAP136627	IAAP136630	691984.57	92430.72	05/04/11	3	4					0.29	0.25	=
IAAP136627	IAAP136631	691984.57	92430.72	05/04/11	4	5					0.28	0.25	=
IAAP136627	IAAP136632	691984.57	92430.72	05/04/11	5	6					0.17	0.25	J
IAAP136633	IAAP136633	692028.24	92370.53	05/04/11	0	1					12.00	0.25	=

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	HMX		
											Result	DL	VQ
IAAP136633	IAAP136634	692028.24	92370.53	05/04/11	1	2					3.20	0.25	=
IAAP136633	IAAP136635	692028.24	92370.53	05/04/11	2	3					0.78	0.25	=
IAAP136633	IAAP136636	692028.24	92370.53	05/04/11	3	4					0.71	0.25	=
IAAP136633	IAAP136637	692028.24	92370.53	05/04/11	4	5					0.32	0.25	=
IAAP136633	IAAP136638	692028.24	92370.53	05/04/11	5	6					0.17	0.25	J
IAAP136639	IAAP136639	692028.32	92354.72	05/04/11	0	1					0.10	0.25	J
IAAP136639	IAAP136640	692028.32	92354.72	05/04/11	1	2					0.30	0.25	=
IAAP136639	IAAP136641	692028.32	92354.72	05/04/11	2	3					0.33	0.25	=
IAAP136639	IAAP136642	692028.32	92354.72	05/04/11	3	4					0.27	0.25	=
IAAP136639	IAAP136643	692028.32	92354.72	05/04/11	4	5					0.26	0.25	=
IAAP136639	IAAP136644	692028.32	92354.72	05/04/11	5	6					0.13	0.25	U
IAAP136654	IAAP136654	691990.21	92473.36	05/02/11	5	6					0.13	0.25	U
IAAP136656	IAAP136656	691972.56	92463.97	05/03/11	5	6					0.39	0.25	=
IAAP136658	IAAP136658	692002.51	92428.93	05/04/11	0	1					0.11	0.25	J
IAAP136663	IAAP136663	692014.03	92365.71	05/03/11	5	6					0.13	0.25	U
IAAP136664	IAAP136664	692018.77	92367.32	05/04/11	0	1					0.09	0.25	J
IAAP136664	IAAP136665	692018.77	92367.32	05/04/11	1	2					0.09	0.25	J
IAAP136664	IAAP136666	692018.77	92367.32	05/04/11	2	3					0.14	0.25	J
IAAP136664	IAAP136667	692018.77	92367.32	05/04/11	3	4					0.23	0.25	J
IAAP136664	IAAP136668	692018.77	92367.32	05/04/11	4	5					0.19	0.25	J
IAAP136664	IAAP136669	692018.77	92367.32	05/04/11	5	6					0.18	0.25	J
IAAP136670	IAAP136670	692034.54	92374.38	05/03/11	0	1					0.13	0.25	U
IAAP136670	IAAP136671	692034.54	92374.38	05/03/11	1	2					0.13	0.25	U
IAAP136670	IAAP136672	692034.54	92374.38	05/03/11	2	3					0.13	0.25	U
IAAP136670	IAAP136673	692034.54	92374.38	05/03/11	3	4					0.13	0.25	U
IAAP136670	IAAP136674	692034.54	92374.38	05/03/11	4	5					0.13	0.25	U
IAAP136670	IAAP136675	692034.54	92374.38	05/03/11	5	6					0.13	0.25	U
IAAP136676	IAAP136676	691938	92733.88	05/16/11	0	1					0.13	0.25	U
IAAP136677	IAAP136677	691930.96	92723.63	05/16/11	0	1					0.13	0.25	U
IAAP136678	IAAP136678	691973.09	92556.21	05/18/11	5	6					0.13	0.25	U
IAAP136679	IAAP136679	691958.86	92551.46	05/17/11	0	1					0.13	0.25	U
IAAP136681	IAAP136681	691961.63	92544.56	05/17/11	2	3					0.13	0.25	U
IAAP136682	IAAP136682	691989.82	92522.98	05/17/11	0.5	1.5					0.13	0.25	U
IAAP136683	IAAP136683	691981.92	92515.07	05/18/11	0	1					62.00	0.25	=
IAAP136683	IAAP136684	691981.92	92515.07	05/18/11	4	5					1.50	0.25	=
IAAP136685	IAAP136685	691970.85	92516.65	05/17/11	0	1					0.13	0.25	U
IAAP136686	IAAP136686	691983.5	92510.33	05/17/11	0	1					0.18	0.25	J
IAAP136686	IAAP136687	691983.5	92510.33	05/17/11	1	2					0.13	0.25	U
IAAP136686	IAAP136688	691983.5	92510.33	05/17/11	2	3					0.09	0.25	J
IAAP136686	IAAP136689	691983.5	92510.33	05/17/11	3	4					0.05	0.25	J

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	HMX		
											Result	DL	VQ
IAAP136686	IAAP136690	691983.5	92510.33	05/17/11	4	5					0.04	0.25	J
IAAP136686	IAAP136691	691983.5	92510.33	05/17/11	5	6					0.04	0.25	J
IAAP136775	IAAP136775	691933.21	92732.44	05/18/11	0	1					0.13	0.25	U
IAAP136775	IAAP136776	691933.21	92732.44	05/18/11	1	2					0.13	0.25	U
IAAP136775	IAAP136777	691933.21	92732.44	05/18/11	2	3					0.13	0.25	U
IAAP136775	IAAP136778	691933.21	92732.44	05/18/11	3	4					0.13	0.25	U
IAAP136775	IAAP136779	691933.21	92732.44	05/18/11	4	5					0.13	0.25	U
IAAP136775	IAAP136780	691933.21	92732.44	05/18/11	5	6					0.13	0.25	U
IAAP136781	IAAP136781	691929.35	92728.37	05/18/11	0	1					0.13	0.25	U
IAAP136781	IAAP136782	691929.35	92728.37	05/18/11	1	2					0.13	0.25	U
IAAP136781	IAAP136783	691929.35	92728.37	05/18/11	2	3					0.13	0.25	U
IAAP136781	IAAP136784	691929.35	92728.37	05/18/11	3	4					0.13	0.25	U
IAAP136781	IAAP136785	691929.35	92728.37	05/18/11	4	5					0.13	0.25	U
IAAP136781	IAAP136786	691929.35	92728.37	05/18/11	5	6					0.13	0.25	U
IAAP136787	IAAP136787	691976.83	92560.81	05/17/11	0	1					0.13	0.25	U
IAAP136787	IAAP136788	691976.83	92560.81	05/17/11	1	2					0.13	0.25	U
IAAP136787	IAAP136789	691976.83	92560.81	05/17/11	2	3					0.13	0.25	U
IAAP136787	IAAP136790	691976.83	92560.81	05/17/11	3	4					0.13	0.25	U
IAAP136787	IAAP136791	691976.83	92560.81	05/17/11	4	5					0.13	0.25	U
IAAP136787	IAAP136792	691976.83	92560.81	05/17/11	5	6					0.13	0.25	U
IAAP136793	IAAP136793	691963.6	92553.05	05/18/11	0	1					0.13	0.25	U
IAAP136793	IAAP136794	691963.6	92553.05	05/18/11	1	2					0.07	0.25	J
IAAP136793	IAAP136795	691963.6	92553.05	05/18/11	2	3					0.13	0.25	U
IAAP136793	IAAP136796	691963.6	92553.05	05/18/11	3	4					0.13	0.25	U
IAAP136793	IAAP136797	691963.6	92553.05	05/18/11	4	5					0.13	0.25	U
IAAP136793	IAAP136798	691963.6	92553.05	05/18/11	5	6					0.13	0.25	U
IAAP136799	IAAP136799	691985.08	92553.02	05/17/11	0	1					0.12	0.25	J
IAAP136799	IAAP136800	691985.08	92553.02	05/17/11	1	2					0.28	0.25	=
IAAP136799	IAAP136801	691985.08	92553.02	05/17/11	2	3					0.24	0.25	J
IAAP136799	IAAP136802	691985.08	92553.02	05/17/11	3	4					0.07	0.25	J
IAAP136799	IAAP136803	691985.08	92553.02	05/17/11	4	5					0.06	0.25	J
IAAP136799	IAAP136804	691985.08	92553.02	05/17/11	5	6					0.13	0.25	U
IAAP136805	IAAP136805	691974.27	92538.23	05/17/11	0	1					0.28	0.25	=
IAAP136805	IAAP136806	691974.27	92538.23	05/17/11	1	2					0.13	0.25	U
IAAP136805	IAAP136807	691974.27	92538.23	05/17/11	2	3					0.13	0.25	U
IAAP136805	IAAP136808	691974.27	92538.23	05/17/11	3	4					0.09	0.25	J
IAAP136805	IAAP136809	691974.27	92538.23	05/17/11	4	5					0.63	0.25	=
IAAP136805	IAAP136810	691974.27	92538.23	05/17/11	5	6					0.13	0.25	U
IAAP136811	IAAP136811	691970.78	92548.09	05/17/11	0	1					0.21	0.25	J
IAAP136811	IAAP136812	691970.78	92548.09	05/17/11	1	2					0.19	0.25	J

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	HMX		
											Result	DL	VQ
IAAP136811	IAAP136813	691970.78	92548.09	05/17/11	2	3					0.30	0.25	=
IAAP136811	IAAP136814	691970.78	92548.09	05/17/11	3	4					0.22	0.25	J
IAAP136811	IAAP136815	691970.78	92548.09	05/17/11	4	5					0.13	0.25	J
IAAP136811	IAAP136816	691970.78	92548.09	05/17/11	5	6					0.09	0.25	J
IAAP136817	IAAP136817	691966.07	92544.14	05/17/11	0	1					0.13	0.25	U
IAAP136817	IAAP136818	691966.07	92544.14	05/17/11	1	2					0.13	0.25	U
IAAP136817	IAAP136819	691966.07	92544.14	05/17/11	2	3					0.13	0.25	U
IAAP136817	IAAP136820	691966.07	92544.14	05/17/11	3	4					0.06	0.25	J
IAAP136817	IAAP136821	691966.07	92544.14	05/17/11	4	5					0.08	0.25	J
IAAP136817	IAAP136822	691966.07	92544.14	05/17/11	5	6					0.07	0.25	J
IAAP136823	IAAP136823	691994.57	92524.56	05/18/11	1	2					0.13	0.25	U
IAAP136823	IAAP136824	691994.57	92524.56	05/18/11	2	3					0.13	0.25	U
IAAP136823	IAAP136825	691994.57	92524.56	05/18/11	3	4					0.13	0.25	U
IAAP136823	IAAP136826	691994.57	92524.56	05/18/11	4	5					0.13	0.25	U
IAAP136823	IAAP136827	691994.57	92524.56	05/18/11	5	6					0.13	0.25	U
IAAP136823	IAAP136828	691994.57	92524.56	05/18/11	6	7					0.13	0.25	U
IAAP137255	IAAP137255	691975.59	92518.24	05/18/11	0	1					0.13	0.25	U
IAAP137255	IAAP137256	691975.59	92518.24	05/18/11	1	2					0.13	0.25	U
IAAP137255	IAAP137257	691975.59	92518.24	05/18/11	2	3					0.13	0.25	U
IAAP137255	IAAP137258	691975.59	92518.24	05/18/11	3	4					0.13	0.25	U
IAAP137255	IAAP137259	691975.59	92518.24	05/18/11	4	5					0.13	0.25	U
IAAP137255	IAAP137260	691975.59	92518.24	05/18/11	5	6					0.13	0.25	U
IAAP96925	IAAP96925	692027	92844.46	10/26/06	0	0.5					0.18	0.35	U
IAAP96926	IAAP96926	692014.91	92844.8	10/26/06	0	0.5					0.18	0.35	U
IAAP96928	IAAP96928	691998.35	92979.48	10/26/06	0	0.5					0.18	0.35	U
IAAP96929	IAAP96929	691966.49	92969.51	10/26/06	0	0.5					0.17	0.34	U
IAAP96934	IAAP96934	COMPOSITE	COMPOSITE	11/15/06	0	0.5					0.15	0.29	UJ
IAAP96935	IAAP96935	691894.02	93328.08	11/15/06	0	0.5					0.14	0.28	UJ
IAAP96936	IAAP96936	COMPOSITE	COMPOSITE	11/15/06	0	0.5					0.17	0.34	UJ
IAAP96937	IAAP96937	COMPOSITE	COMPOSITE	11/13/06	0	0.5					0.12	0.28	=
IAAP96938	IAAP96938	691840.29	93270.4	11/13/06	0	0.5					0.17	0.33	UJ
IAAP96939	IAAP96939	691831.83	93298.23	11/13/06	0	0.5					0.14	0.27	UJ
IAAP96940	IAAP96940	691832.3	93342.32	11/13/06	0	0.5					0.14	0.28	UJ
IAAP96941	IAAP96941	691814.66	93317.23	11/13/06	0	0.5					0.16	0.32	UJ
IAAP96942	IAAP96942	691838.97	93244.84	11/13/06	0	0.5					0.16	0.31	UJ
IAAP96949	IAAP96949	692113.04	93092.9	11/15/06	0	0.5					0.16	0.31	UJ
IAAP96950	IAAP96950	COMPOSITE	COMPOSITE	11/15/06	0	0.5					0.16	0.32	UJ
IAAP96951	IAAP96951	COMPOSITE	COMPOSITE	11/15/06	0	0.5					0.16	0.31	UJ
IAAP96952	IAAP96952	692127.71	93042.61	11/15/06	0	0.5					0.13	0.26	UJ
IAAP96953	IAAP96953	692116.38	93011.84	11/15/06	0	0.5					0.15	0.3	UJ

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	HMX		
											Result	DL	VQ
IAAP96954	IAAP96954	692116.26	92981.47	11/15/06	0	0.5					0.14	0.28	UJ
IAAP96955	IAAP96955	692175.68	92981.55	11/15/06	0	0.5					0.07	0.32	=
IAAP96956	IAAP96956	COMPOSITE	COMPOSITE	11/15/06	0	0.5					0.16	0.31	UJ
IAAP96957	IAAP96957	692056.98	93146.93	11/15/06	0	0.5					0.17	0.34	UJ
IAAP96958	IAAP96958	692074.54	93130.61	11/15/06	0	0.5					0.12	0.35	J
IAAP96959	IAAP96959	COMPOSITE	COMPOSITE	11/14/06	0	0.5					0.15	0.3	UJ
IAAP96960	IAAP96960	692088.53	93112.41	11/15/06	0	0.5					0.16	0.32	UJ
IAAP96961	IAAP96961	COMPOSITE	COMPOSITE	11/13/06	0	0.5					0.16	0.31	UJ
IAAP96962	IAAP96962	COMPOSITE	COMPOSITE	11/13/06	0	0.5					0.16	0.31	UJ
IAAP96963	IAAP96963	COMPOSITE	COMPOSITE	11/13/06	0	0.5					0.06	0.29	=
IAAP96964	IAAP96964	691985.83	93063.1	11/13/06	0	0.5					0.16	0.31	UJ
IAAP96965	IAAP96965	691993.8	93029.94	11/13/06	0	0.5					0.13	0.26	UJ
IAAP96966	IAAP96966	691954.93	93007.81	11/13/06	0	0.5					0.16	0.32	UJ
IAAP96967	IAAP96967	691937	93039	11/13/06	0	0.5					0.13	0.26	UJ
IAAP96968	IAAP96968	691938.96	93067.14	11/13/06	0	0.5					0.13	0.26	UJ
IAAP96969	IAAP96969	691938.96	93067.14	11/13/06	1	2					0.16	0.31	UJ
IAAP96970	IAAP96970	691909.48	93056.65	11/13/06	0	0.5					0.17	0.33	UJ
IAAP96976	IAAP96976	COMPOSITE	COMPOSITE	11/14/06	0	0.5					0.17	0.33	UJ
IAAP96977	IAAP96977	COMPOSITE	COMPOSITE	11/14/06	0	0.5					0.19	0.37	UJ
IAAP96979	IAAP96979	691795.01	93119.57	11/14/06	0	0.5					0.16	0.32	UJ
IAAP96980	IAAP96980	691808.87	93106.84	11/14/06	0	0.5					0.14	0.27	UJ
IAAP96988	IAAP96988	691954.34	92114.71	11/14/06	0	0.5					0.14	0.27	UJ
IAAP96989	IAAP96989	691876.63	92299.46	11/14/06	0	0.5					0.16	0.31	UJ
IAAP96992	IAAP96992	COMPOSITE	COMPOSITE	11/14/06	0	0.5					0.14	0.28	UJ
IAAP96994	IAAP96994	691857.33	92413.74	11/14/06	0	0.5					0.14	0.28	UJ
IAAP96995	IAAP96995	691870.98	92410.67	11/14/06	0	0.5					0.15	0.3	UJ
IAAP96996	IAAP96996	COMPOSITE	COMPOSITE	11/14/06	0	0.5					0.16	0.32	UJ
IAAP96997	IAAP96997	691844.39	92407.27	11/14/06	0	0.5					0.14	0.28	UJ
IAAP96998	IAAP96998	691728	93303	11/14/06	0	0.5					0.14	0.27	UJ
IAAP97000	IAAP97000	691786.4	93115.72	11/14/06	0	0.5					0.17	0.33	UJ
IAAP97001	IAAP97001	691872	93010	12/18/06	0	0.5					0.07	0.28	J
IAAP97002	IAAP97002	691884	93003	12/18/06	0	0.5					0.37	0.27	J
IAAP97003	IAAP97003	691888	92995	12/18/06	0	0.5					0.76	0.31	J
IAAP97004	IAAP97004	691895	92793	12/19/06	0	0.5					0.70	0.33	=
IAAP97005	IAAP97005	691902	92791	12/19/06	0	0.5					0.06	0.31	=
IAAP97006	IAAP97006	691908	92794	12/19/06	0	0.5					0.16	0.31	U
IAAP97007	IAAP97007	691925	92795	12/19/06	0	0.5					0.16	0.32	U
IAAP97008	IAAP97008	691894	92818	12/19/06	0	0.5					0.08	0.32	J
IAAP97009	IAAP97009	691903	92823	12/19/06	0	0.5					0.16	0.31	U
IAAP97010	IAAP97010	691891	92892	12/19/06	0	0.5					0.16	0.31	U

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	HMX		
											Result	DL	VQ
IAAP97011	IAAP97011	691900	92879	12/19/06	0	0.5					0.16	0.32	U
IAAP97012	IAAP97012	691889	92913	12/19/06	0	0.5					0.17	0.33	U
IAAP97013	IAAP97013	691813	92905	12/18/06	0	0.5					0.14	0.28	UJ
IAAP97014	IAAP97014	691785	92886	12/18/06	0	0.5					0.94	0.38	J
IAAP97015	IAAP97015	691688	92824	12/18/06	0	0.5					0.05	0.26	J
IAAP97016	IAAP97016	691683	92887	12/18/06	0	0.5					0.17	0.33	UJ
IAAP97017	IAAP97017	691680	92894	12/18/06	0	0.5					0.15	0.3	UJ
IAAP97018	IAAP97018	691694	92881	12/18/06	0	0.5					0.18	0.35	UJ
IAAP97020	IAAP97020	691695	92744	12/18/06	0	0.5					0.17	0.33	UJ
IAAP97021	IAAP97021	691719	92718	12/18/06	0	0.5					0.17	0.34	UJ
IAAP97022	IAAP97022	691753	92650	12/18/06	0	0.5					0.16	0.32	UJ
IAAP97023	IAAP97023	691750	92660	12/18/06	0	0.5					0.18	0.35	UJ
IAAP97024	IAAP97024	691745	92709	12/18/06	0	0.5					0.17	0.33	UJ
IAAP97025	IAAP97025	691718	92783	12/18/06	0	0.5					0.17	0.33	UJ
IAAP97026	IAAP97026	691811	92938	12/18/06	0	0.5					0.63	0.34	J
IAAP97027	IAAP97027	691942	92676	12/19/06	0	0.5					0.17	0.33	U
IAAP97029	IAAP97029	691930	92683	12/19/06	0	0.5					0.17	0.33	U
IAAP97036	IAAP97036	692052.2	92417.45	12/19/06	0	0.5					0.14	0.27	U
IAAP97037	IAAP97037	692060	92421.6	12/19/06	0	0.5					0.14	0.28	U
IAAP97038	IAAP97038	692004	92424	12/19/06	0	0.5					0.21	0.34	J
IAAP97039	IAAP97039	692142.8	92156	12/19/06	0	0.5					1.00	0.31	=
IAAP97040	IAAP97040	692146	92149	12/19/06	0	0.5					0.09	0.33	=
IAAP97041	IAAP97041	692132.3	92131.1	12/19/06	0	0.5					0.14	0.28	U
IAAP97045	IAAP97045	692065	92323	12/19/06	0	0.5					2.20	0.3	=
IAAP97046	IAAP97046	692051	92339	12/19/06	0	0.5					0.17	0.33	U
IAAP97048	IAAP97048	692140.2	92094.9	12/19/06	0	0.5					0.15	0.29	U
IAAP97049	IAAP97049	691998	92245	12/19/06	0	0.5					0.04	0.33	J
IAAP98247	IAAP98247	691977	92312	12/19/06	0	0.5					0.21	0.35	=
IAAP98250	IAAP98250	691732	92354	12/20/06	0	0.5					0.19	0.37	U
IAAP98251	IAAP98251	691761	92310	12/20/06	0	0.5					0.16	0.32	U
IAAP98253	IAAP98253	691755	92246	12/20/06	0	0.5					0.16	0.32	U
IAAP98254	IAAP98254	691702	92289	12/20/06	0	0.5					0.21	0.42	U
IAAP98260	IAAP98260	691719	92537	12/18/06	0	0.5					0.15	0.3	UJ
IAAP98261	IAAP98261	691626	92692	12/18/06	0	0.5					0.16	0.31	UJ
IAAP98262	IAAP98262	691633	92751	12/18/06	0	0.5					0.17	0.34	UJ
IAAP98263	IAAP98263	691582	92869	12/18/06	0	0.5					0.48	0.95	UJ
IAAP98264	IAAP98264	691518	93097	12/18/06	0	0.5					0.21	0.41	UJ
IAAP98266	IAAP98266	691878	92578	12/18/06	0	0.5					0.16	0.32	UJ
IAAP98273	IAAP98273	692131	92072.7	12/19/06	0	0.5					0.16	0.32	U
IAAP99934	IAAP99934	692030.09	92396.58	04/16/07	0	1					0.16	0.31	U

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	HMX		
											Result	DL	VQ
IAAP99934	IAAP99935	692030.09	92396.58	04/16/07	1	2					0.16	0.32	U
IAAP99936	IAAP99936	692027.39	92394.07	04/16/07	0	1					0.17	0.33	U
IAAP99936	IAAP99937	692027.39	92394.07	04/16/07	1	2					0.16	0.32	U
IAAP99938	IAAP99938	691747.48	92260.65	04/15/07	0	0.5					0.15	0.3	U
IAAP99939	IAAP99939	691743.59	92262.02	04/15/07	0	0.5					0.16	0.32	U
IAAP99940	IAAP99940	691708.65	92265.87	04/15/07	0	0.5					0.18	0.35	U
IAAP99941	IAAP99941	691700.52	92270.71	04/15/07	0	0.5					0.33	0.66	U
IAAP99942	IAAP99942	692058.69	92404.33	04/16/07	0	0.5					0.14	0.27	U
IAAP99959	IAAP99959	692014.14	92937.77	06/05/07	3	4					0.15	0.29	U
IAAP99960	IAAP99960	692001.22	92882.79	06/05/07	2	2.5					0.14	0.27	U
IAAP100071	IAAP99962	691694.48	92747.08	06/05/07	2	3					0.16	0.31	UJ
100101	L1101001	691685	93330		0.0	1.0					0.00		
100101	L1101002	691685	93330		1.0	2.0					1.100	2.2	U
100101	L1101003	691685	93330		2.0	4.0					1.100	2.2	U
100101	L1101004	691685	93330		4.0	6.0					1.100	2.2	U
100102	L1101005	691685	93369		0.0	1.0					0.000		
100102	L1101006	691685	93369		1.0	2.0					1.100	2.2	U
100102	L1101007	691685	93369		2.0	4.0					1.100	2.2	U
100102	L1101008	691685	93369		4.0	6.0					1.100	2.2	U
100103	L1101009	691723	93308		0.0	1.0					0.000		
100103	L1101010	691723	93308		1.0	2.0					1.100	2.2	U
100103	L1101011	691723	93308		2.0	4.0					1.100	2.2	U
100103	L1101012	691723	93308		4.0	6.0					1.100	2.2	U
100201	L1102001	691824	93116		1.0	2.0					0.000		
100201	L1102002	691824	93116		2.0	4.0					0.000		
100202	L1102003	691834	93110		1.0	2.0					0.000		
100202	L1102004	691834	93110		2.0	4.0					0.000		
100203	L1102005	691839	93129		1.0	2.0					0.000		
100203	L1102006	691839	93129		2.0	4.0					0.000		
100204	L1102007	691851	93109		1.0	2.0					0.000		
100204	L1102008	691851	93109		2.0	4.0					0.000		
100205	L1102009	691838	93090		1.0	2.0					0.000		
100205	L1102010	691838	93090		2.0	4.0					0.000		
100205	L1102011	691838	93090		2.0	4.0					0.000		
100206	L1102012	691842	93123		1.0	2.0					0.000		
100206	L1102013	691842	93123		2.0	4.0					0.000		
100302	L1103005	691754	93117		0.0	1.0					0.000		
100302	L1103006	691754	93117		1.0	2.0					1.100	2.2	U
100302	L1103007	691754	93117		2.0	4.0					1.100	2.2	U
100302	L1103008	691754	93117		4.0	6.0					1.100	2.2	U

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	HMX		
											Result	DL	VQ
100303	L1103009	691803	93111		0.0	1.0					0.000		
100303	L1103010	691803	93111		1.0	2.0					1.100	2.2	U
100303	L1103011	691803	93111		2.0	4.0					1.100	2.2	U
100303	L1103012	691803	93111		4.0	6.0					1.100	2.2	U
100304	L1103013	691776	93096		0.0	1.0					0.000		
100304	L1103014	691776	93096		1.0	2.0					1.100	2.2	U
100304	L1103015	691776	93096		2.0	4.0					1.100	2.2	U
100304	L1103016	691776	93096		2.0	4.0					1.100	2.2	U
100304	L1103017	691776	93096		4.0	6.0					1.100	2.2	U
100305	L1103018	692112	92187		0.0	1.0					0.000		
100305	L1103019	692112	92187		1.0	2.0					1.100	2.2	U
100305	L1103020	692112	92187		2.0	4.0					1.100	2.2	U
100305	L1103021	692112	92187		4.0	6.0					1.100	2.2	U
100401	L1104001	691772	93135		0.0	1.0					0.000		
100401	L1104002	691772	93135		1.0	2.0					1.100	2.2	U
100401	L1104003	691772	93135		2.0	4.0					1.100	2.2	U
100401	L1104004	691772	93135		4.0	6.0					1.100	2.2	U
100402	L1104005	691742	93216		0.0	1.0					0.000		
100402	L1104006	691742	93216		1.0	2.0					1.100	2.2	U
100402	L1104007	691742	93216		2.0	4.0					1.100	2.2	U
100402	L1104008	691742	93216		4.0	6.0					1.100	2.2	U
100403	L1104009	691792	93152		0.0	1.0					0.000		
100403	L1104010	691792	93152		1.0	2.0					1.100	2.2	U
100403	L1104011	691792	93152		2.0	4.0					1.100	2.2	U
100403	L1104012	691792	93152		4.0	6.0					1.100	2.2	U
100404	L1104013	691796	93140		0.0	1.0					0.000		
100404	L1104014	691796	93140		1.0	2.0					1.100	2.2	U
100404	L1104015	691796	93140		2.0	4.0					1.100	2.2	U
100404	L1104016	691796	93140		4.0	6.0					1.100	2.2	U
100501	L1105001	691921	92838		0.0	1.0					0.000		
100501	L1105002	691921	92838		1.0	2.0					1.100	2.2	U
100501	L1105003	691921	92838		2.0	4.0					1.100	2.2	U
100501	L1105004	691921	92838		4.0	6.0					1.100	2.2	U
100502	L1105005	691921	92844		0.0	1.0					0.000		
100502	L1105006	691921	92844		1.0	2.0					1.100	2.2	U
100502	L1105007	691921	92844		1.0	2.0					1.100	2.2	U
100502	L1105008	691921	92844		2.0	4.0					1.050	2.1	U
100502	L1105009	691921	92844		4.0	6.0					0.330	2.2	
100503	L1105010	691915	92797		0.0	1.0					0.000		
100503	L1105011	691915	92797		1.0	2.0					1.100	2.2	U

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	HMX		
											Result	DL	VQ
100503	L1105012	691915	92797		2.0	4.0					1.100	2.2	U
100503	L1105013	691915	92797		4.0	6.0					1.100	2.2	U
100504	L1105014	691932	92802		0.0	1.0					0.000		
100504	L1105015	691932	92802		1.0	2.0					1.100	2.2	U
100504	L1105016	691932	92802		2.0	4.0					0.210	2.2	
100504	L1105017	691932	92802		4.0	6.0					1.100	2.2	U
100505	L1105018	691911	92799		0.0	1.0					0.000		
100505	L1105019	691911	92799		1.0	2.0					1.100	2.2	U
100505	L1105020	691911	92799		2.0	4.0					1.100	2.2	U
100505	L1105021	691911	92799		4.0	6.0					1.100	2.2	U
100506	L1105022	691896	92792		1.0	2.0					1.100	2.2	U
100506	L1105023	691896	92792		2.0	4.0					1.100	2.2	U
100506	L1105024	691896	92792		4.0	6.0					1.100	2.2	U
100509	L1105035	691899	92831		0.0	1.0					0.000		
100509	L1105036	691899	92831		1.0	2.0					0.110	2.1	
100509	L1105037	691899	92831		2.0	4.0					0.100	2.2	
100509	L1105038	691899	92831		4.0	6.0					1.100	2.2	U
100510	L1105055	691886	92945		0.0	1.0					0.000		
100510	L1105056	691886	92945		1.0	2.0					1.050	2.1	U
100510	L1105057	691886	92945		2.0	4.0					0.360	2.2	
100510	L1105058	691886	92945		4.0	6.0					1.100	2.2	U
100511	L1105059	691877	92995		1.0	2.0					2.000	2.2	
100511	L1105060	691877	92995		2.0	4.0					0.880	2.2	
100511	L1105061	691877	92995		2.0	4.0					1.000	2.2	
100511	L1105062	691877	92995		4.0	6.0					1.400	2.2	
100512	L1105063	691842	92972		1.0	2.0					1.100	2.2	U
100512	L1105064	691842	92972		2.0	4.0					2.200	2.2	
100512	L1105065	691842	92972		4.0	6.0					1.600	2.2	
100513	L1105066	691845	92995		1.0	2.0					1.100	2.2	U
100513	L1105067	691845	92995		2.0	4.0					1.100	2.2	U
100513	L1105068	691845	92995		2.0	4.0					1.100	2.2	U
100514	L1105069	691849	92986		1.0	2.0					1.100	2.2	U
100514	L1105070	691849	92986		2.0	4.0					1.100	2.2	U
100514	L1105071	691849	92986		4.0	5.0					1.100	2.2	U
100517	L1105079	691867	93001		0.0	1.0					0.000		
100517	L1105080	691867	93001		1.0	2.0					1.000	2.2	
100517	L1105081	691867	93001		2.0	4.0					0.290	2.2	
100517	L1105082	691867	93001		4.0	6.0					1.100	2.2	U
100519	L1105088	691864	92940		0.0	1.0					0.000		
100519	L1105089	691864	92940		1.0	2.0					1.100	2.2	U

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	HMX		
											Result	DL	VQ
100519	L1105090	691864	92940		2.0	4.0					1.100	2.2	U
100519	L1105091	691864	92940		4.0	6.0					1.100	2.2	U
100521	L1105096	691911	92849		0.0	1.0					0.000		
100521	L1105097	691911	92849		1.0	2.0					1.100	2.2	U
100521	L1105098	691911	92849		2.0	4.0					1.100	2.2	U
100521	L1105099	691911	92849		4.0	6.0					1.050	2.1	U
100601	L1106001	691750	92646		0.0	1.0					0.000		
100601	L1106002	691750	92646		1.0	2.0					0.190	2.2	
100601	L1106003	691750	92646		2.0	4.0					0.210	2.2	
100601	L1106004	691750	92646		2.0	4.0					0.260	2.2	
100601	L1106005	691750	92646		4.0	6.0					0.290	2.2	
100602	L1106006	691739	92639		0.0	1.0					0.000		
100602	L1106007	691739	92639		1.0	2.0					0.750	2.2	
100602	L1106008	691739	92639		2.0	4.0					0.130	2.2	
100602	L1106009	691739	92639		4.0	6.0					1.100	2.2	U
100603	L1106010	691621	93000		0.0	1.0					0.000		
100603	L1106011	691621	93000		1.0	2.0					1.050	2.1	U
100603	L1106012	691621	93000		2.0	4.0					1.100	2.2	U
100603	L1106013	691621	93000		4.0	6.0					1.100	2.2	U
100604	L1106014	691632	93007		0.0	1.0					0.000		
100604	L1106015	691632	93007		1.0	2.0					1.100	2.2	U
100604	L1106016	691632	93007		2.0	4.0					0.170	2.2	
100604	L1106017	691632	93007		4.0	6.0					1.100	2.2	U
100701	L1107001	692002	92830		0.0	1.0					0.000		
100701	L1107002	692002	92830		1.0	2.0					1.100	2.2	U
100701	L1107003	692002	92830		2.0	4.0					1.100	2.2	U
100702	L1107005	692023	92845		0.0	1.0					0.000		
100702	L1107006	692023	92845		1.0	2.0					1.100	2.2	U
100702	L1107007	692023	92845		2.0	4.0					1.100	2.2	U
100702	L1107008	692023	92845		4.0	6.0					1.100	2.2	U
100703	L1107009	692034	92800		0.0	1.0					0.000		
100703	L1107010	692034	92800		1.0	2.0					1.100	2.2	U
100703	L1107011	692034	92800		2.0	4.0					1.100	2.2	U
100703	L1107012	692034	92800		4.0	6.0					1.100	2.2	U
100801	L1108001	691700	92779		0.0	1.0					0.000		
100801	L1108002	691700	92779		1.0	2.0					1.050	2.1	U
100801	L1108003	691700	92779		2.0	4.0					1.100	2.2	U
100801	L1108004	691700	92779		2.0	4.0					1.050	2.1	U
100801	L1108005	691700	92779		4.0	6.0					1.100	2.2	U
100802	L1108006	691723	92706		0.0	1.0					0.000		

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	HMX		
											Result	DL	VQ
100802	L1108006A	691723	92706		0.0	1.0					0.000		
100802	L1108007	691723	92706		1.0	2.0					1.100	2.2	U
100802	L1108007A	691723	92706		1.0	2.0					1.100	2.2	U
100802	L1108008	691723	92706		2.0	4.0					1.100	2.2	U
100802	L1108008A	691723	92706		2.0	4.0					1.100	2.2	U
100802	L1108009	691723	92706		4.0	6.0					1.100	2.2	U
100802	L1108009A	691723	92706		4.0	6.0					1.100	2.2	U
100803	L1108010	691715	92725		0.0	1.0					0.000		
100803	L1108011	691715	92725		1.0	2.0					0.190	2.2	
100803	L1108012	691715	92725		2.0	4.0					0.190	2.2	
100803	L1108013	691715	92725		4.0	6.0					0.160	2.2	
100805	L1108018	691709	92730		0.0	1.0					0.000		
100805	L1108019	691709	92730		1.0	2.0					0.540	2.2	
100805	L1108020	691709	92730		2.0	4.0					0.870	2.2	
100805	L1108021	691709	92730		4.0	6.0					0.250	2.2	
101001	L1110001	691959	92688		0.0	1.0					0.000		
101001	L1110002	691959	92688		1.0	2.0					0.180	2.2	
101001	L1110003	691959	92688		2.0	4.0					0.200	2.2	
101001	L1110004	691959	92688		4.0	6.0					0.250	2.2	
101004	L1110016	691978	92653		0.0	1.0					0.000		
101004	L1110017	691978	92653		1.0	2.0					1.100	2.2	U
101004	L1110018	691978	92653		2.0	4.0					1.100	2.2	U
101004	L1110019	691978	92653		4.0	6.0					1.100	2.2	U
101005	L1110037	691993	92609		0.0	1.0					0.000		
101005	L1110038	691993	92609		1.0	2.0					0.760	2.2	
101005	L1110039	691993	92609		2.0	4.0					1.100	2.2	U
101005	L1110040	691993	92609		4.0	6.0					1.100	2.2	U
101006	L1110025	691952	92623		0.0	1.0					0.000		
101006	L1110026	691952	92623		1.0	2.0					1.100	2.2	U
101006	L1110027	691952	92623		2.0	4.0					1.100	2.2	U
101006	L1110028	691952	92623		4.0	5.0					1.100	2.2	U
101007	L1110029	691971	92576		0.0	1.0					0.000		
101007	L1110030	691971	92576		1.0	2.0					0.077	2.2	
101008	L1110033	691999	92585		0.0	1.0					0.000		
101008	L1110034	691999	92585		1.0	2.0					1.100	2.2	U
101008	L1110035	691999	92585		2.0	4.0					1.100	2.2	U
101008	L1110036	691999	92585		4.0	6.0					1.100	2.2	U
101009	L1110021	691999	92618		0.0	1.0					0.000		
101009	L1110022	691999	92618		1.0	2.0					0.540	2.2	
101009	L1110023	691999	92618		2.0	4.0					1.100	2.2	U

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	HMX		
											Result	DL	VQ
101009	L1110024	691999	92618		4.0	6.0					1.100	2.2	U
101101	L1111001	691809	93287		0.0	1.0					0.000		
101101	L1111002	691809	93287		1.0	2.0					1.100	2.2	U
101101	L1111003	691809	93287		2.0	4.0					1.100	2.2	U
101101	L1111004	691809	93287		4.0	6.0					1.100	2.2	U
101102	L1111005	691832	93269		0.0	1.0					0.000		
101102	L1111006	691832	93269		2.0	4.0					0.000		
101103	L1111007	691812	93314		0.0	1.0					0.000		
101103	L1111008	691812	93314		1.0	2.0					1.100	2.2	U
101103	L1111009	691812	93314		2.0	4.0					1.100	2.2	U
101103	L1111010	691812	93314		4.0	6.0					1.100	2.2	U
101104	L1111011	691845	93331		0.0	1.0					0.000		
101104	L1111012	691845	93331		1.0	2.0					1.100	2.2	U
101104	L1111013	691845	93331		2.0	4.0					1.100	2.2	U
101104	L1111014	691845	93331		4.0	6.0					1.100	2.2	U
101105	L1111015	691894	93311		0.0	1.0					0.000		
101105	L1111016	691894	93311		1.0	2.0					1.100	2.2	U
101105	L1111017	691894	93311		2.0	4.0					1.100	2.2	U
101105	L1111018	691894	93311		4.0	6.0					1.100	2.2	U
101106	L1111019	691911	93281		0.0	1.0					0.000		
101106	L1111020	691911	93281		1.0	2.0					1.100	2.2	U
101106	L1111022	691911	93281		2.0	4.0					1.100	2.2	U
101106	L1111023	691911	93281		4.0	6.0					1.100	2.2	U
101107	L1111024	691838	93244		0.0	1.0					0.000		
101107	L1111025	691838	93244		1.0	2.0					1.100	2.2	U
101107	L1111026	691838	93244		2.0	4.0					1.100	2.2	U
101107	L1111027	691838	93244		4.0	6.0					1.100	2.2	U
101201	L1112001	692036	92381		1.0	2.0					1.100	2.2	U
101201	L1112001A	692036	92381		0.0	1.0					0.000		
101201	L1112002	692036	92381		1.0	2.0					1.100	2.2	U
101201	L1112003	692036	92381		2.0	4.0					1.100	2.2	U
101201	L1112004	692036	92381		4.0	6.0					1.100	2.2	U
101204	L1112011A	692080	92344		0.0	1.0					0.000		
101204	L1112012	692080	92344		2.0	4.0					1.100	2.2	U
101204	L1112013	692080	92344		4.0	6.0					1.100	2.2	U
101205	L1112014	692105	92261		1.0	2.0					1.100	2.2	U
101205	L1112014A	692105	92261		0.0	1.0					0.000		
101205	L1112015	692105	92261		2.0	4.0					1.100	2.2	U
101205	L1112016	692105	92261		4.0	6.0					1.100	2.2	U
101206	L1112017	692086	92238		1.0	2.0					1.100	2.2	U

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	HMX		
											Result	DL	VQ
101206	L1112017A	692086	92238		0.0	1.0					0.000		
101206	L1112018	692086	92238		2.0	4.0					1.100	2.2	U
101206	L1112019	692086	92238		4.0	6.0					1.100	2.2	U
101207	L1112020	692050	92340		1.0	2.0					1.100	2.2	U
101207	L1112020A	692050	92340		0.0	1.0					0.000		
101207	L1112021	692050	92340		2.0	4.0					1.100	2.2	U
101207	L1112022	692050	92340		4.0	6.0					1.100	2.2	U
101208	L1112023	692041	92462		0.0	1.0					0.000		
101208	L1112024	692041	92462		1.0	2.0					1.100	2.2	U
101208	L1112025	692041	92462		1.0	2.0					1.100	2.2	U
101208	L1112026	692041	92462		2.0	4.0					1.100	2.2	U
101208	L1112027	692041	92462		4.0	6.0					1.100	2.2	U
101209	L1112028	692063	92389		0.0	1.0					0.000		
101209	L1112029	692063	92389		1.0	2.0					0.170	2.2	
101209	L1112030	692063	92389		2.0	4.0					0.250	2.2	
101209	L1112031	692063	92389		4.0	6.0					1.100	2.2	U
101210	L1112033	692085	92323		1.0	2.0					1.100	2.2	U
101210	L1112034	692085	92323		2.0	4.0					1.100	2.2	U
101210	L1112036	692085	92323		4.0	6.0					1.100	2.2	U
101210	L111232	692085	92323		0.0	1.0					0.000		
101211	L1112037	692098	92292		0.0	1.0					0.000		
101211	L1112038	692098	92292		1.0	2.0					1.100	2.2	U
101211	L1112039	692098	92292		2.0	4.0					1.100	2.2	U
101211	L1112040	692098	92292		4.0	6.0					1.100	2.2	U
101212	L1112041	692076	92256		0.0	1.0					0.000		
101212	L1112042	692076	92256		1.0	2.0					1.100	2.2	U
101212	L1112043	692076	92256		2.0	4.0					0.220	2.2	
101212	L1112044	692076	92256		4.0	6.0					1.100	2.2	U
101213	L1112045	692055	92294		0.0	1.0					0.000		
101213	L1112046	692055	92294		1.0	2.0					1.100	2.2	U
101213	L1112047	692055	92294		2.0	4.0					1.100	2.2	U
101213	L1112048	692055	92294		2.0	4.0					0.000		
101213	L1112049	692055	92294		4.0	6.0					1.100	2.2	U
101301	L1113001	691873	92319		0.0	1.0					0.000		
101301	L1113002	691873	92319		1.0	2.0					1.100	2.2	U
101301	L1113003	691873	92319		2.0	4.0					1.100	2.2	U
101301	L1113004	691873	92319		4.0	6.0					1.100	2.2	U
101302	L1113006	691868	92338		0.0	1.0					0.000		
101302	L1113007	691868	92338		1.0	2.0					1.100	2.2	U
101302	L1113008	691868	92338		2.0	4.0					1.100	2.2	U

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	HMX		
											Result	DL	VQ
101302	L1113009	691868	92338		4.0	6.0					1.100	2.2	U
101303	L1113010	691845	92407		0.0	1.0					0.000		
101303	L1113011	691845	92407		1.0	2.0					1.100	2.2	U
101303	L1113012	691845	92407		2.0	4.0					1.100	2.2	U
101303	L1113013	691845	92407		4.0	6.0					1.100	2.2	U
101304	L1113014	691870	92409		2.0	4.0					0.000		
101304	L1113015	691870	92409		1.0	2.0					1.100	2.2	U
101304	L1113016	691870	92409		2.0	4.0					1.100	2.2	U
101304	L1113017	691870	92409		4.0	6.0					1.100	2.2	U
101305	L1113018	691882	92387		0.0	1.0					0.000		
101305	L1113019	691882	92387		1.0	2.0					1.100	2.2	U
101305	L1113020	691882	92387		2.0	4.0					1.100	2.2	U
101305	L1113021	691882	92387		4.0	6.0					1.100	2.2	U
101306	L1113024	691889	94486		1.0	2.0					1.100	2.2	U
101307	L1113023	691900	92319		1.0	2.0					1.100	2.2	U
101307	L1113027	691900	92319		0.0	1.0					0.000		
101307	L1113028	691900	92319		1.0	2.0					1.100	2.2	U
101308	L11130035	691875	92309		4.0	6.0					1.100	2.2	U
101308	L1113031	691875	92309		0.0	1.0					0.000		
101308	L1113032	691875	92309		1.0	2.0					1.100	2.2	U
101308	L1113033	691875	92309		2.0	4.0					1.100	2.2	U
101308	L1113034	691875	92309		2.0	4.0					1.100	2.2	U
101309	L1113036	691881	92297		0.0	1.0					0.000		
101309	L1113037	691881	92297		1.0	2.0					1.100	2.2	U
101309	L1113038	691881	92297		2.0	4.0					1.100	2.2	U
101309	L1113039	691881	92297		4.0	6.0					1.100	2.2	U
101401	L1114001	691797	92489		0.0	1.0					0.000		
101401	L1114002	691797	92489		1.0	2.0					1.100	2.2	U
101401	L1114003	691797	92489		2.0	4.0					1.100	2.2	U
101401	L1114004	691797	92489		4.0	6.0					1.100	2.2	U
101402	L1114005	691814	92487		0.0	1.0					0.000		
101402	L1114006	691814	92487		1.0	2.0					1.100	2.2	U
101402	L1114007	691814	92487		2.0	4.0					1.100	2.2	U
101402	L1114008	691814	92487		4.0	6.0					1.100	2.2	U
101501	L1115001	691936	92124		0.0	1.0					0.000		
101501	L1115002	691936	92124		1.0	2.0					1.100	2.2	U
101501	L1115003	691936	92124		2.0	4.0					1.100	2.2	U
101501	L1115004	691936	92124		4.0	6.0					1.100	2.2	U
101502	L1115005	691916	92117		0.0	1.0					0.000		
101502	L1115006	691916	92117		1.0	2.0					1.100	2.2	U

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	HMX		
											Result	DL	VQ
101502	L1115007	691916	92117		2.0	4.0					1.100	2.2	U
101502	L1115008	691916	92117		4.0	6.0					1.100	2.2	U
101503	L1115009	691925	92088		0.0	1.0					0.000		
101503	L1115010	691925	92088		1.0	2.0					1.100	2.2	U
101503	L1115011	691925	92088		2.0	4.0					1.100	2.2	U
101503	L1115012	691925	92088		4.0	6.0					1.100	2.2	U
101504	L1115014	691931	92075		0.0	1.0					0.000		
101504	L1115015	691931	92075		1.0	2.0					1.100	2.2	U
101504	L1115016	691931	92075		2.0	4.0					1.100	2.2	U
101504	L1115017	691931	92075		4.0	6.0					1.100	2.2	U
101505	L1115018	691943	92106		0.0	1.0					0.000		
101505	L1115019	691943	92106		1.0	2.0					1.100	2.2	U
101505	L1115020	691943	92106		2.0	4.0					1.100	2.2	U
101505	L1115021	691943	92106		4.0	6.0					1.100	2.2	U
101506	L1115022	691950	92080		0.0	1.0					0.000		
101506	L1115023	691950	92080		1.0	2.0					1.100	2.2	U
101506	L1115024	691950	92080		2.0	4.0					1.100	2.2	U
101506	L1115025	691950	92080		4.0	6.0					1.100	2.2	U
101601	L1116001	692018	92532		1.0	2.0					0.000		
101602	L1116002	692025	92510		1.0	2.0					0.000		
101604	L1116005	692012	92535		1.0	2.0					0.000		
101605	L1116006	692003	92526		1.0	2.0					0.000		
101605	L1116007	692003	92526		1.0	2.0					0.000		
101901	L1119001	691756	92245		0.0	1.0					0.000		
101901	L1119002	691756	92245		1.0	2.0					1.100	2.2	U
101901	L1119003	691756	92245		2.0	4.0					1.100	2.2	U
101901	L1119004	691756	92245		4.0	6.0					1.100	2.2	U
101902	L1119005	691701	92291		0.0	1.0					0.000		
101902	L1119006	691701	92291		1.0	2.0					1.100	2.2	U
101902	L1119007	691701	92291		2.0	4.0					1.100	2.2	U
101902	L1119008	691701	92291		4.0	6.0					1.100	2.2	U
101903	L1119011	691682	92349		0.0	1.0					0.000		
101903	L1119012	691682	92349		1.0	2.0					1.100	2.2	U
101903	L1119013	691682	92349		2.0	4.0					1.100	2.2	U
101903	L1119014	691682	92349		4.0	6.0					15.000	2.2	
101904	L1119015	691752	92256		0.0	1.0					0.000		
101904	L1119016	691752	92256		1.0	2.0					1.100	2.2	U
101904	L1119017	691752	92256		2.0	4.0					1.100	2.2	U
101904	L1119018	691752	92256		4.0	6.0					1.100	2.2	U
101905	L1119019	691756	92280		0.0	1.0					0.000		

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	HMX		
											Result	DL	VQ
101905	L1119020	691756	92280		1.0	2.0					1.100	2.2	U
101905	L1119021	691756	92280		2.0	4.0					1.100	2.2	U
101905	L1119022	691756	92280		4.0	6.0					1.100	2.2	U
103601	L1136001	691816	93159		0.0	1.0					0.000		
103601	L1136002	691816	93159		1.0	2.0					0.000		
103601	L1136003	691816	93159		2.0	4.0					0.000		
103602	L1136004	691819	93152		0.0	1.0					0.000		
103602	L1136005	691819	93152		1.0	2.0					0.000		
103602	L1136006	691819	93152		2.0	4.0					0.000		
103603	L1136007	691811	93151		0.0	1.0					0.000		
103603	L1136008	691811	93151		1.0	2.0					0.000		
103603	L1136009	691811	93151		2.0	4.0					0.000		
104001	L1140001	691989	92970		0.0	1.0					0.000		
104001	L1140002	691989	92970		1.0	2.0					1.100	2.2	U
104001	L1140003	691989	92970		2.0	4.0					1.100	2.2	U
104001	L1140004	691989	92970		4.0	6.0					1.100	2.2	U
104002	L1140005	691966	92968		0.0	1.0					0.000		
104002	L1140007	691966	92968		1.0	2.0					1.100	2.2	U
104002	L1140008	691966	92968		2.0	4.0					1.100	2.2	U
104002	L1140009	691966	92968		4.0	6.0					1.100	2.2	U
104003	L1140010	692020	92953		0.0	1.0					0.000		
104003	L1140011	692020	92953		0.0	1.0					1.100	2.2	U
104003	L1140013	692020	92953		2.0	4.0					1.100	2.2	U
104003	L1140014	692020	92953		4.0	6.0					1.100	2.2	U
104004	L1140015	691950	92925		0.0	1.0					0.000		
104004	L1140016	691950	92925		1.0	2.0					1.100	2.2	U
104004	L1140017	691950	92925		2.0	4.0					1.100	2.2	U
104004	L1140018	691950	92925		4.0	6.0					1.100	2.2	U
104005	L1140006	692034	92912		2.0	4.0					1.100	2.2	U
104005	L1140020	692034	92912		0.0	1.0					0.000		
104005	L1140021	692034	92912		1.0	2.0					1.100	2.2	U
104005	L1140022	692034	92912		2.0	4.0					1.100	2.2	U
104005	L1140023	692034	92912		4.0	6.0					1.100	2.2	U
104006	L1140024	692023	92873		0.0	1.0					0.000		
104006	L1140025	692023	92873		1.0	2.0					1.100	2.2	U
104006	L1140026	692023	92873		2.0	4.0					1.100	2.2	U
104006	L1140027	692023	92873		4.0	6.0					1.100	2.2	U
104007	L1140028	691983	92874		0.0	1.0					0.000		
104007	L1140029	691983	92874		1.0	2.0					1.100	2.2	U
104007	L1140030	691983	92874		2.0	4.0					1.100	2.2	U

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	HMX		
											Result	DL	VQ
105001	L1150001	691709	92844		1.0	2.0					1.050	2.1	U
105001	L1150002	691709	92844		2.0	4.0					1.100	2.2	U
105001	L1150003	691709	92844		4.0	6.0					1.100	2.2	U
105003	L1150007	691689	92828		0.0	1.0					0.000		
105003	L1150008	691689	92828		1.0	2.0					1.100	2.2	U
105003	L1150009	691689	92828		2.0	4.0					1.050	2.1	U
105003	L1150010	691689	92828		4.0	6.0					1.050	2.1	U
105004	L1150011	691716	92826		0.0	1.0					0.000		
105004	L1150012	691716	92826		1.0	2.0					1.100	2.2	U
105004	L1150013	691716	92826		2.0	4.0					1.100	2.2	U
105004	L1150014	691716	92826		4.0	6.0					1.100	2.2	U
105301	L1153001	692136	92161		1.0	2.0					1.100	2.2	U
105301	L1153001A	692136	92161		0.0	1.0					0.000		
105301	L1153003	692136	92161		2.0	4.0					1.100	2.2	U
105301	L1153004	692136	92161		4.0	6.0					1.100	2.2	U
105302	L1153002	692145	92145		0.0	1.0					0.000		
105302	L1153005	692145	92145		1.0	2.0					1.100	2.2	U
105302	L1153005A	692145	92145		0.0	1.0					0.000		
105302	L1153006	692145	92145		2.0	4.0					1.100	2.2	U
105302	L1153007	692145	92145		4.0	6.0					1.100	2.2	U
105303	L1153008	692108	92140		1.0	2.0					1.100	2.2	U
105303	L1153008A	692108	92140		0.0	1.0					0.000		
105303	L1153009	692108	92140		2.0	4.0					1.100	2.2	U
105303	L1153010	692108	92140		4.0	6.0					1.100	2.2	U
106002	L1160006	691662	92877		0.0	1.0					0.000		
106002	L1160007	691662	92877		1.0	2.0					1.100	2.2	U
106002	L1160008	691662	92877		2.0	4.0					1.050	2.1	U
106002	L1160009	691662	92877		4.0	6.0					1.100	2.2	U
106003	L1160010	691680	92888		0.0	1.0					0.000		
106003	L1160011	691680	92888		1.0	2.0					1.100	2.2	U
106003	L1160012	691680	92888		2.0	4.0					1.050	2.1	U
106003	L1160013	691680	92888		4.0	6.0					1.100	2.2	U
106003	L1160014	691680	92888		4.0	6.0					1.100	2.2	U
106004	L1160015	691680	92900		0.0	1.0					0.000		
106004	L1160016	691680	92900		1.0	2.0					1.100	2.2	U
106004	L1160017	691680	92900		2.0	4.0					1.100	2.2	U
106004	L1160019	691680	92900		4.0	6.0					1.050	2.1	U
106101	L1161001	691947	93086		0.0	1.0					0.000		
106101	L1161002	691947	93086		1.0	2.0					1.100	2.2	U
106101	L1161003	691947	93086		2.0	4.0					1.100	2.2	U

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	HMX		
											Result	DL	VQ
106101	L1161004	691947	93086		4.0	6.0					1.100	2.2	U
106102	L1161005	691909	93057		0.0	1.0					0.000		
106102	L1161006	691909	93057		1.0	2.0					1.100	2.2	U
106102	L1161007	691909	93057		1.0	2.0					1.100	2.2	U
106102	L1161008	691909	93057		2.0	4.0					1.100	2.2	U
106102	L1161009	691909	93057		4.0	6.0					1.100	2.2	U
106104	L1161014	691956	93011		0.0	1.0					0.000		
106104	L1161015	691956	93011		1.0	2.0					1.100	2.2	U
106104	L1161016	691956	93011		2.0	4.0					1.100	2.2	U
106104	L1161017	691956	93011		4.0	6.0					1.100	2.2	U
106301	L1163009	692099	92970		0.0	1.0					0.000		
106301	L1163010	692099	92970		1.0	2.0					1.100	2.2	U
106301	L1163011	692099	92970		2.0	4.0					1.100	2.2	U
106301	L1163012	692099	92970		4.0	6.0					1.100	2.2	U
106302	L1163013	692094	92997		0.0	1.0					0.000		
106302	L1163015	692094	92997		2.0	4.0					1.100	2.2	U
106302	L1163016	692094	92997		4.0	6.0					1.100	2.2	U
106303	L1163017	692099	93024		0.0	1.0					0.000		
106303	L1163018	692099	93024		1.0	2.0					1.100	2.2	U
106303	L1163019	692099	93024		2.0	4.0					1.100	2.2	U
106303	L1163020	692099	93024		4.0	6.0					1.100	2.2	U
106304	L1163021	692101	93040		0.0	1.0					0.000		
106304	L1163022	692101	93040		1.0	2.0					1.100	2.2	U
106304	L1163023	692101	93040		2.0	4.0					1.100	2.2	U
106304	L1163024	692101	93040		4.0	6.0					1.100	2.2	U
106305	L1163025	692073	93131		0.0	1.0					0.000		
106305	L1163026	692073	93131		1.0	2.0					1.100	2.2	U
106305	L1163027	692073	93131		1.0	2.0					1.100	2.2	U
106305	L1163028	692073	93131		2.0	4.0					1.100	2.2	U
106305	L1163029	692073	93131		4.0	6.0					1.100	2.2	U
106306	L1163030	692055	93147		0.0	1.0					0.000		
106306	L1163031	692055	93147		1.0	2.0					1.100	2.2	U
106306	L1163032	692055	93147		2.0	4.0					1.100	2.2	U
106306	L1163033	692055	93147		4.0	6.0					1.100	2.2	U
106307	L1163034	692088	93113		0.0	1.0					0.000		
106307	L1163035	692088	93113		1.0	2.0					1.100	2.2	U
106307	L1163036	692088	93113		2.0	4.0					1.100	2.2	U
106307	L1163037	692088	93113		4.0	6.0					1.100	2.2	U
106308	L1163038	692094	93102		0.0	1.0					0.000		
106308	L1163039	692094	93102		1.0	2.0					0.890	2.2	

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	HMX		
											Result	DL	VQ
106308	L1163040	692094	93102		2.0	4.0					1.100	2.2	U
106308	L1163041	692094	93102		4.0	6.0					1.100	2.2	U
106401	L1164001	692022	93174		0.0	1.0					0.000		
106401	L1164002	692022	93174		1.0	2.0					1.100	2.2	U
106401	L1164003	692022	93174		2.0	4.0					1.100	2.2	U
106401	L1164004	692022	93174		4.0	6.0					1.100	2.2	U
106401	L1164018	692022	93174		0.0	1.0					0.000		
106402	L1164005	692011	93185		0.0	1.0					0.000		
106402	L1164006	692011	93185		4.0	6.0					1.100	2.2	U
106402	L1164007	692011	93185		2.0	4.0					1.100	2.2	U
106402	L1164008	692011	93185		4.0	6.0					1.100	2.2	U
106403	L1164009	692000	93195		0.0	1.0					0.000		
106403	L1164010	692000	93195		1.0	2.0					0.250	2.2	
106403	L1164011	692000	93195		2.0	4.0					1.100	2.2	U
106403	L1164012	692000	93195		4.0	6.0					1.100	2.2	U
106403	L1164013	692000	93195		4.0	6.0					1.100	2.2	U
106404	L1164014	691970	93215		2.0	4.0					0.000		
106404	L1164015	691970	93215		1.0	2.0					1.100	2.2	U
106404	L1164016	691970	93215		2.0	4.0					1.100	2.2	U
106404	L1164017	691970	93215		4.0	6.0					1.100	2.2	U
106501	L1165001	692089	92859		0.0	1.0					0.000		
106501	L1165002	692089	92859		1.0	2.0					0.140	2.2	
106501	L1165003	692089	92859		2.0	4.0					1.100	2.2	U
106501	L1165004	692089	92859		4.0	6.0					1.100	2.2	U
106501	L1165005	692089	92859		4.0	6.0					1.100	2.2	U
106502	L1165006	692086	92848		0.0	1.0					0.000		
106502	L1165007	692086	92848		1.0	2.0					1.100	2.2	U
106502	L1165008	692086	92848		2.0	4.0					1.100	2.2	U
106502	L1165009	692086	92848		4.0	6.0					1.100	2.2	U
106503	L1165010	692175	92980		0.0	1.0					0.000		
106503	L1165011	692175	92980		1.0	2.0					1.100	2.2	U
106503	L1165012	692175	92980		2.0	4.0					1.100	2.2	U
106503	L1165013	692175	92980		4.0	6.0					1.100	2.2	U
106503	L1165030	692175	92980		1.0	2.0					1.100	2.2	U
106504	L1165014	692161	92912		0.0	1.0					0.000		
106504	L1165015	692161	92912		1.0	2.0					0.069	2.2	
106504	L1165016	692161	92912		2.0	4.0					1.100	2.2	U
106504	L1165017	692161	92912		4.0	6.0					1.100	2.2	U
106505	L1165018	692194	92823		0.0	1.0					0.000		
106505	L1165019	692194	92823		1.0	2.0					1.100	2.2	U

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	HMX		
											Result	DL	VQ
106505	L1165020	692194	92823		2.0	4.0					1.100	2.2	U
106505	L1165021	692194	92823		4.0	6.0					1.100	2.2	U
106506	L1165022	692273	92884		0.0	1.0					0.000		
106506	L1165023	692273	92884		1.0	2.0					1.100	2.2	U
106506	L1165024	692273	92884		2.0	4.0					1.100	2.2	U
106506	L1165025	692273	92884		4.0	6.0					1.100	2.2	U
106507	L1165026	692267	92904		0.0	1.0					0.000		
106507	L1165027	692267	92904		1.0	2.0					1.100	2.2	U
106507	L1165028	692267	92904		2.0	4.0					1.100	2.2	U
106507	L1165029	692267	92904		4.0	6.0					1.100	2.2	U
106507	L1165031	692267	92904		0.0	1.0					0.000		
106601	L1166001	691723	92395		0.0	1.0					0.000		
106601	L1166002	691723	92395		1.0	2.0					1.100	2.2	U
106601	L1166003	691723	92395		2.0	4.0					1.100	2.2	U
106601	L1166004	691723	92395		4.0	6.0					1.100	2.2	U
106602	L1166007	691680	92381		0.0	1.0					0.000		
106602	L1166008	691680	92381		1.0	2.0					1.100	2.2	U
106602	L1166009	691680	92381		2.0	4.0					1.100	2.2	U
106602	L1166010	691680	92381		4.0	6.0					1.100	2.2	U
106701	L1167001	691949	93193		0.0	1.0					0.000		
106701	L1167002	691949	93193		1.0	2.0					1.100	2.2	U
106701	L1167003	691949	93193		2.0	4.0					1.100	2.2	U
106701	L1167004	691949	93193		4.0	6.0					1.100	2.2	U
106702	L1167005	691953	93162		0.0	1.0					0.000		
106702	L1167006	691953	93162		1.0	2.0					1.100	2.2	U
106702	L1167007	691953	93162		1.0	2.0					1.100	2.2	U
106702	L1167008	691953	93162		4.0	6.0					1.100	2.2	U
106703	L1167009	691973	93141		0.0	1.0					0.000		
106703	L1167010	691973	93141		1.0	2.0					1.100	2.2	U
106703	L1167011	691973	93141		2.0	4.0					1.100	2.2	U
106703	L1167012	691973	93141		4.0	6.0					1.100	2.2	U
107001	L1170001	691981	92458		0.0	1.0					0.000		
107001	L1170002	691981	92458		1.0	2.0					1.100	2.2	U
107001	L1170003	691981	92458		2.0	4.0					2.000	2.2	
107001	L1170004	691981	92458		4.0	6.0					1.100	2.2	U
107002	L1170005	691961	92498		0.0	1.0					0.000		
107002	L1170006	691961	92498		1.0	2.0					0.350	2.2	
107002	L1170007	691961	92498		2.0	4.0					0.220	2.2	
107002	L1170008	691961	92498		4.0	6.0					0.630	2.2	
107101	L1171001	691874	92664		0.0	1.0					0.000		

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	HMX		
											Result	DL	VQ
107101	L1171002	691874	92664		1.0	2.0					1.100	2.2	U
107101	L1171003	691874	92664		2.0	4.0					1.100	2.2	U
107101	L1171004	691874	92664		4.0	6.0					1.100	2.2	U
107201	L1172001	691875	92586		0.0	1.0					0.000		
107201	L1172002	691875	92586		1.0	2.0					1.100	2.2	U
107201	L1172003	691875	92586		2.0	4.0					1.100	2.2	U
107201	L1172004	691875	92586		4.0	6.0					1.100	2.2	U
107201	L1172005	691875	92586		4.0	6.0					1.100	2.2	U
107303	L1173009	691882	92517		0.0	1.0					0.000		
107303	L1173010	691882	92517		1.0	2.0					1.050	2.1	U
107303	L1173011	691882	92517		2.0	4.0					1.050	2.1	U
107303	L1173012	691882	92517		4.0	6.0					1.100	2.2	U
107304	L1173013	691895	92491		0.0	1.0					0.000		
107304	L1173014	691895	92491		1.0	2.0					1.100	2.2	U
107304	L1173015	691895	92491		2.0	4.0					1.100	2.2	U
107304	L1173016	691895	92491		4.0	6.0					1.100	2.2	U
107305	L1173017	691925	92475		0.0	1.0					0.000		
107305	L1173018	691925	92475		1.0	2.0					1.100	2.2	U
107305	L1173019	691925	92475		2.0	4.0					1.100	2.2	U
107305	L1173020	691925	92475		4.0	6.0					1.100	2.2	U
107401	L1174001	691962	92425		0.0	1.0					0.000		
107401	L1174002	691962	92425		1.0	2.0					0.110	2.2	
107401	L1174003	691962	92425		2.0	4.0					0.310	2.2	
107401	L1174004	691962	92425		4.0	6.0					0.130	2.2	
107501	L1175001	691970	92319		0.0	1.0					0.000		
107501	L1175002	691970	92319		1.0	2.0					1.100	2.2	U
107501	L1175003	691970	92319		2.0	4.0					1.100	2.2	U
107501	L1175004	691970	92319		4.0	6.0					0.310	2.2	
107601	L1176001	691995	92243		0.0	1.0					0.000		
107601	L1176002	691995	92243		1.0	2.0					1.100	2.2	U
107601	L1176003	691995	92243		1.0	2.0					1.100	2.2	U
107601	L1176004	691995	92243		2.0	4.0					1.100	2.2	U
107601	L1176005	691995	92243		4.0	6.0					1.100	2.2	U
107701	L1177001	691839	93355		0.0	1.0					0.000		
107701	L1177002	691839	93355		1.0	2.0					1.100	2.2	U
107701	L1177003	691839	93355		2.0	4.0					1.100	2.2	U
107701	L1177004	691839	93355		4.0	6.0					1.100	2.2	U
108501	L1185001	692145	93053		0.0	1.0					0.000		
108501	L1185002	692145	93053		1.0	2.0					1.100	2.2	U
108501	L1185003	692145	93053		2.0	4.0					1.100	2.2	U

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	HMX		
											Result	DL	VQ
108501	L1185004	692145	93053		4.0	6.0					1.100	2.2	U
108502	L1185005	692193	93114		0.0	1.0					0.000		
108502	L1185006	692193	93114		1.0	2.0					1.100	2.2	U
108502	L1185007	692193	93114		1.0	2.0					1.100	2.2	U
108502	L1185009	692193	93114		4.0	6.0					1.100	2.2	U
110001	L11100001	691889	92747		0.0	1.0					0.000		
110001	L11100002	691889	92747		1.0	2.0					1.100	2.2	U
110001	L11100003	691889	92747		2.0	4.0					1.100	2.2	U
110001	L11100004	691889	92747		2.0	4.0					1.050	2.1	U
110003	L11100009	691958	92733		4.0	6.0					1.100	2.2	U
110003	L11100010	691958	92733		0.0	1.0					0.000		
110003	L11100011	691958	92733		1.0	2.0					1.100	2.2	U
110003	L11100012	691958	92733		1.0	2.0					1.100	2.2	U
110003	L11100013	691958	92733		2.0	4.0					1.050	2.1	U
110003	L11100014	691958	92733		4.0	6.0					1.100	2.2	U
110021	L111002001	691703	92269		0.0	1.0					0.000		
110021	L111002002	691703	92269		0.0	1.0					0.000		
110021	L111002003	691703	92269		1.0	2.0					1.100	2.2	U
110021	L111002004	691703	92269		2.0	4.0					1.100	2.2	U
110021	L111002005	691703	92269		4.0	6.0					1.100	2.2	U
110021	L111002006	691703	92269		4.0	6.0					1.100	2.2	U
112421	L11124001	691974	93402		1.0	2.0					1.100	2.2	U
112421	L11124002	691974	93402		2.0	4.0					1.100	2.2	U
112421	L11124003	691974	93402		4.0	6.0					1.100	2.2	U
112422	L11124004	691977	93392		1.0	2.0					1.100	2.2	U
112422	L11124005	691977	93392		2.0	4.0					1.100	2.2	U
112422	L11124006	691977	93392		4.0	6.0					1.100	2.2	U
112423	L11124007	691956	93454		1.0	2.0					1.100	2.2	U
112423	L11124008	691956	93454		2.0	4.0					1.100	2.2	U
112423	L11124009	691956	93454		4.0	6.0					1.100	2.2	U
112901	L11129001	691933	93378		1.0	2.0					1.100	2.2	U
112901	L11129002	691933	93378		2.0	4.0					1.100	2.2	U
112901	L11129003	691933	93378		4.0	6.0					1.100	2.2	U
112902	L11129004	691961	93373		1.0	2.0					0.000		
112902	L11129005	691961	93373		2.0	4.0					0.000		
112902	L11129006	691961	93373		2.0	4.0					0.000		
112903	L11129007	691939	93367		1.0	2.0					1.100	2.2	U
112903	L11129008	691939	93367		2.0	4.0					1.100	2.2	U
112903	L11129009	691939	93367		4.0	6.0					1.100	2.2	U
115201	L11152001	691670	93440		1.0	2.0					0.000		

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	HMX		
											Result	DL	VQ
115201	L11152002	691670	93440		2.0	4.0					0.000		
115202	L11152003	691677	93430		1.0	2.0					0.000		
115202	L11152004	691677	93430		2.0	4.0					0.000		
115203	L11152005	691655	93409		1.0	2.0					0.000		
115203	L11152006	691655	93409		2.0	4.0					0.000		
115204	L11152007	691646	93444		1.0	2.0					0.000		
115204	L11152008	691646	93444		2.0	4.0					0.000		
115205	L11152009	691681	93484		1.0	2.0					0.000		
115205	L11152009DL	691681	93484		1.0	2.0					0.000		
115205	L11152011	691681	93484		2.0	4.0					0.000		
115206	L11152012	691648	93431		1.0	2.0					0.000		
115206	L11152013	691648	93431		2.0	4.0					0.000		
115207	L11152014	691651	93420		1.0	2.0					0.000		
115207	L11152015	691651	93420		2.0	4.0					0.000		
115501	L11155001	691829	92890		0.0	1.0					0.000		
115501	L11155002	691829	92890		1.0	2.0					1.100	2.2	U
115501	L11155003	691829	92890		2.0	4.0					1.050	2.1	U
115501	L11155004	691829	92890		4.0	6.0					1.100	2.2	U
115501	L11155005	691829	92890		4.0	6.0					0.082	2.1	
115502	L11155006	691921	92626		0.0	1.0					0.000		
115502	L11155007	691921	92626		1.0	2.0					1.100	2.2	U
115502	L11155008	691921	92626		2.0	4.0					1.100	2.2	U
115502	L11155009	691921	92626		4.0	6.0					1.100	2.2	U
115503	L11155010	692016	92333		0.0	1.0					0.000		
115503	L11155011	692016	92333		1.0	2.0					1.100	2.2	U
115503	L11155012	692016	92333		2.0	4.0					2.000	2.2	
116901	L11169001	691798	92297		0.0	1.0					0.000		
116901	L11169002	691798	92297		1.0	2.0					0.000		
116902	L1169003	691703	93210		0.0	1.0					0.000		
116902	L1169004	691703	93210		1.0	2.0					0.000		
116903	L11169005	691920	92946		0.0	1.0					0.000		
116903	L11169006	691920	92946		1.0	2.0					0.000		
116904	L11169007	691946	92866		0.0	1.0					0.000		
116904	L11169008	691946	92866		1.0	2.0					0.000		
116905	L11169009	692120	92125		0.0	1.0					0.000		
116905	L11169010	692120	92125		1.0	2.0					0.000		
116906	L11169011	692028	92646		1.0	2.0					0.000		
116907	L11169013	692114	92355		0.0	1.0					0.000		
116907	L11169014	692114	92355		1.0	2.0					0.000		
116908	L11169016	692066	92273		0.0	1.0					0.000		

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	HMX		
											Result	DL	VQ
116908	L11169017	692066	92273		1.0	2.0					0.000		
116909	L11169018	691757	92233		0.0	1.0					0.000		
116909	L11169019	691757	92233		1.0	2.0					0.000		
116910	L11169020	691979	93373		0.0	1.0					0.000		
116910	L11169021	691979	93373		1.0	2.0					0.000		
116911	L11169022	691769	93328		0.0	1.0					0.000		
116911	L11169023	691769	93328		1.0	2.0					0.000		
116912	L11169024	691863	93415		0.0	1.0					0.000		
116912	L11169025	691863	93415		1.0	2.0					0.000		
116913	L11169026	691701	92898		0.0	1.0					0.000		
116913	L11169027	691701	92898		1.0	2.0					0.000		
116914	L11169028	691725	93411		0.0	1.0					0.000		
116914	L11169028DL	691725	93411		0.0	1.0					0.000		
116914	L11169029	691725	93411		1.0	2.0					0.000		
116914	L11169029DL	691725	93411		1.0	2.0					0.000		
116915	L11169030	691883	93355		0.0	1.0					0.000		
116915	L11169031	691883	93355		0.0	1.0					0.000		
116916	L11169032	692204	93063		0.0	1.0					0.000		
116916	L11169033	692204	93063		0.0	1.0					0.000		
116916	L11169034	692204	93063		1.0	2.0					0.000		
116917	L11169035	691698	92263		0.0	1.0					0.000		
116917	L11169036	691698	92263		1.0	2.0					0.000		
116918	L11169037	691949	93168		0.0	1.0					0.000		
116918	L11169038	691949	93168		1.0	2.0					0.000		
116919	L11169039	692104	92656		0.0	1.0					0.000		
116919	L11169040	692104	92656		1.0	2.0					0.000		
116920	L11169041	691813	92098		0.0	1.0					0.000		
116920	L11169042	691813	92098		1.0	2.0					0.000		
116920	L11169043	691813	92098		1.0	2.0					0.000		
116921	L11169044	692141	92572		0.0	1.0					0.000		
116921	L11169045	692141	92572		1.0	2.0					0.000		
116922	L11169046	692089	92779		0.0	1.0					0.000		
116922	L11169047	692089	92779		1.0	2.0					0.000		
116925	L11169052	691675	93311		0.0	1.0					0.000		
116925	L11169053	691675	93311		1.0	2.0					0.000		
160302	L1163014	692094	92997		1.0	2.0					1.100	2.2	U
163701	L1163001	691731	92351		0.0	1.0					0.000		
163701	L1163002	691731	92351		1.0	2.0					1.100	2.2	U
163701	L1163003	691731	92351		2.0	4.0					0.000		
163701	L1163004	691731	92351		4.0	6.0					1.100	2.2	U

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	HMX		
											Result	DL	VQ
163702	L1163005	691759	92309		0.0	1.0					0.000		
163702	L1163006	691759	92309		1.0	2.0					1.100	2.2	U
163702	L1163007	691759	92309		2.0	4.0					1.100	2.2	U
163702	L1163008	691759	92309		4.0	6.0					1.100	2.2	U
10DD01	L110DD001	691669	93262		0.0	1.0					0.000		
10DD01	L110DD002	691669	93262		1.0	2.0					1.100	2.2	U
10DD01	L110DD003	691669	93262		2.0	4.0					1.100	2.2	U
10DD01	L110DD004	691669	93262		4.0	6.0					1.100	2.2	U
10DD02	L110DD005	691641	93234		0.0	1.0					0.000		
10DD02	L110DD006	691641	93234		1.0	2.0					1.100	2.2	U
10DD02	L110DD007	691641	93234		2.0	4.0					1.100	2.2	U
10DD02	L110DD008	691641	93234		4.0	6.0					1.050	2.1	U
10DD03	L110DD009	691565	93119		0.0	1.0					0.000		
10DD03	L110DD010	691565	93119		1.0	2.0					1.100	2.2	U
10DD03	L110DD011	691565	93119		2.0	4.0					1.100	2.2	U
10DD03	L110DD012	691565	93119		4.0	6.0					1.100	2.2	U
10DD04	L110DD013	691508	93081		0.0	1.0					0.000		
10DD04	L110DD014	691508	93081		1.0	2.0					1.100	2.2	U
10DD04	L110DD015	691508	93081		2.0	4.0					1.100	2.2	U
10DD04	L110DD016	691508	93081		2.0	4.0					1.050	2.1	U
10DD04	L110DD017	691508	93081		4.0	6.0					1.100	2.2	U
10DD05	L110DD018	691525	93099		0.0	1.0					0.000		
10DD05	L110DD019	691525	93099		1.0	2.0					1.100	2.2	U
10DD07	L110DD026	691660	93153		0.0	1.0					0.000		
10DD07	L110DD027	691660	93153		1.0	2.0					1.100	2.2	U
10DD07	L110DD028	691660	93153		2.0	4.0					1.050	2.1	U
10DD07	L110DD029	691660	93153		4.0	6.0					1.100	2.2	U
10DD09	L110DD034	691861	92762		0.0	1.0					0.000		
10DD09	L110DD035	691861	92762		1.0	2.0					0.068	2.2	
10DD09	L110DD036	691861	92762		2.0	4.0					0.150	2.2	
10DD09	L110DD037	691861	92762		4.0	6.0					0.190	2.2	
10DD10	L110DD038	691839	92768		0.0	1.0					0.000		
10DD10	L110DD039	691839	92768		0.0	1.0					0.000		
10DD10	L110DD040	691839	92768		1.0	2.0					1.100	2.2	U
10DD10	L110DD041	691839	92768		2.0	4.0					1.100	2.2	U
10DD10	L110DD042	691839	92768		4.0	6.0					1.100	2.2	U
10DD11	L110DD043	691762	92784		0.0	1.0					0.000		
10DD11	L110DD044	691762	92784		1.0	2.0					1.100	2.2	U
10DD11	L110DD045	691762	92784		1.0	2.0					1.100	2.2	U
10DD11	L110DD046	691762	92784		2.0	4.0					1.100	2.2	U

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	HMX		
											Result	DL	VQ
10DD11	L110DD047	691762	92784		4.0	6.0					1.100	2.2	U
10DD12	L110DD048	691726	92790		0.0	1.0					0.000		
10DD12	L110DD049	691726	92790		1.0	2.0					1.050	2.1	U
10DD12	L110DD050	691726	92790		2.0	4.0					1.050	2.1	U
10DD12	L110DD051	691726	92790		4.0	6.0					1.050	2.1	U
10DD13	L110DD052	691627	92701		0.0	1.0					0.000		
10DD13	L110DD053	691627	92701		1.0	2.0					1.100	2.2	U
10DD13	L110DD054	691627	92701		2.0	4.0					1.100	2.2	U
10DD13	L110DD055	691627	92701		4.0	6.0					1.100	2.2	U
10DD14	L110DD056	691617	92673		0.0	1.0					0.000		
10DD14	L110DD057	691617	92673		1.0	2.0					1.100	2.2	U
10DD14	L110DD058	691617	92673		2.0	4.0					1.100	2.2	U
10DD14	L110DD059	691617	92673		4.0	6.0					1.100	2.2	U
10DD15	L110DD060	691625	92545		0.0	1.0					0.000		
10DD15	L110DD061	691625	92545		1.0	2.0					0.450	2.2	
10DD15	L110DD062	691625	92545		2.0	4.0					1.100	2.2	U
10DD15	L110DD063	691625	92545		4.0	6.0					0.460	2.2	
10DD16	L110DD065	691588	92546		1.0	2.0					1.100	2.2	U
10DD16	L110DD066	691588	92546		2.0	4.0					1.100	2.2	U
10DD16	L110DD067	691588	92546		4.0	6.0					1.100	2.2	U
10DD17	L110DD069	691547	92435		1.0	2.0					1.100	2.2	U
10DD17	L110DD070	691547	92435		2.0	4.0					1.100	2.2	U
10DD17	L110DD071	691547	92435		4.0	6.0					1.100	2.2	U
10DD17	L110DD072	691547	92435		4.0	6.0					1.100	2.2	U
10DD18	L110DD074	691582	92419		1.0	2.0					1.100	2.2	U
10DD18	L110DD075	691582	92419		2.0	4.0					1.100	2.2	U
10DD18	L110DD076	691582	92419		4.0	6.0					1.100	2.2	U
10DD19	L110DD077	691678	92547		0.0	1.0					0.000		
10DD19	L110DD078DL	691678	92547		1.0	2.0					45.000	8.8	
10DD19	L110DD079DL	691678	92547		2.0	4.0					0.000		
10DD20	L110DD081	691806	92511		0.0	1.0					0.000		
10DD20	L110DD082	691806	92511		1.0	2.0					1.100	2.2	U
10DD20	L110DD083	691806	92511		2.0	4.0					1.100	2.2	U
10DD20	L110DD084	691806	92511		4.0	6.0					1.100	2.2	U
10DD21	L110DD085	691838	92504		0.0	1.0					0.000		
10DD21	L110DD086	691838	92504		1.0	2.0					1.100	2.2	U
10DD21	L110DD087	691838	92504		2.0	4.0					1.100	2.2	U
10DD21	L110DD088	691838	92504		4.0	6.0					1.100	2.2	U
10DD22	L110DD089	691858	92111		0.0	1.0					0.000		
10DD22	L110DD090	691858	92111		1.0	2.0					1.100	2.2	U

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	HMX		
											Result	DL	VQ
10DD22	L110DD091	691858	92111		2.0	4.0					1.100	2.2	U
10DD22	L110DD092	691858	92111		4.0	6.0					1.100	2.2	U
10DD23	L110DD094	691798	92021		1.0	2.0					1.100	2.2	U
10DD23	L110DD095	691798	92021		2.0	4.0					1.100	2.2	U
10DD23	L110DD096	691798	92021		4.0	6.0					1.100	2.2	U
10DD25	L110DD102	691742	92808		2.0	4.0					0.000		
10DD25	L110DD103	691742	92808		1.0	2.0					1.100	2.2	U
10DD25	L110DD104	691742	92808		2.0	4.0					1.100	2.2	U
10DD25	L110DD105	691742	92808		4.0	6.0					1.100	2.2	U
10DD26	L110DD106	691759	92856		0.0	1.0					0.000		
10DD26	L110DD107	691759	92856		1.0	2.0					0.150	2.2	
10DD26	L110DD108	691759	92856		2.0	4.0					0.100	2.2	
10DD26	L110DD109	691759	92856		4.0	6.0					0.210	2.2	
10DD27	L110DD110	691918	91943		0.0	1.0					0.000		
10DD27	L110DD111	691918	91943		1.0	2.0					1.100	2.2	U
10DD27	L110DD112	691918	91943		2.0	4.0					1.100	2.2	U
10DD27	L110DD113	691918	91943		4.0	6.0					1.100	2.2	U
10DD28	L110DD115	691840	91886		1.0	2.0					1.100	2.2	U
10DD28	L110DD116	691840	91886		2.0	4.0					1.100	2.2	U
10DD28	L110DD117	691840	91886		4.0	6.0					1.100	2.2	U
10DD29	L110DD131	691632	93305		0.0	1.0					0.000		
10DD29	L110DD132	691632	93305		1.0	2.0					1.100	2.2	U
10DD29	L110DD133	691632	93305		2.0	4.0					1.100	2.2	U
10DD29	L110DD134	691632	93305		4.0	6.0					1.100	2.2	U

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	HMX		
											Result	DL	VQ
L1-E46-C001	IAAP137907						EU4	F	46	west wall BC 4 and 5	0.95	0.25	=
L1-E46-C002	IAAP137908					west wall BC 6, 7 and 3				0.17	0.25	J	
L1-E46-C003	IAAP137909					floor BC 1, 9, 2, 3, 7, and 6				0.09	0.25	J	
L1-E46-C004	IAAP137910					south wall BC 2, 3, and 4				0.13	0.25	U	
L1-E46-C005	IAAP137911					floor BC 3, 4, 5, 6, and 7				0.14	0.25	J	
L1-E46-C006	IAAP137912					east wall BC 1, 9, and 2				0.13	0.25	U	
L1-E12-C001	IAAP112282						EU5	B	12	north wall BC 1 and 12	0.66	0.29	=
L1-E12-C004	IAAP112283					east wall BC 1 and 2				0.30	0.27	=	
L1-E12-C005	IAAP112284					south wall BC 2 and 3				0.58	0.29	=	
L1-E12-C006	IAAP112285					west wall BC 8, 9, and 10; 11 and 12				29.00	0.29	=	
L1-E12-C007	IAAP112286					floor of EXC				2.50	0.29	=	
L1-E14-C001	IAAP112292						EU5	D	14	north wall BC 1 and 8	0.36	0.31	U
L1-E14-C002	IAAP112293					east wall BC 1 and 2				0.31	0.32	=	
L1-E14-C004	IAAP112295					west wall BC 7 and 8				0.24	0.32	U	
L1-E14-C005	IAAP112296					floor of EXC				0.32	0.31	=	
L1-E15-C001	IAAP112297						EU5	E North	15	Wall BC 15, 1, & 2	0.64	0.29	=
L1-E15-C004	IAAP112298					Wall BC 2, 3, 4, 5, & 6				0.47	0.28	=	
L1-E15-C007	IAAP112301					Wall BC 9, 10, 11, 12, 13, 14, & 15				0.20	0.28	U	
L1-E15-C009	IAAP112303					Floor BC 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, & 15				0.28	0.3	=	
L1-E15-C012	IAAP113264					Wall BC 6, 7, 8, & 9				0.52	0.29	=	
L1-E15-C005	IAAP112299						EU5	E South	15	Wall BC 1, 2, 3, 4, 5, 6, and 7	0.41	0.29	J
L1-E15-C006	IAAP112300					Wall BC 7, 8, and 9				2.00	0.27	J	
L1-E15-C008	IAAP112302					Wall BC 9, 10, 11, and 12				0.55	0.3	UJ	
L1-E15-C010	IAAP112353					Wall BC 12, 13 and 1				0.15	0.3	UJ	
L1-E15-C017-P4	IAAP132502					Floor BC 1, 2, 3, 4, 5, 11, 12, and 13				0.30	0.25	J	
L1-E15-C021-P4	IAAP132648					Floor BC 5,6, 10 and 11				0.06	0.25	=	
L1-E15-C022-P4	IAAP132649					Floor BC 6, 7, 8, 9, and 10				0.91	0.25	=	
L1-E50-C001	IAAP138923						EU5	F	50	Wall BC 26, 27, 28, 29 and 30	0.43	0.25	U
L1-E50-C002	IAAP138924					Wall BC 17, 18, 19, 20, and 21				0.25	0.25	=	
L1-E50-C003	IAAP138925					Wall BC 21, 22, 23, 24, 25, and 26				0.13	0.25	U	
L1-E50-C004	IAAP138926					Floor BC 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 48, and 49				0.25	0.25	J	
L1-E50-C005	IAAP138927					Wall BC 30, 31, 32, 33, 34, 35, and 36				0.08	0.25	=	
L1-E50-C007	IAAP138929					Wall BC 36, 37, 38, 39, 40, and 41				0.75	0.25	=	
L1-E50-C008	IAAP138930					Wall BC 8, 9, 10, 11, 12, 13, 14, 15, 16, and 17				0.50	0.25	=	
L1-E50-C009	IAAP138931					Floor BC 16, 17, 49, 48, 30, 31, 32, 33, 34, 35, 36, 37, 38, and 50				0.36	0.25	J	
L1-E50-C010	IAAP138932					Floor BC 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 50, 38, 39 40, 41, 46, and 47				0.23	0.25	=	
L1-E50-C011	IAAP139424					Wall BC 41, 42, 43, 44, and 45				0.26	0.25	J	
L1-E50-C012	IAAP139425					Wall BC 41 and 46				0.09	0.25	J	
L1-E50-C013	IAAP139426					Floor BC 41, 42, 43, 44, 45 and 46				0.05	0.25	U	
L1-E50-C016	IAAP139427					Wall BC 1, 2, 3, 4, 5, 6, 7, and 8				0.25	0.25	J	

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	HMX		
											Result	DL	VQ
L1-E17-C002	IAAP112310						EU5	G	17	east wall BC 8, 9, and 10	0.10	0.3	UJ
L1-E17-C011	IAAP131818					north wall BC 1, 2, and 3				0.30	0.25	J	
L1-E17-C009	IAAP131816					floor BC 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15 and 16				0.08	0.25	=	
L1-E17-C010	IAAP131817					floor BC 1, 2, 3, 4, 5, 16, and 17				0.22	0.25	U	
L1-E21-C001	IAAP112331						EU5	K	21	Wall BC 1 and 2	0.13	0.31	U
L1-E21-C002	IAAP112332					Wall BC 2 and 3				0.16	0.31	U	
L1-E21-C004	IAAP112334					Wall BC 1 and 23				0.16	0.3	U	
L1-E21-C005	IAAP112335					Floor BC 1, 2, 3, 24, and 23				0.15	0.35	U	
L1-E21-C010-P4	IAAP131855					Wall BC 4, 5, and 6				0.18	0.25	U	
L1-E21-C011-P4	IAAP131856					Wall BC 19, 20, 21, and 22				0.13	0.25	U	
L1-E21-C012-P4	IAAP131857					Floor BC 3, 4, 5, 6, 7, 8, 9, 18, 19, 20, 21, 22, 23, and 24				0.25	0.25	J	
L1-E1-C014	IAAP132640					Wall BC 9, 10, 11, and 12				0.05	0.25	J	
L1-E1-C015	IAAP132641					Wall BC 13, 14, 15, 16, 17, and 18				0.17	0.25	J	
L1-E21-C017	IAAP133121					Floor BC 9, 10, 11, 12, 13, 14, 15, 16, 17, and 18				0.03	0.25	U	
L1-E21-C020	IAAP133122					Floor BC 25, 26, 27, and 28				0.25	0.25	J	
L1-E21-C021	IAAP133123					Wall BC 26 and 27				0.24	0.25	J	
L1-E21-C022	IAAP133124					Wall BC 25 and 28				0.05	0.25	U	
L1-E21-C023	IAAP133125					Wall BC 27 and 28				0.25	0.25	=	
L1-E21-C024	IAAP133126					Wall BC 25 and 26				0.26	0.25	J	
L1-E55-C001	IAAP144023									EU5	N	55	Wall BC 1 and 13
L1-E55-C004	IAAP144024					Wall BC 7 and 8	1.60	0.25	=				
L1-E55-C005	IAAP144025					Wall BC 6 and 7	0.56	0.25	=				
L1-E55-C006	IAAP144026					Floor BC 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, and 13	0.60	0.25	=				
L1-E55-C007	IAAP144027					Ramp BC 4, 5, 22 and 23	1.50	0.25	=				
L1-E55-C008	IAAP144028					Wall BC 19, 20, and 21 & BC 25 and 26	2.70	0.25	=				
L1-E55-C009	IAAP144029					Wall BC 14, 15, 27 and 28 & BC 1 and 2	0.45	0.25	=				
L1-E55-C010	IAAP144030					Wall BC 15 and 26	3.40	0.25	=				
L1-E55-C011	IAAP144031					Floor BC 14, 15, 26, 25, 16, 24, 17, 20, 21, 19, and 18	4.00	0.25	=				
L1-E56-C001	IAAP143936						EU5	O	56				Wall BC 1, 6, & 5
L1-E56-C002	IAAP143937					Wall BC 2, 3, & 4				0.69	0.25	=	
L1-E56-C003	IAAP143938					Wall BC 4 & 5				0.38	0.25	=	
L1-E56-C004	IAAP143939					Floor BC 1, 2, 3, 4, 5, & 6				0.70	0.25	=	

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	HMX		
											Result	DL	VQ
L1-E57-C001	IAAP144578						EU5	P	57	Wall BC 16 & 17	0.36	0.25	=
L1-E57-C002	IAAP144579					Wall BC 1 & 17				0.42	0.25	J	
L1-E57-C003	IAAP144580					Wall BC 15 & 16				0.21	0.25	=	
L1-E57-C004	IAAP144581					Floor BC 1, 15, 16 & 17				1.40	0.25	=	
L1-E57-C005	IAAP144582					Wall BC 13, 14, & 15				0.70	0.25	=	
L1-E57-C006	IAAP144583					Wall BC 12 & 13				0.35	0.25	=	
L1-E57-C007	IAAP144584					Wall BC 9, 10, 11, & 12				1.10	0.25	J	
L1-E57-C010	IAAP144585					Wall BC 5, 6, 7, 8, & 9				0.16	0.25	J	
L1-E57-C011	IAAP144586					Wall BC 3 & 4				0.19	0.25	=	
L1-E57-C012	IAAP144587					Floor BC 1, 2, 3, 8, 9, 10, 11, 12,13, 14, &15				0.75	0.25	=	
L1-E57-C013-P2	IAAP144941					Floor BC 3, 4, 5, 6, 7, & 8				1.40	0.25	=	
L1-E57-C014	IAAP144589					Wall BC 2 & 3				0.62	0.25	=	
L1-E57-C015	IAAP144590					Wall BC 1 & 2				0.76	0.25	=	

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	HMX		
											Result	DL	VQ
L1-E58-C008	IAAP151730						EU5	Q	58	Wall BC 18, 19, & 20	0.43	0.25	J
L1-E58-C009	IAAP151731									Wall BC 16, 17, & 18	0.25	0.24	J
L1-E58-C010	IAAP151732									Wall BC 6, 7, 8, & 9	0.07	0.23	J
L1-E58-C011	IAAP151733									Wall BC 9, 10, 11, & 12	0.02	0.24	U
L1-E58-C013	IAAP151735									Wall BC 12 & 13	0.12	0.24	U
L1-E58-C014	IAAP151736									Floor BC 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 16, 17, 18, 19, & 20	0.12	0.24	U
L1-E58-C015	IAAP151737									Wall BC 15 & 16	0.12	0.23	U
L1-E58-C016	IAAP151738									Wall BC 13 & 14	0.12	0.23	U
L1-E58-C017	IAAP151739									Wall BC 14 & 15	0.12	0.22	U
L1-E58-C018	IAAP151740									Floor BC 13, 14, 15, & 16	0.11	0.22	U
L1-E58-C022-P2	IAAP165446									Floor 21, 22, 23, 36, 37, 38, 31, 32, 34, & 35	0.11	0.25	UJ
L1-E58-C023-P3	IAAP165496									Wall BC 25 & 26	0.13	0.25	U
L1-E58-C028	IAAP157270									Wall BC 33 & 63	0.25	0.25	J
L1-E58-C029	IAAP157271									Wall BC 32 & 63	0.15	0.24	J
L1-E58-C030-P4	IAAP166001									Floor BC 26, 27, 28, 29, 30, 31, & 38	0.16	0.25	J
L1-E58-C031-P3	IAAP165556									Wall BC 26, 27, & 28	0.10	0.25	J
L1-E58-C032	IAAP157274									Wall BC 61 & 62	0.13	0.24	J
L1-E58-C034	IAAP157278									Wall BC 21 & 22	0.04	0.23	U
L1-E58-C035-P2	IAAP165445									Wall BC 21, 35, & 34	0.12	0.25	UJ
L1-E58-C036	IAAP165451									Wall BC 29, 30, 31, & 32	0.25	0.25	J
L1-E58-C037	IAAP165495									Wall BC 22, 23, 24 & 25	0.47	0.25	U
L1-E58-C038	IAAP165497									Floor BC 23, 24, 25, 26, 37, & 36	0.13	0.25	U
L1-E58-C039	IAAP166000									Wall BC 28 & 29	0.13	0.25	U
L1-E58-C040	IAAP166002									Wall BC 45, 46, 47, & 48	0.25	0.25	=
L1-E58-C043	IAAP166003									Floor BC 40, 41, 42, 43, 44, 45, 46, 47, & 48	0.55	0.25	J
L1-E58-C044	IAAP166004									Wall BC 40, 41, 42, & 43	0.16	0.25	=
L1-E58-C045-P2	IAAP166379									Wall 55, 56, 57, 58, 59 & 60	0.41	0.25	=
L1-E58-C046-P3	IAAP167012									Floor 50, 51, 52, 53, 54, 55, 56, 57, 58, 59 & 60	1.10	0.25	U
L1-E58-C047	IAAP166009									Wall 50, 51, 52, 53, 54, & 55	0.25	0.25	=
L1-E58-C048	IAAP167013									Wall BC 52 & 53	0.15	0.25	U
L1-E58-C049	IAAP167014						Wall BC 55, 56, & 57	0.13	0.25	U			
L1-E58-C001	IAAP150654						EU5	Q North	58	Wall BC 1 & 2	0.13	0.25	U
L1-E58-C002	IAAP150655									Wall BC 3 & 4	0.13	0.25	U
L1-E58-C003	IAAP150657									Floor BC 1, 2, 3, & 4	0.25	0.25	J
L1-E58-C004	IAAP150658									Wall BC 2 & 3	0.05	0.25	U
L1-E58-C005	IAAP150656									Wall BC 1 & 4	0.13	0.25	U

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	HMX		
											Result	DL	VQ
L1-E23-C009	IAAP137935						EU6	A	23	north wall BC7, 8, 9, 10, 11, and 12	0.25	0.25	=
L1-E23-C010-P2	IAAP138635					south wall BC 1, 2, 3, and 4				0.50	0.25	J	
L1-E23-C011	IAAP137937					west wall BC 4, 5, 6, and 7				0.18	0.25	=	
L1-E23-C012	IAAP137938					floor of EXC				0.36	0.25	=	
L1-E47-C001	IAAP138781						EU6	B	47	floor of EXC	0.38	0.25	=
L1-E47-C002	IAAP138782					north wall BC 9, 10, 11, 12, and 1				0.42	0.25	=	
L1-E47-C003	IAAP138783					east wall BC 1, 2, and 3				0.13	0.25	U	
L1-E47-C004	IAAP138784					south wall BC 3, 4, 5, 6, and 7				0.25	0.25	=	
L1-E47-C005	IAAP138785					west wall BC 7, 8, and 9	0.23	0.25	U				
L1-E49-C001	IAAP138902						EU6	C	49	Floor BC 40, 41, 42, and 43	0.13	0.25	U
L1-E49-F001	IAAP138917					Wall BC 42 and 43				0.25	0.25	=	
L1-E49-C002	IAAP139501					Floor BC 36, 37, 38, and 39				0.62	0.25	J	
L1-E49-C003	IAAP139502					Wall BC 36 and 39				0.15	0.25	=	
L1-E49-C004	IAAP139828					Wall BC 31, 32, and 33				0.15	0.25	U	
L1-E49-C005-P2	IAAP140363					Wall BC 20, 22, 23, 24, 25, 26, 27, 30, and 31				0.25	0.25	=	
L1-E49-C006	IAAP139830					Wall BC 1, 2, 3, 4, 5, 6, 7, and 8				0.15	0.25	U	
L1-E49-C009	IAAP139831					Floor BC 1, 2, 3, 4, 5, 6, 7, 8, 29, 28, 27, 30, 31, 32, 33, 34, and 35				0.25	0.25	J	
L1-E49-C010-P2	IAAP140362					Floor BC 8, 9, 10, 11, 12, 21, 20, 22, 23, 24, 25, 26, 27, 28, and 29				0.07	0.25	J	
L1-E49-C011	IAAP139833					Wall BC 8, 9, 10, 11, and 12				0.19	0.25	=	
L1-E49-C012	IAAP139991					Wall BC 18, 19, and 20				1.30	0.25	=	
L1-E49-C013	IAAP139992					Wall BC 12, 13, 14, and 15				0.14	0.25	U	
L1-E49-C014	IAAP139993					Wall BC 15, 16, 17, and 18				0.25	0.25	J	
L1-E49-C015	IAAP139994					Floor BC 12, 13, 14, 15, 16, 17, 18, 19, 20, and 21				0.22	0.25	J	
L1-E51-C001	IAAP139117									EU6	D	51	Wall BC 1, 2, 3, and 4
L1-E51-C004	IAAP139118					Wall BC 4, 5, 6, and 7	0.13	0.25	U				
L1-E51-C005	IAAP139119					Wall BC 7, 8, and 9	0.13	0.25	U				
L1-E51-C006	IAAP139120					Wall BC 9, 10, and 1	0.13	0.25	U				
L1-E51-C007	IAAP139121					Floor BC 1, 2, 3, 4, 5, 6, 7, 8, 9, and 10	0.13	0.25	U				

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	HMX		
											Result	DL	VQ
L1-E24/25-C001	IAAP132628						EU7	A & B	24 & 25	Floor BC 20, 21, 22 & 23	0.25	0.25	=
L1-E24/25-C002	IAAP132629					Floor BC 13, 14, 15, 16, 17, 18, 19, 20, 23, & 24				0.32	0.25	=	
L1-E24/25-C003	IAAP132630					Floor BC 24, 26, 27, 28, 29, & 25				0.15	0.25	U	
L1-E24/25-C004	IAAP132631					Floor BC 11, 12, 13, 24, 25, & 29				0.13	0.25	U	
L1-E24/25-C005	IAAP132632					Floor BC 30, 53, 54, & 31				0.13	0.25	U	
L1-E24/25-C006	IAAP132633					Floor BC 8, 9, 10, 11, 29, 30, 31, & 32				0.25	0.25	J	
L1-E24/25-C009-P2	IAAP133094					Wall BC 17, 18, 19, & 20				0.05	0.25	J	
L1-E24/25-C010	IAAP132635					Wall BC 8, 9, 10, 11, 12, 13, 14, 15, 16, & 17				0.09	0.25	J	
L1-E24/25-C011	IAAP132636					Floor BC 1, 2, 3, 4, 5, 6, 44, 36, 37, 38, 39, 40, 41, 42, & 43				0.20	0.25	J	
L1-E24/25-C012	IAAP131881					Floor BC 6, 7, 8, 32, 33, 34, 46, 45, 36, & 44				0.06	0.25	J	
L1-E24/25-C013	IAAP131882					Wall BC 40, 41, 42, 43, & 1				0.24	0.25	J	
L1-E24/25-C014	IAAP131883					Wall BC 32 & 33				0.13	0.25	=	
L1-E24/25-C015	IAAP131884					Wall BC 2, 3, 4, 5, 6, 7, & 8				0.74	0.25	=	
L1-E24/25-C016-P2	IAAP133095					Wall BC 36, 37, 38, 39, & 40				0.30	0.25	J	
L1-E24/25-C017-P2	IAAP133096					Wall BC 33 & 34				0.05	0.25	U	
L1-E24/25-C018	IAAP140465					Wall BC 45, 36, 35, 52, & 51				0.25	0.25	=	
L1-E24/25-C021	IAAP140466					Wall BC 48 & 49				0.27	0.25	J	
L1-E24/25-C022	IAAP140467					Wall BC 46, 34, 47, & 48				0.10	0.25	J	
L1-E24/25-C023	IAAP140468					Wall BC 49, 50, & 51				0.04	0.25	U	
L1-E24/25-C024	IAAP140469					Floor BC 35, 34, 47, 48, 49, 50, 51, & 52				0.25	0.25	J	
L1-E24/25-C025-P2	IAAP141196					Floor BC 34, 35, 45, & 46				0.07	0.25	J	

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	HMX				
											Result	DL	VQ		
L1-E24/25-CO26	IAAP151199						EU7	A & B North	24 & 25	Wall BC 24 & 25	0.06	0.23	=		
L1-E24/25-CO27	IAAP151200											Wall BC 22, 23, & 24	0.54	0.24	=
L1-E24/25-CO28	IAAP151201											Wall BC 25, 26, 27, & 28	0.29	0.25	J
L1-E24/25-CO29	IAAP151202											Floor BC 22, 23 24, 25, 26, 27, & 28	0.06	0.25	=
L1-E24/25-C031	IAAP151488											Floor BC 3, 4, 5, 10, 11 12 13, 14, & 15	0.48	0.25	J
L1-E24/25-C032	IAAP151489											Wall BC 4 & 5	0.13	0.23	J
L1-E24/25-C033	IAAP151490											Wall BC 20 & 21	0.08	0.24	U
L1-E24/25-C034	IAAP151491											Wall BC 19 & 20	0.24	0.25	J
L1-E24/25-C036	IAAP151493											Wall BC 17 & 18	0.21	0.25	J
L1-E24/25-C037	IAAP151494											Wall BC 3 & 4	0.09	0.24	=
L1-E24/25-C040	IAAP151495											Ramp BC 1, 2, 3, 15, & 16	0.44	0.25	J
L1-E24/25-C041	IAAP151496											Wall BC 2 & 3	0.10	0.25	J
L1-E24/25-C043	IAAP151498											Wall BC 12, 13, 14, & 15	0.11	0.24	J
L1-E24/25-C044	IAAP151499											Wall BC 11 & 12	0.07	0.25	U
L1-E24/25-C030-P2	IAAP151698											Floor BC 17, 18, 19, 20, & 21	0.25	0.25	=
L1-E24/25-C035-P2	IAAP151697											Wall BC 18 & 19	0.13	0.25	U
L1-E24/25-C042-P2	IAAP151699											Wall BC 1, 16 & 15	0.25	0.24	=
L1-E24/25-C045	IAAP151700											Wall BC 8, 9, 10, & 11	0.26	0.24	U
L1-E24/25-C046	IAAP151701											Ramp BC 5, 6, 7, 8, 9, & 10	0.24	0.24	=
L1-E24/25-C049	IAAP151702											Wall BC 5 & 6	0.18	0.25	U
L1-E24/25-C050	IAAP151703								Wall BC 6 & 7	0.13	0.25	U			
L1-E26-C001	IAAP112372						EU7	C	26	north wall BC 1 and 4	0.13	0.32	UJ		
L1-E26-C002	IAAP112373											east wall BC 1 and 2	0.16	0.33	UJ
L1-E26-C003	IAAP112374											south wall BC 2 and 3	0.17	0.31	UJ
L1-E26-C004	IAAP112375											west wall BC 3 and 4	0.16	0.32	UJ
L1-E26-C005	IAAP112376											floor of EXC	0.16	0.34	UJ
L1-E27-C001-P3	IAAP138933						EU7	D	27	Wall BC 18 and 19	0.34	0.25	J		
L1-E27-C003-P4	IAAP139431											Wall BC 5, 21, and 11 & Wall BC 6, 7, and 8	0.17	0.25	U
L1-E27-C004-P3	IAAP138936											Wall BC 8, 9, 10, 11 and 12 & BC 13 and 14 & BC 17 and 18	0.08	0.25	=
L1-E27-C005-P3	IAAP138937											Floor BC 11, 12, 13, 14, 15, 16, 17, 18, 19, and 21	0.25	0.25	J
L1-E27-C009	IAAP138935											Wall BC 19 and 21	0.70	0.25	U
L1-E27-C010-P2	IAAP139428											Wall BC 2, 3, 4, 5, and 6	0.09	0.25	U
L1-E27-C011-P2	IAAP139429											Floor BC 3, 4, 5, 21, and 19	0.25	0.25	J
L1-E27-C012	IAAP139430											Ramp BC 1, 2, 3, 19, and 20	0.25	0.25	J
L1-E27-C013	IAAP139432											Floor BC 5, 6, 7, 8, 10, 11, and 21	0.08	0.25	U
L1-E27-C014	IAAP139433											Wall BC 14, 15, 16, and 17	0.09	0.25	=
L1-E27-C015	IAAP139434											Wall BC 12 and 13	0.13	0.25	U
L1-E27-C016	IAAP140304								Boreholes west of steam line	0.16	0.25	U			

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	HMX		
											Result	DL	VQ
L1-E53-C001	IAAP139789						EU7	E	53	Wall BC 37, 38, 39, 40, 41, & 42	0.25	0.25	J
L1-E53-C002	IAAP139825									Wall BC 42 & 43	0.13	0.25	U
L1-E53-C003	IAAP139826									Wall BC 37, 53, 52, & 51	0.16	0.25	J
L1-E53-C004	IAAP139827									Floor BC 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, & 53	0.25	0.25	=
L1-E53-C005-P2	IAAP146016									Wall BC 2 & 3	0.20	0.25	J
L1-E53-C006	IAAP144924									Wall BC 3 & 4	2.30	0.25	J
L1-E53-C007	IAAP144925									Wall BC 4, 5, & 6	0.19	0.25	=
L1-E53-C008-P2	IAAP146017									Wall BC 6 & 7	0.06	0.25	=
L1-E53-C009-P2	IAAP146018									Wall BC 7, 8, & 9	1.30	0.25	=
L1-E53-C010	IAAP144928									Wall BC 9 & 10	3.20	0.25	=
L1-E53-C011	IAAP144929									Wall BC 10 & 11	0.78	0.25	=
L1-E53-C012	IAAP144930									Wall BC 11 & 12	7.30	0.25	=
L1-E53-C013	IAAP144931									Wall BC 13 & 14	2.00	0.25	=
L1-E53-C014	IAAP144932									Wall BC 14 & 15	5.10	0.25	=
L1-E53-C015	IAAP144933									Wall BC 17 & 18	19.00	0.25	=
L1-E53-C016	IAAP144934									Wall BC 18, 19, 20, & 21	1.80	0.25	=
L1-E53-C017	IAAP144935									Wall BC 21 & 22	1.90	0.25	=
L1-E53-C018-P2	IAAP146019									Wall BC 29, 30, 1, 2, 50 & 51	0.44	0.25	=
L1-E53-C019-P2	IAAP146020									Floor BC 16, 17, 18, 19, 20, & 36	1.50	0.25	=
L1-E53-C020	IAAP144938									Floor BC 9, 10, 11, 12, 13, 14, & 15	17.00	0.25	=
L1-E53-C023-P2	IAAP146021						Floor BC 1, 6, 7, 8, 9, 16, 36, 20, 21, 22, 29, & 30	1.40	0.25	=			
L1-E53-C024	IAAP144940						Floor BC 1, 2, 3, 4, 5, & 6	0.31	0.25	=			
L1-E53-C025	IAAP145144						Ramp BC 22, 23, 24, 25, 26, 27, 28, & 29	0.62	0.25	J			
L1-E53-C026	IAAP145145						Wall BC 22, 23, 24,& 25	0.72	0.25	=			
L1-E53-C027	IAAP145146						Wall BC 26, 27, 28, & 29	0.19	0.25	=			
L1-E53-C028-P2	IAAP146023						Wall BC 31 & 35	0.36	0.25	J			
L1-E53-C029-P2	IAAP146025						Wall BC 34 & 35	0.69	0.25	J			
L1-E53-C030-P2	IAAP146022						Floor BC 31, 32, 33, 34, & 35	0.08	0.25	J			
L1-E53-C031	IAAP146024						Wall BC 31, 32, & 33	0.06	0.25	J			
L1-E32-C005-P2	IAAP150228						EU9	B	32	Wall BC 5 & 6	0.18	0.25	J
L1-E32-C007-P2	IAAP150232									Floor BC 4, 5, 6, 7, 8,30, 31, & 23	0.11	0.25	=
L1-E32-C0011	IAAP150225									Floor BC 13, 14, 15, 16, 17, & 18	0.24	0.25	=
L1-E32-C0012	IAAP150226									Wall BC 16 & 17	2.30	0.25	=
L1-E32-C001-P3	IAAP150647									Ramp BC 1, 2, 3, 4, 23, 24, 25, 26, 27, 28, & 29	0.27	0.25	=
L1-E32-C006-P3	IAAP150651									Wall BC 22, 31, 23, 24, & 25	0.67	0.25	=
L1-E32-C008-P2	IAAP150650									Floor BC 8, 9, 10, 32, 11, 12, 13 18, 19, 20, 21, 22, 31, & 30	0.46	0.25	=
L1-E32-C013-P2	IAAP150653									Wall BC 32, 11, 12, 13, 14, 15, & 16	1.00	0.25	J
L1-E32-C014	IAAP150648									Wall BC 1, 2, 3, & 4	10.00	0.25	J
L1-E32-C015	IAAP150649									Wall BC 4 & 5	0.20	0.25	J
L1-E32-C016	IAAP150652						Wall BC 18, 19, 20, 21, & 22	0.17	0.25	=			

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	HMX		
											Result	DL	VQ
L1-E33-C006	IAAP150233						EU9B	C	33	Wall BC 10, 11, & 12	0.06	0.25	U
L1-E33-C007	IAAP150234					Wall BC 8, 9, & 10				0.60	0.25	U	
L1-E33-C008	IAAP150235					Floor BC 9, 10, 11, 12, 13, 14, 15, 30, 16, 17, 18, & 22				0.13	0.25	U	
L1-E33-C009	IAAP150236					Floor BC 7, 8, 9, 22, 18, 19, 20, & 21				0.13	0.25	U	
L1-E33-C010	IAAP150237					Wall BC 30, 16, 17, & 18				0.25	0.25	J	
L1-E32-C011-P2	IAAP150667					Wall BC 18, 19, 20, 26, 27, & 4				0.25	0.25	=	
L1-E32-C012	IAAP150659					Floor BC 1, 2, 3, 4, 29, 5, & 6				0.21	0.25	=	
L1-E32-C013	IAAP150660					Wall BC 1, 6, 5, & 29				0.30	0.25	J	
L1-E32-C015	IAAP150662					Wall BC 4 & 29				0.25	0.25	J	
L1-E32-C016	IAAP150663					Wall BC 3 & 23				0.10	0.25	=	
L1-E32-C017	IAAP150664					Wall 24, 25, & 26				0.02	0.25	U	
L1-E32-C018	IAAP150665					Wall 3, 28, & 27				0.26	0.25	J	
L1-E32-C019	IAAP150666					Floor BC 3, 23, 24, 25, 26, 27, & 28				0.13	0.25	U	
L1-E33-C020-P2	IAAP151144					Wall BC 8, 7, 24 & 23				0.03	0.25	U	
L1-E33-C023	IAAP151197					Wall BC 2 & 3				0.13	0.24	U	
L1-E33-C024	IAAP151198					Wall BC 1 & 2				0.13	0.24	U	
L1-E52-C001	IAAP139785						EU9B	D	52	East Wall BC 6, 7, & 8	0.24	0.25	J
L1-E52-C002	IAAP139786					South Wall BC 8, 9, 10, 11, 12, 13, & 14				0.24	0.25	J	
L1-E52-C003	IAAP139787					West Wall BC 14, 15, 16, 17, & 18				0.07	0.25	J	
L1-E52-C004	IAAP139788					Floor BC 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, & 22				0.04	0.25	=	
L1-E59-C001	IAAP146026						EU9B	E	59	Floor BC 1, 2, 3, 4, 5, 6, 7, 8, 9, & 10	0.07	0.25	U
L1-E59-C004	IAAP146027					Wall BC 7, 8, & 9				0.36	0.25	J	
L1-E59-C005-P2	IAAP146245					Wall BC 6 & 7				0.25	0.25	J	
L1-E59-C006	IAAP146029					Wall BC 5 & 6				0.04	0.25	U	
L1-E59-C007	IAAP146030					Wall BC 10, 1, 2, 3, 4, & 5				0.05	0.25	J	
L1-E36-C001	IAAP112472						EU9D	A	36	NE wall BC 1 and 8	0.13	0.3	U
L1-E36-C002	IAAP112473					SE wall BC 1 and 2; 3, 5, and 6				0.02	0.33	U	
L1-E36-C003	IAAP112474					SW wall BC 2 and 3; 6a and 7				0.15	0.29	U	
L1-E36-C004	IAAP112475					NW wall BC 7 and 8				0.17	0.29	U	
L1-E36-C005	IAAP112476					floor of EXC				0.15	0.29	U	
L1-E37-C001	IAAP112477						EU9D	B	37	NE wall BC 4, 5, 6, and 1	0.15	0.3	U
L1-E37-C002	IAAP112478					SE wall BC 1 and 2				0.15	0.31	U	
L1-E37-C003	IAAP112479					SW wall BC 2 and 3				0.15	0.3	U	
L1-E37-C004	IAAP112480					NW wall BC 3 and 4				0.16	0.29	U	
L1-E37-C005	IAAP112481					floor of EXC				0.15	0.31	U	

Notes:

Field duplicates removed.

Maximums of dilution and parent results used.

VQ symbols indicate: “=” positive identification, positive quantitation, no reason to estimate, “U” non-detect, no reason to estimate, “J” positive identification, estimated quantitation, “UJ” analyte was not detected and had QC deficiencies.

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	RDX		
											Result	DL	VQ
IAAP100010	IAAP100010	691780.86	93099.7	03/28/07	0	0.5					0.14	0.27	U
IAAP100011	IAAP100011	691787.31	93095.73	03/28/07	0	0.5					0.16	0.32	U
IAAP100012	IAAP100012	691778.68	93098.89	03/29/07	0	0.5					0.18	0.35	U
IAAP100013	IAAP100013	691779.96	93101.82	03/29/07	0	0.5					0.14	0.27	U
IAAP100031	IAAP100031	691727.31	93292.52	03/29/07	0	0.5					0.15	0.3	U
IAAP100034	IAAP100034	691728.18	93296.62	03/29/07	0	0.5					0.11	0.31	J
IAAP100035	IAAP100035	692005.58	92968.44	03/23/07	0	0.5					0.17	0.33	U
IAAP100037	IAAP100037	692014.14	92937.77	03/23/07	0	0.5					0.15	0.3	U
IAAP100038	IAAP100038	692031.34	92874.43	03/23/07	0	0.5					0.19	0.37	U
IAAP100039	IAAP100039	692024.18	92862.93	03/23/07	0	0.5					0.17	0.34	U
IAAP100040	IAAP100040	692000.86	92882.82	03/23/07	0	0.5					0.16	0.32	U
IAAP100041	IAAP100041	691961.46	92932.89	03/23/07	0	0.5					0.15	0.29	U
IAAP100042	IAAP100042	691968.62	92956.24	03/23/07	0	0.5					0.16	0.31	U
IAAP100077	IAAP100077	691941.41	92682.71	04/15/07	0	0.5					0.17	0.33	UJ
IAAP100080	IAAP100080	691883.53	92828.33	04/16/07	0	0.5					0.16	0.32	UJ
IAAP100081	IAAP100081	691880.11	92824.77	04/16/07	0	0.5					0.15	0.3	U
IAAP100082	IAAP100082	691846	92975.9	04/12/07	0	0.5					0.16	0.31	UJ
IAAP100083	IAAP100083	691833.02	92985.13	04/12/07	0	0.5					1.20	0.34	J
IAAP100084	IAAP100084	691817.45	92952.64	04/12/07	0	0.5					0.17	0.33	U
IAAP100085	IAAP100085	691825.93	92962.89	04/12/07	0	0.5					0.19	0.38	U
IAAP100086	IAAP100086	691816.47	92969.84	04/12/07	0	0.5					0.17	0.34	U
IAAP100089	IAAP100089	691777.81	92877.46	04/12/07	0	0.5					0.19	0.38	U
IAAP100090	IAAP100090	691736.11	92729.43	04/12/07	0	0.5					0.18	0.36	U
IAAP100091	IAAP100091	691735.21	92735.25	04/12/07	0	0.5					0.18	0.36	U
IAAP100092	IAAP100092	691738.56	92729.19	04/12/07	0	0.5					0.17	0.34	U
IAAP100093	IAAP100093	691685.73	92756.51	04/12/07	0	0.5					0.89	0.41	=
IAAP100094	IAAP100094	691692.38	92751.73	04/12/07	0	0.5					0.17	0.33	U
IAAP100097	IAAP100097	692027.57	92531.96	04/15/07	0	0.5					0.17	0.34	U
IAAP103929	IAAP103929	691846	92975.9	05/30/07	0	0.5					0.15	0.3	U
IAAP103933	IAAP103933	691894.16	92815.81	06/05/07	0	0.5					0.15	0.29	U
IAAP103934	IAAP103934	691888.07	92827.71	06/05/07	0	0.5					0.17	0.33	U
IAAP103935	IAAP103935	691882.21	92826.3	06/05/07	0	0.5					0.16	0.31	U
IAAP103937	IAAP103937	691786	92883	05/30/07	0	0.5					0.69	0.34	=
IAAP103945	IAAP103945	691737.12	92730.82	06/05/07	0	0.5					0.16	0.31	UJ
IAAP103946	IAAP103946	691713.63	92731.28	06/05/07	0	0.5					0.15	0.3	UJ
IAAP103947	IAAP103947	691671.41	92853.69	05/30/07	0	0.5					0.17	0.33	U
IAAP103955	IAAP103955	691976	92478	06/05/07	1	2					0.16	0.32	UJ
IAAP103955	IAAP103956	691976	92478	06/05/07	2	4					0.16	0.32	UJ
IAAP103960	IAAP103960	692036.54	92387.64	06/05/07	0	0.5					0.17	0.33	U
IAAP103961	IAAP103961	692032.45	92380.16	06/05/07	0	0.5					0.17	0.34	U
IAAP103962	IAAP103962	692031.92	92387.59	05/31/07	0	0.5					0.16	0.32	U
IAAP103966	IAAP103966	692011.9	92389.25	05/31/07	0	0.5					0.16	0.31	U

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	RDX		
											Result	DL	VQ
IAAP103985	IAAP103985	691740.96	92254.55	06/05/07	0	0.5					0.16	0.32	UJ
IAAP103986	IAAP103986	691694.87	92264.54	06/05/07	0	0.5					0.16	0.32	UJ
IAAP100042	IAAP103994	691968.62	92956.24	06/05/07	2	3					0.15	0.29	U
IAAP100041	IAAP103995	691961.46	92932.89	06/05/07	1	2					0.15	0.3	U
IAAP100035	IAAP103996	692005.58	92968.44	06/05/07	1	2					0.15	0.29	U
IAAP105943	IAAP105943	691813	92938	10/16/07	2	4					0.16	0.32	UJ
IAAP105943	IAAP105944	691813	92938	10/16/07	4	6					0.16	0.32	UJ
IAAP105960	IAAP105960	691945.85	92684.41	10/16/07	2	4					0.16	0.31	U
IAAP105962	IAAP105962	691936.3	92683.35	10/16/07	2	4					0.14	0.28	U
IAAP105964	IAAP105964	692019.34	92419.21	10/16/07	1	2					0.15	0.3	U
IAAP96927	IAAP111632	691998.35	92979.48	09/23/08	0	0.5					0.17	0.33	U
IAAP111640	IAAP111640	691877.22	93004.64	09/24/08	0	0.5					0.13	0.26	U
IAAP111641	IAAP111641	691884.21	92997.58	09/24/08	0	0.5					0.14	0.28	U
IAAP111642	IAAP111642	691886.13	92986.85	09/24/08	0	0.5					0.14	0.27	U
IAAP103924	IAAP111643	691875.87	92999.03	09/24/08	1	2					0.16	0.31	U
IAAP111646	IAAP111646	691813.97	92960.93	09/24/08	0	2					0.16	0.31	U
IAAP111646	IAAP111647	691813.97	92960.93	09/24/08	2	4					0.17	0.33	U
IAAP111646	IAAP111648	691813.97	92960.93	09/24/08	4	6					0.67	0.32	=
IAAP100084	IAAP111649	691817.45	92952.64	09/24/08	0.5	2					0.16	0.32	U
IAAP100084	IAAP111650	691817.45	92952.64	09/24/08	2	4					0.16	0.32	U
IAAP100084	IAAP111651	691817.45	92952.64	09/24/08	4	6					0.16	0.32	U
IAAP111652	IAAP111652	691848.62	92980.16	09/24/08	0	1					0.15	0.3	U
IAAP111652	IAAP111653	691848.62	92980.16	09/24/08	1	2					0.16	0.31	U
IAAP111655	IAAP111655	691895.09	92825.42	09/25/08	0	0.5					0.16	0.32	U
IAAP111663	IAAP111663	691685.3	92748	09/23/08	0	0.5					0.18	0.35	U
IAAP111666	IAAP111666	691678.31	92547.43	09/23/08	0	1					0.17	0.33	U
IAAP111666	IAAP111667	691678.31	92547.43	09/23/08	1	2					0.17	0.33	U
IAAP111666	IAAP111668	691678.31	92547.43	09/23/08	2	4					0.16	0.32	U
IAAP111670	IAAP111670	691927.99	92676.85	09/23/08	0	2					0.16	0.31	U
IAAP111670	IAAP111671	691927.99	92676.85	09/23/08	2	4					0.15	0.29	U
IAAP111672	IAAP111672	691939.08	92675.99	09/23/08	0	2					0.16	0.31	U
IAAP111672	IAAP111673	691939.08	92675.99	09/23/08	2	4					0.16	0.31	U
IAAP111679	IAAP111679	692014	92397	09/23/08	0	1					0.17	0.34	U
IAAP111679	IAAP111680	692014	92397	09/23/08	1	2					0.17	0.33	U
IAAP111681	IAAP111681	692018.19	92383.4	09/23/08	0	1					0.17	0.33	U
IAAP111681	IAAP111682	692018.19	92383.4	09/23/08	1	2					0.17	0.33	U
IAAP111721	IAAP111721	691752.34	92256.02	09/22/08	0	0.5					0.15	0.3	U
IAAP111722	IAAP111722	691750.74	92261.62	09/22/08	0	0.5					0.15	0.3	U
IAAP130287	IAAP130287	691817.89	92964.9	09/07/10	9.9	10.4					0.13	0.25	U
IAAP130287	IAAP130288	691817.89	92964.9	09/07/10	11	12					0.13	0.25	U

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	RDX		
											Result	DL	VQ
IAAP130287	IAAP130289	691817.89	92964.9	09/07/10	12	13					0.13	0.25	U
IAAP97020	IAAP130333	691695	92744	09/09/10	1	2					0.13	0.25	U
IAAP97020	IAAP130334	691695	92744	09/09/10	2	3					0.13	0.25	U
IAAP97020	IAAP130335	691695	92744	09/09/10	3	4					0.13	0.25	U
IAAP97020	IAAP130336	691695	92744	09/09/10	4	5					0.13	0.25	U
IAAP97020	IAAP130337	691695	92744	09/09/10	5	6					0.13	0.25	U
IAAP97020	IAAP130338	691695	92744	09/09/10	6	7					0.13	0.25	U
IAAP97020	IAAP130339	691695	92744	09/09/10	7	8					0.13	0.25	U
IAAP97020	IAAP130340	691695	92744	09/09/10	8	9					0.13	0.25	U
IAAP130342	IAAP130342	691691	92737	09/09/10	0	1					0.13	0.25	U
IAAP130342	IAAP130343	691691	92737	09/09/10	1	2					0.13	0.25	U
IAAP130342	IAAP130344	691691	92737	09/09/10	2	3					0.13	0.25	U
IAAP130342	IAAP130345	691691	92737	09/09/10	3	4					0.13	0.25	U
IAAP130342	IAAP130346	691691	92737	09/09/10	4	5					0.13	0.25	U
IAAP130342	IAAP130347	691691	92737	09/09/10	5	6					0.13	0.25	U
IAAP130342	IAAP130348	691691	92737	09/09/10	6	7					0.13	0.25	U
IAAP130342	IAAP130349	691691	92737	09/09/10	7	8					0.13	0.25	U
IAAP130342	IAAP130350	691691	92737	09/09/10	8	9					0.13	0.25	U
IAAP130342	IAAP130351	691691	92737	09/09/10	9	10					0.13	0.25	U
IAAP97029	IAAP130367	691930	92683	09/08/10	1	2					0.13	0.25	U
IAAP97029	IAAP130368	691930	92683	09/08/10	2	3					0.13	0.25	U
IAAP97029	IAAP130369	691930	92683	09/08/10	3	4					0.13	0.25	U
IAAP97029	IAAP130370	691930	92683	09/08/10	4	5					0.13	0.25	U
IAAP97029	IAAP130371	691930	92683	09/08/10	5	6					0.13	0.25	U
IAAP97029	IAAP130372	691930	92683	09/08/10	6	7					0.13	0.25	U
IAAP97029	IAAP130373	691930	92683	09/08/10	7	8					0.13	0.25	U
IAAP111670	IAAP130374	691927.99	92676.85	09/14/10	4	5					0.13	0.25	UJ
IAAP111670	IAAP130375	691927.99	92676.85	09/14/10	5	6					0.13	0.25	U
IAAP111670	IAAP130376	691927.99	92676.85	09/14/10	6	7					0.13	0.25	U
IAAP111670	IAAP130377	691927.99	92676.85	09/14/10	7	8					0.13	0.25	U
IAAP105964	IAAP130414	692019.34	92419.21	09/09/10	0	1					0.09	0.25	J
IAAP105964	IAAP130415	692019.34	92419.21	09/09/10	2	3					0.13	0.25	U
IAAP105964	IAAP130416	692019.34	92419.21	09/09/10	3	4					0.13	0.25	U
IAAP105964	IAAP130417	692019.34	92419.21	09/09/10	4	5					0.13	0.25	U
IAAP105964	IAAP130418	692019.34	92419.21	09/09/10	5	6					0.13	0.25	U
IAAP105964	IAAP130419	692019.34	92419.21	09/09/10	6	7					0.13	0.25	U
IAAP105964	IAAP130420	692019.34	92419.21	09/09/10	7	8					0.13	0.25	U
IAAP105964	IAAP130421	692019.34	92419.21	09/09/10	8	9					0.13	0.25	U
IAAP130422	IAAP130430	692016.33	92408.51	09/13/10	8	9					0.13	0.25	UJ
IAAP99934	IAAP130431	692030.09	92396.58	09/08/10	2	3					0.13	0.25	U

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	RDX		
											Result	DL	VQ
IAAP99934	IAAP130432	692030.09	92396.58	09/08/10	3	4					0.13	0.25	U
IAAP99934	IAAP130433	692030.09	92396.58	09/08/10	4	5					0.13	0.25	U
IAAP99934	IAAP130434	692030.09	92396.58	09/08/10	5	6					0.13	0.25	U
IAAP99934	IAAP130435	692030.09	92396.58	09/08/10	6	7					0.13	0.25	U
IAAP130436	IAAP130436	692033.78	92397.78	09/08/10	0	1					0.13	0.25	U
IAAP130436	IAAP130437	692033.78	92397.78	09/08/10	1	2					0.13	0.25	U
IAAP130436	IAAP130438	692033.78	92397.78	09/08/10	2	3					0.13	0.25	U
IAAP130436	IAAP130439	692033.78	92397.78	09/08/10	3	4					0.13	0.25	U
IAAP130436	IAAP130440	692033.78	92397.78	09/08/10	4	5					0.13	0.25	U
IAAP130436	IAAP130441	692033.78	92397.78	09/08/10	5	6					0.13	0.25	U
IAAP130436	IAAP130442	692033.78	92397.78	09/08/10	6	7					0.13	0.25	U
IAAP130461	IAAP130461	692011.4	92416.21	09/13/10	0	1					0.70	0.25	J
IAAP130461	IAAP130462	692011.4	92416.21	09/13/10	1	2					0.13	0.25	UJ
IAAP130461	IAAP130463	692011.4	92416.21	09/13/10	2	3					0.13	0.25	UJ
IAAP130461	IAAP130464	692011.4	92416.21	09/13/10	3	4					0.13	0.25	UJ
IAAP130461	IAAP130465	692011.4	92416.21	09/13/10	4	5					0.13	0.25	UJ
IAAP130461	IAAP130466	692011.4	92416.21	09/13/10	5	6					0.13	0.25	UJ
IAAP130461	IAAP130467	692011.4	92416.21	09/13/10	6	7					0.13	0.25	UJ
IAAP130461	IAAP130468	692011.4	92416.21	09/13/10	7	8					0.13	0.25	UJ
IAAP130461	IAAP130469	692011.4	92416.21	09/13/10	8	9					0.12	0.25	J
IAAP132548	IAAP132548	691985.39	92461.61	12/07/10	0	1					0.14	0.25	J
IAAP132548	IAAP132549	691985.39	92461.61	12/07/10	1	2					0.13	0.25	J
IAAP132548	IAAP132550	691985.39	92461.61	12/07/10	2	3					0.09	0.25	J
IAAP132548	IAAP132551	691985.39	92461.61	12/07/10	3	4					1.00	0.25	=
IAAP132548	IAAP132552	691985.39	92461.61	12/07/10	4	5					0.96	0.25	=
IAAP132548	IAAP132553	691985.39	92461.61	12/07/10	5	6					0.99	0.25	=
IAAP132554	IAAP132554	692017.39	92419.47	12/08/10	0	1					0.11	0.25	J
IAAP132554	IAAP132555	692017.39	92419.47	12/08/10	1	2					0.13	0.25	U
IAAP132554	IAAP132556	692017.39	92419.47	12/08/10	2	3					0.13	0.25	U
IAAP132554	IAAP132557	692017.39	92419.47	12/08/10	3	4					0.13	0.25	U
IAAP132554	IAAP132558	692017.39	92419.47	12/08/10	4	5					0.13	0.25	U
IAAP132554	IAAP132559	692017.39	92419.47	12/08/10	5	6					0.13	0.25	U
IAAP132560	IAAP132560	692009.98	92408.8	12/07/10	0	1					0.11	0.25	J
IAAP132560	IAAP132561	692009.98	92408.8	12/07/10	1	2					0.09	0.25	J
IAAP132560	IAAP132562	692009.98	92408.8	12/07/10	2	3					0.08	0.25	J
IAAP132560	IAAP132563	692009.98	92408.8	12/07/10	3	4					0.08	0.25	J
IAAP132560	IAAP132564	692009.98	92408.8	12/07/10	4	5					0.13	0.25	U
IAAP132560	IAAP132565	692009.98	92408.8	12/07/10	5	6					0.13	0.25	U
IAAP132566	IAAP132566	692020.12	92377.24	12/07/10	0	1					0.13	0.25	U
IAAP132566	IAAP132567	692020.12	92377.24	12/07/10	1	2					0.13	0.25	U

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	RDX		
											Result	DL	VQ
IAAP132566	IAAP132568	692020.12	92377.24	12/07/10	2	3					0.13	0.25	U
IAAP132566	IAAP132569	692020.12	92377.24	12/07/10	3	4					0.13	0.25	U
IAAP132566	IAAP132570	692020.12	92377.24	12/07/10	4	5					0.13	0.25	U
IAAP132566	IAAP132571	692020.12	92377.24	12/07/10	5	6					0.13	0.25	U
IAAP132584	IAAP132584	691993.3	92446.6	12/07/10	0	1					0.13	0.25	U
IAAP132584	IAAP132585	691993.3	92446.6	12/07/10	1	2					0.13	0.25	U
IAAP132584	IAAP132586	691993.3	92446.6	12/07/10	2	3					0.13	0.25	U
IAAP132584	IAAP132587	691993.3	92446.6	12/07/10	3	4					0.13	0.25	U
IAAP132584	IAAP132588	691993.3	92446.6	12/07/10	4	5					0.13	0.25	U
IAAP132584	IAAP132589	691993.3	92446.6	12/07/10	5	6					0.12	0.25	J
IAAP132590	IAAP132590	692004.8	92423.59	12/07/10	0	1					0.13	0.25	U
IAAP132590	IAAP132591	692004.8	92423.59	12/07/10	1	2					0.13	0.25	U
IAAP132590	IAAP132592	692004.8	92423.59	12/07/10	2	3					0.13	0.25	U
IAAP132590	IAAP132593	692004.8	92423.59	12/07/10	3	4					0.13	0.25	U
IAAP132590	IAAP132594	692004.8	92423.59	12/07/10	4	5					0.13	0.25	U
IAAP132590	IAAP132595	692004.8	92423.59	12/07/10	5	6					0.13	0.25	U
IAAP132602	IAAP132602	692021.1	92375.6	12/08/10	0	1					0.08	0.25	J
IAAP132602	IAAP132603	692021.1	92375.6	12/08/10	1	2					0.13	0.25	U
IAAP132602	IAAP132604	692021.1	92375.6	12/08/10	2	3					0.13	0.25	U
IAAP132602	IAAP132605	692021.1	92375.6	12/08/10	3	4					0.13	0.25	U
IAAP132602	IAAP132606	692021.1	92375.6	12/08/10	4	5					0.13	0.25	U
IAAP132602	IAAP132607	692021.1	92375.6	12/08/10	5	6					0.13	0.25	U
IAAP132608	IAAP132608	692034.8	92362.03	12/08/10	0	1					0.13	0.25	U
IAAP132608	IAAP132609	692034.8	92362.03	12/08/10	1	2					0.08	0.25	J
IAAP132608	IAAP132610	692034.8	92362.03	12/08/10	2	3					0.08	0.25	J
IAAP132608	IAAP132611	692034.8	92362.03	12/08/10	3	4					0.18	0.25	J
IAAP132608	IAAP132612	692034.8	92362.03	12/08/10	4	5					0.22	0.25	J
IAAP132608	IAAP132613	692034.8	92362.03	12/08/10	5	6					0.31	0.25	=
IAAP132560	IAAP132614	692009.98	92408.8	12/07/10	6.4	6.6					0.13	0.25	U
IAAP132590	IAAP132616	692004.8	92423.59	12/07/10	8.5	8.6					0.06	0.25	J
IAAP132602	IAAP132618	692021.1	92375.6	12/08/10	9.5	10					0.13	0.25	U
IAAP133133	IAAP133133	691985.5	92460.74	12/08/10	0	1					0.08	0.25	J
IAAP133133	IAAP133134	691985.5	92460.74	12/08/10	1	2					0.13	0.25	J
IAAP133133	IAAP133135	691985.5	92460.74	12/08/10	2	3					0.13	0.25	U
IAAP135624	IAAP135624	691980.88	92492.22	04/12/11	0	1					0.13	0.25	U
IAAP135624	IAAP135625	691980.88	92492.22	04/12/11	1	2					0.13	0.25	U
IAAP135624	IAAP135626	691980.88	92492.22	04/12/11	2	3					0.13	0.25	U
IAAP135624	IAAP135627	691980.88	92492.22	04/12/11	3	4					0.13	0.25	U
IAAP135624	IAAP135628	691980.88	92492.22	04/12/11	4	5					0.13	0.25	U
IAAP135624	IAAP135629	691980.88	92492.22	04/12/11	5	6					0.13	0.25	U

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	RDX		
											Result	DL	VQ
IAAP135630	IAAP135630	691983.2	92499.09	04/12/11	0	1					0.13	0.25	U
IAAP135630	IAAP135631	691983.2	92499.09	04/12/11	1	2					0.13	0.25	U
IAAP135630	IAAP135632	691983.2	92499.09	04/12/11	2	3					0.13	0.25	U
IAAP135630	IAAP135633	691983.2	92499.09	04/12/11	3	4					0.13	0.25	U
IAAP135630	IAAP135634	691983.2	92499.09	04/12/11	4	5					0.13	0.25	U
IAAP135630	IAAP135635	691983.2	92499.09	04/12/11	5	6					0.13	0.25	U
IAAP135642	IAAP135642	691979	92523.18	04/12/11	0	1					0.13	0.25	U
IAAP135642	IAAP135643	691979	92523.18	04/12/11	1	2					0.13	0.25	U
IAAP135642	IAAP135644	691979	92523.18	04/12/11	2	3					0.08	0.25	J
IAAP135642	IAAP135645	691979	92523.18	04/12/11	3	4					0.10	0.25	J
IAAP135642	IAAP135646	691979	92523.18	04/12/11	4	5					0.13	0.25	U
IAAP135642	IAAP135647	691979	92523.18	04/12/11	5	6					0.13	0.25	U
IAAP135648	IAAP135648	691977.06	92526.48	04/12/11	0	1					0.13	0.25	U
IAAP135648	IAAP135649	691977.06	92526.48	04/12/11	1	2					0.13	0.25	U
IAAP135648	IAAP135650	691977.06	92526.48	04/12/11	2	3					0.13	0.25	U
IAAP135648	IAAP135651	691977.06	92526.48	04/12/11	3	4					0.13	0.25	U
IAAP135648	IAAP135652	691977.06	92526.48	04/12/11	4	5					0.10	0.25	J
IAAP135648	IAAP135653	691977.06	92526.48	04/12/11	5	6					0.20	0.25	J
IAAP135672	IAAP135672	691966.97	92559.46	04/13/11	0	1					0.13	0.25	U
IAAP135672	IAAP135673	691966.97	92559.46	04/13/11	1	2					0.13	0.25	U
IAAP135672	IAAP135674	691966.97	92559.46	04/13/11	2	3					0.13	0.25	U
IAAP135672	IAAP135675	691966.97	92559.46	04/13/11	3	4					0.13	0.25	U
IAAP135672	IAAP135676	691966.97	92559.46	04/13/11	4	5					0.13	0.25	U
IAAP135672	IAAP135677	691966.97	92559.46	04/13/11	5	6					0.13	0.25	U
IAAP135678	IAAP135678	691962.25	92572.14	04/13/11	0	1					0.13	0.25	U
IAAP135678	IAAP135679	691962.25	92572.14	04/13/11	1	2					0.13	0.25	U
IAAP135678	IAAP135680	691962.25	92572.14	04/13/11	2	3					0.13	0.25	U
IAAP135678	IAAP135681	691962.25	92572.14	04/13/11	3	4					0.13	0.25	U
IAAP135678	IAAP135682	691962.25	92572.14	04/13/11	4	5					0.13	0.25	U
IAAP135678	IAAP135683	691962.25	92572.14	04/13/11	5	6					0.13	0.25	U
IAAP135684	IAAP135684	691961.6	92575.74	04/13/11	0	1					0.13	0.25	U
IAAP135684	IAAP135685	691961.6	92575.74	04/13/11	1	2					0.13	0.25	U
IAAP135684	IAAP135686	691961.6	92575.74	04/13/11	2	3					0.13	0.25	U
IAAP135684	IAAP135687	691961.6	92575.74	04/13/11	3	4					0.13	0.25	U
IAAP135684	IAAP135688	691961.6	92575.74	04/13/11	4	5					0.13	0.25	U
IAAP135684	IAAP135689	691961.6	92575.74	04/13/11	5	6					0.13	0.25	U
IAAP135690	IAAP135690	691957.18	92589.23	04/13/11	0	1					0.13	0.25	U
IAAP135690	IAAP135691	691957.18	92589.23	04/13/11	1	2					0.13	0.25	U
IAAP135690	IAAP135692	691957.18	92589.23	04/13/11	2	3					0.13	0.25	U
IAAP135690	IAAP135693	691957.18	92589.23	04/13/11	3	4					0.13	0.25	U

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	RDX		
											Result	DL	VQ
IAAP135690	IAAP135694	691957.18	92589.23	04/13/11	4	5					0.13	0.25	U
IAAP135690	IAAP135695	691957.18	92589.23	04/13/11	5	6					0.13	0.25	U
IAAP135696	IAAP135696	691953.6	92600.02	04/13/11	0	1					0.13	0.25	U
IAAP135696	IAAP135697	691953.6	92600.02	04/13/11	1	2					0.13	0.25	U
IAAP135696	IAAP135698	691953.6	92600.02	04/13/11	2	3					0.13	0.25	U
IAAP135696	IAAP135699	691953.6	92600.02	04/13/11	3	4					0.13	0.25	U
IAAP135696	IAAP135700	691953.6	92600.02	04/13/11	4	5					0.13	0.25	U
IAAP135696	IAAP135701	691953.6	92600.02	04/13/11	5	6					0.13	0.25	U
IAAP135702	IAAP135702	691943.2	92622.73	04/13/11	0	1					0.13	0.25	U
IAAP135702	IAAP135703	691943.2	92622.73	04/13/11	1	2					0.13	0.25	U
IAAP135702	IAAP135704	691943.2	92622.73	04/13/11	2	3					0.13	0.25	U
IAAP135702	IAAP135705	691943.2	92622.73	04/13/11	3	4					0.13	0.25	U
IAAP135702	IAAP135706	691943.2	92622.73	04/13/11	4	5					0.13	0.25	U
IAAP135702	IAAP135707	691943.2	92622.73	04/13/11	5	6					0.13	0.25	U
IAAP135708	IAAP135708	691942.51	92624.81	04/13/11	0	1					0.13	0.25	U
IAAP135708	IAAP135709	691942.51	92624.81	04/13/11	1	2					0.13	0.25	U
IAAP135708	IAAP135710	691942.51	92624.81	04/13/11	2	3					0.13	0.25	U
IAAP135708	IAAP135711	691942.51	92624.81	04/13/11	3	4					0.13	0.25	U
IAAP135708	IAAP135712	691942.51	92624.81	04/13/11	4	5					0.13	0.25	U
IAAP135708	IAAP135713	691942.51	92624.81	04/13/11	5	6					0.13	0.25	U
IAAP135714	IAAP135714	691941.17	92628.8	04/13/11	0	1					0.13	0.25	U
IAAP135714	IAAP135715	691941.17	92628.8	04/13/11	1	2					0.13	0.25	U
IAAP135714	IAAP135716	691941.17	92628.8	04/13/11	2	3					0.13	0.25	U
IAAP135714	IAAP135717	691941.17	92628.8	04/13/11	3	4					0.13	0.25	U
IAAP135714	IAAP135718	691941.17	92628.8	04/13/11	4	5					0.13	0.25	U
IAAP135714	IAAP135719	691941.17	92628.8	04/13/11	5	6					0.13	0.25	U
IAAP135720	IAAP135720	691939.44	92633.99	04/13/11	0	1					0.13	0.25	U
IAAP135720	IAAP135721	691939.44	92633.99	04/13/11	1	2					0.13	0.25	U
IAAP135720	IAAP135722	691939.44	92633.99	04/13/11	2	3					0.13	0.25	U
IAAP135720	IAAP135723	691939.44	92633.99	04/13/11	3	4					0.13	0.25	U
IAAP135720	IAAP135724	691939.44	92633.99	04/13/11	4	5					0.13	0.25	U
IAAP135720	IAAP135725	691939.44	92633.99	04/13/11	5	6					0.13	0.25	U
IAAP135726	IAAP135726	691938.97	92635.4	04/13/11	0	1					0.13	0.25	U
IAAP135726	IAAP135727	691938.97	92635.4	04/13/11	1	2					0.13	0.25	U
IAAP135726	IAAP135728	691938.97	92635.4	04/13/11	2	3					0.13	0.25	U
IAAP135726	IAAP135729	691938.97	92635.4	04/13/11	3	4					0.13	0.25	U
IAAP135726	IAAP135730	691938.97	92635.4	04/13/11	4	5					0.13	0.25	U
IAAP135726	IAAP135731	691938.97	92635.4	04/13/11	5	6					0.13	0.25	U
IAAP135732	IAAP135732	691935	92647.27	04/13/11	0	1					0.13	0.25	U
IAAP135732	IAAP135733	691935	92647.27	04/13/11	1	2					0.13	0.25	U

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	RDX		
											Result	DL	VQ
IAAP135732	IAAP135734	691935	92647.27	04/13/11	2	3					0.13	0.25	U
IAAP135732	IAAP135735	691935	92647.27	04/13/11	3	4					0.13	0.25	U
IAAP135732	IAAP135736	691935	92647.27	04/13/11	4	5					0.13	0.25	U
IAAP135732	IAAP135737	691935	92647.27	04/13/11	5	6					0.13	0.25	U
IAAP135738	IAAP135738	691931.22	92658.59	04/14/11	0	1					0.08	0.25	J
IAAP135738	IAAP135739	691931.22	92658.59	04/14/11	1	2					0.13	0.25	U
IAAP135738	IAAP135740	691931.22	92658.59	04/14/11	2	3					0.13	0.25	U
IAAP135738	IAAP135741	691931.22	92658.59	04/14/11	3	4					0.16	0.25	J
IAAP135738	IAAP135742	691931.22	92658.59	04/14/11	4	5					0.13	0.25	U
IAAP135738	IAAP135743	691931.22	92658.59	04/14/11	5	6					0.13	0.25	U
IAAP135744	IAAP135744	691926.8	92671.89	04/14/11	0	1					0.13	0.25	U
IAAP135744	IAAP135745	691926.8	92671.89	04/14/11	1	2					0.13	0.25	U
IAAP135744	IAAP135746	691926.8	92671.89	04/14/11	2	3					0.14	0.25	J
IAAP135744	IAAP135747	691926.8	92671.89	04/14/11	3	4					0.27	0.25	=
IAAP135744	IAAP135748	691926.8	92671.89	04/14/11	4	5					0.19	0.25	J
IAAP135744	IAAP135749	691926.8	92671.89	04/14/11	5	6					0.17	0.25	J
IAAP135750	IAAP135750	691925.92	92674.48	04/14/11	0	1					0.13	0.25	U
IAAP135750	IAAP135751	691925.92	92674.48	04/14/11	1	2					0.13	0.25	U
IAAP135750	IAAP135752	691925.92	92674.48	04/14/11	2	3					0.13	0.25	U
IAAP135750	IAAP135753	691925.92	92674.48	04/14/11	3	4					0.13	0.25	U
IAAP135750	IAAP135754	691925.92	92674.48	04/14/11	4	5					0.13	0.25	U
IAAP135750	IAAP135755	691925.92	92674.48	04/14/11	5	6					0.13	0.25	U
IAAP135756	IAAP135756	691923.6	92681.41	04/14/11	0	1					0.13	0.25	U
IAAP135756	IAAP135757	691923.6	92681.41	04/14/11	1	2					0.13	0.25	U
IAAP135756	IAAP135758	691923.6	92681.41	04/14/11	2	3					0.13	0.25	U
IAAP135756	IAAP135759	691923.6	92681.41	04/14/11	3	4					0.13	0.25	U
IAAP135756	IAAP135760	691923.6	92681.41	04/14/11	4	5					0.13	0.25	U
IAAP135756	IAAP135761	691923.6	92681.41	04/14/11	5	6					0.13	0.25	U
IAAP135762	IAAP135762	691918.6	92696.36	04/14/11	0	1					0.13	0.25	U
IAAP135762	IAAP135763	691918.6	92696.36	04/14/11	1	2					0.13	0.25	U
IAAP135762	IAAP135764	691918.6	92696.36	04/14/11	2	3					0.13	0.25	U
IAAP135762	IAAP135765	691918.6	92696.36	04/14/11	3	4					0.13	0.25	U
IAAP135762	IAAP135766	691918.6	92696.36	04/14/11	4	5					0.13	0.25	U
IAAP135762	IAAP135767	691918.6	92696.36	04/14/11	5	6					0.13	0.25	U
IAAP135768	IAAP135768	691912.95	92713.28	04/14/11	0	1					0.13	0.25	U
IAAP135768	IAAP135769	691912.95	92713.28	04/14/11	1	2					0.13	0.25	U
IAAP135768	IAAP135770	691912.95	92713.28	04/14/11	2	3					0.13	0.25	U
IAAP135768	IAAP135771	691912.95	92713.28	04/14/11	3	4					0.13	0.25	U
IAAP135768	IAAP135772	691912.95	92713.28	04/14/11	4	5					0.13	0.25	U
IAAP135768	IAAP135773	691912.95	92713.28	04/14/11	5	6					0.13	0.25	U

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	RDX		
											Result	DL	VQ
IAAP135774	IAAP135774	691910.4	92720.78	04/14/11	0	1					0.13	0.25	U
IAAP135774	IAAP135775	691910.4	92720.78	04/14/11	1	2					0.13	0.25	U
IAAP135774	IAAP135776	691910.4	92720.78	04/14/11	2	3					0.10	0.25	J
IAAP135774	IAAP135777	691910.4	92720.78	04/14/11	3	4					0.13	0.25	U
IAAP135774	IAAP135778	691910.4	92720.78	04/14/11	4	5					0.13	0.25	U
IAAP135774	IAAP135779	691910.4	92720.78	04/14/11	5	6					0.13	0.25	U
IAAP135780	IAAP135780	691914.76	92728.82	04/14/11	0	1					0.13	0.25	J
IAAP135780	IAAP135781	691914.76	92728.82	04/14/11	1	2					0.13	0.25	U
IAAP135780	IAAP135782	691914.76	92728.82	04/14/11	2	3					0.13	0.25	U
IAAP135780	IAAP135783	691914.76	92728.82	04/14/11	3	4					0.13	0.25	U
IAAP135780	IAAP135784	691914.76	92728.82	04/14/11	4	5					0.13	0.25	U
IAAP135780	IAAP135785	691914.76	92728.82	04/14/11	5	6					0.13	0.25	U
IAAP135786	IAAP135786	691924.4	92732.09	04/14/11	0	1					0.13	0.25	U
IAAP135786	IAAP135787	691924.4	92732.09	04/14/11	1	2					0.13	0.25	U
IAAP135786	IAAP135788	691924.4	92732.09	04/14/11	2	3					0.13	0.25	U
IAAP135786	IAAP135789	691924.4	92732.09	04/14/11	3	4					0.13	0.25	U
IAAP135786	IAAP135790	691924.4	92732.09	04/14/11	4	5					0.13	0.25	U
IAAP135630	IAAP135798	691983.2	92499.09	04/12/11	3.5	4					0.13	0.25	U
IAAP135774	IAAP135801	691910.4	92720.78	04/14/11	8.5	8.9					0.13	0.25	U
IAAP136603	IAAP136603	691990.48	93027.37	05/04/11	0	1					0.13	0.25	U
IAAP136603	IAAP136604	691990.48	93027.37	05/04/11	1	2					0.13	0.25	U
IAAP136603	IAAP136607	691990.48	93027.37	05/04/11	4	5					0.13	0.25	U
IAAP136603	IAAP136608	691990.48	93027.37	05/04/11	5	6					0.13	0.25	U
IAAP136615	IAAP136615	692002.23	92440.11	05/04/11	0	1					0.13	0.25	U
IAAP136615	IAAP136616	692002.23	92440.11	05/04/11	1	2					0.13	0.25	U
IAAP136615	IAAP136617	692002.23	92440.11	05/04/11	2	3					0.13	0.25	U
IAAP136615	IAAP136618	692002.23	92440.11	05/04/11	3	4					0.13	0.25	U
IAAP136615	IAAP136619	692002.23	92440.11	05/04/11	4	5					0.13	0.25	U
IAAP136615	IAAP136620	692002.23	92440.11	05/04/11	5	6					0.13	0.25	U
IAAP136621	IAAP136621	692000.16	92433.35	05/03/11	0	1					0.13	0.25	U
IAAP136621	IAAP136622	692000.16	92433.35	05/03/11	1	2					0.13	0.25	U
IAAP136621	IAAP136623	692000.16	92433.35	05/03/11	2	3					0.13	0.25	U
IAAP136621	IAAP136626	692000.16	92433.35	05/03/11	5	6					0.13	0.25	U
IAAP136627	IAAP136627	691984.57	92430.72	05/04/11	0	1					0.13	0.25	U
IAAP136627	IAAP136628	691984.57	92430.72	05/04/11	1	2					0.13	0.25	U
IAAP136627	IAAP136629	691984.57	92430.72	05/04/11	2	3					0.13	0.25	U
IAAP136627	IAAP136630	691984.57	92430.72	05/04/11	3	4					0.13	0.25	U
IAAP136627	IAAP136631	691984.57	92430.72	05/04/11	4	5					0.09	0.25	J
IAAP136627	IAAP136632	691984.57	92430.72	05/04/11	5	6					0.31	0.25	=
IAAP136633	IAAP136633	692028.24	92370.53	05/04/11	0	1					22.00	0.25	=

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	RDX		
											Result	DL	VQ
IAAP136633	IAAP136634	692028.24	92370.53	05/04/11	1	2					12.00	0.25	=
IAAP136633	IAAP136635	692028.24	92370.53	05/04/11	2	3					1.40	0.25	=
IAAP136633	IAAP136636	692028.24	92370.53	05/04/11	3	4					1.90	0.25	=
IAAP136633	IAAP136637	692028.24	92370.53	05/04/11	4	5					2.70	0.25	=
IAAP136633	IAAP136638	692028.24	92370.53	05/04/11	5	6					0.57	0.25	=
IAAP136639	IAAP136639	692028.32	92354.72	05/04/11	0	1					0.13	0.25	U
IAAP136639	IAAP136640	692028.32	92354.72	05/04/11	1	2					0.13	0.25	U
IAAP136639	IAAP136641	692028.32	92354.72	05/04/11	2	3					0.13	0.25	U
IAAP136639	IAAP136642	692028.32	92354.72	05/04/11	3	4					0.16	0.25	J
IAAP136639	IAAP136643	692028.32	92354.72	05/04/11	4	5					0.13	0.25	U
IAAP136639	IAAP136644	692028.32	92354.72	05/04/11	5	6					0.13	0.25	U
IAAP136654	IAAP136654	691990.21	92473.36	05/02/11	5	6					0.13	0.25	U
IAAP136656	IAAP136656	691972.56	92463.97	05/03/11	5	6					0.13	0.25	U
IAAP136658	IAAP136658	692002.51	92428.93	05/04/11	0	1					0.13	0.25	U
IAAP136663	IAAP136663	692014.03	92365.71	05/03/11	5	6					0.13	0.25	U
IAAP136664	IAAP136664	692018.77	92367.32	05/04/11	0	1					0.13	0.25	U
IAAP136664	IAAP136665	692018.77	92367.32	05/04/11	1	2					0.13	0.25	U
IAAP136664	IAAP136666	692018.77	92367.32	05/04/11	2	3					0.10	0.25	J
IAAP136664	IAAP136667	692018.77	92367.32	05/04/11	3	4					0.16	0.25	J
IAAP136664	IAAP136668	692018.77	92367.32	05/04/11	4	5					0.18	0.25	J
IAAP136664	IAAP136669	692018.77	92367.32	05/04/11	5	6					0.78	0.25	=
IAAP136670	IAAP136670	692034.54	92374.38	05/03/11	0	1					0.13	0.25	U
IAAP136670	IAAP136671	692034.54	92374.38	05/03/11	1	2					0.08	0.25	J
IAAP136670	IAAP136672	692034.54	92374.38	05/03/11	2	3					0.13	0.25	U
IAAP136670	IAAP136673	692034.54	92374.38	05/03/11	3	4					0.13	0.25	U
IAAP136670	IAAP136674	692034.54	92374.38	05/03/11	4	5					0.13	0.25	U
IAAP136670	IAAP136675	692034.54	92374.38	05/03/11	5	6					0.13	0.25	U
IAAP136676	IAAP136676	691938	92733.88	05/16/11	0	1					0.13	0.25	U
IAAP136677	IAAP136677	691930.96	92723.63	05/16/11	0	1					0.13	0.25	U
IAAP136678	IAAP136678	691973.09	92556.21	05/18/11	5	6					0.13	0.25	U
IAAP136679	IAAP136679	691958.86	92551.46	05/17/11	0	1					0.13	0.25	U
IAAP136681	IAAP136681	691961.63	92544.56	05/17/11	2	3					0.13	0.25	U
IAAP136682	IAAP136682	691989.82	92522.98	05/17/11	0.5	1.5					0.36	0.25	=
IAAP136683	IAAP136683	691981.92	92515.07	05/18/11	0	1					0.23	0.25	J
IAAP136683	IAAP136684	691981.92	92515.07	05/18/11	4	5					0.13	0.25	U
IAAP136685	IAAP136685	691970.85	92516.65	05/17/11	0	1					0.13	0.25	U
IAAP136686	IAAP136686	691983.5	92510.33	05/17/11	0	1					0.13	0.25	U
IAAP136686	IAAP136687	691983.5	92510.33	05/17/11	1	2					0.13	0.25	U
IAAP136686	IAAP136688	691983.5	92510.33	05/17/11	2	3					0.13	0.25	U
IAAP136686	IAAP136689	691983.5	92510.33	05/17/11	3	4					0.13	0.25	U

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	RDX		
											Result	DL	VQ
IAAP136686	IAAP136690	691983.5	92510.33	05/17/11	4	5					0.13	0.25	U
IAAP136686	IAAP136691	691983.5	92510.33	05/17/11	5	6					0.13	0.25	U
IAAP136775	IAAP136775	691933.21	92732.44	05/18/11	0	1					0.11	0.25	J
IAAP136775	IAAP136776	691933.21	92732.44	05/18/11	1	2					0.13	0.25	UJ
IAAP136775	IAAP136777	691933.21	92732.44	05/18/11	2	3					0.13	0.25	UJ
IAAP136775	IAAP136778	691933.21	92732.44	05/18/11	3	4					0.07	0.25	J
IAAP136775	IAAP136779	691933.21	92732.44	05/18/11	4	5					0.13	0.25	UJ
IAAP136775	IAAP136780	691933.21	92732.44	05/18/11	5	6					0.13	0.25	UJ
IAAP136781	IAAP136781	691929.35	92728.37	05/18/11	0	1					0.13	0.25	UJ
IAAP136781	IAAP136782	691929.35	92728.37	05/18/11	1	2					0.13	0.25	UJ
IAAP136781	IAAP136783	691929.35	92728.37	05/18/11	2	3					0.13	0.25	UJ
IAAP136781	IAAP136784	691929.35	92728.37	05/18/11	3	4					0.13	0.25	UJ
IAAP136781	IAAP136785	691929.35	92728.37	05/18/11	4	5					0.13	0.25	UJ
IAAP136781	IAAP136786	691929.35	92728.37	05/18/11	5	6					0.13	0.25	UJ
IAAP136787	IAAP136787	691976.83	92560.81	05/17/11	0	1					0.13	0.25	UJ
IAAP136787	IAAP136788	691976.83	92560.81	05/17/11	1	2					0.13	0.25	UJ
IAAP136787	IAAP136789	691976.83	92560.81	05/17/11	2	3					0.13	0.25	UJ
IAAP136787	IAAP136790	691976.83	92560.81	05/17/11	3	4					0.13	0.25	UJ
IAAP136787	IAAP136791	691976.83	92560.81	05/17/11	4	5					0.13	0.25	UJ
IAAP136787	IAAP136792	691976.83	92560.81	05/17/11	5	6					0.13	0.25	UJ
IAAP136793	IAAP136793	691963.6	92553.05	05/18/11	0	1					0.13	0.25	UJ
IAAP136793	IAAP136794	691963.6	92553.05	05/18/11	1	2					0.13	0.25	U
IAAP136793	IAAP136795	691963.6	92553.05	05/18/11	2	3					0.13	0.25	U
IAAP136793	IAAP136796	691963.6	92553.05	05/18/11	3	4					0.13	0.25	U
IAAP136793	IAAP136797	691963.6	92553.05	05/18/11	4	5					0.13	0.25	U
IAAP136793	IAAP136798	691963.6	92553.05	05/18/11	5	6					0.13	0.25	U
IAAP136799	IAAP136799	691985.08	92553.02	05/17/11	0	1					0.13	0.25	U
IAAP136799	IAAP136800	691985.08	92553.02	05/17/11	1	2					0.13	0.25	U
IAAP136799	IAAP136801	691985.08	92553.02	05/17/11	2	3					0.13	0.25	U
IAAP136799	IAAP136802	691985.08	92553.02	05/17/11	3	4					0.13	0.25	U
IAAP136799	IAAP136803	691985.08	92553.02	05/17/11	4	5					0.10	0.25	J
IAAP136799	IAAP136804	691985.08	92553.02	05/17/11	5	6					0.13	0.25	U
IAAP136805	IAAP136805	691974.27	92538.23	05/17/11	0	1					0.13	0.25	U
IAAP136805	IAAP136806	691974.27	92538.23	05/17/11	1	2					0.13	0.25	U
IAAP136805	IAAP136807	691974.27	92538.23	05/17/11	2	3					0.13	0.25	U
IAAP136805	IAAP136808	691974.27	92538.23	05/17/11	3	4					0.07	0.25	J
IAAP136805	IAAP136809	691974.27	92538.23	05/17/11	4	5					0.38	0.25	=
IAAP136805	IAAP136810	691974.27	92538.23	05/17/11	5	6					0.13	0.25	U
IAAP136811	IAAP136811	691970.78	92548.09	05/17/11	0	1					0.16	0.25	J
IAAP136811	IAAP136812	691970.78	92548.09	05/17/11	1	2					0.14	0.25	J

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	RDX		
											Result	DL	VQ
IAAP136811	IAAP136813	691970.78	92548.09	05/17/11	2	3					0.20	0.25	J
IAAP136811	IAAP136814	691970.78	92548.09	05/17/11	3	4					0.13	0.25	U
IAAP136811	IAAP136815	691970.78	92548.09	05/17/11	4	5					0.13	0.25	U
IAAP136811	IAAP136816	691970.78	92548.09	05/17/11	5	6					0.13	0.25	U
IAAP136817	IAAP136817	691966.07	92544.14	05/17/11	0	1					0.13	0.25	U
IAAP136817	IAAP136818	691966.07	92544.14	05/17/11	1	2					0.13	0.25	U
IAAP136817	IAAP136819	691966.07	92544.14	05/17/11	2	3					0.13	0.25	U
IAAP136817	IAAP136820	691966.07	92544.14	05/17/11	3	4					0.13	0.25	U
IAAP136817	IAAP136821	691966.07	92544.14	05/17/11	4	5					0.13	0.25	U
IAAP136817	IAAP136822	691966.07	92544.14	05/17/11	5	6					0.13	0.25	U
IAAP136823	IAAP136823	691994.57	92524.56	05/18/11	1	2					0.13	0.25	U
IAAP136823	IAAP136824	691994.57	92524.56	05/18/11	2	3					0.13	0.25	U
IAAP136823	IAAP136825	691994.57	92524.56	05/18/11	3	4					0.13	0.25	U
IAAP136823	IAAP136826	691994.57	92524.56	05/18/11	4	5					0.13	0.25	U
IAAP136823	IAAP136827	691994.57	92524.56	05/18/11	5	6					0.13	0.25	U
IAAP136823	IAAP136828	691994.57	92524.56	05/18/11	6	7					0.13	0.25	U
IAAP137255	IAAP137255	691975.59	92518.24	05/18/11	0	1					0.13	0.25	U
IAAP137255	IAAP137256	691975.59	92518.24	05/18/11	1	2					0.13	0.25	U
IAAP137255	IAAP137257	691975.59	92518.24	05/18/11	2	3					0.13	0.25	U
IAAP137255	IAAP137258	691975.59	92518.24	05/18/11	3	4					0.13	0.25	U
IAAP137255	IAAP137259	691975.59	92518.24	05/18/11	4	5					0.13	0.25	U
IAAP137255	IAAP137260	691975.59	92518.24	05/18/11	5	6					0.13	0.25	U
IAAP96925	IAAP96925	692027	92844.46	10/26/06	0	0.5					0.18	0.35	U
IAAP96926	IAAP96926	692014.91	92844.8	10/26/06	0	0.5					0.18	0.35	U
IAAP96928	IAAP96928	691998.35	92979.48	10/26/06	0	0.5					0.18	0.35	U
IAAP96929	IAAP96929	691966.49	92969.51	10/26/06	0	0.5					0.17	0.34	U
IAAP96934	IAAP96934	COMPOSITE	COMPOSITE	11/15/06	0	0.5					0.15	0.29	UJ
IAAP96935	IAAP96935	691894.02	93328.08	11/15/06	0	0.5					0.14	0.28	UJ
IAAP96936	IAAP96936	COMPOSITE	COMPOSITE	11/15/06	0	0.5					0.17	0.34	UJ
IAAP96937	IAAP96937	COMPOSITE	COMPOSITE	11/13/06	0	0.5					0.14	0.28	UJ
IAAP96938	IAAP96938	691840.29	93270.4	11/13/06	0	0.5					0.17	0.33	UJ
IAAP96939	IAAP96939	691831.83	93298.23	11/13/06	0	0.5					0.14	0.27	UJ
IAAP96940	IAAP96940	691832.3	93342.32	11/13/06	0	0.5					0.14	0.28	UJ
IAAP96941	IAAP96941	691814.66	93317.23	11/13/06	0	0.5					0.16	0.32	UJ
IAAP96942	IAAP96942	691838.97	93244.84	11/13/06	0	0.5					0.16	0.31	UJ
IAAP96949	IAAP96949	692113.04	93092.9	11/15/06	0	0.5					0.16	0.31	UJ
IAAP96950	IAAP96950	COMPOSITE	COMPOSITE	11/15/06	0	0.5					0.16	0.32	UJ
IAAP96951	IAAP96951	COMPOSITE	COMPOSITE	11/15/06	0	0.5					0.16	0.31	UJ
IAAP96952	IAAP96952	692127.71	93042.61	11/15/06	0	0.5					0.13	0.26	UJ
IAAP96953	IAAP96953	692116.38	93011.84	11/15/06	0	0.5					0.07	0.3	J

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	RDX		
											Result	DL	VQ
IAAP96954	IAAP96954	692116.26	92981.47	11/15/06	0	0.5					0.14	0.28	UJ
IAAP96955	IAAP96955	692175.68	92981.55	11/15/06	0	0.5					0.16	0.32	UJ
IAAP96956	IAAP96956	COMPOSITE	COMPOSITE	11/15/06	0	0.5					0.16	0.31	UJ
IAAP96957	IAAP96957	692056.98	93146.93	11/15/06	0	0.5					0.17	0.34	UJ
IAAP96958	IAAP96958	692074.54	93130.61	11/15/06	0	0.5					0.18	0.35	UJ
IAAP96959	IAAP96959	COMPOSITE	COMPOSITE	11/14/06	0	0.5					0.15	0.3	UJ
IAAP96960	IAAP96960	692088.53	93112.41	11/15/06	0	0.5					0.16	0.32	UJ
IAAP96961	IAAP96961	COMPOSITE	COMPOSITE	11/13/06	0	0.5					0.16	0.31	UJ
IAAP96962	IAAP96962	COMPOSITE	COMPOSITE	11/13/06	0	0.5					0.16	0.31	UJ
IAAP96963	IAAP96963	COMPOSITE	COMPOSITE	11/13/06	0	0.5					0.15	0.29	UJ
IAAP96964	IAAP96964	691985.83	93063.1	11/13/06	0	0.5					0.16	0.31	UJ
IAAP96965	IAAP96965	691993.8	93029.94	11/13/06	0	0.5					0.13	0.26	UJ
IAAP96966	IAAP96966	691954.93	93007.81	11/13/06	0	0.5					0.16	0.32	UJ
IAAP96967	IAAP96967	691937	93039	11/13/06	0	0.5					0.13	0.26	UJ
IAAP96968	IAAP96968	691938.96	93067.14	11/13/06	0	0.5					0.13	0.26	UJ
IAAP96969	IAAP96969	691938.96	93067.14	11/13/06	1	2					0.16	0.31	UJ
IAAP96970	IAAP96970	691909.48	93056.65	11/13/06	0	0.5					0.17	0.33	UJ
IAAP96976	IAAP96976	COMPOSITE	COMPOSITE	11/14/06	0	0.5					0.17	0.33	UJ
IAAP96977	IAAP96977	COMPOSITE	COMPOSITE	11/14/06	0	0.5					0.19	0.37	UJ
IAAP96979	IAAP96979	691795.01	93119.57	11/14/06	0	0.5					0.16	0.32	UJ
IAAP96980	IAAP96980	691808.87	93106.84	11/14/06	0	0.5					0.14	0.27	UJ
IAAP96988	IAAP96988	691954.34	92114.71	11/14/06	0	0.5					0.14	0.27	UJ
IAAP96989	IAAP96989	691876.63	92299.46	11/14/06	0	0.5					0.16	0.31	UJ
IAAP96992	IAAP96992	COMPOSITE	COMPOSITE	11/14/06	0	0.5					0.14	0.28	UJ
IAAP96994	IAAP96994	691857.33	92413.74	11/14/06	0	0.5					0.14	0.28	UJ
IAAP96995	IAAP96995	691870.98	92410.67	11/14/06	0	0.5					0.15	0.3	UJ
IAAP96996	IAAP96996	COMPOSITE	COMPOSITE	11/14/06	0	0.5					0.16	0.32	UJ
IAAP96997	IAAP96997	691844.39	92407.27	11/14/06	0	0.5					0.14	0.28	UJ
IAAP96998	IAAP96998	691728	93303	11/14/06	0	0.5					0.14	0.27	UJ
IAAP97000	IAAP97000	691786.4	93115.72	11/14/06	0	0.5					0.17	0.33	UJ
IAAP97001	IAAP97001	691872	93010	12/18/06	0	0.5					0.14	0.28	UJ
IAAP97002	IAAP97002	691884	93003	12/18/06	0	0.5					0.09	0.27	J
IAAP97003	IAAP97003	691888	92995	12/18/06	0	0.5					0.26	0.31	J
IAAP97004	IAAP97004	691895	92793	12/19/06	0	0.5					0.06	0.33	=
IAAP97005	IAAP97005	691902	92791	12/19/06	0	0.5					0.13	0.31	=
IAAP97006	IAAP97006	691908	92794	12/19/06	0	0.5					0.16	0.31	U
IAAP97007	IAAP97007	691925	92795	12/19/06	0	0.5					0.16	0.32	U
IAAP97008	IAAP97008	691894	92818	12/19/06	0	0.5					0.11	0.32	=
IAAP97009	IAAP97009	691903	92823	12/19/06	0	0.5					0.16	0.31	U
IAAP97010	IAAP97010	691891	92892	12/19/06	0	0.5					0.16	0.31	U

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	RDX		
											Result	DL	VQ
IAAP97011	IAAP97011	691900	92879	12/19/06	0	0.5					0.16	0.32	U
IAAP97012	IAAP97012	691889	92913	12/19/06	0	0.5					0.17	0.33	U
IAAP97013	IAAP97013	691813	92905	12/18/06	0	0.5					0.14	0.28	UJ
IAAP97014	IAAP97014	691785	92886	12/18/06	0	0.5					0.96	0.38	J
IAAP97015	IAAP97015	691688	92824	12/18/06	0	0.5					0.13	0.26	UJ
IAAP97016	IAAP97016	691683	92887	12/18/06	0	0.5					0.17	0.33	UJ
IAAP97017	IAAP97017	691680	92894	12/18/06	0	0.5					0.15	0.3	UJ
IAAP97018	IAAP97018	691694	92881	12/18/06	0	0.5					0.18	0.35	UJ
IAAP97020	IAAP97020	691695	92744	12/18/06	0	0.5					0.17	0.33	UJ
IAAP97021	IAAP97021	691719	92718	12/18/06	0	0.5					0.48	0.34	J
IAAP97022	IAAP97022	691753	92650	12/18/06	0	0.5					0.16	0.32	UJ
IAAP97023	IAAP97023	691750	92660	12/18/06	0	0.5					0.18	0.35	UJ
IAAP97024	IAAP97024	691745	92709	12/18/06	0	0.5					1.20	0.33	J
IAAP97025	IAAP97025	691718	92783	12/18/06	0	0.5					0.17	0.33	UJ
IAAP97026	IAAP97026	691811	92938	12/18/06	0	0.5					0.16	0.34	J
IAAP97027	IAAP97027	691942	92676	12/19/06	0	0.5					0.17	0.33	U
IAAP97029	IAAP97029	691930	92683	12/19/06	0	0.5					0.17	0.33	U
IAAP97036	IAAP97036	692052.2	92417.45	12/19/06	0	0.5					0.14	0.27	U
IAAP97037	IAAP97037	692060	92421.6	12/19/06	0	0.5					0.14	0.28	U
IAAP97038	IAAP97038	692004	92424	12/19/06	0	0.5					0.13	0.34	=
IAAP97039	IAAP97039	692142.8	92156	12/19/06	0	0.5					0.50	0.31	=
IAAP97040	IAAP97040	692146	92149	12/19/06	0	0.5					0.05	0.33	J
IAAP97041	IAAP97041	692132.3	92131.1	12/19/06	0	0.5					0.14	0.28	U
IAAP97045	IAAP97045	692065	92323	12/19/06	0	0.5					0.11	0.3	=
IAAP97046	IAAP97046	692051	92339	12/19/06	0	0.5					0.17	0.33	U
IAAP97048	IAAP97048	692140.2	92094.9	12/19/06	0	0.5					0.15	0.29	U
IAAP97049	IAAP97049	691998	92245	12/19/06	0	0.5					0.17	0.33	U
IAAP98247	IAAP98247	691977	92312	12/19/06	0	0.5					0.16	0.35	=
IAAP98250	IAAP98250	691732	92354	12/20/06	0	0.5					0.19	0.37	UJ
IAAP98251	IAAP98251	691761	92310	12/20/06	0	0.5					0.16	0.32	UJ
IAAP98253	IAAP98253	691755	92246	12/20/06	0	0.5					0.16	0.32	UJ
IAAP98254	IAAP98254	691702	92289	12/20/06	0	0.5					0.21	0.42	UJ
IAAP98260	IAAP98260	691719	92537	12/18/06	0	0.5					0.15	0.3	UJ
IAAP98261	IAAP98261	691626	92692	12/18/06	0	0.5					0.16	0.31	UJ
IAAP98262	IAAP98262	691633	92751	12/18/06	0	0.5					0.17	0.34	UJ
IAAP98263	IAAP98263	691582	92869	12/18/06	0	0.5					0.48	0.95	UJ
IAAP98264	IAAP98264	691518	93097	12/18/06	0	0.5					0.21	0.41	UJ
IAAP98266	IAAP98266	691878	92578	12/18/06	0	0.5					0.16	0.32	UJ
IAAP98273	IAAP98273	692131	92072.7	12/19/06	0	0.5					0.16	0.32	U
IAAP99934	IAAP99934	692030.09	92396.58	04/16/07	0	1					0.16	0.31	U

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	RDX		
											Result	DL	VQ
IAAP99934	IAAP99935	692030.09	92396.58	04/16/07	1	2					0.16	0.32	U
IAAP99936	IAAP99936	692027.39	92394.07	04/16/07	0	1					0.17	0.33	U
IAAP99936	IAAP99937	692027.39	92394.07	04/16/07	1	2					0.16	0.32	U
IAAP99938	IAAP99938	691747.48	92260.65	04/15/07	0	0.5					0.15	0.3	U
IAAP99939	IAAP99939	691743.59	92262.02	04/15/07	0	0.5					0.16	0.32	U
IAAP99940	IAAP99940	691708.65	92265.87	04/15/07	0	0.5					0.18	0.35	U
IAAP99941	IAAP99941	691700.52	92270.71	04/15/07	0	0.5					0.33	0.66	U
IAAP99942	IAAP99942	692058.69	92404.33	04/16/07	0	0.5					0.14	0.27	U
IAAP99959	IAAP99959	692014.14	92937.77	06/05/07	3	4					0.15	0.29	U
IAAP99960	IAAP99960	692001.22	92882.79	06/05/07	2	2.5					0.14	0.27	U
IAAP100071	IAAP99962	691694.48	92747.08	06/05/07	2	3					0.16	0.31	UJ
100101	L1101001	691685	93330		0.0	1.0					0.00		
100101	L1101002	691685	93330		1.0	2.0					0.500	1	U
100101	L1101003	691685	93330		2.0	4.0					0.500	1	U
100101	L1101004	691685	93330		4.0	6.0					0.500	1	U
100102	L1101005	691685	93369		0.0	1.0					0.000		
100102	L1101006	691685	93369		1.0	2.0					0.500	1	U
100102	L1101007	691685	93369		2.0	4.0					0.500	1	U
100102	L1101008	691685	93369		4.0	6.0					0.500	1	U
100103	L1101009	691723	93308		0.0	1.0					0.000		
100103	L1101010	691723	93308		1.0	2.0					0.500	1	U
100103	L1101011	691723	93308		2.0	4.0					0.500	1	U
100103	L1101012	691723	93308		4.0	6.0					0.500	1	U
100201	L1102001	691824	93116		1.0	2.0					0.000		
100201	L1102002	691824	93116		2.0	4.0					0.000		
100202	L1102003	691834	93110		1.0	2.0					0.000		
100202	L1102004	691834	93110		2.0	4.0					0.000		
100203	L1102005	691839	93129		1.0	2.0					0.000		
100203	L1102006	691839	93129		2.0	4.0					0.000		
100204	L1102007	691851	93109		1.0	2.0					0.000		
100204	L1102008	691851	93109		2.0	4.0					0.000		
100205	L1102009	691838	93090		1.0	2.0					0.000		
100205	L1102010	691838	93090		2.0	4.0					0.000		
100205	L1102011	691838	93090		2.0	4.0					0.000		
100206	L1102012	691842	93123		1.0	2.0					0.000		
100206	L1102013	691842	93123		2.0	4.0					0.000		
100302	L1103005	691754	93117		0.0	1.0					0.000		
100302	L1103006	691754	93117		1.0	2.0					0.500	1	U
100302	L1103007	691754	93117		2.0	4.0					0.500	1	U
100302	L1103008	691754	93117		4.0	6.0					0.500	1	U

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	RDX		
											Result	DL	VQ
100303	L1103009	691803	93111		0.0	1.0					0.000		
100303	L1103010	691803	93111		1.0	2.0					0.500	1	U
100303	L1103011	691803	93111		2.0	4.0					0.500	1	U
100303	L1103012	691803	93111		4.0	6.0					0.500	1	U
100304	L1103013	691776	93096		0.0	1.0					0.000		
100304	L1103014	691776	93096		1.0	2.0					0.500	1	U
100304	L1103015	691776	93096		2.0	4.0					0.500	1	U
100304	L1103016	691776	93096		2.0	4.0					0.500	1	U
100304	L1103017	691776	93096		4.0	6.0					0.500	1	U
100305	L1103018	692112	92187		0.0	1.0					0.000		
100305	L1103019	692112	92187		1.0	2.0					0.500	1	U
100305	L1103020	692112	92187		2.0	4.0					0.500	1	U
100305	L1103021	692112	92187		4.0	6.0					0.500	1	U
100401	L1104001	691772	93135		0.0	1.0					0.000		
100401	L1104002	691772	93135		1.0	2.0					0.500	1	U
100401	L1104003	691772	93135		2.0	4.0					0.500	1	U
100401	L1104004	691772	93135		4.0	6.0					0.500	1	U
100402	L1104005	691742	93216		0.0	1.0					0.000		
100402	L1104006	691742	93216		1.0	2.0					0.500	1	U
100402	L1104007	691742	93216		2.0	4.0					0.500	1	U
100402	L1104008	691742	93216		4.0	6.0					0.500	1	U
100403	L1104009	691792	93152		0.0	1.0					0.000		
100403	L1104010	691792	93152		1.0	2.0					0.500	1	U
100403	L1104011	691792	93152		2.0	4.0					0.500	1	U
100403	L1104012	691792	93152		4.0	6.0					0.500	1	U
100404	L1104013	691796	93140		0.0	1.0					0.000		
100404	L1104014	691796	93140		1.0	2.0					0.500	1	U
100404	L1104015	691796	93140		2.0	4.0					0.500	1	U
100404	L1104016	691796	93140		4.0	6.0					0.500	1	U
100501	L1105001	691921	92838		0.0	1.0					0.000		
100501	L1105002	691921	92838		1.0	2.0					0.490	0.98	U
100501	L1105003	691921	92838		2.0	4.0					0.500	1	U
100501	L1105004	691921	92838		4.0	6.0					0.490	0.98	U
100502	L1105005	691921	92844		0.0	1.0					0.000		
100502	L1105006	691921	92844		1.0	2.0					0.500	1	U
100502	L1105007	691921	92844		1.0	2.0					0.495	0.99	U
100502	L1105008	691921	92844		2.0	4.0					0.485	0.97	U
100502	L1105009	691921	92844		4.0	6.0					0.495	0.99	U
100503	L1105010	691915	92797		0.0	1.0					0.000		
100503	L1105011	691915	92797		1.0	2.0					0.500	1	U

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	RDX		
											Result	DL	VQ
100503	L1105012	691915	92797		2.0	4.0					0.500	1	U
100503	L1105013	691915	92797		4.0	6.0					0.500	1	U
100504	L1105014	691932	92802		0.0	1.0					0.000		
100504	L1105015	691932	92802		1.0	2.0					0.500	1	U
100504	L1105016	691932	92802		2.0	4.0					0.500	1	U
100504	L1105017	691932	92802		4.0	6.0					0.500	1	U
100505	L1105018	691911	92799		0.0	1.0					0.000		
100505	L1105019	691911	92799		1.0	2.0					0.500	1	U
100505	L1105020	691911	92799		2.0	4.0					0.500	1	U
100505	L1105021	691911	92799		4.0	6.0					0.500	1	U
100506	L1105022	691896	92792		1.0	2.0					0.500	1	U
100506	L1105023	691896	92792		2.0	4.0					0.500	1	U
100506	L1105024	691896	92792		4.0	6.0					0.500	1	U
100509	L1105035	691899	92831		0.0	1.0					0.000		
100509	L1105036	691899	92831		1.0	2.0					0.490	0.98	U
100509	L1105037	691899	92831		2.0	4.0					0.500	1	U
100509	L1105038	691899	92831		4.0	6.0					0.495	0.99	U
100510	L1105055	691886	92945		0.0	1.0					0.000		
100510	L1105056	691886	92945		1.0	2.0					0.490	0.98	U
100510	L1105057	691886	92945		2.0	4.0					0.500	1	U
100510	L1105058	691886	92945		4.0	6.0					0.490	0.98	U
100511	L1105059	691877	92995		1.0	2.0					0.500	1	U
100511	L1105060	691877	92995		2.0	4.0					0.230	1	
100511	L1105061	691877	92995		2.0	4.0					0.180	1	
100511	L1105062	691877	92995		4.0	6.0					0.290	1	
100512	L1105063	691842	92972		1.0	2.0					0.500	1	U
100512	L1105064	691842	92972		2.0	4.0					0.086	1	
100512	L1105065	691842	92972		4.0	6.0					0.083	1	
100513	L1105066	691845	92995		1.0	2.0					0.500	1	U
100513	L1105067	691845	92995		2.0	4.0					0.500	1	U
100513	L1105068	691845	92995		2.0	4.0					0.495	0.99	U
100514	L1105069	691849	92986		1.0	2.0					0.500	1	U
100514	L1105070	691849	92986		2.0	4.0					0.500	1	U
100514	L1105071	691849	92986		4.0	5.0					0.500	1	U
100517	L1105079	691867	93001		0.0	1.0					0.000		
100517	L1105080	691867	93001		1.0	2.0					0.500	1	U
100517	L1105081	691867	93001		2.0	4.0					0.500	1	U
100517	L1105082	691867	93001		4.0	6.0					0.500	1	U
100519	L1105088	691864	92940		0.0	1.0					0.000		
100519	L1105089	691864	92940		1.0	2.0					0.500	1	U

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	RDX		
											Result	DL	VQ
100519	L1105090	691864	92940		2.0	4.0					0.495	0.99	U
100519	L1105091	691864	92940		4.0	6.0					0.500	1	U
100521	L1105096	691911	92849		0.0	1.0					0.000		
100521	L1105097	691911	92849		1.0	2.0					0.500	1	U
100521	L1105098	691911	92849		2.0	4.0					0.500	1	U
100521	L1105099	691911	92849		4.0	6.0					0.490	0.98	U
100601	L1106001	691750	92646		0.0	1.0					0.000		
100601	L1106002	691750	92646		1.0	2.0					0.500	1	U
100601	L1106003	691750	92646		2.0	4.0					0.495	0.99	U
100601	L1106004	691750	92646		2.0	4.0					0.500	1	U
100601	L1106005	691750	92646		4.0	6.0					0.500	1	U
100602	L1106006	691739	92639		0.0	1.0					0.000		
100602	L1106007	691739	92639		1.0	2.0					0.500	1	U
100602	L1106008	691739	92639		2.0	4.0					0.500	1	U
100602	L1106009	691739	92639		4.0	6.0					0.500	1	U
100603	L1106010	691621	93000		0.0	1.0					0.000		
100603	L1106011	691621	93000		1.0	2.0					0.480	0.96	U
100603	L1106012	691621	93000		2.0	4.0					0.495	0.99	U
100603	L1106013	691621	93000		4.0	6.0					0.500	1	U
100604	L1106014	691632	93007		0.0	1.0					0.000		
100604	L1106015	691632	93007		1.0	2.0					0.500	1	U
100604	L1106016	691632	93007		2.0	4.0					0.500	1	U
100604	L1106017	691632	93007		4.0	6.0					0.500	1	U
100701	L1107001	692002	92830		0.0	1.0					0.000		
100701	L1107002	692002	92830		1.0	2.0					0.500	1	U
100701	L1107003	692002	92830		2.0	4.0					0.500	1	U
100702	L1107005	692023	92845		0.0	1.0					0.000		
100702	L1107006	692023	92845		1.0	2.0					0.500	1	U
100702	L1107007	692023	92845		2.0	4.0					0.500	1	U
100702	L1107008	692023	92845		4.0	6.0					0.500	1	U
100703	L1107009	692034	92800		0.0	1.0					0.000		
100703	L1107010	692034	92800		1.0	2.0					0.500	1	U
100703	L1107011	692034	92800		2.0	4.0					0.500	1	U
100703	L1107012	692034	92800		4.0	6.0					0.500	1	U
100801	L1108001	691700	92779		0.0	1.0					0.000		
100801	L1108002	691700	92779		1.0	2.0					0.485	0.97	U
100801	L1108003	691700	92779		2.0	4.0					0.490	0.98	U
100801	L1108004	691700	92779		2.0	4.0					0.485	0.97	U
100801	L1108005	691700	92779		4.0	6.0					0.495	0.99	U
100802	L1108006	691723	92706		0.0	1.0					0.000		

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	RDX		
											Result	DL	VQ
100802	L1108006A	691723	92706		0.0	1.0					0.000		
100802	L1108007	691723	92706		1.0	2.0					0.500	1	U
100802	L1108007A	691723	92706		1.0	2.0					0.500	1	U
100802	L1108008	691723	92706		2.0	4.0					0.500	1	U
100802	L1108008A	691723	92706		2.0	4.0					0.500	1	U
100802	L1108009	691723	92706		4.0	6.0					0.500	1	U
100802	L1108009A	691723	92706		4.0	6.0					0.500	1	U
100803	L1108010	691715	92725		0.0	1.0					0.000		
100803	L1108011	691715	92725		1.0	2.0					0.500	1	U
100803	L1108012	691715	92725		2.0	4.0					0.500	1	U
100803	L1108013	691715	92725		4.0	6.0					0.500	1	U
100805	L1108018	691709	92730		0.0	1.0					0.000		
100805	L1108019	691709	92730		1.0	2.0					0.500	1	U
100805	L1108020	691709	92730		2.0	4.0					0.500	1	U
100805	L1108021	691709	92730		4.0	6.0					0.500	1	U
101001	L1110001	691959	92688		0.0	1.0					0.000		
101001	L1110002	691959	92688		1.0	2.0					0.500	1	U
101001	L1110003	691959	92688		2.0	4.0					0.500	1	U
101001	L1110004	691959	92688		4.0	6.0					0.500	1	U
101004	L1110016	691978	92653		0.0	1.0					0.000		
101004	L1110017	691978	92653		1.0	2.0					0.500	1	U
101004	L1110018	691978	92653		2.0	4.0					0.500	1	U
101004	L1110019	691978	92653		4.0	6.0					0.500	1	U
101005	L1110037	691993	92609		0.0	1.0					0.000		
101005	L1110038	691993	92609		1.0	2.0					0.500	1	U
101005	L1110039	691993	92609		2.0	4.0					0.500	1	U
101005	L1110040	691993	92609		4.0	6.0					0.500	1	U
101006	L1110025	691952	92623		0.0	1.0					0.000		
101006	L1110026	691952	92623		1.0	2.0					0.500	1	U
101006	L1110027	691952	92623		2.0	4.0					0.500	1	U
101006	L1110028	691952	92623		4.0	5.0					0.500	1	U
101007	L1110029	691971	92576		0.0	1.0					0.000		
101007	L1110030	691971	92576		1.0	2.0					0.500	1	U
101008	L1110033	691999	92585		0.0	1.0					0.000		
101008	L1110034	691999	92585		1.0	2.0					0.500	1	U
101008	L1110035	691999	92585		2.0	4.0					0.500	1	U
101008	L1110036	691999	92585		4.0	6.0					0.500	1	U
101009	L1110021	691999	92618		0.0	1.0					0.000		
101009	L1110022	691999	92618		1.0	2.0					0.500	1	U
101009	L1110023	691999	92618		2.0	4.0					0.500	1	U

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	RDX		
											Result	DL	VQ
101009	L1110024	691999	92618		4.0	6.0					0.500	1	U
101101	L1111001	691809	93287		0.0	1.0					0.000		
101101	L1111002	691809	93287		1.0	2.0					0.500	1	U
101101	L1111003	691809	93287		2.0	4.0					0.495	0.99	U
101101	L1111004	691809	93287		4.0	6.0					0.500	1	U
101102	L1111005	691832	93269		0.0	1.0					0.000		
101102	L1111006	691832	93269		2.0	4.0					0.000		
101103	L1111007	691812	93314		0.0	1.0					0.000		
101103	L1111008	691812	93314		1.0	2.0					0.500	1	U
101103	L1111009	691812	93314		2.0	4.0					0.495	0.99	U
101103	L1111010	691812	93314		4.0	6.0					0.500	1	U
101104	L1111011	691845	93331		0.0	1.0					0.000		
101104	L1111012	691845	93331		1.0	2.0					0.500	1	U
101104	L1111013	691845	93331		2.0	4.0					0.500	1	U
101104	L1111014	691845	93331		4.0	6.0					0.500	1	U
101105	L1111015	691894	93311		0.0	1.0					0.000		
101105	L1111016	691894	93311		1.0	2.0					0.500	1	U
101105	L1111017	691894	93311		2.0	4.0					0.500	1	U
101105	L1111018	691894	93311		4.0	6.0					0.500	1	U
101106	L1111019	691911	93281		0.0	1.0					0.000		
101106	L1111020	691911	93281		1.0	2.0					0.500	1	U
101106	L1111022	691911	93281		2.0	4.0					0.500	1	U
101106	L1111023	691911	93281		4.0	6.0					0.495	0.99	U
101107	L1111024	691838	93244		0.0	1.0					0.000		
101107	L1111025	691838	93244		1.0	2.0					0.500	1	U
101107	L1111026	691838	93244		2.0	4.0					0.500	1	U
101107	L1111027	691838	93244		4.0	6.0					0.500	1	U
101201	L1112001	692036	92381		1.0	2.0					0.500	1	U
101201	L1112001A	692036	92381		0.0	1.0					0.000		
101201	L1112002	692036	92381		1.0	2.0					0.500	1	U
101201	L1112003	692036	92381		2.0	4.0					0.500	1	U
101201	L1112004	692036	92381		4.0	6.0					0.500	1	U
101204	L1112011A	692080	92344		0.0	1.0					0.000		
101204	L1112012	692080	92344		2.0	4.0					0.500	1	U
101204	L1112013	692080	92344		4.0	6.0					0.500	1	U
101205	L1112014	692105	92261		1.0	2.0					0.500	1	U
101205	L1112014A	692105	92261		0.0	1.0					0.000		
101205	L1112015	692105	92261		2.0	4.0					0.500	1	U
101205	L1112016	692105	92261		4.0	6.0					0.500	1	U
101206	L1112017	692086	92238		1.0	2.0					0.500	1	U

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	RDX		
											Result	DL	VQ
101206	L1112017A	692086	92238		0.0	1.0					0.000		
101206	L1112018	692086	92238		2.0	4.0					0.500	1	U
101206	L1112019	692086	92238		4.0	6.0					0.500	1	U
101207	L1112020	692050	92340		1.0	2.0					0.500	1	U
101207	L1112020A	692050	92340		0.0	1.0					0.000		
101207	L1112021	692050	92340		2.0	4.0					0.500	1	U
101207	L1112022	692050	92340		4.0	6.0					0.500	1	U
101208	L1112023	692041	92462		0.0	1.0					0.000		
101208	L1112024	692041	92462		1.0	2.0					0.500	1	U
101208	L1112025	692041	92462		1.0	2.0					0.500	1	U
101208	L1112026	692041	92462		2.0	4.0					0.500	1	U
101208	L1112027	692041	92462		4.0	6.0					0.500	1	U
101209	L1112028	692063	92389		0.0	1.0					0.000		
101209	L1112029	692063	92389		1.0	2.0					0.500	1	U
101209	L1112030	692063	92389		2.0	4.0					0.500	1	U
101209	L1112031	692063	92389		4.0	6.0					0.500	1	U
101210	L1112033	692085	92323		1.0	2.0					0.500	1	U
101210	L1112034	692085	92323		2.0	4.0					0.500	1	U
101210	L1112036	692085	92323		4.0	6.0					0.500	1	U
101210	L111232	692085	92323		0.0	1.0					0.000		
101211	L1112037	692098	92292		0.0	1.0					0.000		
101211	L1112038	692098	92292		1.0	2.0					0.500	1	U
101211	L1112039	692098	92292		2.0	4.0					0.500	1	U
101211	L1112040	692098	92292		4.0	6.0					0.500	1	U
101212	L1112041	692076	92256		0.0	1.0					0.000		
101212	L1112042	692076	92256		1.0	2.0					0.500	1	U
101212	L1112043	692076	92256		2.0	4.0					0.500	1	U
101212	L1112044	692076	92256		4.0	6.0					0.500	1	U
101213	L1112045	692055	92294		0.0	1.0					0.000		
101213	L1112046	692055	92294		1.0	2.0					0.500	1	U
101213	L1112047	692055	92294		2.0	4.0					0.500	1	U
101213	L1112048	692055	92294		2.0	4.0					0.000		
101213	L1112049	692055	92294		4.0	6.0					0.500	1	U
101301	L1113001	691873	92319		0.0	1.0					0.000		
101301	L1113002	691873	92319		1.0	2.0					0.500	1	U
101301	L1113003	691873	92319		2.0	4.0					0.500	1	U
101301	L1113004	691873	92319		4.0	6.0					0.500	1	U
101302	L1113006	691868	92338		0.0	1.0					0.000		
101302	L1113007	691868	92338		1.0	2.0					0.500	1	U
101302	L1113008	691868	92338		2.0	4.0					0.500	1	U

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	RDX		
											Result	DL	VQ
101302	L1113009	691868	92338		4.0	6.0					0.500	1	U
101303	L1113010	691845	92407		0.0	1.0					0.000		
101303	L1113011	691845	92407		1.0	2.0					0.500	1	U
101303	L1113012	691845	92407		2.0	4.0					0.500	1	U
101303	L1113013	691845	92407		4.0	6.0					0.500	1	U
101304	L1113014	691870	92409		2.0	4.0					0.000		
101304	L1113015	691870	92409		1.0	2.0					0.500	1	U
101304	L1113016	691870	92409		2.0	4.0					0.500	1	U
101304	L1113017	691870	92409		4.0	6.0					0.500	1	U
101305	L1113018	691882	92387		0.0	1.0					0.000		
101305	L1113019	691882	92387		1.0	2.0					0.500	1	U
101305	L1113020	691882	92387		2.0	4.0					0.500	1	U
101305	L1113021	691882	92387		4.0	6.0					0.500	1	U
101306	L1113024	691889	94486		1.0	2.0					0.500	1	U
101307	L1113023	691900	92319		1.0	2.0					0.500	1	U
101307	L1113027	691900	92319		0.0	1.0					0.000		
101307	L1113028	691900	92319		1.0	2.0					0.500	1	U
101308	L11130035	691875	92309		4.0	6.0					0.500	1	U
101308	L1113031	691875	92309		0.0	1.0					0.000		
101308	L1113032	691875	92309		1.0	2.0					0.500	1	U
101308	L1113033	691875	92309		2.0	4.0					0.500	1	U
101308	L1113034	691875	92309		2.0	4.0					0.500	1	U
101309	L1113036	691881	92297		0.0	1.0					0.000		
101309	L1113037	691881	92297		1.0	2.0					0.500	1	U
101309	L1113038	691881	92297		2.0	4.0					0.500	1	U
101309	L1113039	691881	92297		4.0	6.0					0.500	1	U
101401	L1114001	691797	92489		0.0	1.0					0.000		
101401	L1114002	691797	92489		1.0	2.0					0.500	1	U
101401	L1114003	691797	92489		2.0	4.0					0.500	1	U
101401	L1114004	691797	92489		4.0	6.0					0.500	1	U
101402	L1114005	691814	92487		0.0	1.0					0.000		
101402	L1114006	691814	92487		1.0	2.0					0.500	1	U
101402	L1114007	691814	92487		2.0	4.0					0.500	1	U
101402	L1114008	691814	92487		4.0	6.0					0.500	1	U
101501	L1115001	691936	92124		0.0	1.0					0.000		
101501	L1115002	691936	92124		1.0	2.0					0.500	1	U
101501	L1115003	691936	92124		2.0	4.0					0.500	1	U
101501	L1115004	691936	92124		4.0	6.0					0.500	1	U
101502	L1115005	691916	92117		0.0	1.0					0.000		
101502	L1115006	691916	92117		1.0	2.0					0.500	1	U

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	RDX		
											Result	DL	VQ
101502	L1115007	691916	92117		2.0	4.0					0.500	1	U
101502	L1115008	691916	92117		4.0	6.0					0.500	1	U
101503	L1115009	691925	92088		0.0	1.0					0.000		
101503	L1115010	691925	92088		1.0	2.0					0.500	1	U
101503	L1115011	691925	92088		2.0	4.0					0.500	1	U
101503	L1115012	691925	92088		4.0	6.0					0.500	1	U
101504	L1115014	691931	92075		0.0	1.0					0.000		
101504	L1115015	691931	92075		1.0	2.0					0.500	1	U
101504	L1115016	691931	92075		2.0	4.0					0.500	1	U
101504	L1115017	691931	92075		4.0	6.0					0.500	1	U
101505	L1115018	691943	92106		0.0	1.0					0.000		
101505	L1115019	691943	92106		1.0	2.0					0.500	1	U
101505	L1115020	691943	92106		2.0	4.0					0.500	1	U
101505	L1115021	691943	92106		4.0	6.0					0.500	1	U
101506	L1115022	691950	92080		0.0	1.0					0.000		
101506	L1115023	691950	92080		1.0	2.0					0.500	1	U
101506	L1115024	691950	92080		2.0	4.0					0.500	1	U
101506	L1115025	691950	92080		4.0	6.0					0.500	1	U
101601	L1116001	692018	92532		1.0	2.0					0.000		
101602	L1116002	692025	92510		1.0	2.0					0.000		
101604	L1116005	692012	92535		1.0	2.0					0.000		
101605	L1116006	692003	92526		1.0	2.0					0.000		
101605	L1116007	692003	92526		1.0	2.0					0.000		
101901	L1119001	691756	92245		0.0	1.0					0.000		
101901	L1119002	691756	92245		1.0	2.0					0.500	1	U
101901	L1119003	691756	92245		2.0	4.0					0.500	1	U
101901	L1119004	691756	92245		4.0	6.0					0.500	1	U
101902	L1119005	691701	92291		0.0	1.0					0.000		
101902	L1119006	691701	92291		1.0	2.0					0.500	1	U
101902	L1119007	691701	92291		2.0	4.0					0.500	1	U
101902	L1119008	691701	92291		4.0	6.0					0.500	1	U
101903	L1119011	691682	92349		0.0	1.0					0.000		
101903	L1119012	691682	92349		1.0	2.0					0.500	1	U
101903	L1119013	691682	92349		2.0	4.0					0.500	1	U
101903	L1119014	691682	92349		4.0	6.0					0.500	1	U
101904	L1119015	691752	92256		0.0	1.0					0.000		
101904	L1119016	691752	92256		1.0	2.0					0.500	1	U
101904	L1119017	691752	92256		2.0	4.0					0.500	1	U
101904	L1119018	691752	92256		4.0	6.0					0.500	1	U
101905	L1119019	691756	92280		0.0	1.0					0.000		

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	RDX		
											Result	DL	VQ
101905	L1119020	691756	92280		1.0	2.0					0.500	1	U
101905	L1119021	691756	92280		2.0	4.0					0.500	1	U
101905	L1119022	691756	92280		4.0	6.0					0.500	1	U
103601	L1136001	691816	93159		0.0	1.0					0.000		
103601	L1136002	691816	93159		1.0	2.0					0.000		
103601	L1136003	691816	93159		2.0	4.0					0.000		
103602	L1136004	691819	93152		0.0	1.0					0.000		
103602	L1136005	691819	93152		1.0	2.0					0.000		
103602	L1136006	691819	93152		2.0	4.0					0.000		
103603	L1136007	691811	93151		0.0	1.0					0.000		
103603	L1136008	691811	93151		1.0	2.0					0.000		
103603	L1136009	691811	93151		2.0	4.0					0.000		
104001	L1140001	691989	92970		0.0	1.0					0.000		
104001	L1140002	691989	92970		1.0	2.0					0.500	1	U
104001	L1140003	691989	92970		2.0	4.0					0.500	1	U
104001	L1140004	691989	92970		4.0	6.0					0.500	1	U
104002	L1140005	691966	92968		0.0	1.0					0.000		
104002	L1140007	691966	92968		1.0	2.0					0.500	1	U
104002	L1140008	691966	92968		2.0	4.0					0.500	1	U
104002	L1140009	691966	92968		4.0	6.0					0.500	1	U
104003	L1140010	692020	92953		0.0	1.0					0.000		
104003	L1140011	692020	92953		0.0	1.0					0.500	1	U
104003	L1140013	692020	92953		2.0	4.0					0.500	1	U
104003	L1140014	692020	92953		4.0	6.0					0.500	1	U
104004	L1140015	691950	92925		0.0	1.0					0.000		
104004	L1140016	691950	92925		1.0	2.0					0.500	1	U
104004	L1140017	691950	92925		2.0	4.0					0.500	1	U
104004	L1140018	691950	92925		4.0	6.0					0.500	1	U
104005	L1140006	692034	92912		2.0	4.0					0.500	1	U
104005	L1140020	692034	92912		0.0	1.0					0.000		
104005	L1140021	692034	92912		1.0	2.0					0.500	1	U
104005	L1140022	692034	92912		2.0	4.0					0.500	1	U
104005	L1140023	692034	92912		4.0	6.0					0.500	1	U
104006	L1140024	692023	92873		0.0	1.0					0.000		
104006	L1140025	692023	92873		1.0	2.0					0.500	1	U
104006	L1140026	692023	92873		2.0	4.0					0.500	1	U
104006	L1140027	692023	92873		4.0	6.0					0.500	1	U
104007	L1140028	691983	92874		0.0	1.0					0.000		
104007	L1140029	691983	92874		1.0	2.0					0.500	1	U
104007	L1140030	691983	92874		2.0	4.0					0.500	1	U

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	RDX		
											Result	DL	VQ
105001	L1150001	691709	92844		1.0	2.0					0.480	0.96	U
105001	L1150002	691709	92844		2.0	4.0					0.500	1	U
105001	L1150003	691709	92844		4.0	6.0					0.490	0.98	U
105003	L1150007	691689	92828		0.0	1.0					0.000		
105003	L1150008	691689	92828		1.0	2.0					0.500	1	U
105003	L1150009	691689	92828		2.0	4.0					0.485	0.97	U
105003	L1150010	691689	92828		4.0	6.0					0.480	0.96	U
105004	L1150011	691716	92826		0.0	1.0					0.000		
105004	L1150012	691716	92826		1.0	2.0					0.500	1	U
105004	L1150013	691716	92826		2.0	4.0					0.500	1	U
105004	L1150014	691716	92826		4.0	6.0					0.500	1	U
105301	L1153001	692136	92161		1.0	2.0					0.500	1	U
105301	L1153001A	692136	92161		0.0	1.0					0.000		
105301	L1153003	692136	92161		2.0	4.0					0.500	1	U
105301	L1153004	692136	92161		4.0	6.0					0.500	1	U
105302	L1153002	692145	92145		0.0	1.0					0.000		
105302	L1153005	692145	92145		1.0	2.0					0.500	1	U
105302	L1153005A	692145	92145		0.0	1.0					0.000		
105302	L1153006	692145	92145		2.0	4.0					0.500	1	U
105302	L1153007	692145	92145		4.0	6.0					0.500	1	U
105303	L1153008	692108	92140		1.0	2.0					0.500	1	U
105303	L1153008A	692108	92140		0.0	1.0					0.000		
105303	L1153009	692108	92140		2.0	4.0					0.500	1	U
105303	L1153010	692108	92140		4.0	6.0					0.500	1	U
106002	L1160006	691662	92877		0.0	1.0					0.000		
106002	L1160007	691662	92877		1.0	2.0					0.500	1	U
106002	L1160008	691662	92877		2.0	4.0					0.485	0.97	U
106002	L1160009	691662	92877		4.0	6.0					0.495	0.99	U
106003	L1160010	691680	92888		0.0	1.0					0.000		
106003	L1160011	691680	92888		1.0	2.0					0.495	0.99	U
106003	L1160012	691680	92888		2.0	4.0					0.485	0.97	U
106003	L1160013	691680	92888		4.0	6.0					0.490	0.98	U
106003	L1160014	691680	92888		4.0	6.0					0.500	1	U
106004	L1160015	691680	92900		0.0	1.0					0.000		
106004	L1160016	691680	92900		1.0	2.0					0.495	0.99	U
106004	L1160017	691680	92900		2.0	4.0					0.500	1	U
106004	L1160019	691680	92900		4.0	6.0					0.490	0.98	U
106101	L1161001	691947	93086		0.0	1.0					0.000		
106101	L1161002	691947	93086		1.0	2.0					0.500	1	U
106101	L1161003	691947	93086		2.0	4.0					0.500	1	U

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	RDX		
											Result	DL	VQ
106101	L1161004	691947	93086		4.0	6.0					0.500	1	U
106102	L1161005	691909	93057		0.0	1.0					0.000		
106102	L1161006	691909	93057		1.0	2.0					0.500	1	U
106102	L1161007	691909	93057		1.0	2.0					0.500	1	U
106102	L1161008	691909	93057		2.0	4.0					0.500	1	U
106102	L1161009	691909	93057		4.0	6.0					0.500	1	U
106104	L1161014	691956	93011		0.0	1.0					0.000		
106104	L1161015	691956	93011		1.0	2.0					0.500	1	U
106104	L1161016	691956	93011		2.0	4.0					0.500	1	U
106104	L1161017	691956	93011		4.0	6.0					0.500	1	U
106301	L1163009	692099	92970		0.0	1.0					0.000		
106301	L1163010	692099	92970		1.0	2.0					0.500	1	U
106301	L1163011	692099	92970		2.0	4.0					0.500	1	U
106301	L1163012	692099	92970		4.0	6.0					0.500	1	U
106302	L1163013	692094	92997		0.0	1.0					0.000		
106302	L1163015	692094	92997		2.0	4.0					0.500	1	U
106302	L1163016	692094	92997		4.0	6.0					0.500	1	U
106303	L1163017	692099	93024		0.0	1.0					0.000		
106303	L1163018	692099	93024		1.0	2.0					0.500	1	U
106303	L1163019	692099	93024		2.0	4.0					0.500	1	U
106303	L1163020	692099	93024		4.0	6.0					0.500	1	U
106304	L1163021	692101	93040		0.0	1.0					0.000		
106304	L1163022	692101	93040		1.0	2.0					0.500	1	U
106304	L1163023	692101	93040		2.0	4.0					0.500	1	U
106304	L1163024	692101	93040		4.0	6.0					0.500	1	U
106305	L1163025	692073	93131		0.0	1.0					0.000		
106305	L1163026	692073	93131		1.0	2.0					0.500	1	U
106305	L1163027	692073	93131		1.0	2.0					0.500	1	U
106305	L1163028	692073	93131		2.0	4.0					0.500	1	U
106305	L1163029	692073	93131		4.0	6.0					0.500	1	U
106306	L1163030	692055	93147		0.0	1.0					0.000		
106306	L1163031	692055	93147		1.0	2.0					0.500	1	U
106306	L1163032	692055	93147		2.0	4.0					0.500	1	U
106306	L1163033	692055	93147		4.0	6.0					0.500	1	U
106307	L1163034	692088	93113		0.0	1.0					0.000		
106307	L1163035	692088	93113		1.0	2.0					0.500	1	U
106307	L1163036	692088	93113		2.0	4.0					0.500	1	U
106307	L1163037	692088	93113		4.0	6.0					0.500	1	U
106308	L1163038	692094	93102		0.0	1.0					0.000		
106308	L1163039	692094	93102		1.0	2.0					0.500	1	U

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	RDX		
											Result	DL	VQ
106308	L1163040	692094	93102		2.0	4.0					0.500	1	U
106308	L1163041	692094	93102		4.0	6.0					0.500	1	U
106401	L1164001	692022	93174		0.0	1.0					0.000		
106401	L1164002	692022	93174		1.0	2.0					0.500	1	U
106401	L1164003	692022	93174		2.0	4.0					0.500	1	U
106401	L1164004	692022	93174		4.0	6.0					0.500	1	U
106401	L1164018	692022	93174		0.0	1.0					0.000		
106402	L1164005	692011	93185		0.0	1.0					0.000		
106402	L1164006	692011	93185		4.0	6.0					0.500	1	U
106402	L1164007	692011	93185		2.0	4.0					0.500	1	U
106402	L1164008	692011	93185		4.0	6.0					0.500	1	U
106403	L1164009	692000	93195		0.0	1.0					0.000		
106403	L1164010	692000	93195		1.0	2.0					0.500	1	U
106403	L1164011	692000	93195		2.0	4.0					0.500	1	U
106403	L1164012	692000	93195		4.0	6.0					0.500	1	U
106403	L1164013	692000	93195		4.0	6.0					0.500	1	U
106404	L1164014	691970	93215		2.0	4.0					0.000		
106404	L1164015	691970	93215		1.0	2.0					0.500	1	U
106404	L1164016	691970	93215		2.0	4.0					0.500	1	U
106404	L1164017	691970	93215		4.0	6.0					0.500	1	U
106501	L1165001	692089	92859		0.0	1.0					0.000		
106501	L1165002	692089	92859		1.0	2.0					0.500	1	U
106501	L1165003	692089	92859		2.0	4.0					0.500	1	U
106501	L1165004	692089	92859		4.0	6.0					0.500	1	U
106501	L1165005	692089	92859		4.0	6.0					0.500	1	U
106502	L1165006	692086	92848		0.0	1.0					0.000		
106502	L1165007	692086	92848		1.0	2.0					0.500	1	U
106502	L1165008	692086	92848		2.0	4.0					0.500	1	U
106502	L1165009	692086	92848		4.0	6.0					0.500	1	U
106503	L1165010	692175	92980		0.0	1.0					0.000		
106503	L1165011	692175	92980		1.0	2.0					0.500	1	U
106503	L1165012	692175	92980		2.0	4.0					0.500	1	U
106503	L1165013	692175	92980		4.0	6.0					0.500	1	U
106503	L1165030	692175	92980		1.0	2.0					0.500	1	U
106504	L1165014	692161	92912		0.0	1.0					0.000		
106504	L1165015	692161	92912		1.0	2.0					0.500	1	U
106504	L1165016	692161	92912		2.0	4.0					0.500	1	U
106504	L1165017	692161	92912		4.0	6.0					0.500	1	U
106505	L1165018	692194	92823		0.0	1.0					0.000		
106505	L1165019	692194	92823		1.0	2.0					0.500	1	U

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	RDX		
											Result	DL	VQ
106505	L1165020	692194	92823		2.0	4.0					0.500	1	U
106505	L1165021	692194	92823		4.0	6.0					0.500	1	U
106506	L1165022	692273	92884		0.0	1.0					0.000		
106506	L1165023	692273	92884		1.0	2.0					0.500	1	U
106506	L1165024	692273	92884		2.0	4.0					0.500	1	U
106506	L1165025	692273	92884		4.0	6.0					0.500	1	U
106507	L1165026	692267	92904		0.0	1.0					0.000		
106507	L1165027	692267	92904		1.0	2.0					0.500	1	U
106507	L1165028	692267	92904		2.0	4.0					0.500	1	U
106507	L1165029	692267	92904		4.0	6.0					0.500	1	U
106507	L1165031	692267	92904		0.0	1.0					0.000		
106601	L1166001	691723	92395		0.0	1.0					0.000		
106601	L1166002	691723	92395		1.0	2.0					0.500	1	U
106601	L1166003	691723	92395		2.0	4.0					0.500	1	U
106601	L1166004	691723	92395		4.0	6.0					0.500	1	U
106602	L1166007	691680	92381		0.0	1.0					0.000		
106602	L1166008	691680	92381		1.0	2.0					0.500	1	U
106602	L1166009	691680	92381		2.0	4.0					0.500	1	U
106602	L1166010	691680	92381		4.0	6.0					0.500	1	U
106701	L1167001	691949	93193		0.0	1.0					0.000		
106701	L1167002	691949	93193		1.0	2.0					0.500	1	U
106701	L1167003	691949	93193		2.0	4.0					0.500	1	U
106701	L1167004	691949	93193		4.0	6.0					0.500	1	U
106702	L1167005	691953	93162		0.0	1.0					0.000		
106702	L1167006	691953	93162		1.0	2.0					0.500	1	U
106702	L1167007	691953	93162		1.0	2.0					0.500	1	U
106702	L1167008	691953	93162		4.0	6.0					0.500	1	U
106703	L1167009	691973	93141		0.0	1.0					0.000		
106703	L1167010	691973	93141		1.0	2.0					0.500	1	U
106703	L1167011	691973	93141		2.0	4.0					0.500	1	U
106703	L1167012	691973	93141		4.0	6.0					0.500	1	U
107001	L1170001	691981	92458		0.0	1.0					0.000		
107001	L1170002	691981	92458		1.0	2.0					0.500	1	U
107001	L1170003	691981	92458		2.0	4.0					0.500	1	U
107001	L1170004	691981	92458		4.0	6.0					0.500	1	U
107002	L1170005	691961	92498		0.0	1.0					0.000		
107002	L1170006	691961	92498		1.0	2.0					0.500	1	U
107002	L1170007	691961	92498		2.0	4.0					0.084	1	
107002	L1170008	691961	92498		4.0	6.0					0.490	1	
107101	L1171001	691874	92664		0.0	1.0					0.000		

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	RDX		
											Result	DL	VQ
107101	L1171002	691874	92664		1.0	2.0					0.500	1	U
107101	L1171003	691874	92664		2.0	4.0					0.500	1	U
107101	L1171004	691874	92664		4.0	6.0					0.500	1	U
107201	L1172001	691875	92586		0.0	1.0					0.000		
107201	L1172002	691875	92586		1.0	2.0					0.500	1	U
107201	L1172003	691875	92586		2.0	4.0					0.500	1	U
107201	L1172004	691875	92586		4.0	6.0					0.500	1	U
107201	L1172005	691875	92586		4.0	6.0					0.500	1	U
107303	L1173009	691882	92517		0.0	1.0					0.000		
107303	L1173010	691882	92517		1.0	2.0					0.490	0.98	U
107303	L1173011	691882	92517		2.0	4.0					0.485	0.97	U
107303	L1173012	691882	92517		4.0	6.0					0.500	1	U
107304	L1173013	691895	92491		0.0	1.0					0.000		
107304	L1173014	691895	92491		1.0	2.0					0.500	1	U
107304	L1173015	691895	92491		2.0	4.0					0.500	1	U
107304	L1173016	691895	92491		4.0	6.0					0.500	1	U
107305	L1173017	691925	92475		0.0	1.0					0.000		
107305	L1173018	691925	92475		1.0	2.0					0.500	1	U
107305	L1173019	691925	92475		2.0	4.0					0.500	1	U
107305	L1173020	691925	92475		4.0	6.0					0.500	1	U
107401	L1174001	691962	92425		0.0	1.0					0.000		
107401	L1174002	691962	92425		1.0	2.0					0.500	1	U
107401	L1174003	691962	92425		2.0	4.0					0.500	1	U
107401	L1174004	691962	92425		4.0	6.0					0.500	1	U
107501	L1175001	691970	92319		0.0	1.0					0.000		
107501	L1175002	691970	92319		1.0	2.0					0.500	1	U
107501	L1175003	691970	92319		2.0	4.0					0.500	1	U
107501	L1175004	691970	92319		4.0	6.0					0.500	1	U
107601	L1176001	691995	92243		0.0	1.0					0.000		
107601	L1176002	691995	92243		1.0	2.0					0.500	1	U
107601	L1176003	691995	92243		1.0	2.0					0.500	1	U
107601	L1176004	691995	92243		2.0	4.0					0.500	1	U
107601	L1176005	691995	92243		4.0	6.0					0.500	1	U
107701	L1177001	691839	93355		0.0	1.0					0.000		
107701	L1177002	691839	93355		1.0	2.0					0.495	0.99	U
107701	L1177003	691839	93355		2.0	4.0					0.490	0.98	U
107701	L1177004	691839	93355		4.0	6.0					0.500	1	U
108501	L1185001	692145	93053		0.0	1.0					0.000		
108501	L1185002	692145	93053		1.0	2.0					0.500	1	U
108501	L1185003	692145	93053		2.0	4.0					0.500	1	U

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	RDX		
											Result	DL	VQ
108501	L1185004	692145	93053		4.0	6.0					0.500	1	U
108502	L1185005	692193	93114		0.0	1.0					0.000		
108502	L1185006	692193	93114		1.0	2.0					0.500	1	U
108502	L1185007	692193	93114		1.0	2.0					0.500	1	U
108502	L1185009	692193	93114		4.0	6.0					0.500	1	U
110001	L11100001	691889	92747		0.0	1.0					0.000		
110001	L11100002	691889	92747		1.0	2.0					0.500	1	U
110001	L11100003	691889	92747		2.0	4.0					0.500	1	U
110001	L11100004	691889	92747		2.0	4.0					0.480	0.96	U
110003	L11100009	691958	92733		4.0	6.0					0.500	1	U
110003	L11100010	691958	92733		0.0	1.0					0.000		
110003	L11100011	691958	92733		1.0	2.0					0.500	1	U
110003	L11100012	691958	92733		1.0	2.0					0.500	1	U
110003	L11100013	691958	92733		2.0	4.0					0.485	0.97	U
110003	L11100014	691958	92733		4.0	6.0					0.495	0.99	U
110021	L111002001	691703	92269		0.0	1.0					0.000		
110021	L111002002	691703	92269		0.0	1.0					0.000		
110021	L111002003	691703	92269		1.0	2.0					0.500	1	U
110021	L111002004	691703	92269		2.0	4.0					0.500	1	U
110021	L111002005	691703	92269		4.0	6.0					0.500	1	U
110021	L111002006	691703	92269		4.0	6.0					0.500	1	U
112421	L11124001	691974	93402		1.0	2.0					0.500	1	U
112421	L11124002	691974	93402		2.0	4.0					0.500	1	U
112421	L11124003	691974	93402		4.0	6.0					0.500	1	U
112422	L11124004	691977	93392		1.0	2.0					0.500	1	U
112422	L11124005	691977	93392		2.0	4.0					0.500	1	U
112422	L11124006	691977	93392		4.0	6.0					0.500	1	U
112423	L11124007	691956	93454		1.0	2.0					0.500	1	U
112423	L11124008	691956	93454		2.0	4.0					0.500	1	U
112423	L11124009	691956	93454		4.0	6.0					0.500	1	U
112901	L11129001	691933	93378		1.0	2.0					0.500	1	U
112901	L11129002	691933	93378		2.0	4.0					0.500	1	U
112901	L11129003	691933	93378		4.0	6.0					0.500	1	U
112902	L11129004	691961	93373		1.0	2.0					0.000		
112902	L11129005	691961	93373		2.0	4.0					0.000		
112902	L11129006	691961	93373		2.0	4.0					0.000		
112903	L11129007	691939	93367		1.0	2.0					0.500	1	U
112903	L11129008	691939	93367		2.0	4.0					0.500	1	U
112903	L11129009	691939	93367		4.0	6.0					0.500	1	U
115201	L11152001	691670	93440		1.0	2.0					0.000		

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	RDX		
											Result	DL	VQ
115201	L11152002	691670	93440		2.0	4.0					0.000		
115202	L11152003	691677	93430		1.0	2.0					0.000		
115202	L11152004	691677	93430		2.0	4.0					0.000		
115203	L11152005	691655	93409		1.0	2.0					0.000		
115203	L11152006	691655	93409		2.0	4.0					0.000		
115204	L11152007	691646	93444		1.0	2.0					0.000		
115204	L11152008	691646	93444		2.0	4.0					0.000		
115205	L11152009	691681	93484		1.0	2.0					0.000		
115205	L11152009DL	691681	93484		1.0	2.0					0.000		
115205	L11152011	691681	93484		2.0	4.0					0.000		
115206	L11152012	691648	93431		1.0	2.0					0.000		
115206	L11152013	691648	93431		2.0	4.0					0.000		
115207	L11152014	691651	93420		1.0	2.0					0.000		
115207	L11152015	691651	93420		2.0	4.0					0.000		
115501	L11155001	691829	92890		0.0	1.0					0.000		
115501	L11155002	691829	92890		1.0	2.0					0.500	1	U
115501	L11155003	691829	92890		2.0	4.0					0.490	0.98	U
115501	L11155004	691829	92890		4.0	6.0					0.500	1	U
115501	L11155005	691829	92890		4.0	6.0					0.485	0.97	U
115502	L11155006	691921	92626		0.0	1.0					0.000		
115502	L11155007	691921	92626		1.0	2.0					0.500	1	U
115502	L11155008	691921	92626		2.0	4.0					0.500	1	U
115502	L11155009	691921	92626		4.0	6.0					0.500	1	U
115503	L11155010	692016	92333		0.0	1.0					0.000		
115503	L11155011	692016	92333		1.0	2.0					0.495	0.99	U
115503	L11155012	692016	92333		2.0	4.0					0.495	0.99	U
116901	L11169001	691798	92297		0.0	1.0					0.000		
116901	L11169002	691798	92297		1.0	2.0					0.000		
116902	L1169003	691703	93210		0.0	1.0					0.000		
116902	L1169004	691703	93210		1.0	2.0					0.000		
116903	L11169005	691920	92946		0.0	1.0					0.000		
116903	L11169006	691920	92946		1.0	2.0					0.000		
116904	L11169007	691946	92866		0.0	1.0					0.000		
116904	L11169008	691946	92866		1.0	2.0					0.000		
116905	L11169009	692120	92125		0.0	1.0					0.000		
116905	L11169010	692120	92125		1.0	2.0					0.000		
116906	L11169011	692028	92646		1.0	2.0					0.000		
116907	L11169013	692114	92355		0.0	1.0					0.000		
116907	L11169014	692114	92355		1.0	2.0					0.000		
116908	L11169016	692066	92273		0.0	1.0					0.000		

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	RDX		
											Result	DL	VQ
116908	L11169017	692066	92273		1.0	2.0					0.000		
116909	L11169018	691757	92233		0.0	1.0					0.000		
116909	L11169019	691757	92233		1.0	2.0					0.000		
116910	L11169020	691979	93373		0.0	1.0					0.000		
116910	L11169021	691979	93373		1.0	2.0					0.000		
116911	L11169022	691769	93328		0.0	1.0					0.000		
116911	L11169023	691769	93328		1.0	2.0					0.000		
116912	L11169024	691863	93415		0.0	1.0					0.000		
116912	L11169025	691863	93415		1.0	2.0					0.000		
116913	L11169026	691701	92898		0.0	1.0					0.000		
116913	L11169027	691701	92898		1.0	2.0					0.000		
116914	L11169028	691725	93411		0.0	1.0					0.000		
116914	L11169028DL	691725	93411		0.0	1.0					0.000		
116914	L11169029	691725	93411		1.0	2.0					0.000		
116914	L11169029DL	691725	93411		1.0	2.0					0.000		
116915	L11169030	691883	93355		0.0	1.0					0.000		
116915	L11169031	691883	93355		0.0	1.0					0.000		
116916	L11169032	692204	93063		0.0	1.0					0.000		
116916	L11169033	692204	93063		0.0	1.0					0.000		
116916	L11169034	692204	93063		1.0	2.0					0.000		
116917	L11169035	691698	92263		0.0	1.0					0.000		
116917	L11169036	691698	92263		1.0	2.0					0.000		
116918	L11169037	691949	93168		0.0	1.0					0.000		
116918	L11169038	691949	93168		1.0	2.0					0.000		
116919	L11169039	692104	92656		0.0	1.0					0.000		
116919	L11169040	692104	92656		1.0	2.0					0.000		
116920	L11169041	691813	92098		0.0	1.0					0.000		
116920	L11169042	691813	92098		1.0	2.0					0.000		
116920	L11169043	691813	92098		1.0	2.0					0.000		
116921	L11169044	692141	92572		0.0	1.0					0.000		
116921	L11169045	692141	92572		1.0	2.0					0.000		
116922	L11169046	692089	92779		0.0	1.0					0.000		
116922	L11169047	692089	92779		1.0	2.0					0.000		
116925	L11169052	691675	93311		0.0	1.0					0.000		
116925	L11169053	691675	93311		1.0	2.0					0.000		
160302	L1163014	692094	92997		1.0	2.0					0.500	1	U
163701	L1163001	691731	92351		0.0	1.0					0.000		
163701	L1163002	691731	92351		1.0	2.0					0.500	1	U
163701	L1163003	691731	92351		2.0	4.0					0.000		
163701	L1163004	691731	92351		4.0	6.0					0.500	1	U

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	RDX		
											Result	DL	VQ
163702	L1163005	691759	92309		0.0	1.0					0.000		
163702	L1163006	691759	92309		1.0	2.0					0.500	1	U
163702	L1163007	691759	92309		2.0	4.0					0.500	1	U
163702	L1163008	691759	92309		4.0	6.0					0.500	1	U
10DD01	L110DD001	691669	93262		0.0	1.0					0.000		
10DD01	L110DD002	691669	93262		1.0	2.0					0.500	1	U
10DD01	L110DD003	691669	93262		2.0	4.0					0.495	0.99	U
10DD01	L110DD004	691669	93262		4.0	6.0					0.500	1	U
10DD02	L110DD005	691641	93234		0.0	1.0					0.000		
10DD02	L110DD006	691641	93234		1.0	2.0					0.500	1	U
10DD02	L110DD007	691641	93234		2.0	4.0					0.500	1	U
10DD02	L110DD008	691641	93234		4.0	6.0					0.480	0.96	U
10DD03	L110DD009	691565	93119		0.0	1.0					0.000		
10DD03	L110DD010	691565	93119		1.0	2.0					0.495	0.99	U
10DD03	L110DD011	691565	93119		2.0	4.0					0.500	1	U
10DD03	L110DD012	691565	93119		4.0	6.0					0.495	0.99	U
10DD04	L110DD013	691508	93081		0.0	1.0					0.000		
10DD04	L110DD014	691508	93081		1.0	2.0					0.500	1	U
10DD04	L110DD015	691508	93081		2.0	4.0					0.490	0.98	U
10DD04	L110DD016	691508	93081		2.0	4.0					0.480	0.96	U
10DD04	L110DD017	691508	93081		4.0	6.0					0.500	1	U
10DD05	L110DD018	691525	93099		0.0	1.0					0.000		
10DD05	L110DD019	691525	93099		1.0	2.0					0.495	0.99	U
10DD07	L110DD026	691660	93153		0.0	1.0					0.000		
10DD07	L110DD027	691660	93153		1.0	2.0					0.490	0.98	U
10DD07	L110DD028	691660	93153		2.0	4.0					0.490	0.98	U
10DD07	L110DD029	691660	93153		4.0	6.0					0.495	0.99	U
10DD09	L110DD034	691861	92762		0.0	1.0					0.000		
10DD09	L110DD035	691861	92762		1.0	2.0					0.140	1	
10DD09	L110DD036	691861	92762		2.0	4.0					0.580	0.99	
10DD09	L110DD037	691861	92762		4.0	6.0					0.750	0.99	
10DD10	L110DD038	691839	92768		0.0	1.0					0.000		
10DD10	L110DD039	691839	92768		0.0	1.0					0.000		
10DD10	L110DD040	691839	92768		1.0	2.0					0.500	1	U
10DD10	L110DD041	691839	92768		2.0	4.0					0.500	1	U
10DD10	L110DD042	691839	92768		4.0	6.0					0.495	0.99	U
10DD11	L110DD043	691762	92784		0.0	1.0					0.000		
10DD11	L110DD044	691762	92784		1.0	2.0					0.500	1	U
10DD11	L110DD045	691762	92784		1.0	2.0					0.500	1	U
10DD11	L110DD046	691762	92784		2.0	4.0					0.500	1	U

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	RDX		
											Result	DL	VQ
10DD11	L110DD047	691762	92784		4.0	6.0					0.500	1	U
10DD12	L110DD048	691726	92790		0.0	1.0					0.000		
10DD12	L110DD049	691726	92790		1.0	2.0					0.485	0.97	U
10DD12	L110DD050	691726	92790		2.0	4.0					0.480	0.96	U
10DD12	L110DD051	691726	92790		4.0	6.0					0.480	0.96	U
10DD13	L110DD052	691627	92701		0.0	1.0					0.000		
10DD13	L110DD053	691627	92701		1.0	2.0					0.500	1	U
10DD13	L110DD054	691627	92701		2.0	4.0					0.500	1	U
10DD13	L110DD055	691627	92701		4.0	6.0					0.500	1	U
10DD14	L110DD056	691617	92673		0.0	1.0					0.000		
10DD14	L110DD057	691617	92673		1.0	2.0					0.500	1	U
10DD14	L110DD058	691617	92673		2.0	4.0					0.500	1	U
10DD14	L110DD059	691617	92673		4.0	6.0					0.500	1	U
10DD15	L110DD060	691625	92545		0.0	1.0					0.000		
10DD15	L110DD061	691625	92545		1.0	2.0					0.500	1	U
10DD15	L110DD062	691625	92545		2.0	4.0					0.500	1	U
10DD15	L110DD063	691625	92545		4.0	6.0					0.500	1	U
10DD16	L110DD065	691588	92546		1.0	2.0					0.500	1	U
10DD16	L110DD066	691588	92546		2.0	4.0					0.500	1	U
10DD16	L110DD067	691588	92546		4.0	6.0					0.500	1	U
10DD17	L110DD069	691547	92435		1.0	2.0					0.500	1	U
10DD17	L110DD070	691547	92435		2.0	4.0					0.500	1	U
10DD17	L110DD071	691547	92435		4.0	6.0					0.500	1	U
10DD17	L110DD072	691547	92435		4.0	6.0					0.500	1	U
10DD18	L110DD074	691582	92419		1.0	2.0					0.500	1	U
10DD18	L110DD075	691582	92419		2.0	4.0					0.500	1	U
10DD18	L110DD076	691582	92419		4.0	6.0					0.500	1	U
10DD19	L110DD077	691678	92547		0.0	1.0					0.000		
10DD19	L110DD078DL	691678	92547		1.0	2.0					0.000		
10DD19	L110DD079DL	691678	92547		2.0	4.0					0.000		
10DD20	L110DD081	691806	92511		0.0	1.0					0.000		
10DD20	L110DD082	691806	92511		1.0	2.0					0.500	1	U
10DD20	L110DD083	691806	92511		2.0	4.0					0.500	1	U
10DD20	L110DD084	691806	92511		4.0	6.0					0.500	1	U
10DD21	L110DD085	691838	92504		0.0	1.0					0.000		
10DD21	L110DD086	691838	92504		1.0	2.0					0.500	1	U
10DD21	L110DD087	691838	92504		2.0	4.0					0.500	1	U
10DD21	L110DD088	691838	92504		4.0	6.0					0.500	1	U
10DD22	L110DD089	691858	92111		0.0	1.0					0.000		
10DD22	L110DD090	691858	92111		1.0	2.0					0.500	1	U

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	RDX		
											Result	DL	VQ
10DD22	L110DD091	691858	92111		2.0	4.0					0.500	1	U
10DD22	L110DD092	691858	92111		4.0	6.0					0.500	1	U
10DD23	L110DD094	691798	92021		1.0	2.0					0.500	1	U
10DD23	L110DD095	691798	92021		2.0	4.0					0.500	1	U
10DD23	L110DD096	691798	92021		4.0	6.0					0.500	1	U
10DD25	L110DD102	691742	92808		2.0	4.0					0.000		
10DD25	L110DD103	691742	92808		1.0	2.0					0.500	1	U
10DD25	L110DD104	691742	92808		2.0	4.0					0.500	1	U
10DD25	L110DD105	691742	92808		4.0	6.0					0.500	1	U
10DD26	L110DD106	691759	92856		0.0	1.0					0.000		
10DD26	L110DD107	691759	92856		1.0	2.0					0.500	1	U
10DD26	L110DD108	691759	92856		2.0	4.0					0.500	1	U
10DD26	L110DD109	691759	92856		4.0	6.0					0.500	1	U
10DD27	L110DD110	691918	91943		0.0	1.0					0.000		
10DD27	L110DD111	691918	91943		1.0	2.0					0.500	1	U
10DD27	L110DD112	691918	91943		2.0	4.0					0.500	1	U
10DD27	L110DD113	691918	91943		4.0	6.0					0.500	1	U
10DD28	L110DD115	691840	91886		1.0	2.0					0.500	1	U
10DD28	L110DD116	691840	91886		2.0	4.0					0.500	1	U
10DD28	L110DD117	691840	91886		4.0	6.0					0.500	1	U
10DD29	L110DD131	691632	93305		0.0	1.0					0.000		
10DD29	L110DD132	691632	93305		1.0	2.0					0.500	1	U
10DD29	L110DD133	691632	93305		2.0	4.0					0.500	1	U
10DD29	L110DD134	691632	93305		4.0	6.0					0.500	1	U

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	RDX		
											Result	DL	VQ
L1-E46-C001	IAAP137907						EU4	F	46	west wall BC 4 and 5	0.12	0.25	J
L1-E46-C002	IAAP137908					west wall BC 6, 7 and 3				1.10	0.25	=	
L1-E46-C003	IAAP137909					floor BC 1, 9, 2, 3, 7, and 6				0.69	0.25	=	
L1-E46-C004	IAAP137910					south wall BC 2, 3, and 4				0.13	0.25	U	
L1-E46-C005	IAAP137911					floor BC 3, 4, 5, 6, and 7				0.21	0.25	J	
L1-E46-C006	IAAP137912					east wall BC 1, 9, and 2				0.11	0.25	J	
L1-E12-C001	IAAP112282						EU5	B	12	north wall BC 1 and 12	0.15	0.29	U
L1-E12-C004	IAAP112283					east wall BC 1 and 2				0.15	0.27	U	
L1-E12-C005	IAAP112284					south wall BC 2 and 3				0.14	0.29	U	
L1-E12-C006	IAAP112285					west wall BC 8, 9, and 10; 11 and 12				0.15	0.29	U	
L1-E12-C007	IAAP112286					floor of EXC				0.15	0.29	U	
L1-E14-C001	IAAP112292						EU5	D	14	north wall BC 1 and 8	0.15	0.31	U
L1-E14-C002	IAAP112293					east wall BC 1 and 2				0.16	0.32	U	
L1-E14-C004	IAAP112295					west wall BC 7 and 8				0.16	0.32	U	
L1-E14-C005	IAAP112296					floor of EXC				0.16	0.31	U	
L1-E15-C001	IAAP112297						EU5	E North	15	Wall BC 15, 1, & 2	0.16	0.29	U
L1-E15-C004	IAAP112298					Wall BC 2, 3, 4, 5, & 6				0.15	0.28	U	
L1-E15-C007	IAAP112301					Wall BC 9, 10, 11, 12, 13, 14, & 15				0.14	0.28	U	
L1-E15-C009	IAAP112303					Floor BC 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, & 15				0.14	0.3	U	
L1-E15-C012	IAAP113264					Wall BC 6, 7, 8, & 9				0.15	0.29	U	
L1-E15-C005	IAAP112299						EU5	E South	15	Wall BC 1, 2, 3, 4, 5, 6, and 7	0.29	0.29	J
L1-E15-C006	IAAP112300					Wall BC 7, 8, and 9				0.17	0.27	UJ	
L1-E15-C008	IAAP112302					Wall BC 9, 10, 11, and 12				0.14	0.3	UJ	
L1-E15-C010	IAAP112353					Wall BC 12, 13 and 1				0.15	0.3	UJ	
L1-E15-C017-P4	IAAP132502					Floor BC 1, 2, 3, 4, 5, 11, 12, and 13				0.15	0.25	U	
L1-E15-C021-P4	IAAP132648					Floor BC 5,6, 10 and 11				0.25	0.25	=	
L1-E15-C022-P4	IAAP132649					Floor BC 6, 7, 8, 9, and 10				1.70	0.25	=	
L1-E50-C001	IAAP138923					Wall BC 26, 27, 28, 29 and 30				0.75	0.25	U	
L1-E50-C002	IAAP138924					Wall BC 17, 18, 19, 20, and 21	0.13	0.25	U				
L1-E50-C003	IAAP138925					Wall BC 21, 22, 23, 24, 25, and 26	0.13	0.25	U				
L1-E50-C004	IAAP138926					Floor BC 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 48, and 49	0.25	0.25	J				
L1-E50-C005	IAAP138927					Wall BC 30, 31, 32, 33, 34, 35, and 36	0.23	0.25	=				
L1-E50-C007	IAAP138929					Wall BC 36, 37, 38, 39, 40, and 41	0.73	0.25	=				
L1-E50-C008	IAAP138930					Wall BC 8, 9, 10, 11, 12, 13, 14, 15, 16, and 17	0.83	0.25	=				
L1-E50-C009	IAAP138931					Floor BC 16, 17, 49, 48, 30, 31, 32, 33, 34, 35, 36, 37, 38, and 50	0.44	0.25	=				
L1-E50-C010	IAAP138932					Floor BC 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 50, 38, 39 40, 41, 46, and 47	0.64	0.25	=				
L1-E50-C011	IAAP139424					Wall BC 41, 42, 43, 44, and 45	0.81	0.25	J				
L1-E50-C012	IAAP139425					Wall BC 41 and 46	0.10	0.25	J				
L1-E50-C013	IAAP139426					Floor BC 41, 42, 43, 44, 45 and 46	0.05	0.25	U				
L1-E50-C016	IAAP139427					Wall BC 1, 2, 3, 4, 5, 6, 7, and 8	0.25	0.25	=				

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	RDX		
											Result	DL	VQ
L1-E17-C002	IAAP112310						EU5	G	17	east wall BC 8, 9, and 10	0.18	0.3	UJ
L1-E17-C011	IAAP131818					north wall BC 1, 2, and 3				0.15	0.25	U	
L1-E17-C009	IAAP131816					floor BC 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15 and 16				0.25	0.25	=	
L1-E17-C010	IAAP131817					floor BC 1, 2, 3, 4, 5, 16, and 17				0.40	0.25	U	
L1-E21-C001	IAAP112331						EU5	K	21	Wall BC 1 and 2	0.13	0.31	U
L1-E21-C002	IAAP112332					Wall BC 2 and 3				0.16	0.31	U	
L1-E21-C004	IAAP112334					Wall BC 1 and 23				0.16	0.3	U	
L1-E21-C005	IAAP112335					Floor BC 1, 2, 3, 24, and 23				0.30	0.35	=	
L1-E21-C010-P4	IAAP131855					Wall BC 4, 5, and 6				0.30	0.25	U	
L1-E21-C011-P4	IAAP131856					Wall BC 19, 20, 21, and 22				0.13	0.25	U	
L1-E21-C012-P4	IAAP131857					Floor BC 3, 4, 5, 6, 7, 8, 9, 18, 19, 20, 21, 22, 23, and 24				0.13	0.25	U	
L1-E1-C014	IAAP132640					Wall BC 9, 10, 11, and 12				0.25	0.25	=	
L1-E1-C015	IAAP132641					Wall BC 13, 14, 15, 16, 17, and 18				0.68	0.25	=	
L1-E21-C017	IAAP133121					Floor BC 9, 10, 11, 12, 13, 14, 15, 16, 17, and 18				0.25	0.25	=	
L1-E21-C020	IAAP133122					Floor BC 25, 26, 27, and 28				0.30	0.25	J	
L1-E21-C021	IAAP133123					Wall BC 26 and 27				0.04	0.25	U	
L1-E21-C022	IAAP133124					Wall BC 25 and 28				0.13	0.25	U	
L1-E21-C023	IAAP133125					Wall BC 27 and 28				0.25	0.25	J	
L1-E21-C024	IAAP133126					Wall BC 25 and 26				0.16	0.25	J	
L1-E55-C001	IAAP144023					Wall BC 1 and 13				0.04	0.25	J	
L1-E55-C004	IAAP144024					Wall BC 7 and 8	0.06	0.25	U				
L1-E55-C005	IAAP144025					Wall BC 6 and 7	0.13	0.25	U				
L1-E55-C006	IAAP144026					Floor BC 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, and 13	0.13	0.25	U				
L1-E55-C007	IAAP144027					Ramp BC 4, 5, 22 and 23	0.13	0.25	U				
L1-E55-C008	IAAP144028					Wall BC 19, 20, and 21 & BC 25 and 26	0.25	0.25	J				
L1-E55-C009	IAAP144029					Wall BC 14, 15, 27 and 28 & BC 1 and 2	0.12	0.25	J				
L1-E55-C010	IAAP144030					Wall BC 15 and 26	0.15	0.25	=				
L1-E55-C011	IAAP144031					Floor BC 14, 15, 26, 25, 16, 24, 17, 20, 21, 19, and 18	1.10	0.25	=				
L1-E56-C001	IAAP143936					Wall BC 1, 6, & 5	0.26	0.25	U				
L1-E56-C002	IAAP143937					Wall BC 2, 3, & 4	0.13	0.25	U				
L1-E56-C003	IAAP143938					Wall BC 4 & 5	0.13	0.25	U				
L1-E56-C004	IAAP143939					Floor BC 1, 2, 3, 4, 5, & 6	0.25	0.25	J				

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	RDX		
											Result	DL	VQ
L1-E57-C001	IAAP144578						EU5	P	57	Wall BC 16 & 17	0.09	0.25	J
L1-E57-C002	IAAP144579					Wall BC 1 & 17				0.19	0.25	=	
L1-E57-C003	IAAP144580					Wall BC 15 & 16				0.38	0.25	J	
L1-E57-C004	IAAP144581					Floor BC 1, 15, 16 & 17				0.16	0.25	=	
L1-E57-C005	IAAP144582					Wall BC 13, 14, & 15				0.58	0.25	=	
L1-E57-C006	IAAP144583					Wall BC 12 & 13				0.25	0.25	=	
L1-E57-C007	IAAP144584					Wall BC 9, 10, 11, & 12				0.40	0.25	U	
L1-E57-C010	IAAP144585					Wall BC 5, 6, 7, 8, & 9				0.13	0.25	U	
L1-E57-C011	IAAP144586					Wall BC 3 & 4				0.25	0.25	J	
L1-E57-C012	IAAP144587					Floor BC 1, 2, 3, 8, 9, 10, 11, 12,13, 14, &15				0.08	0.25	=	
L1-E57-C013-P2	IAAP144941					Floor BC 3, 4, 5, 6, 7, & 8				1.20	0.25	=	
L1-E57-C014	IAAP144589					Wall BC 2 & 3				0.40	0.25	=	
L1-E57-C015	IAAP144590					Wall BC 1 & 2				1.90	0.25	J	

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	RDX		
											Result	DL	VQ
L1-E58-C008	IAAP151730						EU5	Q	58	Wall BC 18, 19, & 20	0.08	0.25	J
L1-E58-C009	IAAP151731									Wall BC 16, 17, & 18	0.03	0.24	U
L1-E58-C010	IAAP151732									Wall BC 6, 7, 8, & 9	0.12	0.23	U
L1-E58-C011	IAAP151733									Wall BC 9, 10, 11, & 12	0.23	0.24	J
L1-E58-C013	IAAP151735									Wall BC 12 & 13	0.04	0.24	U
L1-E58-C014	IAAP151736									Floor BC 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 16, 17, 18, 19, & 20	0.12	0.24	U
L1-E58-C015	IAAP151737									Wall BC 15 & 16	0.12	0.23	U
L1-E58-C016	IAAP151738									Wall BC 13 & 14	0.12	0.23	U
L1-E58-C017	IAAP151739									Wall BC 14 & 15	0.12	0.22	U
L1-E58-C018	IAAP151740									Floor BC 13, 14, 15, & 16	0.11	0.22	U
L1-E58-C022-P2	IAAP165446									Floor 21, 22, 23, 36, 37, 38, 31, 32, 34, & 35	0.11	0.25	U
L1-E58-C023-P3	IAAP165496									Wall BC 25 & 26	0.25	0.25	J
L1-E58-C028	IAAP157270									Wall BC 33 & 63	0.11	0.25	J
L1-E58-C029	IAAP157271									Wall BC 32 & 63	0.11	0.24	=
L1-E58-C030-P4	IAAP166001									Floor BC 26, 27, 28, 29, 30, 31, & 38	0.46	0.25	=
L1-E58-C031-P3	IAAP165556									Wall BC 26, 27, & 28	0.32	0.25	J
L1-E58-C032	IAAP157274									Wall BC 61 & 62	0.11	0.24	U
L1-E58-C034	IAAP157278									Wall BC 21 & 22	0.24	0.23	J
L1-E58-C035-P2	IAAP165445									Wall BC 21, 35, & 34	0.14	0.25	J
L1-E58-C036	IAAP165451									Wall BC 29, 30, 31, & 32	0.07	0.25	=
L1-E58-C037	IAAP165495									Wall BC 22, 23, 24 & 25	0.60	0.25	U
L1-E58-C038	IAAP165497									Floor BC 23, 24, 25, 26, 37, & 36	0.25	0.25	=
L1-E58-C039	IAAP166000									Wall BC 28 & 29	0.31	0.25	J
L1-E58-C040	IAAP166002									Wall BC 45, 46, 47, & 48	0.08	0.25	=
L1-E58-C043	IAAP166003									Floor BC 40, 41, 42, 43, 44, 45, 46, 47, & 48	0.36	0.25	U
L1-E58-C044	IAAP166004									Wall BC 40, 41, 42, & 43	0.25	0.25	J
L1-E58-C045-P2	IAAP166379									Wall 55, 56, 57, 58, 59 & 60	0.06	0.25	U
L1-E58-C046-P3	IAAP167012									Floor 50, 51, 52, 53, 54, 55, 56, 57, 58, 59 & 60	0.25	0.25	=
L1-E58-C047	IAAP166009									Wall 50, 51, 52, 53, 54, & 55	0.17	0.25	U
L1-E58-C048	IAAP167013									Wall BC 52 & 53	0.13	0.25	U
L1-E58-C049	IAAP167014						Wall BC 55, 56, & 57	0.13	0.25	U			
L1-E58-C001	IAAP150654						EU5	Q North	58	Wall BC 1 & 2	0.25	0.25	J
L1-E58-C002	IAAP150655									Wall BC 3 & 4	0.11	0.25	U
L1-E58-C003	IAAP150657									Floor BC 1, 2, 3, & 4	0.25	0.25	=
L1-E58-C004	IAAP150658									Wall BC 2 & 3	0.24	0.25	U
L1-E58-C005	IAAP150656									Wall BC 1 & 4	0.25	0.25	J

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	RDX		
											Result	DL	VQ
L1-E23-C009	IAAP137935						EU6	A	23	north wall BC7, 8, 9, 10, 11, and 12	0.09	0.25	=
L1-E23-C010-P2	IAAP138635					south wall BC 1, 2, 3, and 4				2.20	0.25	=	
L1-E23-C011	IAAP137937					west wall BC 4, 5, 6, and 7				0.31	0.25	=	
L1-E23-C012	IAAP137938					floor of EXC				0.46	0.25	=	
L1-E47-C001	IAAP138781						EU6	B	47	floor of EXC	0.69	0.25	J
L1-E47-C002	IAAP138782					north wall BC 9, 10, 11, 12, and 1				0.05	0.25	U	
L1-E47-C003	IAAP138783					east wall BC 1, 2, and 3				0.13	0.25	U	
L1-E47-C004	IAAP138784					south wall BC 3, 4, 5, 6, and 7				0.13	0.25	U	
L1-E47-C005	IAAP138785					west wall BC 7, 8, and 9				0.13	0.25	U	
L1-E49-C001	IAAP138902						EU6	C	49	Floor BC 40, 41, 42, and 43	0.13	0.25	U
L1-E49-F001	IAAP138917					Wall BC 42 and 43				0.13	0.25	U	
L1-E49-C002	IAAP139501					Floor BC 36, 37, 38, and 39				0.25	0.25	J	
L1-E49-C003	IAAP139502					Wall BC 36 and 39				0.03	0.25	U	
L1-E49-C004	IAAP139828					Wall BC 31, 32, and 33				0.13	0.25	U	
L1-E49-C005-P2	IAAP140363					Wall BC 20, 22, 23, 24, 25, 26, 27, 30, and 31				0.25	0.25	=	
L1-E49-C006	IAAP139830					Wall BC 1, 2, 3, 4, 5, 6, 7, and 8				0.41	0.25	U	
L1-E49-C009	IAAP139831					Floor BC 1, 2, 3, 4, 5, 6, 7, 8, 29, 28, 27, 30, 31, 32, 33, 34, and 35				0.13	0.25	U	
L1-E49-C010-P2	IAAP140362					Floor BC 8, 9, 10, 11, 12, 21, 20, 22, 23, 24, 25, 26, 27, 28, and 29				0.25	0.25	=	
L1-E49-C011	IAAP139833					Wall BC 8, 9, 10, 11, and 12				0.29	0.25	J	
L1-E49-C012	IAAP139991					Wall BC 18, 19, and 20				0.21	0.25	J	
L1-E49-C013	IAAP139992					Wall BC 12, 13, 14, and 15				0.11	0.25	J	
L1-E49-C014	IAAP139993					Wall BC 15, 16, 17, and 18				0.06	0.25	=	
L1-E49-C015	IAAP139994					Floor BC 12, 13, 14, 15, 16, 17, 18, 19, 20, and 21				0.37	0.25	J	
L1-E51-C001	IAAP139117									EU6	D	51	Wall BC 1, 2, 3, and 4
L1-E51-C004	IAAP139118					Wall BC 4, 5, 6, and 7	0.13	0.25	U				
L1-E51-C005	IAAP139119					Wall BC 7, 8, and 9	0.13	0.25	U				
L1-E51-C006	IAAP139120					Wall BC 9, 10, and 1	0.13	0.25	U				
L1-E51-C007	IAAP139121					Floor BC 1, 2, 3, 4, 5, 6, 7, 8, 9, and 10	0.13	0.25	U				

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	RDX		
											Result	DL	VQ
L1-E24/25-C001	IAAP132628						EU7	A & B	24 & 25	Floor BC 20, 21, 22 & 23	0.25	0.25	=
L1-E24/25-C002	IAAP132629					Floor BC 13, 14, 15, 16, 17, 18, 19, 20, 23, & 24				0.93	0.25	=	
L1-E24/25-C003	IAAP132630					Floor BC 24, 26, 27, 28, 29, & 25				1.10	0.25	J	
L1-E24/25-C004	IAAP132631					Floor BC 11, 12, 13, 24, 25, & 29				0.10	0.25	J	
L1-E24/25-C005	IAAP132632					Floor BC 30, 53, 54, & 31				0.02	0.25	U	
L1-E24/25-C006	IAAP132633					Floor BC 8, 9, 10, 11, 29, 30, 31, & 32				0.25	0.25	J	
L1-E24/25-C009-P2	IAAP133094					Wall BC 17, 18, 19, & 20				0.04	0.25	J	
L1-E24/25-C010	IAAP132635					Wall BC 8, 9, 10, 11, 12, 13, 14, 15, 16, & 17				0.05	0.25	=	
L1-E24/25-C011	IAAP132636					Floor BC 1, 2, 3, 4, 5, 6, 44, 36, 37, 38, 39, 40, 41, 42, & 43				0.40	0.25	=	
L1-E24/25-C012	IAAP131881					Floor BC 6, 7, 8, 32, 33, 34, 46, 45, 36, & 44				0.25	0.25	=	
L1-E24/25-C013	IAAP131882					Wall BC 40, 41, 42, 43, & 1				0.32	0.25	J	
L1-E24/25-C014	IAAP131883					Wall BC 32 & 33				0.19	0.25	=	
L1-E24/25-C015	IAAP131884					Wall BC 2, 3, 4, 5, 6, 7, & 8				0.94	0.25	=	
L1-E24/25-C016-P2	IAAP133095					Wall BC 36, 37, 38, 39, & 40				0.42	0.25	J	
L1-E24/25-C017-P2	IAAP133096					Wall BC 33 & 34				0.08	0.25	U	
L1-E24/25-C018	IAAP140465					Wall BC 45, 36, 35, 52, & 51				0.25	0.25	=	
L1-E24/25-C021	IAAP140466					Wall BC 48 & 49				0.34	0.25	J	
L1-E24/25-C022	IAAP140467					Wall BC 46, 34, 47, & 48				0.10	0.25	=	
L1-E24/25-C023	IAAP140468					Wall BC 49, 50, & 51				1.00	0.25	J	
L1-E24/25-C024	IAAP140469					Floor BC 35, 34, 47, 48, 49, 50, 51, & 52				0.20	0.25	=	
L1-E24/25-C025-P2	IAAP141196					Floor BC 34, 35, 45, & 46				0.46	0.25	=	

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	RDX		
											Result	DL	VQ
L1-E24/25-CO26	IAAP151199						EU7	A & B North	24 & 25	Wall BC 24 & 25	0.46	0.23	=
L1-E24/25-CO27	IAAP151200					Wall BC 22, 23, & 24				1.00	0.24	J	
L1-E24/25-CO28	IAAP151201					Wall BC 25, 26, 27, & 28				0.15	0.25	J	
L1-E24/25-CO29	IAAP151202					Floor BC 22, 23 24, 25, 26, 27, & 28				0.09	0.25	=	
L1-E24/25-C031	IAAP151488					Floor BC 3, 4, 5, 10, 11 12 13, 14, & 15				0.40	0.25	J	
L1-E24/25-C032	IAAP151489					Wall BC 4 & 5				0.36	0.23	J	
L1-E24/25-C033	IAAP151490					Wall BC 20 & 21				0.06	0.24	UJ	
L1-E24/25-C034	IAAP151491					Wall BC 19 & 20				0.12	0.25	UJ	
L1-E24/25-C036	IAAP151493					Wall BC 17 & 18				0.25	0.25	J	
L1-E24/25-C037	IAAP151494					Wall BC 3 & 4				0.22	0.24	J	
L1-E24/25-C040	IAAP151495					Ramp BC 1, 2, 3, 15, & 16				0.46	0.25	J	
L1-E24/25-C041	IAAP151496					Wall BC 2 & 3				0.97	0.25	J	
L1-E24/25-C043	IAAP151498					Wall BC 12, 13, 14, & 15				0.55	0.24	J	
L1-E24/25-C044	IAAP151499					Wall BC 11 & 12				0.06	0.25	UJ	
L1-E24/25-C030-P2	IAAP151698					Floor BC 17, 18, 19, 20, & 21				0.25	0.25	J	
L1-E24/25-C035-P2	IAAP151697					Wall BC 18 & 19				0.10	0.25	U	
L1-E24/25-C042-P2	IAAP151699					Wall BC 1, 16 & 15				0.25	0.24	J	
L1-E24/25-C045	IAAP151700					Wall BC 8, 9, 10, & 11				0.10	0.24	U	
L1-E24/25-C046	IAAP151701					Ramp BC 5, 6, 7, 8, 9, & 10				0.24	0.24	=	
L1-E24/25-C049	IAAP151702					Wall BC 5 & 6				0.19	0.25	U	
L1-E24/25-C050	IAAP151703					Wall BC 6 & 7	0.13	0.25	U				
L1-E26-C001	IAAP112372					north wall BC 1 and 4	0.13	0.32	UJ				
L1-E26-C002	IAAP112373					east wall BC 1 and 2	0.16	0.33	UJ				
L1-E26-C003	IAAP112374					south wall BC 2 and 3	0.17	0.31	UJ				
L1-E26-C004	IAAP112375					west wall BC 3 and 4	0.16	0.32	UJ				
L1-E26-C005	IAAP112376					floor of EXC	0.16	0.34	UJ				
L1-E27-C001-P3	IAAP138933					Wall BC 18 and 19	0.34	0.25	J				
L1-E27-C003-P4	IAAP139431					Wall BC 5, 21, and 11 & Wall BC 6, 7, and 8	0.34	0.25	J				
L1-E27-C004-P3	IAAP138936					Wall BC 8, 9, 10, 11 and 12 & BC 13 and 14 & BC 17 and 18	0.14	0.25	=				
L1-E27-C005-P3	IAAP138937					Floor BC 11, 12, 13, 14, 15, 16, 17, 18, 19, and 21	0.15	0.25	=				
L1-E27-C009	IAAP138935					Wall BC 19 and 21	3.65	0.25	U				
L1-E27-C010-P2	IAAP139428					Wall BC 2, 3, 4, 5, and 6	0.50	0.25	=				
L1-E27-C011-P2	IAAP139429					Floor BC 3, 4, 5, 21, and 19	0.25	0.25	=				
L1-E27-C012	IAAP139430					Ramp BC 1, 2, 3, 19, and 20	0.28	0.25	=				
L1-E27-C013	IAAP139432					Floor BC 5, 6, 7, 8, 10, 11, and 21	0.81	0.25	=				
L1-E27-C014	IAAP139433					Wall BC 14, 15, 16, and 17	0.33	0.25	=				
L1-E27-C015	IAAP139434					Wall BC 12 and 13	0.18	0.25	U				
L1-E27-C016	IAAP140304					Boreholes west of steam line	0.25	0.25	U				

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	RDX		
											Result	DL	VQ
L1-E53-C001	IAAP139789						EU7	E	53	Wall BC 37, 38, 39, 40, 41, & 42	0.25	0.25	J
L1-E53-C002	IAAP139825									Wall BC 42 & 43	0.13	0.25	U
L1-E53-C003	IAAP139826									Wall BC 37, 53, 52, & 51	0.11	0.25	J
L1-E53-C004	IAAP139827									Floor BC 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, & 53	0.25	0.25	=
L1-E53-C005-P2	IAAP146016									Wall BC 2 & 3	0.10	0.25	J
L1-E53-C006	IAAP144924									Wall BC 3 & 4	1.10	0.25	J
L1-E53-C007	IAAP144925									Wall BC 4, 5, & 6	0.28	0.25	=
L1-E53-C008-P2	IAAP146017									Wall BC 6 & 7	0.17	0.25	=
L1-E53-C009-P2	IAAP146018									Wall BC 7, 8, & 9	6.40	0.25	=
L1-E53-C010	IAAP144928									Wall BC 9 & 10	12.00	0.25	=
L1-E53-C011	IAAP144929									Wall BC 10 & 11	2.70	0.25	=
L1-E53-C012	IAAP144930									Wall BC 11 & 12	6.00	0.25	U
L1-E53-C013	IAAP144931									Wall BC 13 & 14	0.39	0.25	=
L1-E53-C014	IAAP144932									Wall BC 14 & 15	0.25	0.25	=
L1-E53-C015	IAAP144933									Wall BC 17 & 18	5.80	0.25	=
L1-E53-C016	IAAP144934									Wall BC 18, 19, 20, & 21	2.30	0.25	=
L1-E53-C017	IAAP144935									Wall BC 21 & 22	1.10	0.25	=
L1-E53-C018-P2	IAAP146019									Wall BC 29, 30, 1, 2, 50 & 51	0.44	1.2	=
L1-E53-C019-P2	IAAP146020									Floor BC 16, 17, 18, 19, 20, & 36	2.00	0.25	=
L1-E53-C020	IAAP144938									Floor BC 9, 10, 11, 12, 13, 14, & 15	200.00	0.25	=
L1-E53-C023-P2	IAAP146021						Floor BC 1, 6, 7, 8, 9, 16, 36, 20, 21, 22, 29, & 30	1.30	0.25	=			
L1-E53-C024	IAAP144940						Floor BC 1, 2, 3, 4, 5, & 6	0.50	0.25	=			
L1-E53-C025	IAAP145144						Ramp BC 22, 23, 24, 25, 26, 27, 28, & 29	1.80	0.25	=			
L1-E53-C026	IAAP145145						Wall BC 22, 23, 24,& 25	1.10	0.25	=			
L1-E53-C027	IAAP145146						Wall BC 26, 27, 28, & 29	0.73	0.25	=			
L1-E53-C028-P2	IAAP146023						Wall BC 31 & 35	0.33	0.25	U			
L1-E53-C029-P2	IAAP146025						Wall BC 34 & 35	1.30	0.25	J			
L1-E53-C030-P2	IAAP146022						Floor BC 31, 32, 33, 34, & 35	0.25	0.25	=			
L1-E53-C031	IAAP146024						Wall BC 31, 32, & 33	0.12	0.25	=			
L1-E32-C005-P2	IAAP150228						EU9	B	32	Wall BC 5 & 6	0.65	0.25	=
L1-E32-C007-P2	IAAP150232									Floor BC 4, 5, 6, 7, 8,30, 31, & 23	0.39	0.25	=
L1-E32-C0011	IAAP150225									Floor BC 13, 14, 15, 16, 17, & 18	1.60	0.25	J
L1-E32-C0012	IAAP150226									Wall BC 16 & 17	2.80	0.25	J
L1-E32-C001-P3	IAAP150647									Ramp BC 1, 2, 3, 4, 23, 24, 25, 26, 27, 28, & 29	0.11	0.25	=
L1-E32-C006-P3	IAAP150651									Wall BC 22, 31, 23, 24, & 25	0.13	0.25	=
L1-E32-C008-P2	IAAP150650									Floor BC 8, 9, 10, 32, 11, 12, 13 18, 19, 20, 21, 22, 31, & 30	0.52	0.25	=
L1-E32-C013-P2	IAAP150653									Wall BC 32, 11, 12, 13, 14, 15, & 16	0.65	0.25	J
L1-E32-C014	IAAP150648									Wall BC 1, 2, 3, & 4	46.50	0.25	U
L1-E32-C015	IAAP150649									Wall BC 4 & 5	0.06	0.25	U
L1-E32-C016	IAAP150652						Wall BC 18, 19, 20, 21, & 22	0.25	0.25	=			

Table C-3a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	RDX				
											Result	DL	VQ		
L1-E33-C006	IAAP150233						EU9B	C	33	Wall BC 10, 11, & 12	0.25	0.25	J		
L1-E33-C007	IAAP150234											Wall BC 8, 9, & 10	3.70	0.25	J
L1-E33-C008	IAAP150235											Floor BC 9, 10, 11, 12, 13, 14, 15, 30, 16, 17, 18, & 22	0.06	0.25	U
L1-E33-C009	IAAP150236											Floor BC 7, 8, 9, 22, 18, 19, 20, & 21	0.06	0.25	U
L1-E33-C010	IAAP150237											Wall BC 30, 16, 17, & 18	0.25	0.25	J
L1-E32-C011-P2	IAAP150667											Wall BC 18, 19, 20, 26, 27, & 4	0.25	0.25	=
L1-E32-C012	IAAP150659											Floor BC 1, 2, 3, 4, 29, 5, & 6	0.15	0.25	=
L1-E32-C013	IAAP150660											Wall BC 1, 6, 5, & 29	0.38	0.25	J
L1-E32-C015	IAAP150662											Wall BC 4 & 29	0.64	0.25	J
L1-E32-C016	IAAP150663											Wall BC 3 & 23	0.20	0.25	=
L1-E32-C017	IAAP150664											Wall 24, 25, & 26	0.09	0.25	J
L1-E32-C018	IAAP150665											Wall 3, 28, & 27	1.00	0.25	=
L1-E32-C019	IAAP150666											Floor BC 3, 23, 24, 25, 26, 27, & 28	0.10	0.25	U
L1-E33-C020-P2	IAAP151144											Wall BC 8, 7, 24 & 23	0.13	0.25	U
L1-E33-C023	IAAP151197											Wall BC 2 & 3	0.13	0.24	U
L1-E33-C024	IAAP151198											Wall BC 1 & 2	0.25	0.24	=
L1-E52-C001	IAAP139785						EU9B	D	52	East Wall BC 6, 7, & 8	0.24	0.25	J		
L1-E52-C002	IAAP139786											South Wall BC 8, 9, 10, 11, 12, 13, & 14	0.76	0.25	J
L1-E52-C003	IAAP139787											West Wall BC 14, 15, 16, 17, & 18	0.09	0.25	J
L1-E52-C004	IAAP139788											Floor BC 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, & 22	0.14	0.25	J
L1-E59-C001	IAAP146026						EU9B	E	59	Floor BC 1, 2, 3, 4, 5, 6, 7, 8, 9, & 10	0.08	0.25	J		
L1-E59-C004	IAAP146027											Wall BC 7, 8, & 9	0.66	0.25	=
L1-E59-C005-P2	IAAP146245											Wall BC 6 & 7	0.11	0.25	J
L1-E59-C006	IAAP146029											Wall BC 5 & 6	0.32	0.25	U
L1-E59-C007	IAAP146030								Wall BC 10, 1, 2, 3, 4, & 5	0.10	0.25	J			
L1-E36-C001	IAAP112472						EU9D	A	36	NE wall BC 1 and 8	0.13	0.3	U		
L1-E36-C002	IAAP112473											SE wall BC 1 and 2; 3, 5, and 6	0.03	0.33	U
L1-E36-C003	IAAP112474											SW wall BC 2 and 3; 6a and 7	0.15	0.29	U
L1-E36-C004	IAAP112475											NW wall BC 7 and 8	0.17	0.29	U
L1-E36-C005	IAAP112476											floor of EXC	0.15	0.29	U
L1-E37-C001	IAAP112477						EU9D	B	37	NE wall BC 4, 5, 6, and 1	0.15	0.3	U		
L1-E37-C002	IAAP112478											SE wall BC 1 and 2	0.15	0.31	U
L1-E37-C003	IAAP112479											SW wall BC 2 and 3	0.15	0.3	U
L1-E37-C004	IAAP112480											NW wall BC 3 and 4	0.16	0.29	U
L1-E37-C005	IAAP112481											floor of EXC	0.15	0.31	U

Notes:

Field duplicates removed.

Maximums of dilution and parent results used.

VQ symbols indicate: “=” positive identification, positive quantitation, no reason to estimate, “U” non-detect, no reason to estimate, “J” positive identification, estimated quantitation, “UJ” analyte was not detected and had QC deficiencies.

Table C-3b. All Post-Remedy Soil Data for Select Polychlorinated Biphenyls Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Aroclor-1254			Aroclor-1260		
											Result	DL	VQ	Result	DL	VQ
IAAP103920	IAAP103920	691724.65	93410.82	06/05/07	0	1					0.020	0.04	U	3.400	0.16	=
IAAP103920	IAAP103990	691724.65	93410.82	06/05/07	1	2					0.021	0.041	U	0.084	0.041	=
IAAP105931	IAAP105931	691740.04	93415.36	10/15/07	0	0.5					0.021	0.041	U	0.021	0.041	U
IAAP111606	IAAP111606	691734.19	93407.76	09/25/08	0	0.5					0.018	0.036	U	0.170	0.036	=
IAAP111607	IAAP111607	691727.06	93429.67	09/25/08	0	0.5					0.880	0.034	=	0.360	0.034	=
IAAP96930	IAAP96930	691948.95	92884.97	10/26/06	0	0.5					0.018	0.036	U	0.240	0.036	=
IAAP96933	IAAP96933	691867.28	93412.92	11/15/06	0	0.5					0.021	0.042	U	0.021	0.042	U
IAAP96947	IAAP96947	691717.21	93427.81	11/14/06	0	0.5					0.018	0.035	U	0.031	0.035	J
IAAP96971	IAAP96971	692097.68	92776.72	11/15/06	0	0.5					0.021	0.042	U	0.021	0.042	U
IAAP96972	IAAP96972	692078.06	92722.05	11/15/06	0	0.5					0.019	0.037	U	0.019	0.037	U
IAAP96973	IAAP96973	692040.63	92633.52	11/13/06	0	0.5					0.018	0.036	U	0.018	0.036	U
IAAP96974	IAAP96974	692112.18	92358.23	11/13/06	0	0.5					0.020	0.039	U	0.020	0.039	U
IAAP96975	IAAP96975	692147.49	92576.36	11/13/06	0	0.5					0.021	0.041	U	0.021	0.041	U
IAAP96978	IAAP96978	691706.76	93404.96	11/14/06	0	0.5					0.021	0.042	U	0.034	0.042	=
IAAP96983	IAAP96983	691670.47	93334.86	11/14/06	0	0.5					0.022	0.043	U	0.061	0.043	=
IAAP96984	IAAP96984	691698.82	93223.63	11/14/06	0	0.5					0.022	0.043	U	0.110	0.043	J
IAAP96985	IAAP96985	691714.21	93222.53	11/14/06	0	0.5					0.021	0.042	U	1.800	0.42	=
IAAP96986	IAAP96986	691710.01	93190.28	11/14/06	0	0.5					0.022	0.044	U	0.130	0.044	=
IAAP98258	IAAP98258	691824	92092.00	12/20/06	0	0.5					0.021	0.042	U	0.021	0.042	U
100101	L1101001	691685	93330		0.0	1.0					0.000			0.000		
100101	L1101002	691685	93330		1.0	2.0					0.000			0.000		
100101	L1101003	691685	93330		2.0	4.0					0.000			0.000		
100101	L1101004	691685	93330		4.0	6.0					0.000			0.000		
100102	L1101005	691685	93369		0.0	1.0					0.000			0.000		
100102	L1101006	691685	93369		1.0	2.0					0.000			0.000		
100102	L1101007	691685	93369		2.0	4.0					0.000			0.000		
100102	L1101008	691685	93369		4.0	6.0					0.000			0.000		
100103	L1101009	691723	93308		0.0	1.0					0.000			0.000		
100103	L1101010	691723	93308		1.0	2.0					0.000			0.000		
100103	L1101011	691723	93308		2.0	4.0					0.000			0.000		
100103	L1101012	691723	93308		4.0	6.0					0.000			0.000		
100201	L1102001	691824	93116		1.0	2.0					0.000			0.000		
100201	L1102002	691824	93116		2.0	4.0					0.000			0.000		
100202	L1102003	691834	93110		1.0	2.0					0.000			0.000		
100202	L1102004	691834	93110		2.0	4.0					0.000			0.000		
100203	L1102005	691839	93129		1.0	2.0					0.000			0.000		
100203	L1102006	691839	93129		2.0	4.0					0.000			0.000		
100204	L1102007	691851	93109		1.0	2.0					0.000			0.000		
100204	L1102008	691851	93109		2.0	4.0					0.000			0.000		
100205	L1102009	691838	93090		1.0	2.0					0.000			0.000		
100205	L1102010	691838	93090		2.0	4.0					0.000			0.000		
100205	L1102011	691838	93090		2.0	4.0					0.000			0.000		

Table C-3b. All Post-Remedy Soil Data for Select Polychlorinated Biphenyls Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Aroclor-1254			Aroclor-1260		
											Result	DL	VQ	Result	DL	VQ
100206	L1102012	691842	93123		1.0	2.0					0.000			0.000		
100206	L1102013	691842	93123		2.0	4.0					0.000			0.000		
100302	L1103005	691754	93117		0.0	1.0					0.000			0.000		
100302	L1103006	691754	93117		1.0	2.0					0.000			0.000		
100302	L1103007	691754	93117		2.0	4.0					0.000			0.000		
100302	L1103008	691754	93117		4.0	6.0					0.000			0.000		
100303	L1103009	691803	93111		0.0	1.0					0.000			0.000		
100303	L1103010	691803	93111		1.0	2.0					0.000			0.000		
100303	L1103011	691803	93111		2.0	4.0					0.000			0.000		
100303	L1103012	691803	93111		4.0	6.0					0.000			0.000		
100304	L1103013	691776	93096		0.0	1.0					0.000			0.000		
100304	L1103014	691776	93096		1.0	2.0					0.000			0.000		
100304	L1103015	691776	93096		2.0	4.0					0.000			0.000		
100304	L1103016	691776	93096		2.0	4.0					0.000			0.000		
100304	L1103017	691776	93096		4.0	6.0					0.000			0.000		
100305	L1103018	692112	92187		0.0	1.0					0.000			0.000		
100305	L1103019	692112	92187		1.0	2.0					0.000			0.000		
100305	L1103020	692112	92187		2.0	4.0					0.000			0.000		
100305	L1103021	692112	92187		4.0	6.0					0.000			0.000		
100401	L1104001	691772	93135		0.0	1.0					0.000			0.000		
100401	L1104002	691772	93135		1.0	2.0					0.000			0.000		
100401	L1104003	691772	93135		2.0	4.0					0.000			0.000		
100401	L1104004	691772	93135		4.0	6.0					0.000			0.000		
100402	L1104005	691742	93216		0.0	1.0					0.000			0.000		
100402	L1104006	691742	93216		1.0	2.0					0.000			0.000		
100402	L1104007	691742	93216		2.0	4.0					0.000			0.000		
100402	L1104008	691742	93216		4.0	6.0					0.000			0.000		
100403	L1104009	691792	93152		0.0	1.0					0.000			0.000		
100403	L1104010	691792	93152		1.0	2.0					0.000			0.000		
100403	L1104011	691792	93152		2.0	4.0					0.000			0.000		
100403	L1104012	691792	93152		4.0	6.0					0.000			0.000		
100404	L1104013	691796	93140		0.0	1.0					0.000			0.000		
100404	L1104014	691796	93140		1.0	2.0					0.000			0.000		
100404	L1104015	691796	93140		2.0	4.0					0.000			0.000		
100404	L1104016	691796	93140		4.0	6.0					0.000			0.000		
100501	L1105001	691921	92838		0.0	1.0					0.000			0.000		
100501	L1105002	691921	92838		1.0	2.0					0.000			0.000		
100501	L1105003	691921	92838		2.0	4.0					0.000			0.000		
100501	L1105004	691921	92838		4.0	6.0					0.000			0.000		
100502	L1105005	691921	92844		0.0	1.0					0.000			0.000		
100502	L1105006	691921	92844		1.0	2.0					0.000			0.000		

Table C-3b. All Post-Remedy Soil Data for Select Polychlorinated Biphenyls Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Aroclor-1254			Aroclor-1260		
											Result	DL	VQ	Result	DL	VQ
100502	L1105007	691921	92844		1.0	2.0					0.000			0.000		
100502	L1105008	691921	92844		2.0	4.0					0.000			0.000		
100502	L1105009	691921	92844		4.0	6.0					0.000			0.000		
100503	L1105010	691915	92797		0.0	1.0					0.000			0.000		
100503	L1105011	691915	92797		1.0	2.0					0.000			0.000		
100503	L1105012	691915	92797		2.0	4.0					0.000			0.000		
100503	L1105013	691915	92797		4.0	6.0					0.000			0.000		
100504	L1105014	691932	92802		0.0	1.0					0.000			0.000		
100504	L1105015	691932	92802		1.0	2.0					0.000			0.000		
100504	L1105016	691932	92802		2.0	4.0					0.000			0.000		
100504	L1105017	691932	92802		4.0	6.0					0.000			0.000		
100505	L1105018	691911	92799		0.0	1.0					0.000			0.000		
100505	L1105019	691911	92799		1.0	2.0					0.000			0.000		
100505	L1105020	691911	92799		2.0	4.0					0.000			0.000		
100505	L1105021	691911	92799		4.0	6.0					0.000			0.000		
100506	L1105022	691896	92792		1.0	2.0					0.000			0.000		
100506	L1105023	691896	92792		2.0	4.0					0.000			0.000		
100506	L1105024	691896	92792		4.0	6.0					0.000			0.000		
100509	L1105035	691899	92831		0.0	1.0					0.000			0.000		
100509	L1105036	691899	92831		1.0	2.0					0.000			0.000		
100509	L1105037	691899	92831		2.0	4.0					0.000			0.000		
100509	L1105038	691899	92831		4.0	6.0					0.000			0.000		
100510	L1105055	691886	92945		0.0	1.0					0.000			0.000		
100510	L1105056	691886	92945		1.0	2.0					0.000			0.000		
100510	L1105057	691886	92945		2.0	4.0					0.000			0.000		
100510	L1105058	691886	92945		4.0	6.0					0.000			0.000		
100511	L1105059	691877	92995		1.0	2.0					0.000			0.000		
100511	L1105060	691877	92995		2.0	4.0					0.000			0.000		
100511	L1105061	691877	92995		2.0	4.0					0.000			0.000		
100511	L1105062	691877	92995		4.0	6.0					0.000			0.000		
100512	L1105063	691842	92972		1.0	2.0					0.000			0.000		
100512	L1105064	691842	92972		2.0	4.0					0.000			0.000		
100512	L1105065	691842	92972		4.0	6.0					0.000			0.000		
100513	L1105066	691845	92995		1.0	2.0					0.000			0.000		
100513	L1105067	691845	92995		2.0	4.0					0.000			0.000		
100513	L1105068	691845	92995		2.0	4.0					0.000			0.000		
100514	L1105069	691849	92986		1.0	2.0					0.000			0.000		
100514	L1105070	691849	92986		2.0	4.0					0.000			0.000		
100514	L1105071	691849	92986		4.0	5.0					0.000			0.000		
100517	L1105079	691867	93001		0.0	1.0					0.000			0.000		
100517	L1105080	691867	93001		1.0	2.0					0.000			0.000		

Table C-3b. All Post-Remedy Soil Data for Select Polychlorinated Biphenyls Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Aroclor-1254			Aroclor-1260		
											Result	DL	VQ	Result	DL	VQ
100517	L1105081	691867	93001		2.0	4.0					0.000			0.000		
100517	L1105082	691867	93001		4.0	6.0					0.000			0.000		
100519	L1105088	691864	92940		0.0	1.0					0.000			0.000		
100519	L1105089	691864	92940		1.0	2.0					0.000			0.000		
100519	L1105090	691864	92940		2.0	4.0					0.000			0.000		
100519	L1105091	691864	92940		4.0	6.0					0.000			0.000		
100521	L1105096	691911	92849		0.0	1.0					0.000			0.000		
100521	L1105097	691911	92849		1.0	2.0					0.000			0.000		
100521	L1105098	691911	92849		2.0	4.0					0.000			0.000		
100521	L1105099	691911	92849		4.0	6.0					0.000			0.000		
100601	L1106001	691750	92646		0.0	1.0					0.000			0.000		
100601	L1106002	691750	92646		1.0	2.0					0.000			0.000		
100601	L1106003	691750	92646		2.0	4.0					0.000			0.000		
100601	L1106004	691750	92646		2.0	4.0					0.000			0.000		
100601	L1106005	691750	92646		4.0	6.0					0.000			0.000		
100602	L1106006	691739	92639		0.0	1.0					0.000			0.000		
100602	L1106007	691739	92639		1.0	2.0					0.000			0.000		
100602	L1106008	691739	92639		2.0	4.0					0.000			0.000		
100602	L1106009	691739	92639		4.0	6.0					0.000			0.000		
100603	L1106010	691621	93000		0.0	1.0					0.000			0.000		
100603	L1106011	691621	93000		1.0	2.0					0.000			0.000		
100603	L1106012	691621	93000		2.0	4.0					0.000			0.000		
100603	L1106013	691621	93000		4.0	6.0					0.000			0.000		
100604	L1106014	691632	93007		0.0	1.0					0.000			0.000		
100604	L1106015	691632	93007		1.0	2.0					0.000			0.000		
100604	L1106016	691632	93007		2.0	4.0					0.000			0.000		
100604	L1106017	691632	93007		4.0	6.0					0.000			0.000		
100701	L1107001	692002	92830		0.0	1.0					0.000			0.000		
100701	L1107002	692002	92830		1.0	2.0					0.000			0.000		
100701	L1107003	692002	92830		2.0	4.0					0.000			0.000		
100702	L1107005	692023	92845		0.0	1.0					0.000			0.000		
100702	L1107006	692023	92845		1.0	2.0					0.000			0.000		
100702	L1107007	692023	92845		2.0	4.0					0.000			0.000		
100702	L1107008	692023	92845		4.0	6.0					0.000			0.000		
100703	L1107009	692034	92800		0.0	1.0					0.000			0.000		
100703	L1107010	692034	92800		1.0	2.0					0.000			0.000		
100703	L1107011	692034	92800		2.0	4.0					0.000			0.000		
100703	L1107012	692034	92800		4.0	6.0					0.000			0.000		
100801	L1108001	691700	92779		0.0	1.0					0.000			0.000		
100801	L1108002	691700	92779		1.0	2.0					0.000			0.000		
100801	L1108003	691700	92779		2.0	4.0					0.000			0.000		

Table C-3b. All Post-Remedy Soil Data for Select Polychlorinated Biphenyls Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Aroclor-1254			Aroclor-1260		
											Result	DL	VQ	Result	DL	VQ
100801	L1108004	691700	92779		2.0	4.0					0.000			0.000		
100801	L1108005	691700	92779		4.0	6.0					0.000			0.000		
100802	L1108006	691723	92706		0.0	1.0					0.000			0.000		
100802	L1108006A	691723	92706		0.0	1.0					0.000			0.000		
100802	L1108007	691723	92706		1.0	2.0					0.000			0.000		
100802	L1108007A	691723	92706		1.0	2.0					0.000			0.000		
100802	L1108008	691723	92706		2.0	4.0					0.000			0.000		
100802	L1108008A	691723	92706		2.0	4.0					0.000			0.000		
100802	L1108009	691723	92706		4.0	6.0					0.000			0.000		
100802	L1108009A	691723	92706		4.0	6.0					0.000			0.000		
100803	L1108010	691715	92725		0.0	1.0					0.000			0.000		
100803	L1108011	691715	92725		1.0	2.0					0.000			0.000		
100803	L1108012	691715	92725		2.0	4.0					0.000			0.000		
100803	L1108013	691715	92725		4.0	6.0					0.000			0.000		
100805	L1108018	691709	92730		0.0	1.0					0.000			0.000		
100805	L1108019	691709	92730		1.0	2.0					0.000			0.000		
100805	L1108020	691709	92730		2.0	4.0					0.000			0.000		
100805	L1108021	691709	92730		4.0	6.0					0.000			0.000		
101001	L1110001	691959	92688		0.0	1.0					0.000			0.000		
101001	L1110002	691959	92688		1.0	2.0					0.000			0.000		
101001	L1110003	691959	92688		2.0	4.0					0.000			0.000		
101001	L1110004	691959	92688		4.0	6.0					0.000			0.000		
101004	L1110016	691978	92653		0.0	1.0					0.000			0.000		
101004	L1110017	691978	92653		1.0	2.0					0.000			0.000		
101004	L1110018	691978	92653		2.0	4.0					0.000			0.000		
101004	L1110019	691978	92653		4.0	6.0					0.000			0.000		
101005	L1110037	691993	92609		0.0	1.0					0.000			0.000		
101005	L1110038	691993	92609		1.0	2.0					0.000			0.000		
101005	L1110039	691993	92609		2.0	4.0					0.000			0.000		
101005	L1110040	691993	92609		4.0	6.0					0.000			0.000		
101006	L1110025	691952	92623		0.0	1.0					0.000			0.000		
101006	L1110026	691952	92623		1.0	2.0					0.000			0.000		
101006	L1110027	691952	92623		2.0	4.0					0.000			0.000		
101006	L1110028	691952	92623		4.0	5.0					0.000			0.000		
101007	L1110029	691971	92576		0.0	1.0					0.000			0.000		
101007	L1110030	691971	92576		1.0	2.0					0.000			0.000		
101008	L1110033	691999	92585		0.0	1.0					0.000			0.000		
101008	L1110034	691999	92585		1.0	2.0					0.000			0.000		
101008	L1110035	691999	92585		2.0	4.0					0.000			0.000		
101008	L1110036	691999	92585		4.0	6.0					0.000			0.000		
101009	L1110021	691999	92618		0.0	1.0					0.000			0.000		

Table C-3b. All Post-Remedy Soil Data for Select Polychlorinated Biphenyls Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Aroclor-1254			Aroclor-1260		
											Result	DL	VQ	Result	DL	VQ
101009	L1110022	691999	92618		1.0	2.0					0.000			0.000		
101009	L1110023	691999	92618		2.0	4.0					0.000			0.000		
101009	L1110024	691999	92618		4.0	6.0					0.000			0.000		
101101	L1111001	691809	93287		0.0	1.0					0.000			0.000		
101101	L1111002	691809	93287		1.0	2.0					0.000			0.000		
101101	L1111003	691809	93287		2.0	4.0					0.000			0.000		
101101	L1111004	691809	93287		4.0	6.0					0.000			0.000		
101102	L1111005	691832	93269		0.0	1.0					0.020	0.039	U	0.060	0.039	
101102	L1111006	691832	93269		2.0	4.0					0.022	0.044	U	0.022	0.044	U
101103	L1111007	691812	93314		0.0	1.0					0.000			0.000		
101103	L1111008	691812	93314		1.0	2.0					0.000			0.000		
101103	L1111009	691812	93314		2.0	4.0					0.000			0.000		
101103	L1111010	691812	93314		4.0	6.0					0.000			0.000		
101104	L1111011	691845	93331		0.0	1.0					0.000			0.000		
101104	L1111012	691845	93331		1.0	2.0					0.000			0.000		
101104	L1111013	691845	93331		2.0	4.0					0.000			0.000		
101104	L1111014	691845	93331		4.0	6.0					0.000			0.000		
101105	L1111015	691894	93311		0.0	1.0					0.000			0.000		
101105	L1111016	691894	93311		1.0	2.0					0.000			0.000		
101105	L1111017	691894	93311		2.0	4.0					0.000			0.000		
101105	L1111018	691894	93311		4.0	6.0					0.000			0.000		
101106	L1111019	691911	93281		0.0	1.0					0.000			0.000		
101106	L1111020	691911	93281		1.0	2.0					0.000			0.000		
101106	L1111022	691911	93281		2.0	4.0					0.000			0.000		
101106	L1111023	691911	93281		4.0	6.0					0.000			0.000		
101107	L1111024	691838	93244		0.0	1.0					0.000			0.000		
101107	L1111025	691838	93244		1.0	2.0					0.000			0.000		
101107	L1111026	691838	93244		2.0	4.0					0.000			0.000		
101107	L1111027	691838	93244		4.0	6.0					0.000			0.000		
101201	L1112001	692036	92381		1.0	2.0					0.000			0.000		
101201	L1112001A	692036	92381		0.0	1.0					0.000			0.000		
101201	L1112002	692036	92381		1.0	2.0					0.000			0.000		
101201	L1112003	692036	92381		2.0	4.0					0.000			0.000		
101201	L1112004	692036	92381		4.0	6.0					0.000			0.000		
101204	L1112011A	692080	92344		0.0	1.0					0.000			0.000		
101204	L1112012	692080	92344		2.0	4.0					0.000			0.000		
101204	L1112013	692080	92344		4.0	6.0					0.000			0.000		
101205	L1112014	692105	92261		1.0	2.0					0.000			0.000		
101205	L1112014A	692105	92261		0.0	1.0					0.000			0.000		
101205	L1112015	692105	92261		2.0	4.0					0.000			0.000		
101205	L1112016	692105	92261		4.0	6.0					0.000			0.000		

Table C-3b. All Post-Remedy Soil Data for Select Polychlorinated Biphenyls Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Aroclor-1254			Aroclor-1260		
											Result	DL	VQ	Result	DL	VQ
101206	L1112017	692086	92238		1.0	2.0					0.000			0.000		
101206	L1112017A	692086	92238		0.0	1.0					0.000			0.000		
101206	L1112018	692086	92238		2.0	4.0					0.000			0.000		
101206	L1112019	692086	92238		4.0	6.0					0.000			0.000		
101207	L1112020	692050	92340		1.0	2.0					0.000			0.000		
101207	L1112020A	692050	92340		0.0	1.0					0.000			0.000		
101207	L1112021	692050	92340		2.0	4.0					0.000			0.000		
101207	L1112022	692050	92340		4.0	6.0					0.000			0.000		
101208	L1112023	692041	92462		0.0	1.0					0.000			0.000		
101208	L1112024	692041	92462		1.0	2.0					0.000			0.000		
101208	L1112025	692041	92462		1.0	2.0					0.000			0.000		
101208	L1112026	692041	92462		2.0	4.0					0.000			0.000		
101208	L1112027	692041	92462		4.0	6.0					0.000			0.000		
101209	L1112028	692063	92389		0.0	1.0					0.000			0.000		
101209	L1112029	692063	92389		1.0	2.0					0.000			0.000		
101209	L1112030	692063	92389		2.0	4.0					0.000			0.000		
101209	L1112031	692063	92389		4.0	6.0					0.000			0.000		
101210	L1112033	692085	92323		1.0	2.0					0.000			0.000		
101210	L1112034	692085	92323		2.0	4.0					0.000			0.000		
101210	L1112036	692085	92323		4.0	6.0					0.000			0.000		
101210	L111232	692085	92323		0.0	1.0					0.000			0.000		
101211	L1112037	692098	92292		0.0	1.0					0.000			0.000		
101211	L1112038	692098	92292		1.0	2.0					0.000			0.000		
101211	L1112039	692098	92292		2.0	4.0					0.000			0.000		
101211	L1112040	692098	92292		4.0	6.0					0.000			0.000		
101212	L1112041	692076	92256		0.0	1.0					0.000			0.000		
101212	L1112042	692076	92256		1.0	2.0					0.000			0.000		
101212	L1112043	692076	92256		2.0	4.0					0.000			0.000		
101212	L1112044	692076	92256		4.0	6.0					0.000			0.000		
101213	L1112045	692055	92294		0.0	1.0					0.000			0.000		
101213	L1112046	692055	92294		1.0	2.0					0.000			0.000		
101213	L1112047	692055	92294		2.0	4.0					0.000			0.000		
101213	L1112048	692055	92294		2.0	4.0					0.000			0.000		
101213	L1112049	692055	92294		4.0	6.0					0.000			0.000		
101301	L1113001	691873	92319		0.0	1.0					0.000			0.000		
101301	L1113002	691873	92319		1.0	2.0					0.000			0.000		
101301	L1113003	691873	92319		2.0	4.0					0.000			0.000		
101301	L1113004	691873	92319		4.0	6.0					0.000			0.000		
101302	L1113006	691868	92338		0.0	1.0					0.000			0.000		
101302	L1113007	691868	92338		1.0	2.0					0.000			0.000		
101302	L1113008	691868	92338		2.0	4.0					0.000			0.000		

Table C-3b. All Post-Remedy Soil Data for Select Polychlorinated Biphenyls Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Aroclor-1254			Aroclor-1260		
											Result	DL	VQ	Result	DL	VQ
101302	L1113009	691868	92338		4.0	6.0					0.000			0.000		
101303	L1113010	691845	92407		0.0	1.0					0.000			0.000		
101303	L1113011	691845	92407		1.0	2.0					0.000			0.000		
101303	L1113012	691845	92407		2.0	4.0					0.000			0.000		
101303	L1113013	691845	92407		4.0	6.0					0.000			0.000		
101304	L1113014	691870	92409		2.0	4.0					0.000			0.000		
101304	L1113015	691870	92409		1.0	2.0					0.000			0.000		
101304	L1113016	691870	92409		2.0	4.0					0.000			0.000		
101304	L1113017	691870	92409		4.0	6.0					0.000			0.000		
101305	L1113018	691882	92387		0.0	1.0					0.000			0.000		
101305	L1113019	691882	92387		1.0	2.0					0.000			0.000		
101305	L1113020	691882	92387		2.0	4.0					0.000			0.000		
101305	L1113021	691882	92387		4.0	6.0					0.000			0.000		
101306	L1113024	691889	94486		1.0	2.0					0.000			0.000		
101307	L1113023	691900	92319		1.0	2.0					0.000			0.000		
101307	L1113027	691900	92319		0.0	1.0					0.000			0.000		
101307	L1113028	691900	92319		1.0	2.0					0.000			0.000		
101308	L11130035	691875	92309		4.0	6.0					0.000			0.000		
101308	L1113031	691875	92309		0.0	1.0					0.000			0.000		
101308	L1113032	691875	92309		1.0	2.0					0.000			0.000		
101308	L1113033	691875	92309		2.0	4.0					0.000			0.000		
101308	L1113034	691875	92309		2.0	4.0					0.000			0.000		
101309	L1113036	691881	92297		0.0	1.0					0.000			0.000		
101309	L1113037	691881	92297		1.0	2.0					0.000			0.000		
101309	L1113038	691881	92297		2.0	4.0					0.000			0.000		
101309	L1113039	691881	92297		4.0	6.0					0.000			0.000		
101401	L1114001	691797	92489		0.0	1.0					0.000			0.000		
101401	L1114002	691797	92489		1.0	2.0					0.000			0.000		
101401	L1114003	691797	92489		2.0	4.0					0.000			0.000		
101401	L1114004	691797	92489		4.0	6.0					0.000			0.000		
101402	L1114005	691814	92487		0.0	1.0					0.000			0.000		
101402	L1114006	691814	92487		1.0	2.0					0.000			0.000		
101402	L1114007	691814	92487		2.0	4.0					0.000			0.000		
101402	L1114008	691814	92487		4.0	6.0					0.000			0.000		
101501	L1115001	691936	92124		0.0	1.0					0.000			0.000		
101501	L1115002	691936	92124		1.0	2.0					0.000			0.000		
101501	L1115003	691936	92124		2.0	4.0					0.000			0.000		
101501	L1115004	691936	92124		4.0	6.0					0.000			0.000		
101502	L1115005	691916	92117		0.0	1.0					0.000			0.000		
101502	L1115006	691916	92117		1.0	2.0					0.000			0.000		
101502	L1115007	691916	92117		2.0	4.0					0.000			0.000		

Table C-3b. All Post-Remedy Soil Data for Select Polychlorinated Biphenyls Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Aroclor-1254			Aroclor-1260		
											Result	DL	VQ	Result	DL	VQ
101502	L1115008	691916	92117		4.0	6.0					0.000			0.000		
101503	L1115009	691925	92088		0.0	1.0					0.000			0.000		
101503	L1115010	691925	92088		1.0	2.0					0.000			0.000		
101503	L1115011	691925	92088		2.0	4.0					0.000			0.000		
101503	L1115012	691925	92088		4.0	6.0					0.000			0.000		
101504	L1115014	691931	92075		0.0	1.0					0.000			0.000		
101504	L1115015	691931	92075		1.0	2.0					0.000			0.000		
101504	L1115016	691931	92075		2.0	4.0					0.000			0.000		
101504	L1115017	691931	92075		4.0	6.0					0.000			0.000		
101505	L1115018	691943	92106		0.0	1.0					0.000			0.000		
101505	L1115019	691943	92106		1.0	2.0					0.000			0.000		
101505	L1115020	691943	92106		2.0	4.0					0.000			0.000		
101505	L1115021	691943	92106		4.0	6.0					0.000			0.000		
101506	L1115022	691950	92080		0.0	1.0					0.000			0.000		
101506	L1115023	691950	92080		1.0	2.0					0.000			0.000		
101506	L1115024	691950	92080		2.0	4.0					0.000			0.000		
101506	L1115025	691950	92080		4.0	6.0					0.000			0.000		
101601	L1116001	692018	92532		1.0	2.0					0.022	0.043	U	0.022	0.043	U
101602	L1116002	692025	92510		1.0	2.0					0.000			0.000		
101604	L1116005	692012	92535		1.0	2.0					0.000			0.000		
101605	L1116006	692003	92526		1.0	2.0					0.000			0.000		
101605	L1116007	692003	92526		1.0	2.0					0.000			0.000		
101901	L1119001	691756	92245		0.0	1.0					0.000			0.000		
101901	L1119002	691756	92245		1.0	2.0					0.000			0.000		
101901	L1119003	691756	92245		2.0	4.0					0.000			0.000		
101901	L1119004	691756	92245		4.0	6.0					0.000			0.000		
101902	L1119005	691701	92291		0.0	1.0					0.000			0.000		
101902	L1119006	691701	92291		1.0	2.0					0.000			0.000		
101902	L1119007	691701	92291		2.0	4.0					0.000			0.000		
101902	L1119008	691701	92291		4.0	6.0					0.000			0.000		
101903	L1119011	691682	92349		0.0	1.0					0.000			0.000		
101903	L1119012	691682	92349		1.0	2.0					0.000			0.000		
101903	L1119013	691682	92349		2.0	4.0					0.000			0.000		
101903	L1119014	691682	92349		4.0	6.0					0.000			0.000		
101904	L1119015	691752	92256		0.0	1.0					0.000			0.000		
101904	L1119016	691752	92256		1.0	2.0					0.000			0.000		
101904	L1119017	691752	92256		2.0	4.0					0.000			0.000		
101904	L1119018	691752	92256		4.0	6.0					0.000			0.000		
101905	L1119019	691756	92280		0.0	1.0					0.000			0.000		
101905	L1119020	691756	92280		1.0	2.0					0.000			0.000		
101905	L1119021	691756	92280		2.0	4.0					0.000			0.000		

Table C-3b. All Post-Remedy Soil Data for Select Polychlorinated Biphenyls Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Aroclor-1254			Aroclor-1260		
											Result	DL	VQ	Result	DL	VQ
101905	L1119022	691756	92280		4.0	6.0					0.000			0.000		
103601	L1136001	691816	93159		0.0	1.0					0.000			0.000		
103601	L1136002	691816	93159		1.0	2.0					0.000			0.000		
103601	L1136003	691816	93159		2.0	4.0					0.000			0.000		
103602	L1136004	691819	93152		0.0	1.0					0.000			0.000		
103602	L1136005	691819	93152		1.0	2.0					0.000			0.000		
103602	L1136006	691819	93152		2.0	4.0					0.000			0.000		
103603	L1136007	691811	93151		0.0	1.0					0.000			0.000		
103603	L1136008	691811	93151		1.0	2.0					0.000			0.000		
103603	L1136009	691811	93151		2.0	4.0					0.000			0.000		
104001	L1140001	691989	92970		0.0	1.0					0.000			0.000		
104001	L1140002	691989	92970		1.0	2.0					0.000			0.000		
104001	L1140003	691989	92970		2.0	4.0					0.000			0.000		
104001	L1140004	691989	92970		4.0	6.0					0.000			0.000		
104002	L1140005	691966	92968		0.0	1.0					0.000			0.000		
104002	L1140007	691966	92968		1.0	2.0					0.000			0.000		
104002	L1140008	691966	92968		2.0	4.0					0.000			0.000		
104002	L1140009	691966	92968		4.0	6.0					0.000			0.000		
104003	L1140010	692020	92953		0.0	1.0					0.000			0.000		
104003	L1140011	692020	92953		0.0	1.0					0.000			0.000		
104003	L1140013	692020	92953		2.0	4.0					0.000			0.000		
104003	L1140014	692020	92953		4.0	6.0					0.000			0.000		
104004	L1140015	691950	92925		0.0	1.0					0.000			0.000		
104004	L1140016	691950	92925		1.0	2.0					0.000			0.000		
104004	L1140017	691950	92925		2.0	4.0					0.000			0.000		
104004	L1140018	691950	92925		4.0	6.0					0.000			0.000		
104005	L1140006	692034	92912		2.0	4.0					0.000			0.000		
104005	L1140020	692034	92912		0.0	1.0					0.000			0.000		
104005	L1140021	692034	92912		1.0	2.0					0.000			0.000		
104005	L1140022	692034	92912		2.0	4.0					0.000			0.000		
104005	L1140023	692034	92912		4.0	6.0					0.000			0.000		
104006	L1140024	692023	92873		0.0	1.0					0.000			0.000		
104006	L1140025	692023	92873		1.0	2.0					0.000			0.000		
104006	L1140026	692023	92873		2.0	4.0					0.000			0.000		
104006	L1140027	692023	92873		4.0	6.0					0.000			0.000		
104007	L1140028	691983	92874		0.0	1.0					0.000			0.000		
104007	L1140029	691983	92874		1.0	2.0					0.000			0.000		
104007	L1140030	691983	92874		2.0	4.0					0.000			0.000		
105001	L1150001	691709	92844		1.0	2.0					0.000			0.000		
105001	L1150002	691709	92844		2.0	4.0					0.000			0.000		
105001	L1150003	691709	92844		4.0	6.0					0.000			0.000		

Table C-3b. All Post-Remedy Soil Data for Select Polychlorinated Biphenyls Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Aroclor-1254			Aroclor-1260		
											Result	DL	VQ	Result	DL	VQ
105003	L1150007	691689	92828		0.0	1.0					0.000			0.000		
105003	L1150008	691689	92828		1.0	2.0					0.000			0.000		
105003	L1150009	691689	92828		2.0	4.0					0.000			0.000		
105003	L1150010	691689	92828		4.0	6.0					0.000			0.000		
105004	L1150011	691716	92826		0.0	1.0					0.000			0.000		
105004	L1150012	691716	92826		1.0	2.0					0.000			0.000		
105004	L1150013	691716	92826		2.0	4.0					0.000			0.000		
105004	L1150014	691716	92826		4.0	6.0					0.000			0.000		
105301	L1153001	692136	92161		1.0	2.0					0.000			0.000		
105301	L1153001A	692136	92161		0.0	1.0					0.000			0.000		
105301	L1153003	692136	92161		2.0	4.0					0.000			0.000		
105301	L1153004	692136	92161		4.0	6.0					0.000			0.000		
105302	L1153002	692145	92145		0.0	1.0					0.000			0.000		
105302	L1153005	692145	92145		1.0	2.0					0.000			0.000		
105302	L1153005A	692145	92145		0.0	1.0					0.000			0.000		
105302	L1153006	692145	92145		2.0	4.0					0.000			0.000		
105302	L1153007	692145	92145		4.0	6.0					0.000			0.000		
105303	L1153008	692108	92140		1.0	2.0					0.000			0.000		
105303	L1153008A	692108	92140		0.0	1.0					0.000			0.000		
105303	L1153009	692108	92140		2.0	4.0					0.000			0.000		
105303	L1153010	692108	92140		4.0	6.0					0.000			0.000		
106002	L1160006	691662	92877		0.0	1.0					0.000			0.000		
106002	L1160007	691662	92877		1.0	2.0					0.000			0.000		
106002	L1160008	691662	92877		2.0	4.0					0.000			0.000		
106002	L1160009	691662	92877		4.0	6.0					0.000			0.000		
106003	L1160010	691680	92888		0.0	1.0					0.000			0.000		
106003	L1160011	691680	92888		1.0	2.0					0.000			0.000		
106003	L1160012	691680	92888		2.0	4.0					0.000			0.000		
106003	L1160013	691680	92888		4.0	6.0					0.000			0.000		
106003	L1160014	691680	92888		4.0	6.0					0.000			0.000		
106004	L1160015	691680	92900		0.0	1.0					0.000			0.000		
106004	L1160016	691680	92900		1.0	2.0					0.000			0.000		
106004	L1160017	691680	92900		2.0	4.0					0.000			0.000		
106004	L1160019	691680	92900		4.0	6.0					0.000			0.000		
106101	L1161001	691947	93086		0.0	1.0					0.000			0.000		
106101	L1161002	691947	93086		1.0	2.0					0.000			0.000		
106101	L1161003	691947	93086		2.0	4.0					0.000			0.000		
106101	L1161004	691947	93086		4.0	6.0					0.000			0.000		
106102	L1161005	691909	93057		0.0	1.0					0.000			0.000		
106102	L1161006	691909	93057		1.0	2.0					0.000			0.000		
106102	L1161007	691909	93057		1.0	2.0					0.000			0.000		

Table C-3b. All Post-Remedy Soil Data for Select Polychlorinated Biphenyls Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Aroclor-1254			Aroclor-1260		
											Result	DL	VQ	Result	DL	VQ
106102	L1161008	691909	93057		2.0	4.0					0.000			0.000		
106102	L1161009	691909	93057		4.0	6.0					0.000			0.000		
106104	L1161014	691956	93011		0.0	1.0					0.000			0.000		
106104	L1161015	691956	93011		1.0	2.0					0.000			0.000		
106104	L1161016	691956	93011		2.0	4.0					0.000			0.000		
106104	L1161017	691956	93011		4.0	6.0					0.000			0.000		
106301	L1163009	692099	92970		0.0	1.0					0.000			0.000		
106301	L1163010	692099	92970		1.0	2.0					0.000			0.000		
106301	L1163011	692099	92970		2.0	4.0					0.000			0.000		
106301	L1163012	692099	92970		4.0	6.0					0.000			0.000		
106302	L1163013	692094	92997		0.0	1.0					0.000			0.000		
106302	L1163015	692094	92997		2.0	4.0					0.000			0.000		
106302	L1163016	692094	92997		4.0	6.0					0.000			0.000		
106303	L1163017	692099	93024		0.0	1.0					0.000			0.000		
106303	L1163018	692099	93024		1.0	2.0					0.000			0.000		
106303	L1163019	692099	93024		2.0	4.0					0.000			0.000		
106303	L1163020	692099	93024		4.0	6.0					0.000			0.000		
106304	L1163021	692101	93040		0.0	1.0					0.000			0.000		
106304	L1163022	692101	93040		1.0	2.0					0.000			0.000		
106304	L1163023	692101	93040		2.0	4.0					0.000			0.000		
106304	L1163024	692101	93040		4.0	6.0					0.000			0.000		
106305	L1163025	692073	93131		0.0	1.0					0.000			0.000		
106305	L1163026	692073	93131		1.0	2.0					0.000			0.000		
106305	L1163027	692073	93131		1.0	2.0					0.000			0.000		
106305	L1163028	692073	93131		2.0	4.0					0.000			0.000		
106305	L1163029	692073	93131		4.0	6.0					0.000			0.000		
106306	L1163030	692055	93147		0.0	1.0					0.000			0.000		
106306	L1163031	692055	93147		1.0	2.0					0.000			0.000		
106306	L1163032	692055	93147		2.0	4.0					0.000			0.000		
106306	L1163033	692055	93147		4.0	6.0					0.000			0.000		
106307	L1163034	692088	93113		0.0	1.0					0.000			0.000		
106307	L1163035	692088	93113		1.0	2.0					0.000			0.000		
106307	L1163036	692088	93113		2.0	4.0					0.000			0.000		
106307	L1163037	692088	93113		4.0	6.0					0.000			0.000		
106308	L1163038	692094	93102		0.0	1.0					0.000			0.000		
106308	L1163039	692094	93102		1.0	2.0					0.000			0.000		
106308	L1163040	692094	93102		2.0	4.0					0.000			0.000		
106308	L1163041	692094	93102		4.0	6.0					0.000			0.000		
106401	L1164001	692022	93174		0.0	1.0					0.000			0.000		
106401	L1164002	692022	93174		1.0	2.0					0.000			0.000		
106401	L1164003	692022	93174		2.0	4.0					0.000			0.000		

Table C-3b. All Post-Remedy Soil Data for Select Polychlorinated Biphenyls Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Aroclor-1254			Aroclor-1260		
											Result	DL	VQ	Result	DL	VQ
106401	L1164004	692022	93174		4.0	6.0					0.000			0.000		
106401	L1164018	692022	93174		0.0	1.0					0.000			0.000		
106402	L1164005	692011	93185		0.0	1.0					0.000			0.000		
106402	L1164006	692011	93185		4.0	6.0					0.000			0.000		
106402	L1164007	692011	93185		2.0	4.0					0.000			0.000		
106402	L1164008	692011	93185		4.0	6.0					0.000			0.000		
106403	L1164009	692000	93195		0.0	1.0					0.000			0.000		
106403	L1164010	692000	93195		1.0	2.0					0.000			0.000		
106403	L1164011	692000	93195		2.0	4.0					0.000			0.000		
106403	L1164012	692000	93195		4.0	6.0					0.000			0.000		
106403	L1164013	692000	93195		4.0	6.0					0.000			0.000		
106404	L1164014	691970	93215		2.0	4.0					0.000			0.000		
106404	L1164015	691970	93215		1.0	2.0					0.000			0.000		
106404	L1164016	691970	93215		2.0	4.0					0.000			0.000		
106404	L1164017	691970	93215		4.0	6.0					0.000			0.000		
106501	L1165001	692089	92859		0.0	1.0					0.000			0.000		
106501	L1165002	692089	92859		1.0	2.0					0.000			0.000		
106501	L1165003	692089	92859		2.0	4.0					0.000			0.000		
106501	L1165004	692089	92859		4.0	6.0					0.000			0.000		
106501	L1165005	692089	92859		4.0	6.0					0.000			0.000		
106502	L1165006	692086	92848		0.0	1.0					0.000			0.000		
106502	L1165007	692086	92848		1.0	2.0					0.000			0.000		
106502	L1165008	692086	92848		2.0	4.0					0.000			0.000		
106502	L1165009	692086	92848		4.0	6.0					0.000			0.000		
106503	L1165010	692175	92980		0.0	1.0					0.000			0.000		
106503	L1165011	692175	92980		1.0	2.0					0.000			0.000		
106503	L1165012	692175	92980		2.0	4.0					0.000			0.000		
106503	L1165013	692175	92980		4.0	6.0					0.000			0.000		
106503	L1165030	692175	92980		1.0	2.0					0.000			0.000		
106504	L1165014	692161	92912		0.0	1.0					0.000			0.000		
106504	L1165015	692161	92912		1.0	2.0					0.000			0.000		
106504	L1165016	692161	92912		2.0	4.0					0.000			0.000		
106504	L1165017	692161	92912		4.0	6.0					0.000			0.000		
106505	L1165018	692194	92823		0.0	1.0					0.000			0.000		
106505	L1165019	692194	92823		1.0	2.0					0.000			0.000		
106505	L1165020	692194	92823		2.0	4.0					0.000			0.000		
106505	L1165021	692194	92823		4.0	6.0					0.000			0.000		
106506	L1165022	692273	92884		0.0	1.0					0.000			0.000		
106506	L1165023	692273	92884		1.0	2.0					0.000			0.000		
106506	L1165024	692273	92884		2.0	4.0					0.000			0.000		
106506	L1165025	692273	92884		4.0	6.0					0.000			0.000		

Table C-3b. All Post-Remedy Soil Data for Select Polychlorinated Biphenyls Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Aroclor-1254			Aroclor-1260		
											Result	DL	VQ	Result	DL	VQ
106507	L1165026	692267	92904		0.0	1.0					0.000			0.000		
106507	L1165027	692267	92904		1.0	2.0					0.000			0.000		
106507	L1165028	692267	92904		2.0	4.0					0.000			0.000		
106507	L1165029	692267	92904		4.0	6.0					0.000			0.000		
106507	L1165031	692267	92904		0.0	1.0					0.000			0.000		
106601	L1166001	691723	92395		0.0	1.0					0.000			0.000		
106601	L1166002	691723	92395		1.0	2.0					0.000			0.000		
106601	L1166003	691723	92395		2.0	4.0					0.000			0.000		
106601	L1166004	691723	92395		4.0	6.0					0.000			0.000		
106602	L1166007	691680	92381		0.0	1.0					0.000			0.000		
106602	L1166008	691680	92381		1.0	2.0					0.000			0.000		
106602	L1166009	691680	92381		2.0	4.0					0.000			0.000		
106602	L1166010	691680	92381		4.0	6.0					0.000			0.000		
106701	L1167001	691949	93193		0.0	1.0					0.000			0.000		
106701	L1167002	691949	93193		1.0	2.0					0.000			0.000		
106701	L1167003	691949	93193		2.0	4.0					0.000			0.000		
106701	L1167004	691949	93193		4.0	6.0					0.000			0.000		
106702	L1167005	691953	93162		0.0	1.0					0.000			0.000		
106702	L1167006	691953	93162		1.0	2.0					0.000			0.000		
106702	L1167007	691953	93162		1.0	2.0					0.000			0.000		
106702	L1167008	691953	93162		4.0	6.0					0.000			0.000		
106703	L1167009	691973	93141		0.0	1.0					0.000			0.000		
106703	L1167010	691973	93141		1.0	2.0					0.000			0.000		
106703	L1167011	691973	93141		2.0	4.0					0.000			0.000		
106703	L1167012	691973	93141		4.0	6.0					0.000			0.000		
107001	L1170001	691981	92458		0.0	1.0					0.000			0.000		
107001	L1170002	691981	92458		1.0	2.0					0.000			0.000		
107001	L1170003	691981	92458		2.0	4.0					0.000			0.000		
107001	L1170004	691981	92458		4.0	6.0					0.000			0.000		
107002	L1170005	691961	92498		0.0	1.0					0.000			0.000		
107002	L1170006	691961	92498		1.0	2.0					0.000			0.000		
107002	L1170007	691961	92498		2.0	4.0					0.000			0.000		
107002	L1170008	691961	92498		4.0	6.0					0.000			0.000		
107004	L1170014	691976	92478		0.0	1.0					0.000			0.000		
107004	L1170015	691976	92478		1.0	2.0					0.000			0.000		
107004	L1170016	691976	92478		2.0	4.0					0.000			0.000		
107004	L1170017	691976	92478		4.0	6.0					0.000			0.000		
107101	L1171001	691874	92664		0.0	1.0					0.000			0.000		
107101	L1171002	691874	92664		1.0	2.0					0.000			0.000		
107101	L1171003	691874	92664		2.0	4.0					0.000			0.000		
107101	L1171004	691874	92664		4.0	6.0					0.000			0.000		

Table C-3b. All Post-Remedy Soil Data for Select Polychlorinated Biphenyls Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Aroclor-1254			Aroclor-1260		
											Result	DL	VQ	Result	DL	VQ
107201	L1172001	691875	92586		0.0	1.0					0.000			0.000		
107201	L1172002	691875	92586		1.0	2.0					0.000			0.000		
107201	L1172003	691875	92586		2.0	4.0					0.000			0.000		
107201	L1172004	691875	92586		4.0	6.0					0.000			0.000		
107201	L1172005	691875	92586		4.0	6.0					0.000			0.000		
107303	L1173009	691882	92517		0.0	1.0					0.000			0.000		
107303	L1173010	691882	92517		1.0	2.0					0.000			0.000		
107303	L1173011	691882	92517		2.0	4.0					0.000			0.000		
107303	L1173012	691882	92517		4.0	6.0					0.000			0.000		
107304	L1173013	691895	92491		0.0	1.0					0.000			0.000		
107304	L1173014	691895	92491		1.0	2.0					0.000			0.000		
107304	L1173015	691895	92491		2.0	4.0					0.000			0.000		
107304	L1173016	691895	92491		4.0	6.0					0.000			0.000		
107305	L1173017	691925	92475		0.0	1.0					0.000			0.000		
107305	L1173018	691925	92475		1.0	2.0					0.000			0.000		
107305	L1173019	691925	92475		2.0	4.0					0.000			0.000		
107305	L1173020	691925	92475		4.0	6.0					0.000			0.000		
107401	L1174001	691962	92425		0.0	1.0					0.000			0.000		
107401	L1174002	691962	92425		1.0	2.0					0.000			0.000		
107401	L1174003	691962	92425		2.0	4.0					0.000			0.000		
107401	L1174004	691962	92425		4.0	6.0					0.000			0.000		
107501	L1175001	691970	92319		0.0	1.0					0.000			0.000		
107501	L1175002	691970	92319		1.0	2.0					0.000			0.000		
107501	L1175003	691970	92319		2.0	4.0					0.000			0.000		
107501	L1175004	691970	92319		4.0	6.0					0.000			0.000		
107601	L1176001	691995	92243		0.0	1.0					0.000			0.000		
107601	L1176002	691995	92243		1.0	2.0					0.000			0.000		
107601	L1176003	691995	92243		1.0	2.0					0.000			0.000		
107601	L1176004	691995	92243		2.0	4.0					0.000			0.000		
107601	L1176005	691995	92243		4.0	6.0					0.000			0.000		
107701	L1177001	691839	93355		0.0	1.0					0.000			0.000		
107701	L1177002	691839	93355		1.0	2.0					0.000			0.000		
107701	L1177003	691839	93355		2.0	4.0					0.000			0.000		
107701	L1177004	691839	93355		4.0	6.0					0.000			0.000		
108501	L1185001	692145	93053		0.0	1.0					0.000			0.000		
108501	L1185002	692145	93053		1.0	2.0					0.000			0.000		
108501	L1185003	692145	93053		2.0	4.0					0.000			0.000		
108501	L1185004	692145	93053		4.0	6.0					0.000			0.000		
108502	L1185005	692193	93114		0.0	1.0					0.000			0.000		
108502	L1185006	692193	93114		1.0	2.0					0.000			0.000		
108502	L1185007	692193	93114		1.0	2.0					0.000			0.000		

Table C-3b. All Post-Remedy Soil Data for Select Polychlorinated Biphenyls Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Aroclor-1254			Aroclor-1260		
											Result	DL	VQ	Result	DL	VQ
108502	L1185009	692193	93114		4.0	6.0					0.000			0.000		
110001	L11100001	691889	92747		0.0	1.0					0.000			0.000		
110001	L11100002	691889	92747		1.0	2.0					0.000			0.000		
110001	L11100003	691889	92747		2.0	4.0					0.000			0.000		
110001	L11100004	691889	92747		2.0	4.0					0.000			0.000		
110003	L11100009	691958	92733		4.0	6.0					0.000			0.000		
110003	L11100010	691958	92733		0.0	1.0					0.000			0.000		
110003	L11100011	691958	92733		1.0	2.0					0.000			0.000		
110003	L11100012	691958	92733		1.0	2.0					0.000			0.000		
110003	L11100013	691958	92733		2.0	4.0					0.000			0.000		
110003	L11100014	691958	92733		4.0	6.0					0.000			0.000		
110021	L111002001	691703	92269		0.0	1.0					0.000			0.000		
110021	L111002002	691703	92269		0.0	1.0					0.000			0.000		
110021	L111002003	691703	92269		1.0	2.0					0.000			0.000		
110021	L111002004	691703	92269		2.0	4.0					0.000			0.000		
110021	L111002005	691703	92269		4.0	6.0					0.000			0.000		
110021	L111002006	691703	92269		4.0	6.0					0.000			0.000		
112421	L11124001	691974	93402		1.0	2.0					0.000			0.000		
112421	L11124002	691974	93402		2.0	4.0					0.000			0.000		
112421	L11124003	691974	93402		4.0	6.0					0.000			0.000		
112422	L11124004	691977	93392		1.0	2.0					0.000			0.000		
112422	L11124005	691977	93392		2.0	4.0					0.000			0.000		
112422	L11124006	691977	93392		4.0	6.0					0.000			0.000		
112423	L11124007	691956	93454		1.0	2.0					0.000			0.000		
112423	L11124008	691956	93454		2.0	4.0					0.000			0.000		
112423	L11124009	691956	93454		4.0	6.0					0.000			0.000		
112901	L11129001	691933	93378		1.0	2.0					0.000			0.000		
112901	L11129002	691933	93378		2.0	4.0					0.000			0.000		
112901	L11129003	691933	93378		4.0	6.0					0.000			0.000		
112902	L11129004	691961	93373		1.0	2.0					0.000			0.000		
112902	L11129005	691961	93373		2.0	4.0					0.000			0.000		
112902	L11129006	691961	93373		2.0	4.0					0.000			0.000		
112903	L11129007	691939	93367		1.0	2.0					0.000			0.000		
112903	L11129008	691939	93367		2.0	4.0					0.000			0.000		
112903	L11129009	691939	93367		4.0	6.0					0.000			0.000		
115201	L11152001	691670	93440		1.0	2.0					0.000			0.000		
115201	L11152002	691670	93440		2.0	4.0					0.000			0.000		
115202	L11152003	691677	93430		1.0	2.0					0.000			0.000		
115202	L11152004	691677	93430		2.0	4.0					0.000			0.000		
115203	L11152005	691655	93409		1.0	2.0					0.000			0.000		
115203	L11152006	691655	93409		2.0	4.0					0.000			0.000		

Table C-3b. All Post-Remedy Soil Data for Select Polychlorinated Biphenyls Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Aroclor-1254			Aroclor-1260		
											Result	DL	VQ	Result	DL	VQ
115204	L11152007	691646	93444		1.0	2.0					0.000			0.000		
115204	L11152008	691646	93444		2.0	4.0					0.000			0.000		
115205	L11152009	691681	93484		1.0	2.0					0.000			0.000		
115205	L11152009DL	691681	93484		1.0	2.0					0.000			0.000		
115205	L11152011	691681	93484		2.0	4.0					0.000			0.000		
115206	L11152012	691648	93431		1.0	2.0					0.000			0.000		
115206	L11152013	691648	93431		2.0	4.0					0.000			0.000		
115207	L11152014	691651	93420		1.0	2.0					0.000			0.000		
115207	L11152015	691651	93420		2.0	4.0					0.000			0.000		
115501	L11155001	691829	92890		0.0	1.0					0.000			0.000		
115501	L11155002	691829	92890		1.0	2.0					0.000			0.000		
115501	L11155003	691829	92890		2.0	4.0					0.000			0.000		
115501	L11155004	691829	92890		4.0	6.0					0.000			0.000		
115501	L11155005	691829	92890		4.0	6.0					0.000			0.000		
115502	L11155006	691921	92626		0.0	1.0					0.000			0.000		
115502	L11155007	691921	92626		1.0	2.0					0.000			0.000		
115502	L11155008	691921	92626		2.0	4.0					0.000			0.000		
115502	L11155009	691921	92626		4.0	6.0					0.000			0.000		
115503	L11155010	692016	92333		0.0	1.0					0.000			0.000		
115503	L11155011	692016	92333		1.0	2.0					0.000			0.000		
115503	L11155012	692016	92333		2.0	4.0					0.000			0.000		
116901	L11169001	691798	92297		0.0	1.0					0.021	0.042	U	0.021	0.042	U
116901	L11169002	691798	92297		1.0	2.0					0.021	0.042	U	0.021	0.042	U
116902	L1169003	691703	93210		0.0	1.0					0.021	0.042	U	0.200	0.042	
116902	L1169004	691703	93210		1.0	2.0					0.021	0.042	U	0.021	0.042	U
116903	L11169005	691920	92946		0.0	1.0					0.021	0.041	U	0.019	0.041	
116903	L11169006	691920	92946		1.0	2.0					0.022	0.044	U	0.022	0.044	U
116904	L11169007	691946	92866		0.0	1.0					0.021	0.042	U	0.021	0.042	U
116904	L11169008	691946	92866		1.0	2.0					0.021	0.041	U	0.021	0.041	U
116905	L11169009	692120	92125		0.0	1.0					0.020	0.04	U	0.020	0.04	U
116905	L11169010	692120	92125		1.0	2.0					0.021	0.042	U	0.021	0.042	U
116906	L11169011	692028	92646		1.0	2.0					0.021	0.042	U	0.021	0.042	U
116907	L11169013	692114	92355		0.0	1.0					0.022	0.043	U	0.022	0.043	U
116907	L11169014	692114	92355		1.0	2.0					0.021	0.042	U	0.021	0.042	U
116908	L11169016	692066	92273		0.0	1.0					0.019	0.037	U	0.019	0.037	
116908	L11169017	692066	92273		1.0	2.0					0.020	0.04	U	0.020	0.04	U
116909	L11169018	691757	92233		0.0	1.0					0.021	0.042	U	0.021	0.042	U
116909	L11169019	691757	92233		1.0	2.0					0.021	0.042	U	0.021	0.042	U
116910	L11169020	691979	93373		0.0	1.0					0.044	0.042		0.021	0.042	U
116910	L11169021	691979	93373		1.0	2.0					0.022	0.043	U	0.022	0.043	U
116911	L11169022	691769	93328		0.0	1.0					0.022	0.043	U	0.049	0.043	

Table C-3b. All Post-Remedy Soil Data for Select Polychlorinated Biphenyls Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Aroclor-1254			Aroclor-1260		
											Result	DL	VQ	Result	DL	VQ
116911	L11169023	691769	93328		1.0	2.0					0.022	0.044	U	0.022	0.044	U
116912	L11169024	691863	93415		0.0	1.0					0.022	0.043	U	0.022	0.043	U
116912	L11169025	691863	93415		1.0	2.0					0.022	0.043	U	0.022	0.043	U
116913	L11169026	691701	92898		0.0	1.0					0.020	0.04	U	0.019	0.04	
116913	L11169027	691701	92898		1.0	2.0					0.022	0.044	U	0.022	0.044	U
116914	L11169028DL	691725	93411		0.0	1.0					0.021	1.2	U	0.041	1.2	
116914	L11169029DL	691725	93411		1.0	2.0					0.600	0.83	U	5.300	0.83	
116915	L11169030	691883	93355		0.0	1.0					0.021	0.039	U	0.021	0.039	U
116915	L11169031	691883	93355		0.0	1.0					0.415	0.044	U	1.600	0.044	U
116916	L11169032	692204	93063		0.0	1.0					0.020	0.044	U	0.020	0.044	U
116916	L11169033	692204	93063		0.0	1.0					0.022	0.045	U	0.022	0.045	U
116916	L11169034	692204	93063		1.0	2.0					0.022	0.044	U	0.022	0.044	U
116917	L11169035	691698	92263		0.0	1.0					0.023	0.04	U	0.023	0.04	U
116917	L11169036	691698	92263		1.0	2.0					0.022	0.042	U	0.022	0.042	U
116918	L11169037	691949	93168		0.0	1.0					0.020	0.039	U	0.040	0.039	
116918	L11169038	691949	93168		1.0	2.0					0.021	0.043	U	0.042	0.043	
116919	L11169039	692104	92656		0.0	1.0					0.020	0.04	U	0.069	0.04	
116919	L11169040	692104	92656		1.0	2.0					0.022	0.042	U	0.007	0.042	U
116920	L11169041	691813	92098		0.0	1.0					0.020	0.041	U	0.017	0.041	U
116920	L11169042	691813	92098		1.0	2.0					0.021	0.042	U	0.021	0.042	U
116920	L11169043	691813	92098		1.0	2.0					0.021	0.041	U	0.021	0.041	U
116921	L11169044	692141	92572		0.0	1.0					0.021	0.043	U	0.021	0.043	U
116921	L11169045	692141	92572		1.0	2.0					0.021	0.044	U	0.021	0.044	U
116922	L11169046	692089	92779		0.0	1.0					0.022	0.043	U	0.022	0.043	U
116922	L11169047	692089	92779		1.0	2.0					0.022	0.043	U	0.022	0.043	U
116925	L11169052	691675	93311		0.0	1.0					0.022	0.042	U	0.022	0.042	U
116925	L11169053	691675	93311		1.0	2.0					0.022	0.042	U	0.043	0.042	
160302	L1163014	692094	92997		1.0	2.0					0.042			0.042		
163701	L1163001	691731	92351		0.0	1.0					0.042			0.200		
163701	L1163002	691731	92351		1.0	2.0					0.000			0.000		
163701	L1163003	691731	92351		2.0	4.0					0.000			0.000		
163701	L1163004	691731	92351		4.0	6.0					0.000			0.000		
163702	L1163005	691759	92309		0.0	1.0					0.000			0.000		
163702	L1163006	691759	92309		1.0	2.0					0.000			0.000		
163702	L1163007	691759	92309		2.0	4.0					0.000			0.000		
163702	L1163008	691759	92309		4.0	6.0					0.000			0.000		
10DD01	L110DD001	691669	93262		0.0	1.0					0.000			0.000		
10DD01	L110DD002	691669	93262		1.0	2.0					0.000			0.000		
10DD01	L110DD003	691669	93262		2.0	4.0					0.000			0.000		
10DD01	L110DD004	691669	93262		4.0	6.0					0.000			0.000		
10DD02	L110DD005	691641	93234		0.0	1.0					0.000			0.000		

Table C-3b. All Post-Remedy Soil Data for Select Polychlorinated Biphenyls Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Aroclor-1254			Aroclor-1260		
											Result	DL	VQ	Result	DL	VQ
10DD02	L110DD006	691641	93234		1.0	2.0					0.000			0.000		
10DD02	L110DD007	691641	93234		2.0	4.0					0.000			0.000		
10DD02	L110DD008	691641	93234		4.0	6.0					0.000			0.000		
10DD03	L110DD009	691565	93119		0.0	1.0					0.000			0.000		
10DD03	L110DD010	691565	93119		1.0	2.0					0.000			0.000		
10DD03	L110DD011	691565	93119		2.0	4.0					0.000			0.000		
10DD03	L110DD012	691565	93119		4.0	6.0					0.000			0.000		
10DD04	L110DD013	691508	93081		0.0	1.0					0.000			0.000		
10DD04	L110DD014	691508	93081		1.0	2.0					0.000			0.000		
10DD04	L110DD015	691508	93081		2.0	4.0					0.000			0.000		
10DD04	L110DD016	691508	93081		2.0	4.0					0.000			0.000		
10DD04	L110DD017	691508	93081		4.0	6.0					0.000			0.000		
10DD05	L110DD018	691525	93099		0.0	1.0					0.000			0.000		
10DD05	L110DD019	691525	93099		1.0	2.0					0.000			0.000		
10DD07	L110DD026	691660	93153		0.0	1.0					0.000			0.000		
10DD07	L110DD027	691660	93153		1.0	2.0					0.000			0.000		
10DD07	L110DD028	691660	93153		2.0	4.0					0.000			0.000		
10DD07	L110DD029	691660	93153		4.0	6.0					0.000			0.000		
10DD09	L110DD034	691861	92762		0.0	1.0					0.000			0.000		
10DD09	L110DD035	691861	92762		1.0	2.0					0.000			0.000		
10DD09	L110DD036	691861	92762		2.0	4.0					0.000			0.000		
10DD09	L110DD037	691861	92762		4.0	6.0					0.000			0.000		
10DD10	L110DD038	691839	92768		0.0	1.0					0.000			0.000		
10DD10	L110DD039	691839	92768		0.0	1.0					0.000			0.000		
10DD10	L110DD040	691839	92768		1.0	2.0					0.000			0.000		
10DD10	L110DD041	691839	92768		2.0	4.0					0.000			0.000		
10DD10	L110DD042	691839	92768		4.0	6.0					0.000			0.000		
10DD11	L110DD043	691762	92784		0.0	1.0					0.000			0.000		
10DD11	L110DD044	691762	92784		1.0	2.0					0.000			0.000		
10DD11	L110DD045	691762	92784		1.0	2.0					0.000			0.000		
10DD11	L110DD046	691762	92784		2.0	4.0					0.000			0.000		
10DD11	L110DD047	691762	92784		4.0	6.0					0.000			0.000		
10DD12	L110DD048	691726	92790		0.0	1.0					0.000			0.000		
10DD12	L110DD049	691726	92790		1.0	2.0					0.000			0.000		
10DD12	L110DD050	691726	92790		2.0	4.0					0.000			0.000		
10DD12	L110DD051	691726	92790		4.0	6.0					0.000			0.000		
10DD13	L110DD052	691627	92701		0.0	1.0					0.000			0.000		
10DD13	L110DD053	691627	92701		1.0	2.0					0.000			0.000		
10DD13	L110DD054	691627	92701		2.0	4.0					0.000			0.000		
10DD13	L110DD055	691627	92701		4.0	6.0					0.000			0.000		
10DD14	L110DD056	691617	92673		0.0	1.0					0.000			0.000		

Table C-3b. All Post-Remedy Soil Data for Select Polychlorinated Biphenyls Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Aroclor-1254			Aroclor-1260		
											Result	DL	VQ	Result	DL	VQ
10DD14	L110DD057	691617	92673		1.0	2.0					0.000			0.000		
10DD14	L110DD058	691617	92673		2.0	4.0					0.000			0.000		
10DD14	L110DD059	691617	92673		4.0	6.0					0.000			0.000		
10DD15	L110DD060	691625	92545		0.0	1.0					0.000			0.000		
10DD15	L110DD061	691625	92545		1.0	2.0					0.000			0.000		
10DD15	L110DD062	691625	92545		2.0	4.0					0.000			0.000		
10DD15	L110DD063	691625	92545		4.0	6.0					0.000			0.000		
10DD16	L110DD065	691588	92546		1.0	2.0					0.000			0.000		
10DD16	L110DD066	691588	92546		2.0	4.0					0.000			0.000		
10DD16	L110DD067	691588	92546		4.0	6.0					0.000			0.000		
10DD17	L110DD069	691547	92435		1.0	2.0					0.000			0.000		
10DD17	L110DD070	691547	92435		2.0	4.0					0.000			0.000		
10DD17	L110DD071	691547	92435		4.0	6.0					0.000			0.000		
10DD17	L110DD072	691547	92435		4.0	6.0					0.000			0.000		
10DD18	L110DD074	691582	92419		1.0	2.0					0.000			0.000		
10DD18	L110DD075	691582	92419		2.0	4.0					0.000			0.000		
10DD18	L110DD076	691582	92419		4.0	6.0					0.000			0.000		
10DD19	L110DD077	691678	92547		0.0	1.0					0.000			0.000		
10DD19	L110DD078DL	691678	92547		1.0	2.0					0.000			0.000		
10DD19	L110DD079DL	691678	92547		2.0	4.0					0.000			0.000		
10DD20	L110DD081	691806	92511		0.0	1.0					0.000			0.000		
10DD20	L110DD082	691806	92511		1.0	2.0					0.000			0.000		
10DD20	L110DD083	691806	92511		2.0	4.0					0.000			0.000		
10DD20	L110DD084	691806	92511		4.0	6.0					0.000			0.000		
10DD21	L110DD085	691838	92504		0.0	1.0					0.000			0.000		
10DD21	L110DD086	691838	92504		1.0	2.0					0.000			0.000		
10DD21	L110DD087	691838	92504		2.0	4.0					0.000			0.000		
10DD21	L110DD088	691838	92504		4.0	6.0					0.000			0.000		
10DD22	L110DD089	691858	92111		0.0	1.0					0.000			0.000		
10DD22	L110DD090	691858	92111		1.0	2.0					0.000			0.000		
10DD22	L110DD091	691858	92111		2.0	4.0					0.000			0.000		
10DD22	L110DD092	691858	92111		4.0	6.0					0.000			0.000		
10DD23	L110DD094	691798	92021		1.0	2.0					0.000			0.000		
10DD23	L110DD095	691798	92021		2.0	4.0					0.000			0.000		
10DD23	L110DD096	691798	92021		4.0	6.0					0.000			0.000		
10DD25	L110DD102	691742	92808		2.0	4.0					0.000			0.000		
10DD25	L110DD103	691742	92808		1.0	2.0					0.000			0.000		
10DD25	L110DD104	691742	92808		2.0	4.0					0.000			0.000		
10DD25	L110DD105	691742	92808		4.0	6.0					0.000			0.000		
10DD26	L110DD106	691759	92856		0.0	1.0					0.000			0.000		
10DD26	L110DD107	691759	92856		1.0	2.0					0.000			0.000		

Table C-3b. All Post-Remedy Soil Data for Select Polychlorinated Biphenyls Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Aroclor-1254			Aroclor-1260		
											Result	DL	VQ	Result	DL	VQ
10DD26	L110DD108	691759	92856		2.0	4.0					0.000			0.000		
10DD26	L110DD109	691759	92856		4.0	6.0					0.000			0.000		
10DD27	L110DD110	691918	91943		0.0	1.0					0.000			0.000		
10DD27	L110DD111	691918	91943		1.0	2.0					0.000			0.000		
10DD27	L110DD112	691918	91943		2.0	4.0					0.000			0.000		
10DD27	L110DD113	691918	91943		4.0	6.0					0.000			0.000		
10DD28	L110DD115	691840	91886		1.0	2.0					0.000			0.000		
10DD28	L110DD116	691840	91886		2.0	4.0					0.000			0.000		
10DD28	L110DD117	691840	91886		4.0	6.0					0.000			0.000		
10DD29	L110DD131	691632	93305		0.0	1.0					0.000			0.000		
10DD29	L110DD132	691632	93305		1.0	2.0					0.000			0.000		
10DD29	L110DD133	691632	93305		2.0	4.0					0.000			0.000		
10DD29	L110DD134	691632	93305		4.0	6.0					0.000			0.000		
L1-E1-C008	IAAP130263						EU1	A	1	Floor BC 1, 2, 3, 10, 11, 12, 13, 14, 15, and 16	0.000	0.039	U	0.000	0.039	J
L1-E1-C009	IAAP130266									Wall BC 15, 16, and 1	0.000	0.037	U	0.000	0.037	=
L1-E1-C010	IAAP130267									Wall BC 1, 2, and 3	0.020	0.038	U	0.015	0.038	=
L1-E1-C011	IAAP130490									Wall BC 10, 11, and 12	0.019	0.038	U	0.037	0.15	=
L1-E1-C012	IAAP130491									Wall BC 12, 13, 14, and 15	0.019	0.037	U	0.071	0.037	J
L1-E1-C013	IAAP130492									Walls under concrete pad BC 17, 18, 19, and 20	0.019	0.039	U	2.200	0.039	=
L1-E1-C014	IAAP130493									Floor BC 21, 22, 23, and 24	0.019	0.041	U	0.026	0.041	=
L1-E1-C015	IAAP130494									Wall BC 3, 4, 5, and 6	0.020	0.04	U	0.320	0.04	=
L1-E1-C016	IAAP130495									Wal BC 6, 7, 8, and 9	0.021	0.041	U	0.370	0.041	=
L1-E1-C017	IAAP130496									Wall BC 9 and 10	0.020	0.039	U	0.870	0.16	=
L1-E1-C018	IAAP130497						Floor BC 3, 4, 5, 6, 7, 8, 9, and 10	0.021	0.04	U	0.300	0.04	=			

Notes:

Field duplicates removed.

Maximums of dilution and parent results used.

VQ symbols indicate: “=” positive identification, positive quantitation, no reason to estimate, “U” non-detect, no reason to estimate, “J” positive identification, estimated quantitation, “UJ” analyte was not detected and had QC deficiencies.

Table C-3c. All Post-Remedy Soil Data for Select Metals Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Barium			Chromium			Mercury		
											Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAP100000	IAAP100000	691723.44	93385.79	03/28/07	0	0.5					0.00			0.00			0.00		
IAAP100000	IAAP100001	691723.44	93385.79	03/28/07	0.5	1					0.00			0.00			0.00		
IAAP100002	IAAP100002	691726.92	93376.03	03/28/07	0	0.5					0.00			0.00			0.00		
IAAP100002	IAAP100003	691726.92	93376.03	03/28/07	0.5	1					0.00			0.00			0.00		
IAAP100004	IAAP100004	691732.81	93366.73	03/28/07	0	0.5					0.00			0.00			0.00		
IAAP100004	IAAP100005	691732.81	93366.73	03/28/07	0.5	1					0.00			0.00			0.00		
IAAP100006	IAAP100006	691735.81	93358.42	03/28/07	0	0.5					0.00			0.00			0.00		
IAAP100006	IAAP100007	691735.81	93358.42	03/28/07	0.5	1					0.00			0.00			0.00		
IAAP100008	IAAP100008	691739.66	93346.54	03/28/07	0	0.5					0.00			0.00			0.00		
IAAP100008	IAAP100009	691739.66	93346.54	03/28/07	0.5	1					0.00			0.00			0.00		
IAAP100031	IAAP100031	691727.31	93292.52	03/29/07	0	0.5					0.00			0.00			0.00		
IAAP100034	IAAP100034	691728.18	93296.62	03/29/07	0	0.5					0.00			0.00			0.00		
IAAP100046	IAAP100046	691996.61	93031.05	03/23/07	0	0.5					146.00	0.65	=	16.40	0.46	=	0.03	0.0086	=
IAAP136603	IAAP100047	691990.48	93027.37	03/23/07	0	0.5					138.00	0.61	=	16.10	0.43	=	0.02	0.0081	=
IAAP100048	IAAP100048	691996.18	93025.73	03/23/07	0	0.5					187.00	0.65	=	18.60	0.46	=	0.04	0.0087	=
IAAP100051	IAAP100051	691943.22	92732.92	04/16/07	0	0.5					0.00			0.00			0.00		
IAAP100051	IAAP100052	691943.22	92732.92	04/16/07	1	2					0.00			0.00			0.00		
IAAP100057	IAAP100057	691587.61	92871.04	04/12/07	0	0.5					0.00			1,440.00	1.8	=	0.00		
IAAP100058	IAAP100058	691571.87	92865.95	04/12/07	0	0.5					0.00			16.50	0.49	=	0.00		
IAAP100059	IAAP100059	691922.71	92626.5	04/15/07	0	0.5					0.00			7,510.00	0.49	=	0.00		
IAAP100060	IAAP100060	691917.77	92621.56	04/15/07	0	0.5					0.00			476.00	0.45	=	0.00		
IAAP100061	IAAP100061	691921.19	92615.5	04/15/07	0	0.5					0.00			22.30	0.45	=	0.00		
IAAP100062	IAAP100062	691693.75	92886.11	04/12/07	0	0.5					0.00			76.50	0.47	=	0.00		
IAAP100063	IAAP100063	691696.5	92877.2	04/12/07	0	0.5					0.00			149.00	0.5	=	0.00		
IAAP100064	IAAP100064	691689.05	92879.37	04/12/07	0	0.5					0.00			20.00	0.48	=	0.00		
IAAP100066	IAAP100066	691749.63	92654.13	04/12/07	0	0.5					0.00			0.00			0.00		
IAAP100068	IAAP100068	691682.18	92883.19	04/12/07	0	0.5					0.00			0.00			0.00		
IAAP100070	IAAP100070	691851.03	92973.78	04/12/07	0	0.5					0.00			0.00			0.00		
IAAP100071	IAAP100071	691694.48	92747.08	04/11/07	0	0.5					0.00			0.00			0.00		
IAAP100087	IAAP100087	691886.05	92824.82	04/16/07	0	0.5					0.00			0.00			0.00		
IAAP100000	IAAP100112	691723.44	93385.79	03/28/07	1	1.5					0.00			0.00			0.00		
IAAP100002	IAAP100113	691726.92	93376.03	03/28/07	1	1.5					0.00			0.00			0.00		
IAAP100004	IAAP100114	691732.81	93366.73	03/28/07	1	1.5					0.00			0.00			0.00		
IAAP100006	IAAP100115	691735.81	93358.42	03/28/07	1	1.5					0.00			0.00			0.00		
IAAP100008	IAAP100116	691739.66	93346.54	03/28/07	1	1.5					0.00			0.00			0.00		
IAAP103900	IAAP103900	691723.57	93391.67	05/29/07	0	0.5					0.00			0.00			0.00		
IAAP103900	IAAP103901	691723.57	93391.67	05/29/07	0.5	1					0.00			0.00			0.00		
IAAP103900	IAAP103902	691723.57	93391.67	05/29/07	1	1.5					0.00			0.00			0.00		
IAAP103900	IAAP103903	691723.57	93391.67	05/29/07	1.5	2					0.00			0.00			0.00		
IAAP103904	IAAP103904	691713.05	93388.24	05/29/07	0	0.5					0.00			0.00			0.00		
IAAP103904	IAAP103905	691713.05	93388.24	05/29/07	0.5	1					0.00			0.00			0.00		
IAAP103904	IAAP103906	691713.05	93388.24	05/29/07	1	1.5					0.00			0.00			0.00		

Table C-3c. All Post-Remedy Soil Data for Select Metals Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Barium			Chromium			Mercury		
											Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAP103904	IAAP103907	691713.05	93388.24	05/29/07	1.5	2					0.00			0.00			0.00		
IAAP103919	IAAP103919	692010.7	92873.76	05/30/07	0	0.5					0.00			0.00			0.00		
IAAP103932	IAAP103932	691887.23	92819.77	06/05/07	0	0.5					0.00			0.00			0.00		
IAAP103957	IAAP103957	691806.11	92492.32	05/31/07	0	0.5					115.00	0.63	=	10.00	0.45	J	0.05	0.0084	=
IAAP103958	IAAP103958	691801.39	92494.82	05/31/07	0	0.5					128.00	0.62	=	13.30	0.44	J	0.05	0.0083	=
IAAP103959	IAAP103959	691802	92486.1	05/31/07	0	0.5					107.00	0.64	=	14.00	0.46	J	0.05	0.0086	=
IAAP111608	IAAP111608	691729.54	93383.8	09/25/08	0	0.5					150.00	0.82	=	6.95	13.9	U	0.04	0.013	=
IAAP96976	IAAP111609	COMPOSITE	COMPOSITE	09/25/08	1	2					200.00	0.37	=	7.10	14.2	U	0.07	0.014	=
IAAP111627	IAAP111628	691996.16	93028.25	09/24/08	1	2					186.00	0.35	=	17.40	0.73	J	0.03	0.014	=
IAAP111631	IAAP111631	692000.12	93025.48	09/24/08	0	0.5					115.00	0.35	=	12.90	0.73	J	0.05	0.014	=
IAAP111633	IAAP111633	691947.6	92731.29	09/23/08	0	1					189.00	0.35	=	22.40	0.73	J	0.05	0.014	=
IAAP111634	IAAP111634	691942.06	92729.45	09/23/08	0	1					166.00	0.34	=	37.50	0.72	J	0.03	0.013	=
IAAP111635	IAAP111635	691936.94	92730.22	09/23/08	0	1					255.00	0.35	=	18.90	0.73	J	0.03	0.014	=
IAAP111652	IAAP111652	691848.62	92980.16	09/24/08	0	1					203.00	0.35	=	30.60	0.73	J	0.05	0.014	=
IAAP96925	IAAP96925	692027	92844.46	10/26/06	0	0.5					151.00	0.7	=	16.70	0.5	=	0.04	0.0094	=
IAAP96926	IAAP96926	692014.91	92844.8	10/26/06	0	0.5					168.00	0.7	=	19.40	0.5	=	0.04	0.0094	=
IAAP96927	IAAP96927	691998.35	92979.48	10/26/06	0	0.5					170.00	0.74	=	16.80	0.53	=	0.005	0.010	U
IAAP96928	IAAP96928	691998.35	92979.48	10/26/06	0	0.5					180.00	0.7	=	20.40	0.49	=	0.04	0.0093	=
IAAP96929	IAAP96929	691966.49	92969.51	10/26/06	0	0.5					275.00	0.69	=	22.00	0.49	=	0.04	0.0092	=
IAAP96935	IAAP96935	691894.02	93328.08	11/15/06	0	0.5					43.20	2.8	=	5.20	2	=	0.03	0.0076	=
IAAP96936	IAAP96936	COMPOSITE	COMPOSITE	11/15/06	0	0.5					197.00	0.67	=	18.30	0.48	=	0.05	0.009	=
IAAP96937	IAAP96937	COMPOSITE	COMPOSITE	11/13/06	0	0.5					54.80	2.8	=	9.80	2	=	0.03	0.0074	=
IAAP96938	IAAP96938	691840.29	93270.4	11/13/06	0	0.5					243.00	0.67	=	15.40	0.47	=	0.04	0.0089	=
IAAP96939	IAAP96939	691831.83	93298.23	11/13/06	0	0.5					29.20	2.7	=	3.70	2	J	0.02	0.0073	=
IAAP96940	IAAP96940	691832.3	93342.32	11/13/06	0	0.5					39.10	2.8	=	92.40	2	=	0.06	0.0076	=
IAAP96941	IAAP96941	691814.66	93317.23	11/13/06	0	0.5					170.00	0.63	=	27.60	0.45	J	0.46	0.0084	=
IAAP96942	IAAP96942	691838.97	93244.84	11/13/06	0	0.5					204.00	0.63	=	22.70	0.45	=	0.06	0.0084	=
IAAP96943	IAAP96943	691740.96	93451.82	11/14/06	0	0.5					54.70	1.2	=	10.00	0.84	J	0.14	0.0079	=
IAAP96944	IAAP96944	691700	93430.63	11/14/06	0	0.5					184.00	1.2	=	16.40	0.88	J	0.05	0.0083	=
IAAP96945	IAAP96945	691712.74	93499.75	11/14/06	0	0.5					154.00	0.7	=	26.10	0.5	J	0.98	0.0094	=
IAAP96949	IAAP96949	692113.04	93092.9	11/15/06	0	0.5					217.00	0.62	=	21.50	0.44	=	0.03	0.0083	=
IAAP96950	IAAP96950	COMPOSITE	COMPOSITE	11/15/06	0	0.5					226.00	0.64	=	11.80	0.46	=	0.03	0.0086	=
IAAP96951	IAAP96951	COMPOSITE	COMPOSITE	11/15/06	0	0.5					156.00	0.62	=	15.10	0.44	=	0.03	0.0083	=
IAAP96952	IAAP96952	692127.71	93042.61	11/15/06	0	0.5					27.00	2.6	=	2.50	1.8	=	0.02	0.0069	=
IAAP96953	IAAP96953	692116.38	93011.84	11/15/06	0	0.5					184.00	0.61	=	14.30	0.43	=	0.03	0.0081	=
IAAP96954	IAAP96954	692116.26	92981.47	11/15/06	0	0.5					156.00	0.57	=	11.40	0.4	=	0.04	0.0076	=
IAAP96959	IAAP96959	COMPOSITE	COMPOSITE	11/14/06	0	0.5					167.00	0.6	=	17.10	0.43	J	0.02	0.008	=
IAAP96961	IAAP96961	COMPOSITE	COMPOSITE	11/13/06	0	0.5					135.00	0.62	=	16.60	0.44	=	0.04	0.0083	=
IAAP96962	IAAP96962	COMPOSITE	COMPOSITE	11/13/06	0	0.5					146.00	0.61	=	15.40	0.44	=	0.03	0.0082	=
IAAP96963	IAAP96963	COMPOSITE	COMPOSITE	11/13/06	0	0.5					146.00	0.58	=	13.80	0.41	J	0.00	0.0077	U
IAAP96964	IAAP96964	691985.83	93063.1	11/13/06	0	0.5					166.00	0.62	=	18.50	0.44	=	0.06	0.0083	=

Table C-3c. All Post-Remedy Soil Data for Select Metals Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Barium			Chromium			Mercury		
											Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAP96967	IAAP96967	691937	93039	11/13/06	0	0.5					38.00	2.7	=	12.00	1.9	=	0.07	0.0071	=
IAAP96976	IAAP96976	COMPOSITE	COMPOSITE	11/14/06	0	0.5					175.00	3.3	=	191.00	2.3	J	0.30	0.0088	=
IAAP96977	IAAP96977	COMPOSITE	COMPOSITE	11/14/06	0	0.5					138.00	0.74	=	87.50	0.53	J	1.80	0.0099	=
IAAP96979	IAAP96979	691795.01	93119.57	11/14/06	0	0.5					197.00	0.64	=	24.50	0.45	J	0.20	0.0085	=
IAAP96980	IAAP96980	691808.87	93106.84	11/14/06	0	0.5					47.80	2.7	=	14.10	1.9	J	0.06	0.0072	=
IAAP96988	IAAP96988	691954.34	92114.71	11/14/06	0	0.5					30.20	1.1	=	6.90	0.76	J	0.00	0.0072	U
IAAP96989	IAAP96989	691876.63	92299.46	11/14/06	0	0.5					229.00	0.61	=	14.70	0.44	J	0.02	0.0082	=
IAAP96992	IAAP96992	COMPOSITE	COMPOSITE	11/14/06	0	0.5					94.50	1.1	=	9.60	0.79	=	0.02	0.0075	=
IAAP96994	IAAP96994	691857.33	92413.74	11/14/06	0	0.5					113.00	0.57	=	14.40	0.4	=	0.02	0.0076	=
IAAP96996	IAAP96996	COMPOSITE	COMPOSITE	11/14/06	0	0.5					144.00	0.64	=	14.70	0.45	=	0.04	0.0085	=
IAAP96997	IAAP96997	691844.39	92407.27	11/14/06	0	0.5					41.60	2.8	=	6.90	2	=	0.01	0.0076	=
IAAP96998	IAAP96998	691728	93303	11/14/06	0	0.5					164.00	1.1	=	15.90	0.77	J	0.04	0.0073	=
IAAP97000	IAAP97000	691786.4	93115.72	11/14/06	0	0.5					174.00	0.67	=	17.60	0.47	J	0.19	0.0089	=
IAAP97001	IAAP97001	691872	93010	12/18/06	0	0.5					86.30	0.55	=	14.30	0.39	=	0.24	0.0074	J
IAAP97002	IAAP97002	691884	93003	12/18/06	0	0.5					53.10	0.53	=	6.40	0.38	=	0.11	0.0071	J
IAAP97003	IAAP97003	691888	92995	12/18/06	0	0.5					147.00	0.61	=	16.60	0.44	=	0.13	0.0082	J
IAAP97008	IAAP97008	691894	92818	12/19/06	0	0.5					214.00	0.64	J	19.20	0.46	J	0.05	0.0086	J
IAAP97009	IAAP97009	691903	92823	12/19/06	0	0.5					297.00	6.3	J	64.70	0.45	J	0.12	0.0084	J
IAAP97010	IAAP97010	691891	92892	12/19/06	0	0.5					227.00	0.63	J	18.40	0.44	J	0.00	0.0084	UJ
IAAP97011	IAAP97011	691900	92879	12/19/06	0	0.5					172.00	0.64	J	23.60	0.46	J	0.00	0.0086	UJ
IAAP97012	IAAP97012	691889	92913	12/19/06	0	0.5					170.00	0.65	J	23.60	0.46	J	0.03	0.0087	J
IAAP97013	IAAP97013	691813	92905	12/18/06	0	0.5					144.00	0.56	=	373.00	0.39	=	0.04	0.0074	J
IAAP97016	IAAP97016	691683	92887	12/18/06	0	0.5					781.00	0.66	=	24.80	0.47	=	0.05	0.0088	J
IAAP97017	IAAP97017	691680	92894	12/18/06	0	0.5					221.00	0.6	=	23.70	0.42	=	0.03	0.008	J
IAAP97018	IAAP97018	691694	92881	12/18/06	0	0.5					166.00	0.7	=	2,740.00	0.49	=	0.12	0.0093	J
IAAP97019	IAAP97019	691689	92747	12/18/06	0	0.5					213.00	0.67	=	14.30	0.47	=	0.05	0.0089	J
IAAP97020	IAAP97020	691695	92744	12/18/06	0	0.5					152.00	0.65	=	15.90	0.46	=	0.03	0.0087	J
IAAP97021	IAAP97021	691719	92718	12/18/06	0	0.5					70.10	0.68	=	10.00	0.48	=	0.05	0.0091	J
IAAP97022	IAAP97022	691753	92650	12/18/06	0	0.5					182.00	0.64	=	32.10	0.45	J	0.03	0.0085	J
IAAP97023	IAAP97023	691750	92660	12/18/06	0	0.5					129.00	0.69	=	20.90	0.49	=	0.04	0.0093	J
IAAP97024	IAAP97024	691745	92709	12/18/06	0	0.5					135.00	0.67	=	15.90	0.47	=	0.03	0.0089	J
IAAP97030	IAAP97030	691973	92557	12/19/06	0	0.5					142.00	0.6	J	17.50	0.43	J	0.02	0.0081	J
IAAP97031	IAAP97031	691979	92543	12/19/06	0	0.5					29.70	0.55	J	5.70	0.39	J	0.00	0.0073	UJ
IAAP97032	IAAP97032	692030	92538	12/19/06	0	0.5					114.00	1	J	11.50	0.71	J	0.06	0.013	J
IAAP97033	IAAP97033	692033	92519	12/19/06	0	0.5					8.90	0.54	J	3.50	0.38	J	0.23	0.0071	J
IAAP97034	IAAP97034	692018	92535	12/20/06	0	0.5					230.00	0.73	=	20.10	0.52	=	0.03	0.0098	J
IAAP97049	IAAP97049	691998	92245	12/19/06	0	0.5					183.00	0.66	J	21.80	0.47	J	0.01	0.0088	J
IAAP98247	IAAP98247	691977	92312	12/19/06	0	0.5					162.00	0.69	J	49.90	0.49	J	0.08	0.0092	J
IAAP98256	IAAP98256	691757	92280	12/20/06	0	0.5					277.00	0.65	=	17.10	0.92	=	0.04	0.0087	J
IAAP98257	IAAP98257	691780	92253	12/20/06	0	0.5					142.00	0.63	=	16.30	0.45	=	0.04	0.0085	J
IAAP98259	IAAP98259	691921	92623	12/19/06	0	0.5					65.90	2.8	J	1,170.00	2	J	0.04	0.0076	J

Table C-3c. All Post-Remedy Soil Data for Select Metals Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Barium			Chromium			Mercury		
											Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
IAAP98260	IAAP98260	691719	92537	12/18/06	0	0.5					267.00	0.61	=	12.20	0.43	=	0.00	0.0081	UJ
IAAP98261	IAAP98261	691626	92692	12/18/06	0	0.5					157.00	0.62	=	15.30	0.44	=	0.04	0.0082	J
IAAP98262	IAAP98262	691633	92751	12/18/06	0	0.5					568.00	0.68	=	36.30	0.48	=	0.02	0.0091	J
IAAP98263	IAAP98263	691582	92869	12/18/06	0	0.5					16,600.00	3.8	J	1,380.00	1.4	=	0.50	0.025	J
IAAP98264	IAAP98264	691518	93097	12/18/06	0	0.5					153.00	0.81	=	16.20	0.58	=	0.03	0.011	J
IAAP98273	IAAP98273	692131	92072.7	12/19/06	0	0.5					174.00	0.65	J	15.80	0.46	J	0.04	0.0086	J
IAAP98274	IAAP98274	691733.32	93424.71	12/20/06	0	0.5					30.30	0.55	=	8.20	0.39	=	0.79	0.0074	J
IAAP99927	IAAP99927	691811.29	92488.02	04/16/07	0	0.5					87.20	0.64	J	107.00	0.45	J	1.30	0.0085	J
IAAP99928	IAAP99928	691809.48	92485.81	04/16/07	0	0.5					29.50	0.57	J	5.40	0.4	J	0.03	0.0076	J
IAAP99929	IAAP99929	691815.02	92487.65	04/16/07	0	0.5					68.40	0.54	J	30.50	0.38	J	2.50	0.014	J
IAAP99930	IAAP99930	691811.29	92492.77	04/16/07	0	0.5					14.50	2.7	J	3.70	1.9	J	0.01	0.0071	J
100101	L1101001	691685	93330		0.0	1.0					230.000	12		19.000	1.2		0.034	0.12	
100101	L1101002	691685	93330		1.0	2.0					0.000			0.000			0.000		
100101	L1101003	691685	93330		2.0	4.0					0.000			0.000			0.000		
100101	L1101004	691685	93330		4.0	6.0					0.000			0.000			0.000		
100102	L1101005	691685	93369		0.0	1.0					210.000	13		16.000	1.3		0.020	0.13	
100102	L1101006	691685	93369		1.0	2.0					0.000			0.000			0.000		
100102	L1101007	691685	93369		2.0	4.0					0.000			0.000			0.000		
100102	L1101008	691685	93369		4.0	6.0					0.000			0.000			0.000		
100103	L1101009	691723	93308		0.0	1.0					28.000	11		8.000	1.1		0.003	0.11	
100103	L1101010	691723	93308		1.0	2.0					0.000			0.000			0.000		
100103	L1101011	691723	93308		2.0	4.0					0.000			0.000			0.000		
100103	L1101012	691723	93308		4.0	6.0					0.000			0.000			0.000		
100201	L1102001	691824	93116		1.0	2.0					0.000			0.000			0.000		
100201	L1102002	691824	93116		2.0	4.0					0.000			0.000			0.000		
100202	L1102003	691834	93110		1.0	2.0					0.000			0.000			0.000		
100202	L1102004	691834	93110		2.0	4.0					0.000			0.000			0.000		
100203	L1102005	691839	93129		1.0	2.0					0.000			0.000			0.000		
100203	L1102006	691839	93129		2.0	4.0					0.000			0.000			0.000		
100204	L1102007	691851	93109		1.0	2.0					0.000			0.000			0.000		
100204	L1102008	691851	93109		2.0	4.0					0.000			0.000			0.000		
100205	L1102009	691838	93090		1.0	2.0					0.000			0.000			0.000		
100205	L1102010	691838	93090		2.0	4.0					0.000			0.000			0.000		
100205	L1102011	691838	93090		2.0	4.0					0.000			0.000			0.000		
100206	L1102012	691842	93123		1.0	2.0					0.000			0.000			0.000		
100206	L1102013	691842	93123		2.0	4.0					0.000			0.000			0.000		
100302	L1103005	691754	93117		0.0	1.0					230.000	13		17.000	1.3		0.041	0.13	
100302	L1103006	691754	93117		1.0	2.0					0.000			0.000			0.000		
100302	L1103007	691754	93117		2.0	4.0					0.000			0.000			0.000		
100302	L1103008	691754	93117		4.0	6.0					0.000			0.000			0.000		
100303	L1103009	691803	93111		0.0	1.0					84.000	12		34.000	1.2		1.700	0.12	

Table C-3c. All Post-Remedy Soil Data for Select Metals Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Barium			Chromium			Mercury		
											Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
100303	L1103010	691803	93111		1.0	2.0					0.000			0.000			0.000		
100303	L1103011	691803	93111		2.0	4.0					0.000			0.000			0.000		
100303	L1103012	691803	93111		4.0	6.0					0.000			0.000			0.000		
100304	L1103013	691776	93096		0.0	1.0					150.000	10		12.000	1		0.023	0.1	
100304	L1103014	691776	93096		1.0	2.0					0.000			0.000			0.000		
100304	L1103015	691776	93096		2.0	4.0					0.000			0.000			0.000		
100304	L1103016	691776	93096		2.0	4.0					0.000			0.000			0.000		
100304	L1103017	691776	93096		4.0	6.0					0.000			0.000			0.000		
100305	L1103018	692112	92187		0.0	1.0					40.000	12		6.400	1.2		0.017	0.12	
100305	L1103019	692112	92187		1.0	2.0					0.000			0.000			0.000		
100305	L1103020	692112	92187		2.0	4.0					0.000			0.000			0.000		
100305	L1103021	692112	92187		4.0	6.0					0.000			0.000			0.000		
100401	L1104001	691772	93135		0.0	1.0					190.000	13		16.000	1.3		0.110	0.13	
100401	L1104002	691772	93135		1.0	2.0					0.000			0.000			0.000		
100401	L1104003	691772	93135		2.0	4.0					0.000			0.000			0.000		
100401	L1104004	691772	93135		4.0	6.0					0.000			0.000			0.000		
100402	L1104005	691742	93216		0.0	1.0					160.000	12		21.000	1.2		0.098	0.12	
100402	L1104006	691742	93216		1.0	2.0					0.000			0.000			0.000		
100402	L1104007	691742	93216		2.0	4.0					0.000			0.000			0.000		
100402	L1104008	691742	93216		4.0	6.0					0.000			0.000			0.000		
100403	L1104009	691792	93152		0.0	1.0					160.000	12		19.000	1.2		0.055	0.12	
100403	L1104010	691792	93152		1.0	2.0					0.000			0.000			0.000		
100403	L1104011	691792	93152		2.0	4.0					0.000			0.000			0.000		
100403	L1104012	691792	93152		4.0	6.0					0.000			0.000			0.000		
100404	L1104013	691796	93140		0.0	1.0					170.000	12		17.000	1.2		0.030	0.12	
100404	L1104014	691796	93140		1.0	2.0					0.000			0.000			0.000		
100404	L1104015	691796	93140		2.0	4.0					0.000			0.000			0.000		
100404	L1104016	691796	93140		4.0	6.0					0.000			0.000			0.000		
100501	L1105001	691921	92838		0.0	1.0					230.000	12		25.000	1.2		0.047	0.12	
100501	L1105002	691921	92838		1.0	2.0					0.000			0.000			0.000		
100501	L1105003	691921	92838		2.0	4.0					0.000			0.000			0.000		
100501	L1105004	691921	92838		4.0	6.0					0.000			0.000			0.000		
100502	L1105005	691921	92844		0.0	1.0					240.000	13		18.000	1.3		0.032	0.13	
100502	L1105006	691921	92844		1.0	2.0					0.000			0.000			0.000		
100502	L1105007	691921	92844		1.0	2.0					0.000			0.000			0.000		
100502	L1105008	691921	92844		2.0	4.0					0.000			0.000			0.000		
100502	L1105009	691921	92844		4.0	6.0					0.000			0.000			0.000		
100503	L1105010	691915	92797		0.0	1.0					330.000	12		34.000	1.2		0.760	0.52	
100503	L1105011	691915	92797		1.0	2.0					0.000			0.000			0.000		
100503	L1105012	691915	92797		2.0	4.0					0.000			0.000			0.000		
100503	L1105013	691915	92797		4.0	6.0					0.000			0.000			0.000		

Table C-3c. All Post-Remedy Soil Data for Select Metals Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Barium			Chromium			Mercury		
											Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
100504	L1105014	691932	92802		0.0	1.0					300.000	13		26.000	1.3		0.065	0.13	U
100504	L1105015	691932	92802		1.0	2.0					0.000			0.000			0.000		
100504	L1105016	691932	92802		2.0	4.0					0.000			0.000			0.000		
100504	L1105017	691932	92802		4.0	6.0					0.000			0.000			0.000		
100505	L1105018	691911	92799		0.0	1.0					160.000	12		15.000	1.2		0.260	0.52	U
100505	L1105019	691911	92799		1.0	2.0					0.000			0.000			0.000		
100505	L1105020	691911	92799		2.0	4.0					0.000			0.000			0.000		
100505	L1105021	691911	92799		4.0	6.0					0.000			0.000			0.000		
100506	L1105022	691896	92792		1.0	2.0					0.000			0.000			0.000		
100506	L1105023	691896	92792		2.0	4.0					0.000			0.000			0.000		
100506	L1105024	691896	92792		4.0	6.0					0.000			0.000			0.000		
100509	L1105035	691899	92831		0.0	1.0					180.000	12		26.000	1.2		0.040	0.12	
100509	L1105036	691899	92831		1.0	2.0					0.000			0.000			0.000		
100509	L1105037	691899	92831		2.0	4.0					0.000			0.000			0.000		
100509	L1105038	691899	92831		4.0	6.0					0.000			0.000			0.000		
100510	L1105055	691886	92945		0.0	1.0					190.000	13		18.000	1.3		0.039	0.13	
100510	L1105056	691886	92945		1.0	2.0					220.000	12		16.000	1.2		0.024	0.12	
100510	L1105057	691886	92945		2.0	4.0					0.000			0.000			0.000		
100510	L1105058	691886	92945		4.0	6.0					0.000			0.000			0.000		
100511	L1105059	691877	92995		1.0	2.0					0.000			0.000			0.000		
100511	L1105060	691877	92995		2.0	4.0					0.000			0.000			0.000		
100511	L1105061	691877	92995		2.0	4.0					0.000			0.000			0.000		
100511	L1105062	691877	92995		4.0	6.0					0.000			0.000			0.000		
100512	L1105063	691842	92972		1.0	2.0					0.000			0.000			0.000		
100512	L1105064	691842	92972		2.0	4.0					0.000			0.000			0.000		
100512	L1105065	691842	92972		4.0	6.0					0.000			0.000			0.000		
100513	L1105066	691845	92995		1.0	2.0					0.000			0.000			0.000		
100513	L1105067	691845	92995		2.0	4.0					0.000			0.000			0.000		
100513	L1105068	691845	92995		2.0	4.0					0.000			0.000			0.000		
100514	L1105069	691849	92986		1.0	2.0					0.000			0.000			0.000		
100514	L1105070	691849	92986		2.0	4.0					0.000			0.000			0.000		
100514	L1105071	691849	92986		4.0	5.0					0.000			0.000			0.000		
100517	L1105079	691867	93001		0.0	1.0					210.000	13		180.000	1.3		0.160	0.13	
100517	L1105080	691867	93001		1.0	2.0					0.000			0.000			0.000		
100517	L1105081	691867	93001		2.0	4.0					0.000			0.000			0.000		
100517	L1105082	691867	93001		4.0	6.0					0.000			0.000			0.000		
100519	L1105088	691864	92940		0.0	1.0					160.000	12		17.000	1.2		0.039	0.12	
100519	L1105089	691864	92940		1.0	2.0					0.000			0.000			0.000		
100519	L1105090	691864	92940		2.0	4.0					0.000			0.000			0.000		
100519	L1105091	691864	92940		4.0	6.0					0.000			0.000			0.000		
100521	L1105096	691911	92849		0.0	1.0					170.000	12		19.000	1.2		0.045	0.12	

Table C-3c. All Post-Remedy Soil Data for Select Metals Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Barium			Chromium			Mercury		
											Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
100521	L1105097	691911	92849		1.0	2.0					0.000			0.000			0.000		
100521	L1105098	691911	92849		2.0	4.0					0.000			0.000			0.000		
100521	L1105099	691911	92849		4.0	6.0					0.000			0.000			0.000		
100601	L1106001	691750	92646		0.0	1.0					430.000	14		32.000	1.4		0.050	0.14	
100601	L1106002	691750	92646		1.0	2.0					0.000			0.000			0.000		
100601	L1106003	691750	92646		2.0	4.0					0.000			0.000			0.000		
100601	L1106004	691750	92646		2.0	4.0					0.000			0.000			0.000		
100601	L1106005	691750	92646		4.0	6.0					0.000			0.000			0.000		
100602	L1106006	691739	92639		0.0	1.0					150.000	11		6.500	1.1		0.018	0.11	
100602	L1106007	691739	92639		1.0	2.0					0.000			0.000			0.000		
100602	L1106008	691739	92639		2.0	4.0					0.000			0.000			0.000		
100602	L1106009	691739	92639		4.0	6.0					0.000			0.000			0.000		
100603	L1106010	691621	93000		0.0	1.0					17.000	11		6.700	1.1		0.006	0.11	
100603	L1106011	691621	93000		1.0	2.0					0.000			0.000			0.000		
100603	L1106012	691621	93000		2.0	4.0					0.000			0.000			0.000		
100603	L1106013	691621	93000		4.0	6.0					0.000			0.000			0.000		
100604	L1106014	691632	93007		0.0	1.0					660.000	14		110.000	1.4		0.080	0.14	
100604	L1106015	691632	93007		1.0	2.0					0.000			0.000			0.000		
100604	L1106016	691632	93007		2.0	4.0					0.000			0.000			0.000		
100604	L1106017	691632	93007		4.0	6.0					0.000			0.000			0.000		
100701	L1107001	692002	92830		0.0	1.0					140.000	12		15.000	1.2		0.033	0.12	
100701	L1107002	692002	92830		1.0	2.0					0.000			0.000			0.000		
100701	L1107003	692002	92830		2.0	4.0					0.000			0.000			0.000		
100702	L1107005	692023	92845		0.0	1.0					150.000	13		15.000	1.3		0.039	0.13	
100702	L1107006	692023	92845		1.0	2.0					0.000			0.000			0.000		
100702	L1107007	692023	92845		2.0	4.0					0.000			0.000			0.000		
100702	L1107008	692023	92845		4.0	6.0					0.000			0.000			0.000		
100703	L1107009	692034	92800		0.0	1.0					150.000	12		13.000	1.2		0.035	0.12	
100703	L1107010	692034	92800		1.0	2.0					0.000			0.000			0.000		
100703	L1107011	692034	92800		2.0	4.0					0.000			0.000			0.000		
100703	L1107012	692034	92800		4.0	6.0					0.000			0.000			0.000		
100801	L1108001	691700	92779		0.0	1.0					180.000	13		17.000	1.3		0.034	0.13	
100801	L1108002	691700	92779		1.0	2.0					0.000			0.000			0.000		
100801	L1108003	691700	92779		2.0	4.0					0.000			0.000			0.000		
100801	L1108004	691700	92779		2.0	4.0					0.000			0.000			0.000		
100801	L1108005	691700	92779		4.0	6.0					0.000			0.000			0.000		
100802	L1108006	691723	92706		0.0	1.0					150.000	13		15.000	1.3		0.021	0.13	
100802	L1108006A	691723	92706		0.0	1.0					240.000	13		25.000	1.3		0.028	0.13	
100802	L1108007	691723	92706		1.0	2.0					0.000			0.000			0.000		
100802	L1108007A	691723	92706		1.0	2.0					0.000			0.000			0.000		
100802	L1108008	691723	92706		2.0	4.0					0.000			0.000			0.000		

Table C-3c. All Post-Remedy Soil Data for Select Metals Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Barium			Chromium			Mercury		
											Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
100802	L1108008A	691723	92706		2.0	4.0					0.000			0.000			0.000		
100802	L1108009	691723	92706		4.0	6.0					0.000			0.000			0.000		
100802	L1108009A	691723	92706		4.0	6.0					0.000			0.000			0.000		
100803	L1108010	691715	92725		0.0	1.0					140.000	13		14.000	1.3		0.027	0.13	
100803	L1108011	691715	92725		1.0	2.0					0.000			0.000			0.000		
100803	L1108012	691715	92725		2.0	4.0					0.000			0.000			0.000		
100803	L1108013	691715	92725		4.0	6.0					0.000			0.000			0.000		
100805	L1108018	691709	92730		0.0	1.0					140.000	13		17.000	1.3		0.003	0.13	
100805	L1108019	691709	92730		1.0	2.0					0.000			0.000			0.000		
100805	L1108020	691709	92730		2.0	4.0					0.000			0.000			0.000		
100805	L1108021	691709	92730		4.0	6.0					0.000			0.000			0.000		
101001	L1110001	691959	92688		0.0	1.0					0.000			0.000			0.000		
101001	L1110002	691959	92688		1.0	2.0					0.000			0.000			0.000		
101001	L1110003	691959	92688		2.0	4.0					0.000			0.000			0.000		
101001	L1110004	691959	92688		4.0	6.0					0.000			0.000			0.000		
101004	L1110016	691978	92653		0.0	1.0					200.000	13		18.000	1.3		0.053	0.13	
101004	L1110017	691978	92653		1.0	2.0					0.000			0.000			0.000		
101004	L1110018	691978	92653		2.0	4.0					0.000			0.000			0.000		
101004	L1110019	691978	92653		4.0	6.0					0.000			0.000			0.000		
101005	L1110037	691993	92609		0.0	1.0					180.000	14		17.000	1.4		0.042	0.14	
101005	L1110038	691993	92609		1.0	2.0					0.000			0.000			0.000		
101005	L1110039	691993	92609		2.0	4.0					0.000			0.000			0.000		
101005	L1110040	691993	92609		4.0	6.0					0.000			0.000			0.000		
101006	L1110025	691952	92623		0.0	1.0					210.000	13		15.000	1.3		0.042	0.13	
101006	L1110026	691952	92623		1.0	2.0					0.000			0.000			0.000		
101006	L1110027	691952	92623		2.0	4.0					0.000			0.000			0.000		
101006	L1110028	691952	92623		4.0	5.0					0.000			0.000			0.000		
101007	L1110029	691971	92576		0.0	1.0					200.000	13		16.000	1.3		0.065	0.13	U
101007	L1110030	691971	92576		1.0	2.0					0.000			0.000			0.000		
101008	L1110033	691999	92585		0.0	1.0					170.000	13		11.000	1.3		0.030	0.13	
101008	L1110034	691999	92585		1.0	2.0					0.000			0.000			0.000		
101008	L1110035	691999	92585		2.0	4.0					0.000			0.000			0.000		
101008	L1110036	691999	92585		4.0	6.0					0.000			0.000			0.000		
101009	L1110021	691999	92618		0.0	1.0					150.000	13		16.000	1.3		0.039	0.13	
101009	L1110022	691999	92618		1.0	2.0					0.000			0.000			0.000		
101009	L1110023	691999	92618		2.0	4.0					0.000			0.000			0.000		
101009	L1110024	691999	92618		4.0	6.0					0.000			0.000			0.000		
101101	L1111001	691809	93287		0.0	1.0					170.000	13		33.000	1.3		0.083	0.13	
101101	L1111002	691809	93287		1.0	2.0					0.000			0.000			0.000		
101101	L1111003	691809	93287		2.0	4.0					0.000			0.000			0.000		
101101	L1111004	691809	93287		4.0	6.0					0.000			0.000			0.000		

Table C-3c. All Post-Remedy Soil Data for Select Metals Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Barium			Chromium			Mercury		
											Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
101102	L1111005	691832	93269		0.0	1.0					0.000			0.000			0.000		
101102	L1111006	691832	93269		2.0	4.0					0.000			0.000			0.000		
101103	L1111007	691812	93314		0.0	1.0					190.000	13		41.000	1.3		0.046	0.13	
101103	L1111008	691812	93314		1.0	2.0					0.000			0.000			0.000		
101103	L1111009	691812	93314		2.0	4.0					0.000			0.000			0.000		
101103	L1111010	691812	93314		4.0	6.0					0.000			0.000			0.000		
101104	L1111011	691845	93331		0.0	1.0					53.000	12		13.000	1.2		0.090	0.12	
101104	L1111012	691845	93331		1.0	2.0					0.000			0.000			0.000		
101104	L1111013	691845	93331		2.0	4.0					0.000			0.000			0.000		
101104	L1111014	691845	93331		4.0	6.0					0.000			0.000			0.000		
101105	L1111015	691894	93311		0.0	1.0					230.000	12		14.000	1.2		0.013	0.12	
101105	L1111016	691894	93311		1.0	2.0					0.000			0.000			0.000		
101105	L1111017	691894	93311		2.0	4.0					0.000			0.000			0.000		
101105	L1111018	691894	93311		4.0	6.0					0.000			0.000			0.000		
101106	L1111019	691911	93281		0.0	1.0					200.000	13		14.000	1.3		0.017	0.13	
101106	L1111020	691911	93281		1.0	2.0					0.000			0.000			0.000		
101106	L1111022	691911	93281		2.0	4.0					0.000			0.000			0.000		
101106	L1111023	691911	93281		4.0	6.0					0.000			0.000			0.000		
101107	L1111024	691838	93244		0.0	1.0					100.000	13		15.000	1.3		0.110	0.13	
101107	L1111025	691838	93244		1.0	2.0					0.000			0.000			0.000		
101107	L1111026	691838	93244		2.0	4.0					0.000			0.000			0.000		
101107	L1111027	691838	93244		4.0	6.0					0.000			0.000			0.000		
101201	L1112001	692036	92381		1.0	2.0					0.000			0.000			0.000		
101201	L1112001A	692036	92381		0.0	1.0					260.000	13		18.000	1.3		0.045	0.13	
101201	L1112002	692036	92381		1.0	2.0					0.000			0.000			0.000		
101201	L1112003	692036	92381		2.0	4.0					0.000			0.000			0.000		
101201	L1112004	692036	92381		4.0	6.0					0.000			0.000			0.000		
101204	L1112011A	692080	92344		0.0	1.0					160.000	12		14.000	1.2		0.068	0.12	
101204	L1112012	692080	92344		2.0	4.0					0.000			0.000			0.000		
101204	L1112013	692080	92344		4.0	6.0					0.000			0.000			0.000		
101205	L1112014	692105	92261		1.0	2.0					0.000			0.000			0.000		
101205	L1112014A	692105	92261		0.0	1.0					9.100	12		0.600	1.2	U	0.016	0.12	
101205	L1112015	692105	92261		2.0	4.0					0.000			0.000			0.000		
101205	L1112016	692105	92261		4.0	6.0					0.000			0.000			0.000		
101206	L1112017	692086	92238		1.0	2.0					0.000			0.000			0.000		
101206	L1112017A	692086	92238		0.0	1.0					170.000	13		20.000	1.3		0.067	0.13	
101206	L1112018	692086	92238		2.0	4.0					0.000			0.000			0.000		
101206	L1112019	692086	92238		4.0	6.0					0.000			0.000			0.000		
101207	L1112020	692050	92340		1.0	2.0					0.000			0.000			0.000		
101207	L1112020A	692050	92340		0.0	1.0					220.000	13		16.000	1.3		0.039	0.13	
101207	L1112021	692050	92340		2.0	4.0					0.000			0.000			0.000		

Table C-3c. All Post-Remedy Soil Data for Select Metals Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Barium			Chromium			Mercury		
											Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
101207	L1112022	692050	92340		4.0	6.0					0.000			0.000			0.000		
101208	L1112023	692041	92462		0.0	1.0					150.000	13		38.000	1.3		0.058	0.13	
101208	L1112024	692041	92462		1.0	2.0					0.000			0.000			0.000		
101208	L1112025	692041	92462		1.0	2.0					0.000			0.000			0.000		
101208	L1112026	692041	92462		2.0	4.0					0.000			0.000			0.000		
101208	L1112027	692041	92462		4.0	6.0					0.000			0.000			0.000		
101209	L1112028	692063	92389		0.0	1.0					120.000	11		20.000	1.1		0.049	0.11	
101209	L1112029	692063	92389		1.0	2.0					0.000			0.000			0.000		
101209	L1112030	692063	92389		2.0	4.0					0.000			0.000			0.000		
101209	L1112031	692063	92389		4.0	6.0					0.000			0.000			0.000		
101210	L1112033	692085	92323		1.0	2.0					0.000			0.000			0.000		
101210	L1112034	692085	92323		2.0	4.0					0.000			0.000			0.000		
101210	L1112036	692085	92323		4.0	6.0					0.000			0.000			0.000		
101210	L111232	692085	92323		0.0	1.0					180.000	13		15.000	1.3		0.080	0.13	
101211	L1112037	692098	92292		0.0	1.0					58.000	12		9.000	1.2		0.200	0.12	
101211	L1112038	692098	92292		1.0	2.0					0.000			0.000			0.000		
101211	L1112039	692098	92292		2.0	4.0					0.000			0.000			0.000		
101211	L1112040	692098	92292		4.0	6.0					0.000			0.000			0.000		
101212	L1112041	692076	92256		0.0	1.0					180.000	13		17.000	1.3		0.049	0.13	
101212	L1112042	692076	92256		1.0	2.0					0.000			0.000			0.000		
101212	L1112043	692076	92256		2.0	4.0					0.000			0.000			0.000		
101212	L1112044	692076	92256		4.0	6.0					0.000			0.000			0.000		
101213	L1112045	692055	92294		0.0	1.0					180.000	12		15.000	1.2		0.041	0.12	
101213	L1112046	692055	92294		1.0	2.0					0.000			0.000			0.000		
101213	L1112047	692055	92294		2.0	4.0					0.000			0.000			0.000		
101213	L1112048	692055	92294		2.0	4.0					0.000			0.000			0.000		
101213	L1112049	692055	92294		4.0	6.0					0.000			0.000			0.000		
101301	L1113001	691873	92319		0.0	1.0					190.000	12		15.000	1.2		0.060	0.12	U
101301	L1113002	691873	92319		1.0	2.0					0.000			0.000			0.000		
101301	L1113003	691873	92319		2.0	4.0					0.000			0.000			0.000		
101301	L1113004	691873	92319		4.0	6.0					0.000			0.000			0.000		
101302	L1113006	691868	92338		0.0	1.0					240.000	13		16.000	1.3		0.065	0.13	U
101302	L1113007	691868	92338		1.0	2.0					0.000			0.000			0.000		
101302	L1113008	691868	92338		2.0	4.0					0.000			0.000			0.000		
101302	L1113009	691868	92338		4.0	6.0					0.000			0.000			0.000		
101303	L1113010	691845	92407		0.0	1.0					160.000	12		13.000	1.2		0.060	0.12	U
101303	L1113011	691845	92407		1.0	2.0					0.000			0.000			0.000		
101303	L1113012	691845	92407		2.0	4.0					0.000			0.000			0.000		
101303	L1113013	691845	92407		4.0	6.0					0.000			0.000			0.000		
101304	L1113014	691870	92409		2.0	4.0					120.000	12		13.000	1.2		0.550	0.12	
101304	L1113015	691870	92409		1.0	2.0					0.000			0.000			0.000		

Table C-3c. All Post-Remedy Soil Data for Select Metals Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Barium			Chromium			Mercury		
											Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
101304	L1113016	691870	92409		2.0	4.0					0.000			0.000			0.000		
101304	L1113017	691870	92409		4.0	6.0					0.000			0.000			0.000		
101305	L1113018	691882	92387		0.0	1.0					200.000	13		17.000	1.3		0.065	0.13	U
101305	L1113019	691882	92387		1.0	2.0					0.000			0.000			0.000		
101305	L1113020	691882	92387		2.0	4.0					0.000			0.000			0.000		
101305	L1113021	691882	92387		4.0	6.0					0.000			0.000			0.000		
101306	L1113024	691889	94486		1.0	2.0					0.000			0.000			0.000		
101307	L1113023	691900	92319		1.0	2.0					0.000			0.000			0.000		
101307	L1113027	691900	92319		0.0	1.0					150.000	13		17.000	1.3		1.400	0.63	
101307	L1113028	691900	92319		1.0	2.0					0.000			0.000			0.000		
101308	L11130035	691875	92309		4.0	6.0					0.000			0.000			0.000		
101308	L1113031	691875	92309		0.0	1.0					200.000	12		12.000	1.2		0.060	0.12	U
101308	L1113032	691875	92309		1.0	2.0					0.000			0.000			0.000		
101308	L1113033	691875	92309		2.0	4.0					0.000			0.000			0.000		
101308	L1113034	691875	92309		2.0	4.0					0.000			0.000			0.000		
101309	L1113036	691881	92297		0.0	1.0					210.000	12		12.000	1.2		0.060	0.12	U
101309	L1113037	691881	92297		1.0	2.0					0.000			0.000			0.000		
101309	L1113038	691881	92297		2.0	4.0					0.000			0.000			0.000		
101309	L1113039	691881	92297		4.0	6.0					0.000			0.000			0.000		
101401	L1114001	691797	92489		0.0	1.0					130.000	13		15.000	1.3		0.036	0.13	
101401	L1114002	691797	92489		1.0	2.0					0.000			0.000			0.000		
101401	L1114003	691797	92489		2.0	4.0					0.000			0.000			0.000		
101401	L1114004	691797	92489		4.0	6.0					0.000			0.000			0.000		
101402	L1114005	691814	92487		0.0	1.0					140.000	13		94.000	1.3		3.900	0.25	
101402	L1114006	691814	92487		1.0	2.0					0.000			0.000			0.000		
101402	L1114007	691814	92487		2.0	4.0					0.000			0.000			0.000		
101402	L1114008	691814	92487		4.0	6.0					0.000			0.000			0.000		
101501	L1115001	691936	92124		0.0	1.0					250.000	13		19.000	1.3		0.035	0.13	
101501	L1115002	691936	92124		1.0	2.0					0.000			0.000			0.000		
101501	L1115003	691936	92124		2.0	4.0					0.000			0.000			0.000		
101501	L1115004	691936	92124		4.0	6.0					0.000			0.000			0.000		
101502	L1115005	691916	92117		0.0	1.0					160.000	13		24.000	1.3		0.047	0.13	
101502	L1115006	691916	92117		1.0	2.0					0.000			0.000			0.000		
101502	L1115007	691916	92117		2.0	4.0					0.000			0.000			0.000		
101502	L1115008	691916	92117		4.0	6.0					0.000			0.000			0.000		
101503	L1115009	691925	92088		0.0	1.0					200.000	13		22.000	1.3		0.051	0.13	
101503	L1115010	691925	92088		1.0	2.0					0.000			0.000			0.000		
101503	L1115011	691925	92088		2.0	4.0					0.000			0.000			0.000		
101503	L1115012	691925	92088		4.0	6.0					0.000			0.000			0.000		
101504	L1115014	691931	92075		0.0	1.0					110.000	12		20.000	1.2		0.100	0.12	
101504	L1115015	691931	92075		1.0	2.0					0.000			0.000			0.000		

Table C-3c. All Post-Remedy Soil Data for Select Metals Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Barium			Chromium			Mercury		
											Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
101504	L1115016	691931	92075		2.0	4.0					0.000			0.000			0.000		
101504	L1115017	691931	92075		4.0	6.0					0.000			0.000			0.000		
101505	L1115018	691943	92106		0.0	1.0					220.000	13		16.000	1.3		0.023	0.13	
101505	L1115019	691943	92106		1.0	2.0					0.000			0.000			0.000		
101505	L1115020	691943	92106		2.0	4.0					0.000			0.000			0.000		
101505	L1115021	691943	92106		4.0	6.0					0.000			0.000			0.000		
101506	L1115022	691950	92080		0.0	1.0					200.000	13		17.000	1.3		0.033	0.13	
101506	L1115023	691950	92080		1.0	2.0					0.000			0.000			0.000		
101506	L1115024	691950	92080		2.0	4.0					0.000			0.000			0.000		
101506	L1115025	691950	92080		4.0	6.0					0.000			0.000			0.000		
101601	L1116001	692018	92532		1.0	2.0					0.000			0.000			0.000		
101602	L1116002	692025	92510		1.0	2.0					0.000			0.000			0.000		
101604	L1116005	692012	92535		1.0	2.0					0.000			0.000			0.000		
101605	L1116006	692003	92526		1.0	2.0					0.000			0.000			0.000		
101605	L1116007	692003	92526		1.0	2.0					0.000			0.000			0.000		
101901	L1119001	691756	92245		0.0	1.0					350.000	13		20.000	1.3		0.092	0.13	
101901	L1119002	691756	92245		1.0	2.0					0.000			0.000			0.000		
101901	L1119003	691756	92245		2.0	4.0					0.000			0.000			0.000		
101901	L1119004	691756	92245		4.0	6.0					0.000			0.000			0.000		
101902	L1119005	691701	92291		0.0	1.0					170.000	13		17.000	1.3		0.029	0.13	
101902	L1119006	691701	92291		1.0	2.0					0.000			0.000			0.000		
101902	L1119007	691701	92291		2.0	4.0					0.000			0.000			0.000		
101902	L1119008	691701	92291		4.0	6.0					0.000			0.000			0.000		
101903	L1119011	691682	92349		0.0	1.0					170.000	13		16.000	1.3		0.079	0.13	
101903	L1119012	691682	92349		1.0	2.0					0.000			0.000			0.000		
101903	L1119013	691682	92349		2.0	4.0					0.000			0.000			0.000		
101903	L1119014	691682	92349		4.0	6.0					0.000			0.000			0.000		
101904	L1119015	691752	92256		0.0	1.0					200.000	13		18.000	1.3		0.045	0.13	
101904	L1119016	691752	92256		1.0	2.0					0.000			0.000			0.000		
101904	L1119017	691752	92256		2.0	4.0					0.000			0.000			0.000		
101904	L1119018	691752	92256		4.0	6.0					0.000			0.000			0.000		
101905	L1119019	691756	92280		0.0	1.0					190.000	13		17.000	1.3		0.065	0.13	U
101905	L1119020	691756	92280		1.0	2.0					0.000			0.000			0.000		
101905	L1119021	691756	92280		2.0	4.0					0.000			0.000			0.000		
101905	L1119022	691756	92280		4.0	6.0					0.000			0.000			0.000		
103601	L1136001	691816	93159		0.0	1.0					180.000	12		15.000	1.2		0.022	0.12	
103601	L1136002	691816	93159		1.0	2.0					0.000			0.000			0.000		
103601	L1136003	691816	93159		2.0	4.0					0.000			0.000			0.000		
103602	L1136004	691819	93152		0.0	1.0					150.000	11		10.000	1.1		0.023	0.11	
103602	L1136005	691819	93152		1.0	2.0					0.000			0.000			0.000		
103602	L1136006	691819	93152		2.0	4.0					0.000			0.000			0.000		

Table C-3c. All Post-Remedy Soil Data for Select Metals Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Barium			Chromium			Mercury		
											Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
103603	L1136007	691811	93151		0.0	1.0					220.000	14		17.000	1.4		0.021	0.14	
103603	L1136008	691811	93151		1.0	2.0					0.000			0.000			0.000		
103603	L1136009	691811	93151		2.0	4.0					0.000			0.000			0.000		
104001	L1140001	691989	92970		0.0	1.0					120.000	12		18.000	1.2		0.031	0.12	
104001	L1140002	691989	92970		1.0	2.0					0.000			0.000			0.000		
104001	L1140003	691989	92970		2.0	4.0					0.000			0.000			0.000		
104001	L1140004	691989	92970		4.0	6.0					0.000			0.000			0.000		
104002	L1140005	691966	92968		0.0	1.0					220.000	13		18.000	1.3		0.035	0.13	
104002	L1140007	691966	92968		1.0	2.0					0.000			0.000			0.000		
104002	L1140008	691966	92968		2.0	4.0					0.000			0.000			0.000		
104002	L1140009	691966	92968		4.0	6.0					0.000			0.000			0.000		
104003	L1140010	692020	92953		0.0	1.0					150.000	13		25.000	1.3		0.040	0.13	
104003	L1140011	692020	92953		0.0	1.0					0.000			0.000			0.000		
104003	L1140013	692020	92953		2.0	4.0					0.000			0.000			0.000		
104003	L1140014	692020	92953		4.0	6.0					0.000			0.000			0.000		
104004	L1140015	691950	92925		0.0	1.0					180.000	13		20.000	1.3		0.031	0.13	
104004	L1140016	691950	92925		1.0	2.0					0.000			0.000			0.000		
104004	L1140017	691950	92925		2.0	4.0					0.000			0.000			0.000		
104004	L1140018	691950	92925		4.0	6.0					0.000			0.000			0.000		
104005	L1140006	692034	92912		2.0	4.0					0.000			0.000			0.000		
104005	L1140020	692034	92912		0.0	1.0					170.000	13		23.000	1.3		0.044	0.13	
104005	L1140021	692034	92912		1.0	2.0					0.000			0.000			0.000		
104005	L1140022	692034	92912		2.0	4.0					0.000			0.000			0.000		
104005	L1140023	692034	92912		4.0	6.0					0.000			0.000			0.000		
104006	L1140024	692023	92873		0.0	1.0					150.000	13		14.000	1.3		0.021	0.13	
104006	L1140025	692023	92873		1.0	2.0					0.000			0.000			0.000		
104006	L1140026	692023	92873		2.0	4.0					0.000			0.000			0.000		
104006	L1140027	692023	92873		4.0	6.0					0.000			0.000			0.000		
104007	L1140028	691983	92874		0.0	1.0					170.000	12		14.000	1.2		0.032	0.12	
104007	L1140029	691983	92874		1.0	2.0					0.000			0.000			0.000		
104007	L1140030	691983	92874		2.0	4.0					0.000			0.000			0.000		
105001	L1150001	691709	92844		1.0	2.0					0.000			0.000			0.000		
105001	L1150002	691709	92844		2.0	4.0					0.000			0.000			0.000		
105001	L1150003	691709	92844		4.0	6.0					0.000			0.000			0.000		
105003	L1150007	691689	92828		0.0	1.0					160.000	13		15.000	1.3		0.020	0.13	
105003	L1150008	691689	92828		1.0	2.0					0.000			0.000			0.000		
105003	L1150009	691689	92828		2.0	4.0					0.000			0.000			0.000		
105003	L1150010	691689	92828		4.0	6.0					0.000			0.000			0.000		
105004	L1150011	691716	92826		0.0	1.0					170.000	13		15.000	1.3		0.290	0.5	
105004	L1150012	691716	92826		1.0	2.0					0.000			0.000			0.000		
105004	L1150013	691716	92826		2.0	4.0					0.000			0.000			0.000		

Table C-3c. All Post-Remedy Soil Data for Select Metals Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Barium			Chromium			Mercury		
											Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
105004	L1150014	691716	92826		4.0	6.0					0.000			0.000			0.000		
105301	L1153001	692136	92161		1.0	2.0					0.000			0.000			0.000		
105301	L1153001A	692136	92161		0.0	1.0					170.000	13		17.000	1.3		0.037	0.13	
105301	L1153003	692136	92161		2.0	4.0					0.000			0.000			0.000		
105301	L1153004	692136	92161		4.0	6.0					0.000			0.000			0.000		
105302	L1153002	692145	92145		0.0	1.0					160.000	12		16.000	1.2		0.029	0.12	
105302	L1153005	692145	92145		1.0	2.0					0.000			0.000			0.000		
105302	L1153005A	692145	92145		0.0	1.0					180.000	13		17.000	1.3		0.034	0.13	
105302	L1153006	692145	92145		2.0	4.0					0.000			0.000			0.000		
105302	L1153007	692145	92145		4.0	6.0					0.000			0.000			0.000		
105303	L1153008	692108	92140		1.0	2.0					0.000			0.000			0.000		
105303	L1153008A	692108	92140		0.0	1.0					140.000	12		14.000	1.2		0.060	0.12	U
105303	L1153009	692108	92140		2.0	4.0					0.000			0.000			0.000		
105303	L1153010	692108	92140		4.0	6.0					0.000			0.000			0.000		
106002	L1160006	691662	92877		0.0	1.0					400.000	12		16.000	1.2		0.200	0.12	
106002	L1160007	691662	92877		1.0	2.0					0.000			0.000			0.000		
106002	L1160008	691662	92877		2.0	4.0					0.000			0.000			0.000		
106002	L1160009	691662	92877		4.0	6.0					0.000			0.000			0.000		
106003	L1160010	691680	92888		0.0	1.0					210.000	11		6.700	1.1		0.057	0.11	
106003	L1160011	691680	92888		1.0	2.0					0.000			0.000			0.000		
106003	L1160012	691680	92888		2.0	4.0					0.000			0.000			0.000		
106003	L1160013	691680	92888		4.0	6.0					0.000			0.000			0.000		
106003	L1160014	691680	92888		4.0	6.0					0.000			0.000			0.000		
106004	L1160015	691680	92900		0.0	1.0					220.000	13		270.000	1.3		0.027	0.13	
106004	L1160016	691680	92900		1.0	2.0					0.000			0.000			0.000		
106004	L1160017	691680	92900		2.0	4.0					0.000			0.000			0.000		
106004	L1160019	691680	92900		4.0	6.0					0.000			0.000			0.000		
106101	L1161001	691947	93086		0.0	1.0					140.000	12		13.000	1.2		0.059	0.118	U
106101	L1161002	691947	93086		1.0	2.0					0.000			0.000			0.000		
106101	L1161003	691947	93086		2.0	4.0					0.000			0.000			0.000		
106101	L1161004	691947	93086		4.0	6.0					0.000			0.000			0.000		
106102	L1161005	691909	93057		0.0	1.0					200.000	13		16.000	1.3		0.033	0.13	
106102	L1161006	691909	93057		1.0	2.0					0.000			0.000			0.000		
106102	L1161007	691909	93057		1.0	2.0					0.000			0.000			0.000		
106102	L1161008	691909	93057		2.0	4.0					0.000			0.000			0.000		
106102	L1161009	691909	93057		4.0	6.0					0.000			0.000			0.000		
106104	L1161014	691956	93011		0.0	1.0					250.000	13		17.000	1.3		0.035	0.13	
106104	L1161015	691956	93011		1.0	2.0					0.000			0.000			0.000		
106104	L1161016	691956	93011		2.0	4.0					0.000			0.000			0.000		
106104	L1161017	691956	93011		4.0	6.0					0.000			0.000			0.000		
106301	L1163009	692099	92970		0.0	1.0					160.000	14		13.000	1.4		0.089	0.14	

Table C-3c. All Post-Remedy Soil Data for Select Metals Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Barium			Chromium			Mercury		
											Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
106301	L1163010	692099	92970		1.0	2.0					0.000			0.000			0.000		
106301	L1163011	692099	92970		2.0	4.0					0.000			0.000			0.000		
106301	L1163012	692099	92970		4.0	6.0					0.000			0.000			0.000		
106302	L1163013	692094	92997		0.0	1.0					75.000	13		8.700	1.3		0.037	0.13	
106302	L1163015	692094	92997		2.0	4.0					0.000			0.000			0.000		
106302	L1163016	692094	92997		4.0	6.0					0.000			0.000			0.000		
106303	L1163017	692099	93024		0.0	1.0					70.000	12		7.100	1.2		0.029	0.12	
106303	L1163018	692099	93024		1.0	2.0					0.000			0.000			0.000		
106303	L1163019	692099	93024		2.0	4.0					0.000			0.000			0.000		
106303	L1163020	692099	93024		4.0	6.0					0.000			0.000			0.000		
106304	L1163021	692101	93040		0.0	1.0					48.000	14		11.000	1.4		0.034	0.14	
106304	L1163022	692101	93040		1.0	2.0					0.000			0.000			0.000		
106304	L1163023	692101	93040		2.0	4.0					0.000			0.000			0.000		
106304	L1163024	692101	93040		4.0	6.0					0.000			0.000			0.000		
106305	L1163025	692073	93131		0.0	1.0					290.000	14		16.000	1.4		0.070	0.14	U
106305	L1163026	692073	93131		1.0	2.0					0.000			0.000			0.000		
106305	L1163027	692073	93131		1.0	2.0					0.000			0.000			0.000		
106305	L1163028	692073	93131		2.0	4.0					0.000			0.000			0.000		
106305	L1163029	692073	93131		4.0	6.0					0.000			0.000			0.000		
106306	L1163030	692055	93147		0.0	1.0					130.000	13		12.000	1.3		0.065	0.13	U
106306	L1163031	692055	93147		1.0	2.0					0.000			0.000			0.000		
106306	L1163032	692055	93147		2.0	4.0					0.000			0.000			0.000		
106306	L1163033	692055	93147		4.0	6.0					0.000			0.000			0.000		
106307	L1163034	692088	93113		0.0	1.0					250.000	12		14.000	1.2		0.044	0.12	
106307	L1163035	692088	93113		1.0	2.0					0.000			0.000			0.000		
106307	L1163036	692088	93113		2.0	4.0					0.000			0.000			0.000		
106307	L1163037	692088	93113		4.0	6.0					0.000			0.000			0.000		
106308	L1163038	692094	93102		0.0	1.0					270.000	13		20.000	1.3		0.056	0.13	
106308	L1163039	692094	93102		1.0	2.0					0.000			0.000			0.000		
106308	L1163040	692094	93102		2.0	4.0					0.000			0.000			0.000		
106308	L1163041	692094	93102		4.0	6.0					0.000			0.000			0.000		
106401	L1164001	692022	93174		0.0	1.0					19.000	13		2.800	1.3		0.065	0.13	U
106401	L1164002	692022	93174		1.0	2.0					0.000			0.000			0.000		
106401	L1164003	692022	93174		2.0	4.0					0.000			0.000			0.000		
106401	L1164004	692022	93174		4.0	6.0					0.000			0.000			0.000		
106401	L1164018	692022	93174		0.0	1.0					23.000	12		2.800	1.2		0.060	0.12	U
106402	L1164005	692011	93185		0.0	1.0					25.000	13		3.100	1.3		0.065	0.13	U
106402	L1164006	692011	93185		4.0	6.0					0.000			0.000			0.000		
106402	L1164007	692011	93185		2.0	4.0					0.000			0.000			0.000		
106402	L1164008	692011	93185		4.0	6.0					0.000			0.000			0.000		
106403	L1164009	692000	93195		0.0	1.0					110.000	12		11.000	1.2		0.060	0.12	U

Table C-3c. All Post-Remedy Soil Data for Select Metals Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Barium			Chromium			Mercury		
											Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
106403	L1164010	692000	93195		1.0	2.0					0.000			0.000			0.000		
106403	L1164011	692000	93195		2.0	4.0					0.000			0.000			0.000		
106403	L1164012	692000	93195		4.0	6.0					0.000			0.000			0.000		
106403	L1164013	692000	93195		4.0	6.0					0.000			0.000			0.000		
106404	L1164014	691970	93215		2.0	4.0					180.000	13		13.000	1.3		0.065	0.13	U
106404	L1164015	691970	93215		1.0	2.0					0.000			0.000			0.000		
106404	L1164016	691970	93215		2.0	4.0					0.000			0.000			0.000		
106404	L1164017	691970	93215		4.0	6.0					0.000			0.000			0.000		
106501	L1165001	692089	92859		0.0	1.0					14.000	11		0.550	1.1	U	0.024	0.11	
106501	L1165002	692089	92859		1.0	2.0					0.000			0.000			0.000		
106501	L1165003	692089	92859		2.0	4.0					0.000			0.000			0.000		
106501	L1165004	692089	92859		4.0	6.0					0.000			0.000			0.000		
106501	L1165005	692089	92859		4.0	6.0					0.000			0.000			0.000		
106502	L1165006	692086	92848		0.0	1.0					140.000	13		14.000	1.3		0.160	0.13	
106502	L1165007	692086	92848		1.0	2.0					0.000			0.000			0.000		
106502	L1165008	692086	92848		2.0	4.0					0.000			0.000			0.000		
106502	L1165009	692086	92848		4.0	6.0					0.000			0.000			0.000		
106503	L1165010	692175	92980		0.0	1.0					150.000	13		11.000	1.3		0.028	0.13	
106503	L1165011	692175	92980		1.0	2.0					0.000			0.000			0.000		
106503	L1165012	692175	92980		2.0	4.0					0.000			0.000			0.000		
106503	L1165013	692175	92980		4.0	6.0					0.000			0.000			0.000		
106503	L1165030	692175	92980		1.0	2.0					0.000			0.000			0.000		
106504	L1165014	692161	92912		0.0	1.0					170.000	13		12.000	1.3		0.031	0.13	
106504	L1165015	692161	92912		1.0	2.0					0.000			0.000			0.000		
106504	L1165016	692161	92912		2.0	4.0					0.000			0.000			0.000		
106504	L1165017	692161	92912		4.0	6.0					0.000			0.000			0.000		
106505	L1165018	692194	92823		0.0	1.0					200.000	13		12.000	1.3		0.036	0.13	
106505	L1165019	692194	92823		1.0	2.0					0.000			0.000			0.000		
106505	L1165020	692194	92823		2.0	4.0					0.000			0.000			0.000		
106505	L1165021	692194	92823		4.0	6.0					0.000			0.000			0.000		
106506	L1165022	692273	92884		0.0	1.0					250.000	13		13.000	1.3		0.055	0.13	
106506	L1165023	692273	92884		1.0	2.0					0.000			0.000			0.000		
106506	L1165024	692273	92884		2.0	4.0					0.000			0.000			0.000		
106506	L1165025	692273	92884		4.0	6.0					0.000			0.000			0.000		
106507	L1165026	692267	92904		0.0	1.0					160.000	12		16.000	1.2		0.032	0.12	
106507	L1165027	692267	92904		1.0	2.0					0.000			0.000			0.000		
106507	L1165028	692267	92904		2.0	4.0					0.000			0.000			0.000		
106507	L1165029	692267	92904		4.0	6.0					0.000			0.000			0.000		
106507	L1165031	692267	92904		0.0	1.0					120.000	12		8.100	1.2		0.040	0.12	
106601	L1166001	691723	92395		0.0	1.0					140.000	13		15.000	1.3		0.065	0.13	U
106601	L1166002	691723	92395		1.0	2.0					0.000			0.000			0.000		

Table C-3c. All Post-Remedy Soil Data for Select Metals Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Barium			Chromium			Mercury		
											Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
106601	L1166003	691723	92395		2.0	4.0					0.000			0.000			0.000		
106601	L1166004	691723	92395		4.0	6.0					0.000			0.000			0.000		
106602	L1166007	691680	92381		0.0	1.0					110.000	17		15.000	1.7		0.085	0.17	U
106602	L1166008	691680	92381		1.0	2.0					0.000			0.000			0.000		
106602	L1166009	691680	92381		2.0	4.0					0.000			0.000			0.000		
106602	L1166010	691680	92381		4.0	6.0					0.000			0.000			0.000		
106701	L1167001	691949	93193		0.0	1.0					150.000	12		12.000	1.2		0.394	0.559	
106701	L1167002	691949	93193		1.0	2.0					0.000			0.000			0.000		
106701	L1167003	691949	93193		2.0	4.0					0.000			0.000			0.000		
106701	L1167004	691949	93193		4.0	6.0					0.000			0.000			0.000		
106702	L1167005	691953	93162		0.0	1.0					160.000	13		14.000	1.3		0.450	0.13	
106702	L1167006	691953	93162		1.0	2.0					0.000			0.000			0.000		
106702	L1167007	691953	93162		1.0	2.0					0.000			0.000			0.000		
106702	L1167008	691953	93162		4.0	6.0					0.000			0.000			0.000		
106703	L1167009	691973	93141		0.0	1.0					160.000	12		13.000	1.2		0.062	0.124	U
106703	L1167010	691973	93141		1.0	2.0					0.000			0.000			0.000		
106703	L1167011	691973	93141		2.0	4.0					0.000			0.000			0.000		
106703	L1167012	691973	93141		4.0	6.0					0.000			0.000			0.000		
107001	L1170001	691981	92458		0.0	1.0					200.000	12		18.000	1.2		0.032	0.12	
107001	L1170002	691981	92458		1.0	2.0					0.000			0.000			0.000		
107001	L1170003	691981	92458		2.0	4.0					0.000			0.000			0.000		
107001	L1170004	691981	92458		4.0	6.0					0.000			0.000			0.000		
107002	L1170005	691961	92498		0.0	1.0					340.000	14		16.000	1.4		0.051	0.14	
107002	L1170006	691961	92498		1.0	2.0					0.000			0.000			0.000		
107002	L1170007	691961	92498		2.0	4.0					0.000			0.000			0.000		
107002	L1170008	691961	92498		4.0	6.0					0.000			0.000			0.000		
107004	L1170014	691976	92478		0.0	1.0					230.000	12		15.000	1.2		0.043	0.12	
107004	L1170015	691976	92478		1.0	2.0					0.000			0.000			0.000		
107004	L1170016	691976	92478		2.0	4.0					0.000			0.000			0.000		
107004	L1170017	691976	92478		4.0	6.0					0.000			0.000			0.000		
107101	L1171001	691874	92664		0.0	1.0					210.000	12		18.000	1.2		0.170	0.12	
107101	L1171002	691874	92664		1.0	2.0					0.000			0.000			0.000		
107101	L1171003	691874	92664		2.0	4.0					0.000			0.000			0.000		
107101	L1171004	691874	92664		4.0	6.0					0.000			0.000			0.000		
107201	L1172001	691875	92586		0.0	1.0					210.000	13		17.000	1.3		0.054	0.13	
107201	L1172002	691875	92586		1.0	2.0					0.000			0.000			0.000		
107201	L1172003	691875	92586		2.0	4.0					0.000			0.000			0.000		
107201	L1172004	691875	92586		4.0	6.0					0.000			0.000			0.000		
107201	L1172005	691875	92586		4.0	6.0					0.000			0.000			0.000		
107303	L1173009	691882	92517		0.0	1.0					160.000	18		28.000	1.8		1.400	0.18	
107303	L1173010	691882	92517		1.0	2.0					0.000			0.000			0.000		

Table C-3c. All Post-Remedy Soil Data for Select Metals Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Barium			Chromium			Mercury		
											Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
107303	L1173011	691882	92517		2.0	4.0					0.000			0.000			0.000		
107303	L1173012	691882	92517		4.0	6.0					0.000			0.000			0.000		
107304	L1173013	691895	92491		0.0	1.0					180.000	12		17.000	1.2		0.056	0.12	
107304	L1173014	691895	92491		1.0	2.0					0.000			0.000			0.000		
107304	L1173015	691895	92491		2.0	4.0					0.000			0.000			0.000		
107304	L1173016	691895	92491		4.0	6.0					0.000			0.000			0.000		
107305	L1173017	691925	92475		0.0	1.0					150.000	13		19.000	1.3		0.093	0.13	
107305	L1173018	691925	92475		1.0	2.0					0.000			0.000			0.000		
107305	L1173019	691925	92475		2.0	4.0					0.000			0.000			0.000		
107305	L1173020	691925	92475		4.0	6.0					0.000			0.000			0.000		
107401	L1174001	691962	92425		0.0	1.0					190.000	13		17.000	1.3		0.032	0.13	
107401	L1174002	691962	92425		1.0	2.0					0.000			0.000			0.000		
107401	L1174003	691962	92425		2.0	4.0					0.000			0.000			0.000		
107401	L1174004	691962	92425		4.0	6.0					0.000			0.000			0.000		
107501	L1175001	691970	92319		0.0	1.0					220.000	13		15.000	1.3		0.031	0.13	
107501	L1175002	691970	92319		1.0	2.0					0.000			0.000			0.000		
107501	L1175003	691970	92319		2.0	4.0					0.000			0.000			0.000		
107501	L1175004	691970	92319		4.0	6.0					0.000			0.000			0.000		
107601	L1176001	691995	92243		0.0	1.0					270.000	13		30.000	1.3		0.220	0.13	
107601	L1176002	691995	92243		1.0	2.0					0.000			0.000			0.000		
107601	L1176003	691995	92243		1.0	2.0					0.000			0.000			0.000		
107601	L1176004	691995	92243		2.0	4.0					0.000			0.000			0.000		
107601	L1176005	691995	92243		4.0	6.0					0.000			0.000			0.000		
107701	L1177001	691839	93355		0.0	1.0					190.000	14		200.000	1.4		0.038	0.14	
107701	L1177002	691839	93355		1.0	2.0					0.000			0.000			0.000		
107701	L1177003	691839	93355		2.0	4.0					0.000			0.000			0.000		
107701	L1177004	691839	93355		4.0	6.0					0.000			0.000			0.000		
108501	L1185001	692145	93053		0.0	1.0					130.000	12		10.000	1.2		0.026	0.12	
108501	L1185002	692145	93053		1.0	2.0					0.000			0.000			0.000		
108501	L1185003	692145	93053		2.0	4.0					0.000			0.000			0.000		
108501	L1185004	692145	93053		4.0	6.0					0.000			0.000			0.000		
108502	L1185005	692193	93114		0.0	1.0					130.000	12		9.800	1.2		0.020	0.12	
108502	L1185006	692193	93114		1.0	2.0					0.000			0.000			0.000		
108502	L1185007	692193	93114		1.0	2.0					0.000			0.000			0.000		
108502	L1185009	692193	93114		4.0	6.0					0.000			0.000			0.000		
110001	L11100001	691889	92747		0.0	1.0					200.000	15		21.000	1.5		0.054	0.15	
110001	L11100002	691889	92747		1.0	2.0					0.000			0.000			0.000		
110001	L11100003	691889	92747		2.0	4.0					0.000			0.000			0.000		
110001	L11100004	691889	92747		2.0	4.0					0.000			0.000			0.000		
110003	L11100009	691958	92733		4.0	6.0					0.000			0.000			0.000		
110003	L11100010	691958	92733		0.0	1.0					170.000	12		18.000	1.2		0.048	0.12	

Table C-3c. All Post-Remedy Soil Data for Select Metals Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Barium			Chromium			Mercury		
											Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
110003	L11100011	691958	92733		1.0	2.0					0.000			0.000			0.000		
110003	L11100012	691958	92733		1.0	2.0					0.000			0.000			0.000		
110003	L11100013	691958	92733		2.0	4.0					0.000			0.000			0.000		
110003	L11100014	691958	92733		4.0	6.0					0.000			0.000			0.000		
110021	L111002001	691703	92269		0.0	1.0					170.000	13		17.000	1.3		0.038	0.13	
110021	L111002002	691703	92269		0.0	1.0					190.000	13		14.000	1.3		0.034	0.13	
110021	L111002003	691703	92269		1.0	2.0					0.000			0.000			0.000		
110021	L111002004	691703	92269		2.0	4.0					0.000			0.000			0.000		
110021	L111002005	691703	92269		4.0	6.0					0.000			0.000			0.000		
110021	L111002006	691703	92269		4.0	6.0					0.000			0.000			0.000		
112421	L11124001	691974	93402		1.0	2.0					0.000			0.000			0.000		
112421	L11124002	691974	93402		2.0	4.0					0.000			0.000			0.000		
112421	L11124003	691974	93402		4.0	6.0					0.000			0.000			0.000		
112422	L11124004	691977	93392		1.0	2.0					0.000			0.000			0.000		
112422	L11124005	691977	93392		2.0	4.0					0.000			0.000			0.000		
112422	L11124006	691977	93392		4.0	6.0					0.000			0.000			0.000		
112423	L11124007	691956	93454		1.0	2.0					0.000			0.000			0.000		
112423	L11124008	691956	93454		2.0	4.0					0.000			0.000			0.000		
112423	L11124009	691956	93454		4.0	6.0					0.000			0.000			0.000		
112901	L11129001	691933	93378		1.0	2.0					0.000			0.000			0.000		
112901	L11129002	691933	93378		2.0	4.0					0.000			0.000			0.000		
112901	L11129003	691933	93378		4.0	6.0					0.000			0.000			0.000		
112902	L11129004	691961	93373		1.0	2.0					0.000			0.000			0.000		
112902	L11129005	691961	93373		2.0	4.0					0.000			0.000			0.000		
112902	L11129006	691961	93373		2.0	4.0					0.000			0.000			0.000		
112903	L11129007	691939	93367		1.0	2.0					0.000			0.000			0.000		
112903	L11129008	691939	93367		2.0	4.0					0.000			0.000			0.000		
112903	L11129009	691939	93367		4.0	6.0					0.000			0.000			0.000		
115201	L11152001	691670	93440		1.0	2.0					0.000			0.000			0.000		
115201	L11152002	691670	93440		2.0	4.0					0.000			0.000			0.000		
115202	L11152003	691677	93430		1.0	2.0					0.000			0.000			0.000		
115202	L11152004	691677	93430		2.0	4.0					0.000			0.000			0.000		
115203	L11152005	691655	93409		1.0	2.0					0.000			0.000			0.000		
115203	L11152006	691655	93409		2.0	4.0					0.000			0.000			0.000		
115204	L11152007	691646	93444		1.0	2.0					0.000			0.000			0.000		
115204	L11152008	691646	93444		2.0	4.0					0.000			0.000			0.000		
115205	L11152009	691681	93484		1.0	2.0					0.000			0.000			0.000		
115205	L11152009DL	691681	93484		1.0	2.0					0.000			0.000			0.000		
115205	L11152011	691681	93484		2.0	4.0					0.000			0.000			0.000		
115206	L11152012	691648	93431		1.0	2.0					0.000			0.000			0.000		
115206	L11152013	691648	93431		2.0	4.0					0.000			0.000			0.000		

Table C-3c. All Post-Remedy Soil Data for Select Metals Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Barium			Chromium			Mercury		
											Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
115207	L11152014	691651	93420		1.0	2.0					0.000			0.000			0.000		
115207	L11152015	691651	93420		2.0	4.0					0.000			0.000			0.000		
115501	L11155001	691829	92890		0.0	1.0					170.000	13		210.000	1.3		0.053	0.13	
115501	L11155002	691829	92890		1.0	2.0					0.000			0.000			0.000		
115501	L11155003	691829	92890		2.0	4.0					0.000			0.000			0.000		
115501	L11155004	691829	92890		4.0	6.0					0.000			0.000			0.000		
115501	L11155005	691829	92890		4.0	6.0					0.000			0.000			0.000		
115502	L11155006	691921	92626		0.0	1.0					200.000	12		62.000	1.2		0.040	0.12	
115502	L11155007	691921	92626		1.0	2.0					0.000			0.000			0.000		
115502	L11155008	691921	92626		2.0	4.0					0.000			0.000			0.000		
115502	L11155009	691921	92626		4.0	6.0					0.000			0.000			0.000		
115503	L11155010	692016	92333		0.0	1.0					180.000	12		18.000	1.2		0.035	0.12	
115503	L11155011	692016	92333		1.0	2.0					0.000			0.000			0.000		
115503	L11155012	692016	92333		2.0	4.0					0.000			0.000			0.000		
116901	L11169001	691798	92297		0.0	1.0					0.000			0.000			0.000		
116901	L11169002	691798	92297		1.0	2.0					0.000			0.000			0.000		
116902	L1169003	691703	93210		0.0	1.0					0.000			0.000			0.000		
116902	L1169004	691703	93210		1.0	2.0					0.000			0.000			0.000		
116903	L11169005	691920	92946		0.0	1.0					0.000			0.000			0.000		
116903	L11169006	691920	92946		1.0	2.0					0.000			0.000			0.000		
116904	L11169007	691946	92866		0.0	1.0					0.000			0.000			0.000		
116904	L11169008	691946	92866		1.0	2.0					0.000			0.000			0.000		
116905	L11169009	692120	92125		0.0	1.0					0.000			0.000			0.000		
116905	L11169010	692120	92125		1.0	2.0					0.000			0.000			0.000		
116906	L11169011	692028	92646		1.0	2.0					0.000			0.000			0.000		
116907	L11169013	692114	92355		0.0	1.0					0.000			0.000			0.000		
116907	L11169014	692114	92355		1.0	2.0					0.000			0.000			0.000		
116908	L11169016	692066	92273		0.0	1.0					0.000			0.000			0.000		
116908	L11169017	692066	92273		1.0	2.0					0.000			0.000			0.000		
116909	L11169018	691757	92233		0.0	1.0					0.000			0.000			0.000		
116909	L11169019	691757	92233		1.0	2.0					0.000			0.000			0.000		
116910	L11169020	691979	93373		0.0	1.0					0.000			0.000			0.000		
116910	L11169021	691979	93373		1.0	2.0					0.000			0.000			0.000		
116911	L11169022	691769	93328		0.0	1.0					0.000			0.000			0.000		
116911	L11169023	691769	93328		1.0	2.0					0.000			0.000			0.000		
116912	L11169024	691863	93415		0.0	1.0					0.000			0.000			0.000		
116912	L11169025	691863	93415		1.0	2.0					0.000			0.000			0.000		
116913	L11169026	691701	92898		0.0	1.0					0.000			0.000			0.000		
116913	L11169027	691701	92898		1.0	2.0					0.000			0.000			0.000		
116914	L11169028	691725	93411		0.0	1.0					0.000			0.000			0.000		
116914	L11169028DL	691725	93411		0.0	1.0					0.000			0.000			0.000		

Table C-3c. All Post-Remedy Soil Data for Select Metals Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Barium			Chromium			Mercury		
											Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
116914	L11169029	691725	93411		1.0	2.0					0.000			0.000			0.000		
116914	L11169029DL	691725	93411		1.0	2.0					0.000			0.000			0.000		
116915	L11169030	691883	93355		0.0	1.0					0.000			0.000			0.000		
116915	L11169031	691883	93355		0.0	1.0					0.000			0.000			0.000		
116916	L11169032	692204	93063		0.0	1.0					0.000			0.000			0.000		
116916	L11169033	692204	93063		0.0	1.0					0.000			0.000			0.000		
116916	L11169034	692204	93063		1.0	2.0					0.000			0.000			0.000		
116917	L11169035	691698	92263		0.0	1.0					0.000			0.000			0.000		
116917	L11169036	691698	92263		1.0	2.0					0.000			0.000			0.000		
116918	L11169037	691949	93168		0.0	1.0					0.000			0.000			0.000		
116918	L11169038	691949	93168		1.0	2.0					0.000			0.000			0.000		
116919	L11169039	692104	92656		0.0	1.0					0.000			0.000			0.000		
116919	L11169040	692104	92656		1.0	2.0					0.000			0.000			0.000		
116920	L11169041	691813	92098		0.0	1.0					0.000			0.000			0.000		
116920	L11169042	691813	92098		1.0	2.0					0.000			0.000			0.000		
116920	L11169043	691813	92098		1.0	2.0					0.000			0.000			0.000		
116921	L11169044	692141	92572		0.0	1.0					0.000			0.000			0.000		
116921	L11169045	692141	92572		1.0	2.0					0.000			0.000			0.000		
116922	L11169046	692089	92779		0.0	1.0					0.000			0.000			0.000		
116922	L11169047	692089	92779		1.0	2.0					0.000			0.000			0.000		
116925	L11169052	691675	93311		0.0	1.0					0.000			0.000			0.000		
116925	L11169053	691675	93311		1.0	2.0					0.000			0.000			0.000		
160302	L1163014	692094	92997		1.0	2.0					0.000			0.000			0.000		
163701	L1163001	691731	92351		0.0	1.0					200.000	14		19.000	1.4		0.070	0.14	U
163701	L1163002	691731	92351		1.0	2.0					0.000			0.000			0.000		
163701	L1163003	691731	92351		2.0	4.0					0.000			0.000			0.000		
163701	L1163004	691731	92351		4.0	6.0					0.000			0.000			0.000		
163702	L1163005	691759	92309		0.0	1.0					140.000	16		14.000	1.6		0.043	0.16	
163702	L1163006	691759	92309		1.0	2.0					0.000			0.000			0.000		
163702	L1163007	691759	92309		2.0	4.0					0.000			0.000			0.000		
163702	L1163008	691759	92309		4.0	6.0					0.000			0.000			0.000		
10DD01	L110DD001	691669	93262		0.0	1.0					140.000	12		16.000	1.2		0.039	0.12	
10DD01	L110DD002	691669	93262		1.0	2.0					0.000			0.000			0.000		
10DD01	L110DD003	691669	93262		2.0	4.0					0.000			0.000			0.000		
10DD01	L110DD004	691669	93262		4.0	6.0					0.000			0.000			0.000		
10DD02	L110DD005	691641	93234		0.0	1.0					170.000	14		19.000	1.4		0.038	0.14	
10DD02	L110DD006	691641	93234		1.0	2.0					0.000			0.000			0.000		
10DD02	L110DD007	691641	93234		2.0	4.0					0.000			0.000			0.000		
10DD02	L110DD008	691641	93234		4.0	6.0					0.000			0.000			0.000		
10DD03	L110DD009	691565	93119		0.0	1.0					440.000	13		29.000	1.3		0.240	0.13	
10DD03	L110DD010	691565	93119		1.0	2.0					0.000			0.000			0.000		

Table C-3c. All Post-Remedy Soil Data for Select Metals Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Barium			Chromium			Mercury		
											Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
10DD03	L110DD011	691565	93119		2.0	4.0					0.000			0.000			0.000		
10DD03	L110DD012	691565	93119		4.0	6.0					0.000			0.000			0.000		
10DD04	L110DD013	691508	93081		0.0	1.0					160.000	13		14.000	1.3		0.024	0.13	
10DD04	L110DD014	691508	93081		1.0	2.0					0.000			0.000			0.000		
10DD04	L110DD015	691508	93081		2.0	4.0					0.000			0.000			0.000		
10DD04	L110DD016	691508	93081		2.0	4.0					0.000			0.000			0.000		
10DD04	L110DD017	691508	93081		4.0	6.0					0.000			0.000			0.000		
10DD05	L110DD018	691525	93099		0.0	1.0					220.000	14		19.000	1.4		0.028	0.14	
10DD05	L110DD019	691525	93099		1.0	2.0					0.000			0.000			0.000		
10DD07	L110DD026	691660	93153		0.0	1.0					140.000	12		13.000	1.2		0.033	0.12	
10DD07	L110DD027	691660	93153		1.0	2.0					0.000			0.000			0.000		
10DD07	L110DD028	691660	93153		2.0	4.0					0.000			0.000			0.000		
10DD07	L110DD029	691660	93153		4.0	6.0					0.000			0.000			0.000		
10DD09	L110DD034	691861	92762		0.0	1.0					300.000	13		18.000	1.3		0.041	0.13	
10DD09	L110DD035	691861	92762		1.0	2.0					0.000			0.000			0.000		
10DD09	L110DD036	691861	92762		2.0	4.0					0.000			0.000			0.000		
10DD09	L110DD037	691861	92762		4.0	6.0					0.000			0.000			0.000		
10DD10	L110DD038	691839	92768		0.0	1.0					160.000	14		23.000	1.4		0.043	0.14	
10DD10	L110DD039	691839	92768		0.0	1.0					170.000	14		21.000	1.4		0.032	0.14	
10DD10	L110DD040	691839	92768		1.0	2.0					0.000			0.000			0.000		
10DD10	L110DD041	691839	92768		2.0	4.0					0.000			0.000			0.000		
10DD10	L110DD042	691839	92768		4.0	6.0					0.000			0.000			0.000		
10DD11	L110DD043	691762	92784		0.0	1.0					180.000	15		100.000	1.5		0.081	0.15	
10DD11	L110DD044	691762	92784		1.0	2.0					0.000			0.000			0.000		
10DD11	L110DD045	691762	92784		1.0	2.0					0.000			0.000			0.000		
10DD11	L110DD046	691762	92784		2.0	4.0					0.000			0.000			0.000		
10DD11	L110DD047	691762	92784		4.0	6.0					0.000			0.000			0.000		
10DD12	L110DD048	691726	92790		0.0	1.0					140.000	14		14.000	1.4		0.030	0.14	
10DD12	L110DD049	691726	92790		1.0	2.0					0.000			0.000			0.000		
10DD12	L110DD050	691726	92790		2.0	4.0					0.000			0.000			0.000		
10DD12	L110DD051	691726	92790		4.0	6.0					0.000			0.000			0.000		
10DD13	L110DD052	691627	92701		0.0	1.0					120.000	13		14.000	1.3		0.026	0.13	
10DD13	L110DD053	691627	92701		1.0	2.0					0.000			0.000			0.000		
10DD13	L110DD054	691627	92701		2.0	4.0					0.000			0.000			0.000		
10DD13	L110DD055	691627	92701		4.0	6.0					0.000			0.000			0.000		
10DD14	L110DD056	691617	92673		0.0	1.0					160.000	13		13.000	1.3		0.046	0.13	
10DD14	L110DD057	691617	92673		1.0	2.0					0.000			0.000			0.000		
10DD14	L110DD058	691617	92673		2.0	4.0					0.000			0.000			0.000		
10DD14	L110DD059	691617	92673		4.0	6.0					0.000			0.000			0.000		
10DD15	L110DD060	691625	92545		0.0	1.0					70.000	12		6.900	1.2		0.020	0.12	
10DD15	L110DD061	691625	92545		1.0	2.0					0.000			0.000			0.000		

Table C-3c. All Post-Remedy Soil Data for Select Metals Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Barium			Chromium			Mercury		
											Result	DL	VQ	Result	DL	VQ	Result	DL	VQ
10DD15	L110DD062	691625	92545		2.0	4.0					0.000			0.000			0.000		
10DD15	L110DD063	691625	92545		4.0	6.0					0.000			0.000			0.000		
10DD16	L110DD065	691588	92546		1.0	2.0					0.000			0.000			0.000		
10DD16	L110DD066	691588	92546		2.0	4.0					0.000			0.000			0.000		
10DD16	L110DD067	691588	92546		4.0	6.0					0.000			0.000			0.000		
10DD17	L110DD069	691547	92435		1.0	2.0					0.000			0.000			0.000		
10DD17	L110DD070	691547	92435		2.0	4.0					0.000			0.000			0.000		
10DD17	L110DD071	691547	92435		4.0	6.0					0.000			0.000			0.000		
10DD17	L110DD072	691547	92435		4.0	6.0					0.000			0.000			0.000		
10DD18	L110DD074	691582	92419		1.0	2.0					0.000			0.000			0.000		
10DD18	L110DD075	691582	92419		2.0	4.0					0.000			0.000			0.000		
10DD18	L110DD076	691582	92419		4.0	6.0					0.000			0.000			0.000		
10DD19	L110DD077	691678	92547		0.0	1.0					12,000.000	740		190.000	1.5		0.120	0.15	
10DD19	L110DD078DL	691678	92547		1.0	2.0					0.000			0.000			0.000		
10DD19	L110DD079DL	691678	92547		2.0	4.0					0.000			0.000			0.000		
10DD20	L110DD081	691806	92511		0.0	1.0					120.000	13		14.000	1.3		0.026	0.13	
10DD20	L110DD082	691806	92511		1.0	2.0					0.000			0.000			0.000		
10DD20	L110DD083	691806	92511		2.0	4.0					0.000			0.000			0.000		
10DD20	L110DD084	691806	92511		4.0	6.0					0.000			0.000			0.000		
10DD21	L110DD085	691838	92504		0.0	1.0					220.000	13		15.000	1.3		0.023	0.13	
10DD21	L110DD086	691838	92504		1.0	2.0					0.000			0.000			0.000		
10DD21	L110DD087	691838	92504		2.0	4.0					0.000			0.000			0.000		
10DD21	L110DD088	691838	92504		4.0	6.0					0.000			0.000			0.000		
10DD22	L110DD089	691858	92111		0.0	1.0					190.000	13		16.000	1.3		0.036	0.13	
10DD22	L110DD090	691858	92111		1.0	2.0					0.000			0.000			0.000		
10DD22	L110DD091	691858	92111		2.0	4.0					0.000			0.000			0.000		
10DD22	L110DD092	691858	92111		4.0	6.0					0.000			0.000			0.000		
10DD23	L110DD094	691798	92021		1.0	2.0					0.000			0.000			0.000		
10DD23	L110DD095	691798	92021		2.0	4.0					0.000			0.000			0.000		
10DD23	L110DD096	691798	92021		4.0	6.0					0.000			0.000			0.000		
10DD25	L110DD102	691742	92808		2.0	4.0					210.000	13		24.000	1.3		0.049	0.13	
10DD25	L110DD103	691742	92808		1.0	2.0					0.000			0.000			0.000		
10DD25	L110DD104	691742	92808		2.0	4.0					0.000			0.000			0.000		
10DD25	L110DD105	691742	92808		4.0	6.0					0.000			0.000			0.000		
10DD26	L110DD106	691759	92856		0.0	1.0					680.000	13		30.000	1.3		0.038	0.13	
10DD26	L110DD107	691759	92856		1.0	2.0					0.000			0.000			0.000		
10DD26	L110DD108	691759	92856		2.0	4.0					0.000			0.000			0.000		
10DD26	L110DD109	691759	92856		4.0	6.0					0.000			0.000			0.000		
10DD27	L110DD110	691918	91943		0.0	1.0					130.000	13		13.000	1.3		0.017	0.13	
10DD27	L110DD111	691918	91943		1.0	2.0					0.000			0.000			0.000		

Table C-3c. All Post-Remedy Soil Data for Select Metals Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Barium			Chromium			Mercury				
											Result	DL	VQ	Result	DL	VQ	Result	DL	VQ		
10DD27	L110DD112	691918	91943		2.0	4.0					0.000			0.000			0.000				
10DD27	L110DD113	691918	91943		4.0	6.0					0.000			0.000			0.000				
10DD28	L110DD115	691840	91886		1.0	2.0					0.000			0.000			0.000				
10DD28	L110DD116	691840	91886		2.0	4.0					0.000			0.000			0.000				
10DD28	L110DD117	691840	91886		4.0	6.0					0.000			0.000			0.000				
10DD29	L110DD131	691632	93305		0.0	1.0					230.000	13		15.000	1.3		0.055	0.13			
10DD29	L110DD132	691632	93305		1.0	2.0					0.000			0.000			0.000				
10DD29	L110DD133	691632	93305		2.0	4.0					0.000			0.000			0.000				
10DD29	L110DD134	691632	93305		4.0	6.0					0.000			0.000			0.000				
L1-E2-C001	IAAP112183						EU3	A	2	east wall BC 1 and 4	162.00	0.34	=	15.90	0.72	J	0.06	0.013	=		
L1-E2-C002	IAAP112184											south wall BC 1 and 2	165.00	0.34	=	22.20	0.72	J	0.14	0.013	=
L1-E2-C003	IAAP112185											west wall BC 2 and 3	202.00	0.37	=	17.30	0.77	J	0.10	0.014	=
L1-E2-C004	IAAP112186											north wall BC 3 and 4	183.00	0.34	=	21.60	0.71	J	0.12	0.013	=
L1-E2-C005	IAAP112187											floor of EXC	225.00	0.36	=	15.50	0.76	J	0.00		
L1-E7-C001	IAAP112242						EU4	B & C	7 & 8	NW wall BC 1 and 2	215.00	0.35	=	15.40	0.72	=	0.06	0.014	=		
L1-E7-C002	IAAP112243											NE wall BC 1, 5, and 4	120.00	0.35	=	13.20	0.73	=	0.03	0.014	=
L1-E7-C003	IAAP112244											SW wall BC 3 and 4	224.00	0.37	=	14.90	0.77	=	0.06	0.014	=
L1-E7-C004	IAAP112245											SE wall BC 2 and 3	197.00	0.35	=	16.80	0.74	=	0.06	0.014	=
L1-E7-C005	IAAP112246											floor of EXC	192.00	0.35	=	18.80	0.74	=	0.05	0.014	=
L1-E10-C001	IAAP112253						EU4	E	10	north wall BC 12, 13, and 1	243.00	0.65	=	16.70	1.4	J	0.03	0.013	=		
L1-E10-C002	IAAP112254											east wall BC 1 and 2	287.00	0.65	=	59.20	1.4	J	0.09	0.013	=
L1-E10-C003	IAAP112255											south wall BC 6 and 7	317.00	0.66	=	35.40	1.4	J	0.04	0.013	=
L1-E10-C004	IAAP112256											west wall BC 11 and 12	212.00	0.65	=	87.20	1.4	J	0.11	0.013	=
L1-E10-C005	IAAP112257											floor of EXC	444.00	0.68	=	170.00	1.4	J	0.29	0.013	=
L1-E14-C001	IAAP112292						EU5	D	14	north wall BC 1 and 8	299.00	0.37	=	49.10	0.77	=	0.22	0.014	=		
L1-E14-C002	IAAP112293											east wall BC 1 and 2	276.00	0.37	=	27.40	0.78	=	0.06	0.015	=
L1-E14-C004	IAAP112295											west wall BC 7 and 8	302.00	0.38	=	21.10	0.79	=	0.06	0.015	=
L1-E14-C005	IAAP112296											floor of EXC	243.00	0.36	=	19.40	0.76	=	0.04	0.014	=
L1-E20-C001	IAAP112327						EU5	J	20	north wall BC 1 and 2	216.00	0.34	=	19.50	0.71	=	0.06	0.013	=		
L1-E20-C002	IAAP112328											east wall BC 2 and 3	286.00	0.34	=	19.00	0.7	=	0.05	0.013	=
L1-E20-C006	IAAP112330											floor of EXC	203.00	0.33	=	20.10	0.68	=	0.05	0.013	=

Notes:

Field duplicates removed.

Maximums of dilution and parent results used.

VQ symbols indicate: “=” positive identification, positive quantitation, no reason to estimate, “U” non-detect, no reason to estimate, “J” positive identification, estimated quantitation, “UJ” analyte was not detected and had QC deficiencies.

Table C-3c. All Post-Remedy Soil Data for Select Metals Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Selenium			Silver		
											Result	DL	VQ	Result	DL	VQ
IAAP100000	IAAP100000	691723.44	93385.79	03/28/07	0	0.5					0.00			0.00		
IAAP100000	IAAP100001	691723.44	93385.79	03/28/07	0.5	1					0.00			0.00		
IAAP100002	IAAP100002	691726.92	93376.03	03/28/07	0	0.5					0.00			0.00		
IAAP100002	IAAP100003	691726.92	93376.03	03/28/07	0.5	1					0.00			0.00		
IAAP100004	IAAP100004	691732.81	93366.73	03/28/07	0	0.5					0.00			0.00		
IAAP100004	IAAP100005	691732.81	93366.73	03/28/07	0.5	1					0.00			0.00		
IAAP100006	IAAP100006	691735.81	93358.42	03/28/07	0	0.5					0.00			0.00		
IAAP100006	IAAP100007	691735.81	93358.42	03/28/07	0.5	1					0.00			0.00		
IAAP100008	IAAP100008	691739.66	93346.54	03/28/07	0	0.5					0.00			0.00		
IAAP100008	IAAP100009	691739.66	93346.54	03/28/07	0.5	1					0.00			0.00		
IAAP100031	IAAP100031	691727.31	93292.52	03/29/07	0	0.5					0.00			0.00		
IAAP100034	IAAP100034	691728.18	93296.62	03/29/07	0	0.5					0.00			0.00		
IAAP100046	IAAP100046	691996.61	93031.05	03/23/07	0	0.5					0.66	0.22	=	0.00		
IAAP136603	IAAP100047	691990.48	93027.37	03/23/07	0	0.5					0.22	0.21	=	0.00		
IAAP100048	IAAP100048	691996.18	93025.73	03/23/07	0	0.5					0.70	0.23	=	0.00		
IAAP100051	IAAP100051	691943.22	92732.92	04/16/07	0	0.5					0.00			0.00		
IAAP100051	IAAP100052	691943.22	92732.92	04/16/07	1	2					0.00			0.00		
IAAP100057	IAAP100057	691587.61	92871.04	04/12/07	0	0.5					0.00			0.13	0.25	U
IAAP100058	IAAP100058	691571.87	92865.95	04/12/07	0	0.5					0.00			0.13	0.26	U
IAAP100059	IAAP100059	691922.71	92626.5	04/15/07	0	0.5					0.00			0.00		
IAAP100060	IAAP100060	691917.77	92621.56	04/15/07	0	0.5					0.00			0.00		
IAAP100061	IAAP100061	691921.19	92615.5	04/15/07	0	0.5					0.00			0.00		
IAAP100062	IAAP100062	691693.75	92886.11	04/12/07	0	0.5					0.00			0.00		
IAAP100063	IAAP100063	691696.5	92877.2	04/12/07	0	0.5					0.00			0.00		
IAAP100064	IAAP100064	691689.05	92879.37	04/12/07	0	0.5					0.00			0.00		
IAAP100066	IAAP100066	691749.63	92654.13	04/12/07	0	0.5					0.00			0.00		
IAAP100068	IAAP100068	691682.18	92883.19	04/12/07	0	0.5					0.00			0.00		
IAAP100070	IAAP100070	691851.03	92973.78	04/12/07	0	0.5					0.00			0.00		
IAAP100071	IAAP100071	691694.48	92747.08	04/11/07	0	0.5					0.00			0.00		
IAAP100087	IAAP100087	691886.05	92824.82	04/16/07	0	0.5					0.00			0.00		
IAAP100000	IAAP100112	691723.44	93385.79	03/28/07	1	1.5					0.00			0.00		
IAAP100002	IAAP100113	691726.92	93376.03	03/28/07	1	1.5					0.00			0.00		
IAAP100004	IAAP100114	691732.81	93366.73	03/28/07	1	1.5					0.00			0.00		
IAAP100006	IAAP100115	691735.81	93358.42	03/28/07	1	1.5					0.00			0.00		
IAAP100008	IAAP100116	691739.66	93346.54	03/28/07	1	1.5					0.00			0.00		
IAAP103900	IAAP103900	691723.57	93391.67	05/29/07	0	0.5					0.00			0.00		
IAAP103900	IAAP103901	691723.57	93391.67	05/29/07	0.5	1					0.00			0.00		
IAAP103900	IAAP103902	691723.57	93391.67	05/29/07	1	1.5					0.00			0.00		
IAAP103900	IAAP103903	691723.57	93391.67	05/29/07	1.5	2					0.00			0.00		
IAAP103904	IAAP103904	691713.05	93388.24	05/29/07	0	0.5					0.00			0.00		
IAAP103904	IAAP103905	691713.05	93388.24	05/29/07	0.5	1					0.00			0.00		
IAAP103904	IAAP103906	691713.05	93388.24	05/29/07	1	1.5					0.00			0.00		

Table C-3c. All Post-Remedy Soil Data for Select Metals Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Selenium			Silver		
											Result	DL	VQ	Result	DL	VQ
IAAP103904	IAAP103907	691713.05	93388.24	05/29/07	1.5	2					0.00			0.00		
IAAP103919	IAAP103919	692010.7	92873.76	05/30/07	0	0.5					0.00			0.00		
IAAP103932	IAAP103932	691887.23	92819.77	06/05/07	0	0.5					0.00			0.12	0.24	UJ
IAAP103957	IAAP103957	691806.11	92492.32	05/31/07	0	0.5					0.26	0.22	J	0.12	0.24	UJ
IAAP103958	IAAP103958	691801.39	92494.82	05/31/07	0	0.5					0.51	0.21	J	0.13	0.25	UJ
IAAP103959	IAAP103959	691802	92486.1	05/31/07	0	0.5					0.11	0.22	UJ	1.00	2	U
IAAP111608	IAAP111608	691729.54	93383.8	09/25/08	0	0.5					0.80	1.6	U	0.44	0.87	U
IAAP96976	IAAP111609	COMPOSITE	COMPOSITE	09/25/08	1	2					0.36	0.72	U	0.44	0.87	U
IAAP111627	IAAP111628	691996.16	93028.25	09/24/08	1	2					0.85	1.7	U	0.43	0.86	U
IAAP111631	IAAP111631	692000.12	93025.48	09/24/08	0	0.5					0.35	0.69	U	0.43	0.85	U
IAAP111633	IAAP111633	691947.6	92731.29	09/23/08	0	1					0.34	0.68	U	0.44	0.87	U
IAAP111634	IAAP111634	691942.06	92729.45	09/23/08	0	1					0.34	0.68	U	0.44	0.87	U
IAAP111635	IAAP111635	691936.94	92730.22	09/23/08	0	1					0.85	1.7	U	0.12	0.24	U
IAAP111652	IAAP111652	691848.62	92980.16	09/24/08	0	1					0.35	0.69	U	0.14	0.27	U
IAAP96925	IAAP96925	692027	92844.46	10/26/06	0	0.5					0.99	0.24	=	0.14	0.27	U
IAAP96926	IAAP96926	692014.91	92844.8	10/26/06	0	0.5					1.50	0.24	=	0.15	0.29	U
IAAP96927	IAAP96927	691998.35	92979.48	10/26/06	0	0.5					0.91	0.26	=	0.14	0.27	U
IAAP96928	IAAP96928	691998.35	92979.48	10/26/06	0	0.5					0.85	0.24	=	0.14	0.27	U
IAAP96929	IAAP96929	691966.49	92969.51	10/26/06	0	0.5					1.30	0.24	=	0.55	1.1	UJ
IAAP96935	IAAP96935	691894.02	93328.08	11/15/06	0	0.5					0.49	0.98	U	0.13	0.26	UJ
IAAP96936	IAAP96936	COMPOSITE	COMPOSITE	11/15/06	0	0.5					1.30	0.23	=	0.55	1.1	UJ
IAAP96937	IAAP96937	COMPOSITE	COMPOSITE	11/13/06	0	0.5					0.48	0.96	U	0.13	0.26	UJ
IAAP96938	IAAP96938	691840.29	93270.4	11/13/06	0	0.5					0.87	0.23	=	0.55	1.1	U
IAAP96939	IAAP96939	691831.83	93298.23	11/13/06	0	0.5					0.47	0.94	U	0.55	1.1	UJ
IAAP96940	IAAP96940	691832.3	93342.32	11/13/06	0	0.5					0.49	0.98	U	0.13	0.25	U
IAAP96941	IAAP96941	691814.66	93317.23	11/13/06	0	0.5					0.79	0.22	=	0.12	0.24	UJ
IAAP96942	IAAP96942	691838.97	93244.84	11/13/06	0	0.5					0.87	0.22	=	0.23	0.46	U
IAAP96943	IAAP96943	691740.96	93451.82	11/14/06	0	0.5					0.78	0.41	=	0.24	0.48	U
IAAP96944	IAAP96944	691700	93430.63	11/14/06	0	0.5					0.51	0.43	=	0.14	0.27	U
IAAP96945	IAAP96945	691712.74	93499.75	11/14/06	0	0.5					2.20	0.24	=	0.12	0.24	UJ
IAAP96949	IAAP96949	692113.04	93092.9	11/15/06	0	0.5					1.00	0.22	=	0.13	0.25	UJ
IAAP96950	IAAP96950	COMPOSITE	COMPOSITE	11/15/06	0	0.5					1.10	0.22	=	0.12	0.24	UJ
IAAP96951	IAAP96951	COMPOSITE	COMPOSITE	11/15/06	0	0.5					0.71	0.21	=	0.50	1	UJ
IAAP96952	IAAP96952	692127.71	93042.61	11/15/06	0	0.5					0.45	0.89	U	0.12	0.24	UJ
IAAP96953	IAAP96953	692116.38	93011.84	11/15/06	0	0.5					0.96	0.21	=	0.11	0.22	UJ
IAAP96954	IAAP96954	692116.26	92981.47	11/15/06	0	0.5					0.72	0.2	=	0.12	0.24	U
IAAP96959	IAAP96959	COMPOSITE	COMPOSITE	11/14/06	0	0.5					0.87	0.21	=	0.12	0.24	UJ
IAAP96961	IAAP96961	COMPOSITE	COMPOSITE	11/13/06	0	0.5					0.64	0.21	=	0.12	0.24	UJ
IAAP96962	IAAP96962	COMPOSITE	COMPOSITE	11/13/06	0	0.5					0.58	0.21	=	0.12	0.23	U
IAAP96963	IAAP96963	COMPOSITE	COMPOSITE	11/13/06	0	0.5					0.85	0.2	=	0.12	0.24	UJ
IAAP96964	IAAP96964	691985.83	93063.1	11/13/06	0	0.5					0.55	0.21	=	0.50	1	UJ

Table C-3c. All Post-Remedy Soil Data for Select Metals Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Selenium			Silver		
											Result	DL	VQ	Result	DL	VQ
IAAP96967	IAAP96967	691937	93039	11/13/06	0	0.5					0.46	0.91	U	0.46	0.91	U
IAAP96976	IAAP96976	COMPOSITE	COMPOSITE	11/14/06	0	0.5					2.70	1.1	=	0.65	1.3	U
IAAP96977	IAAP96977	COMPOSITE	COMPOSITE	11/14/06	0	0.5					1.20	0.26	=	4.20	0.29	=
IAAP96979	IAAP96979	691795.01	93119.57	11/14/06	0	0.5					0.62	0.22	=	0.13	0.25	U
IAAP96980	IAAP96980	691808.87	93106.84	11/14/06	0	0.5					0.47	0.93	U	0.55	1.1	U
IAAP96988	IAAP96988	691954.34	92114.71	11/14/06	0	0.5					0.39	0.37	=	0.21	0.42	U
IAAP96989	IAAP96989	691876.63	92299.46	11/14/06	0	0.5					0.67	0.21	=	0.12	0.24	U
IAAP96992	IAAP96992	COMPOSITE	COMPOSITE	11/14/06	0	0.5					0.56	0.39	=	0.22	0.44	UJ
IAAP96994	IAAP96994	691857.33	92413.74	11/14/06	0	0.5					0.65	0.2	=	0.11	0.22	UJ
IAAP96996	IAAP96996	COMPOSITE	COMPOSITE	11/14/06	0	0.5					0.66	0.22	=	0.13	0.25	UJ
IAAP96997	IAAP96997	691844.39	92407.27	11/14/06	0	0.5					0.49	0.97	U	0.55	1.1	UJ
IAAP96998	IAAP96998	691728	93303	11/14/06	0	0.5					0.77	0.37	=	0.21	0.42	U
IAAP97000	IAAP97000	691786.4	93115.72	11/14/06	0	0.5					1.20	0.23	=	0.13	0.26	U
IAAP97001	IAAP97001	691872	93010	12/18/06	0	0.5					0.29	0.19	=	0.11	0.22	U
IAAP97002	IAAP97002	691884	93003	12/18/06	0	0.5					0.09	0.18	U	0.11	0.21	U
IAAP97003	IAAP97003	691888	92995	12/18/06	0	0.5					0.30	0.21	=	0.12	0.24	U
IAAP97008	IAAP97008	691894	92818	12/19/06	0	0.5					0.71	0.22	=	0.13	0.25	U
IAAP97009	IAAP97009	691903	92823	12/19/06	0	0.5					0.55	0.43	=	0.13	0.25	U
IAAP97010	IAAP97010	691891	92892	12/19/06	0	0.5					1.10	0.22	=	0.12	0.24	U
IAAP97011	IAAP97011	691900	92879	12/19/06	0	0.5					1.00	0.22	=	0.13	0.25	U
IAAP97012	IAAP97012	691889	92913	12/19/06	0	0.5					0.54	0.22	=	0.13	0.25	U
IAAP97013	IAAP97013	691813	92905	12/18/06	0	0.5					0.62	0.38	J	2.30	0.22	=
IAAP97016	IAAP97016	691683	92887	12/18/06	0	0.5					0.58	0.23	=	0.13	0.26	U
IAAP97017	IAAP97017	691680	92894	12/18/06	0	0.5					0.32	0.21	=	0.12	0.23	U
IAAP97018	IAAP97018	691694	92881	12/18/06	0	0.5					1.30	0.24	=	0.14	0.27	U
IAAP97019	IAAP97019	691689	92747	12/18/06	0	0.5					0.93	0.23	=	0.13	0.26	U
IAAP97020	IAAP97020	691695	92744	12/18/06	0	0.5					0.27	0.22	=	0.13	0.25	U
IAAP97021	IAAP97021	691719	92718	12/18/06	0	0.5					0.76	0.23	=	0.13	0.26	U
IAAP97022	IAAP97022	691753	92650	12/18/06	0	0.5					0.85	0.44	J	0.13	0.25	UJ
IAAP97023	IAAP97023	691750	92660	12/18/06	0	0.5					0.89	0.24	=	0.14	0.27	U
IAAP97024	IAAP97024	691745	92709	12/18/06	0	0.5					0.79	0.23	=	0.13	0.26	U
IAAP97030	IAAP97030	691973	92557	12/19/06	0	0.5					0.47	0.21	=	0.12	0.24	U
IAAP97031	IAAP97031	691979	92543	12/19/06	0	0.5					0.27	0.19	=	0.11	0.21	U
IAAP97032	IAAP97032	692030	92538	12/19/06	0	0.5					1.90	0.34	=	0.20	0.39	U
IAAP97033	IAAP97033	692033	92519	12/19/06	0	0.5					0.09	0.18	U	0.11	0.21	U
IAAP97034	IAAP97034	692018	92535	12/20/06	0	0.5					0.63	0.25	=	0.15	0.29	U
IAAP97049	IAAP97049	691998	92245	12/19/06	0	0.5					0.86	0.23	=	0.13	0.26	U
IAAP98247	IAAP98247	691977	92312	12/19/06	0	0.5					1.40	0.24	=	0.14	0.27	U
IAAP98256	IAAP98256	691757	92280	12/20/06	0	0.5					1.10	0.45	=	0.13	0.25	U
IAAP98257	IAAP98257	691780	92253	12/20/06	0	0.5					0.59	0.22	=	0.13	0.25	U
IAAP98259	IAAP98259	691921	92623	12/19/06	0	0.5					0.95	1.9	U	0.55	1.1	U

Table C-3c. All Post-Remedy Soil Data for Select Metals Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Selenium			Silver		
											Result	DL	VQ	Result	DL	VQ
IAAP98260	IAAP98260	691719	92537	12/18/06	0	0.5					0.30	0.21	=	0.12	0.24	U
IAAP98261	IAAP98261	691626	92692	12/18/06	0	0.5					1.40	0.42	J	0.12	0.24	U
IAAP98262	IAAP98262	691633	92751	12/18/06	0	0.5					0.29	0.24	=	1.60	0.27	=
IAAP98263	IAAP98263	691582	92869	12/18/06	0	0.5					4.30	0.65	=	0.37	0.74	U
IAAP98264	IAAP98264	691518	93097	12/18/06	0	0.5					0.51	0.28	=	0.16	0.32	U
IAAP98273	IAAP98273	692131	92072.7	12/19/06	0	0.5					0.55	0.22	=	0.13	0.25	U
IAAP98274	IAAP98274	691733.32	93424.71	12/20/06	0	0.5					0.28	0.19	=	0.11	0.22	U
IAAP99927	IAAP99927	691811.29	92488.02	04/16/07	0	0.5					0.29	0.22	=	0.13	0.25	U
IAAP99928	IAAP99928	691809.48	92485.81	04/16/07	0	0.5					0.10	0.2	U	0.11	0.22	U
IAAP99929	IAAP99929	691815.02	92487.65	04/16/07	0	0.5					0.09	0.18	U	0.11	0.21	U
IAAP99930	IAAP99930	691811.29	92492.77	04/16/07	0	0.5					0.46	0.91	U	0.50	1	U
100101	L1101001	691685	93330		0.0	1.0					0.960	1.2		0.600	1.2	U
100101	L1101002	691685	93330		1.0	2.0					0.000			0.000		
100101	L1101003	691685	93330		2.0	4.0					0.000			0.000		
100101	L1101004	691685	93330		4.0	6.0					0.000			0.000		
100102	L1101005	691685	93369		0.0	1.0					0.890	0.65		0.650	1.3	U
100102	L1101006	691685	93369		1.0	2.0					0.000			0.000		
100102	L1101007	691685	93369		2.0	4.0					0.000			0.000		
100102	L1101008	691685	93369		4.0	6.0					0.000			0.000		
100103	L1101009	691723	93308		0.0	1.0					0.270	0.54	U	0.550	1.1	U
100103	L1101010	691723	93308		1.0	2.0					0.000			0.000		
100103	L1101011	691723	93308		2.0	4.0					0.000			0.000		
100103	L1101012	691723	93308		4.0	6.0					0.000			0.000		
100201	L1102001	691824	93116		1.0	2.0					0.000			0.000		
100201	L1102002	691824	93116		2.0	4.0					0.000			0.000		
100202	L1102003	691834	93110		1.0	2.0					0.000			0.000		
100202	L1102004	691834	93110		2.0	4.0					0.000			0.000		
100203	L1102005	691839	93129		1.0	2.0					0.000			0.000		
100203	L1102006	691839	93129		2.0	4.0					0.000			0.000		
100204	L1102007	691851	93109		1.0	2.0					0.000			0.000		
100204	L1102008	691851	93109		2.0	4.0					0.000			0.000		
100205	L1102009	691838	93090		1.0	2.0					0.000			0.000		
100205	L1102010	691838	93090		2.0	4.0					0.000			0.000		
100205	L1102011	691838	93090		2.0	4.0					0.000			0.000		
100206	L1102012	691842	93123		1.0	2.0					0.000			0.000		
100206	L1102013	691842	93123		2.0	4.0					0.000			0.000		
100302	L1103005	691754	93117		0.0	1.0					1.000	0.66		0.650	1.3	U
100302	L1103006	691754	93117		1.0	2.0					0.000			0.000		
100302	L1103007	691754	93117		2.0	4.0					0.000			0.000		
100302	L1103008	691754	93117		4.0	6.0					0.000			0.000		
100303	L1103009	691803	93111		0.0	1.0					0.600	0.59		0.600	1.2	U

Table C-3c. All Post-Remedy Soil Data for Select Metals Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Selenium			Silver		
											Result	DL	VQ	Result	DL	VQ
100303	L1103010	691803	93111		1.0	2.0					0.000			0.000		
100303	L1103011	691803	93111		2.0	4.0					0.000			0.000		
100303	L1103012	691803	93111		4.0	6.0					0.000			0.000		
100304	L1103013	691776	93096		0.0	1.0					1.000	0.51		0.500	1	U
100304	L1103014	691776	93096		1.0	2.0					0.000			0.000		
100304	L1103015	691776	93096		2.0	4.0					0.000			0.000		
100304	L1103016	691776	93096		2.0	4.0					0.000			0.000		
100304	L1103017	691776	93096		4.0	6.0					0.000			0.000		
100305	L1103018	692112	92187		0.0	1.0					0.310	0.62	U	0.550	1.1	U
100305	L1103019	692112	92187		1.0	2.0					0.000			0.000		
100305	L1103020	692112	92187		2.0	4.0					0.000			0.000		
100305	L1103021	692112	92187		4.0	6.0					0.000			0.000		
100401	L1104001	691772	93135		0.0	1.0					1.300	0.65		0.650	1.3	U
100401	L1104002	691772	93135		1.0	2.0					0.000			0.000		
100401	L1104003	691772	93135		2.0	4.0					0.000			0.000		
100401	L1104004	691772	93135		4.0	6.0					0.000			0.000		
100402	L1104005	691742	93216		0.0	1.0					1.400	0.61		0.600	1.2	U
100402	L1104006	691742	93216		1.0	2.0					0.000			0.000		
100402	L1104007	691742	93216		2.0	4.0					0.000			0.000		
100402	L1104008	691742	93216		4.0	6.0					0.000			0.000		
100403	L1104009	691792	93152		0.0	1.0					0.760	0.61		0.600	1.2	U
100403	L1104010	691792	93152		1.0	2.0					0.000			0.000		
100403	L1104011	691792	93152		2.0	4.0					0.000			0.000		
100403	L1104012	691792	93152		4.0	6.0					0.000			0.000		
100404	L1104013	691796	93140		0.0	1.0					1.100	0.62		0.600	1.2	U
100404	L1104014	691796	93140		1.0	2.0					0.000			0.000		
100404	L1104015	691796	93140		2.0	4.0					0.000			0.000		
100404	L1104016	691796	93140		4.0	6.0					0.000			0.000		
100501	L1105001	691921	92838		0.0	1.0					1.600	0.62		0.600	1.2	U
100501	L1105002	691921	92838		1.0	2.0					0.000			0.000		
100501	L1105003	691921	92838		2.0	4.0					0.000			0.000		
100501	L1105004	691921	92838		4.0	6.0					0.000			0.000		
100502	L1105005	691921	92844		0.0	1.0					2.100	0.65		0.650	1.3	U
100502	L1105006	691921	92844		1.0	2.0					0.000			0.000		
100502	L1105007	691921	92844		1.0	2.0					0.000			0.000		
100502	L1105008	691921	92844		2.0	4.0					0.000			0.000		
100502	L1105009	691921	92844		4.0	6.0					0.000			0.000		
100503	L1105010	691915	92797		0.0	1.0					1.400	0.62		0.600	1.2	U
100503	L1105011	691915	92797		1.0	2.0					0.000			0.000		
100503	L1105012	691915	92797		2.0	4.0					0.000			0.000		
100503	L1105013	691915	92797		4.0	6.0					0.000			0.000		

Table C-3c. All Post-Remedy Soil Data for Select Metals Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Selenium			Silver		
											Result	DL	VQ	Result	DL	VQ
100504	L1105014	691932	92802		0.0	1.0					1.800	0.65		0.650	1.3	U
100504	L1105015	691932	92802		1.0	2.0					0.000			0.000		
100504	L1105016	691932	92802		2.0	4.0					0.000			0.000		
100504	L1105017	691932	92802		4.0	6.0					0.000			0.000		
100505	L1105018	691911	92799		0.0	1.0					0.310	0.62	U	0.600	1.2	U
100505	L1105019	691911	92799		1.0	2.0					0.000			0.000		
100505	L1105020	691911	92799		2.0	4.0					0.000			0.000		
100505	L1105021	691911	92799		4.0	6.0					0.000			0.000		
100506	L1105022	691896	92792		1.0	2.0					0.000			0.000		
100506	L1105023	691896	92792		2.0	4.0					0.000			0.000		
100506	L1105024	691896	92792		4.0	6.0					0.000			0.000		
100509	L1105035	691899	92831		0.0	1.0					1.600	0.61		0.600	1.2	U
100509	L1105036	691899	92831		1.0	2.0					0.000			0.000		
100509	L1105037	691899	92831		2.0	4.0					0.000			0.000		
100509	L1105038	691899	92831		4.0	6.0					0.000			0.000		
100510	L1105055	691886	92945		0.0	1.0					1.400	0.65		0.650	1.3	U
100510	L1105056	691886	92945		1.0	2.0					2.100	1.2		0.600	1.2	U
100510	L1105057	691886	92945		2.0	4.0					0.000			0.000		
100510	L1105058	691886	92945		4.0	6.0					0.000			0.000		
100511	L1105059	691877	92995		1.0	2.0					0.000			0.000		
100511	L1105060	691877	92995		2.0	4.0					0.000			0.000		
100511	L1105061	691877	92995		2.0	4.0					0.000			0.000		
100511	L1105062	691877	92995		4.0	6.0					0.000			0.000		
100512	L1105063	691842	92972		1.0	2.0					0.000			0.000		
100512	L1105064	691842	92972		2.0	4.0					0.000			0.000		
100512	L1105065	691842	92972		4.0	6.0					0.000			0.000		
100513	L1105066	691845	92995		1.0	2.0					0.000			0.000		
100513	L1105067	691845	92995		2.0	4.0					0.000			0.000		
100513	L1105068	691845	92995		2.0	4.0					0.000			0.000		
100514	L1105069	691849	92986		1.0	2.0					0.000			0.000		
100514	L1105070	691849	92986		2.0	4.0					0.000			0.000		
100514	L1105071	691849	92986		4.0	5.0					0.000			0.000		
100517	L1105079	691867	93001		0.0	1.0					0.650	1.3	U	0.650	1.3	U
100517	L1105080	691867	93001		1.0	2.0					0.000			0.000		
100517	L1105081	691867	93001		2.0	4.0					0.000			0.000		
100517	L1105082	691867	93001		4.0	6.0					0.000			0.000		
100519	L1105088	691864	92940		0.0	1.0					1.400	0.61		0.600	1.2	U
100519	L1105089	691864	92940		1.0	2.0					0.000			0.000		
100519	L1105090	691864	92940		2.0	4.0					0.000			0.000		
100519	L1105091	691864	92940		4.0	6.0					0.000			0.000		
100521	L1105096	691911	92849		0.0	1.0					1.800	0.62		0.600	1.2	U

Table C-3c. All Post-Remedy Soil Data for Select Metals Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Selenium			Silver		
											Result	DL	VQ	Result	DL	VQ
100521	L1105097	691911	92849		1.0	2.0					0.000			0.000		
100521	L1105098	691911	92849		2.0	4.0					0.000			0.000		
100521	L1105099	691911	92849		4.0	6.0					0.000			0.000		
100601	L1106001	691750	92646		0.0	1.0					2.900	2.1		0.700	1.4	U
100601	L1106002	691750	92646		1.0	2.0					0.000			0.000		
100601	L1106003	691750	92646		2.0	4.0					0.000			0.000		
100601	L1106004	691750	92646		2.0	4.0					0.000			0.000		
100601	L1106005	691750	92646		4.0	6.0					0.000			0.000		
100602	L1106006	691739	92639		0.0	1.0					0.360	0.54		0.550	1.1	U
100602	L1106007	691739	92639		1.0	2.0					0.000			0.000		
100602	L1106008	691739	92639		2.0	4.0					0.000			0.000		
100602	L1106009	691739	92639		4.0	6.0					0.000			0.000		
100603	L1106010	691621	93000		0.0	1.0					0.265	0.53	U	0.550	1.1	U
100603	L1106011	691621	93000		1.0	2.0					0.000			0.000		
100603	L1106012	691621	93000		2.0	4.0					0.000			0.000		
100603	L1106013	691621	93000		4.0	6.0					0.000			0.000		
100604	L1106014	691632	93007		0.0	1.0					2.000	1.4		0.700	1.4	U
100604	L1106015	691632	93007		1.0	2.0					0.000			0.000		
100604	L1106016	691632	93007		2.0	4.0					0.000			0.000		
100604	L1106017	691632	93007		4.0	6.0					0.000			0.000		
100701	L1107001	692002	92830		0.0	1.0					0.600	1.2	U	0.600	1.2	U
100701	L1107002	692002	92830		1.0	2.0					0.000			0.000		
100701	L1107003	692002	92830		2.0	4.0					0.000			0.000		
100702	L1107005	692023	92845		0.0	1.0					0.315	0.63	U	0.650	1.3	U
100702	L1107006	692023	92845		1.0	2.0					0.000			0.000		
100702	L1107007	692023	92845		2.0	4.0					0.000			0.000		
100702	L1107008	692023	92845		4.0	6.0					0.000			0.000		
100703	L1107009	692034	92800		0.0	1.0					0.305	0.61	U	0.600	1.2	U
100703	L1107010	692034	92800		1.0	2.0					0.000			0.000		
100703	L1107011	692034	92800		2.0	4.0					0.000			0.000		
100703	L1107012	692034	92800		4.0	6.0					0.000			0.000		
100801	L1108001	691700	92779		0.0	1.0					1.700	0.64		0.650	1.3	U
100801	L1108002	691700	92779		1.0	2.0					0.000			0.000		
100801	L1108003	691700	92779		2.0	4.0					0.000			0.000		
100801	L1108004	691700	92779		2.0	4.0					0.000			0.000		
100801	L1108005	691700	92779		4.0	6.0					0.000			0.000		
100802	L1108006	691723	92706		0.0	1.0					1.100	0.66		0.650	1.3	U
100802	L1108006A	691723	92706		0.0	1.0					1.100	0.63		0.650	1.3	U
100802	L1108007	691723	92706		1.0	2.0					0.000			0.000		
100802	L1108007A	691723	92706		1.0	2.0					0.000			0.000		
100802	L1108008	691723	92706		2.0	4.0					0.000			0.000		

Table C-3c. All Post-Remedy Soil Data for Select Metals Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Selenium			Silver		
											Result	DL	VQ	Result	DL	VQ
100802	L1108008A	691723	92706		2.0	4.0					0.000			0.000		
100802	L1108009	691723	92706		4.0	6.0					0.000			0.000		
100802	L1108009A	691723	92706		4.0	6.0					0.000			0.000		
100803	L1108010	691715	92725		0.0	1.0					0.630	0.63		0.650	1.3	U
100803	L1108011	691715	92725		1.0	2.0					0.000			0.000		
100803	L1108012	691715	92725		2.0	4.0					0.000			0.000		
100803	L1108013	691715	92725		4.0	6.0					0.000			0.000		
100805	L1108018	691709	92730		0.0	1.0					0.940	0.66		0.650	1.3	U
100805	L1108019	691709	92730		1.0	2.0					0.000			0.000		
100805	L1108020	691709	92730		2.0	4.0					0.000			0.000		
100805	L1108021	691709	92730		4.0	6.0					0.000			0.000		
101001	L1110001	691959	92688		0.0	1.0					0.000			0.000		
101001	L1110002	691959	92688		1.0	2.0					0.000			0.000		
101001	L1110003	691959	92688		2.0	4.0					0.000			0.000		
101001	L1110004	691959	92688		4.0	6.0					0.000			0.000		
101004	L1110016	691978	92653		0.0	1.0					1.200	1.3		0.650	1.3	U
101004	L1110017	691978	92653		1.0	2.0					0.000			0.000		
101004	L1110018	691978	92653		2.0	4.0					0.000			0.000		
101004	L1110019	691978	92653		4.0	6.0					0.000			0.000		
101005	L1110037	691993	92609		0.0	1.0					1.700	0.69		0.700	1.4	U
101005	L1110038	691993	92609		1.0	2.0					0.000			0.000		
101005	L1110039	691993	92609		2.0	4.0					0.000			0.000		
101005	L1110040	691993	92609		4.0	6.0					0.000			0.000		
101006	L1110025	691952	92623		0.0	1.0					1.500	0.63		0.650	1.3	U
101006	L1110026	691952	92623		1.0	2.0					0.000			0.000		
101006	L1110027	691952	92623		2.0	4.0					0.000			0.000		
101006	L1110028	691952	92623		4.0	5.0					0.000			0.000		
101007	L1110029	691971	92576		0.0	1.0					2.000	1.3		0.650	1.3	U
101007	L1110030	691971	92576		1.0	2.0					0.000			0.000		
101008	L1110033	691999	92585		0.0	1.0					1.500	0.63		0.650	1.3	U
101008	L1110034	691999	92585		1.0	2.0					0.000			0.000		
101008	L1110035	691999	92585		2.0	4.0					0.000			0.000		
101008	L1110036	691999	92585		4.0	6.0					0.000			0.000		
101009	L1110021	691999	92618		0.0	1.0					1.500	0.64		0.650	1.3	U
101009	L1110022	691999	92618		1.0	2.0					0.000			0.000		
101009	L1110023	691999	92618		2.0	4.0					0.000			0.000		
101009	L1110024	691999	92618		4.0	6.0					0.000			0.000		
101101	L1111001	691809	93287		0.0	1.0					1.400	0.65		0.650	1.3	U
101101	L1111002	691809	93287		1.0	2.0					0.000			0.000		
101101	L1111003	691809	93287		2.0	4.0					0.000			0.000		
101101	L1111004	691809	93287		4.0	6.0					0.000			0.000		

Table C-3c. All Post-Remedy Soil Data for Select Metals Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Selenium			Silver		
											Result	DL	VQ	Result	DL	VQ
101102	L1111005	691832	93269		0.0	1.0					0.000			0.000		
101102	L1111006	691832	93269		2.0	4.0					0.000			0.000		
101103	L1111007	691812	93314		0.0	1.0					1.600	0.66		0.650	1.3	U
101103	L1111008	691812	93314		1.0	2.0					0.000			0.000		
101103	L1111009	691812	93314		2.0	4.0					0.000			0.000		
101103	L1111010	691812	93314		4.0	6.0					0.000			0.000		
101104	L1111011	691845	93331		0.0	1.0					1.300	0.6		0.600	1.2	U
101104	L1111012	691845	93331		1.0	2.0					0.000			0.000		
101104	L1111013	691845	93331		2.0	4.0					0.000			0.000		
101104	L1111014	691845	93331		4.0	6.0					0.000			0.000		
101105	L1111015	691894	93311		0.0	1.0					1.700	0.62		0.600	1.2	U
101105	L1111016	691894	93311		1.0	2.0					0.000			0.000		
101105	L1111017	691894	93311		2.0	4.0					0.000			0.000		
101105	L1111018	691894	93311		4.0	6.0					0.000			0.000		
101106	L1111019	691911	93281		0.0	1.0					0.770	0.65		0.650	1.3	U
101106	L1111020	691911	93281		1.0	2.0					0.000			0.000		
101106	L1111022	691911	93281		2.0	4.0					0.000			0.000		
101106	L1111023	691911	93281		4.0	6.0					0.000			0.000		
101107	L1111024	691838	93244		0.0	1.0					1.100	0.65		0.650	1.3	U
101107	L1111025	691838	93244		1.0	2.0					0.000			0.000		
101107	L1111026	691838	93244		2.0	4.0					0.000			0.000		
101107	L1111027	691838	93244		4.0	6.0					0.000			0.000		
101201	L1112001	692036	92381		1.0	2.0					0.000			0.000		
101201	L1112001A	692036	92381		0.0	1.0					1.500	0.63		0.650	1.3	U
101201	L1112002	692036	92381		1.0	2.0					0.000			0.000		
101201	L1112003	692036	92381		2.0	4.0					0.000			0.000		
101201	L1112004	692036	92381		4.0	6.0					0.000			0.000		
101204	L1112011A	692080	92344		0.0	1.0					1.300	0.61		0.600	1.2	U
101204	L1112012	692080	92344		2.0	4.0					0.000			0.000		
101204	L1112013	692080	92344		4.0	6.0					0.000			0.000		
101205	L1112014	692105	92261		1.0	2.0					0.000			0.000		
101205	L1112014A	692105	92261		0.0	1.0					0.530	0.59		0.600	1.2	U
101205	L1112015	692105	92261		2.0	4.0					0.000			0.000		
101205	L1112016	692105	92261		4.0	6.0					0.000			0.000		
101206	L1112017	692086	92238		1.0	2.0					0.000			0.000		
101206	L1112017A	692086	92238		0.0	1.0					1.100	0.64		0.650	1.3	U
101206	L1112018	692086	92238		2.0	4.0					0.000			0.000		
101206	L1112019	692086	92238		4.0	6.0					0.000			0.000		
101207	L1112020	692050	92340		1.0	2.0					0.000			0.000		
101207	L1112020A	692050	92340		0.0	1.0					1.500	0.66		0.650	1.3	U
101207	L1112021	692050	92340		2.0	4.0					0.000			0.000		

Table C-3c. All Post-Remedy Soil Data for Select Metals Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Selenium			Silver		
											Result	DL	VQ	Result	DL	VQ
101207	L1112022	692050	92340		4.0	6.0					0.000			0.000		
101208	L1112023	692041	92462		0.0	1.0					2.700	1.3		0.650	1.3	U
101208	L1112024	692041	92462		1.0	2.0					0.000			0.000		
101208	L1112025	692041	92462		1.0	2.0					0.000			0.000		
101208	L1112026	692041	92462		2.0	4.0					0.000			0.000		
101208	L1112027	692041	92462		4.0	6.0					0.000			0.000		
101209	L1112028	692063	92389		0.0	1.0					1.000	0.55		0.550	1.1	U
101209	L1112029	692063	92389		1.0	2.0					0.000			0.000		
101209	L1112030	692063	92389		2.0	4.0					0.000			0.000		
101209	L1112031	692063	92389		4.0	6.0					0.000			0.000		
101210	L1112033	692085	92323		1.0	2.0					0.000			0.000		
101210	L1112034	692085	92323		2.0	4.0					0.000			0.000		
101210	L1112036	692085	92323		4.0	6.0					0.000			0.000		
101210	L111232	692085	92323		0.0	1.0					1.400	0.65		0.650	1.3	U
101211	L1112037	692098	92292		0.0	1.0					0.760	0.62		0.600	1.2	U
101211	L1112038	692098	92292		1.0	2.0					0.000			0.000		
101211	L1112039	692098	92292		2.0	4.0					0.000			0.000		
101211	L1112040	692098	92292		4.0	6.0					0.000			0.000		
101212	L1112041	692076	92256		0.0	1.0					0.630	0.63		0.650	1.3	U
101212	L1112042	692076	92256		1.0	2.0					0.000			0.000		
101212	L1112043	692076	92256		2.0	4.0					0.000			0.000		
101212	L1112044	692076	92256		4.0	6.0					0.000			0.000		
101213	L1112045	692055	92294		0.0	1.0					1.500	0.61		0.600	1.2	U
101213	L1112046	692055	92294		1.0	2.0					0.000			0.000		
101213	L1112047	692055	92294		2.0	4.0					0.000			0.000		
101213	L1112048	692055	92294		2.0	4.0					0.000			0.000		
101213	L1112049	692055	92294		4.0	6.0					0.000			0.000		
101301	L1113001	691873	92319		0.0	1.0					0.310	0.62	U	0.600	1.2	U
101301	L1113002	691873	92319		1.0	2.0					0.000			0.000		
101301	L1113003	691873	92319		2.0	4.0					0.000			0.000		
101301	L1113004	691873	92319		4.0	6.0					0.000			0.000		
101302	L1113006	691868	92338		0.0	1.0					0.315	0.63	U	0.650	1.3	U
101302	L1113007	691868	92338		1.0	2.0					0.000			0.000		
101302	L1113008	691868	92338		2.0	4.0					0.000			0.000		
101302	L1113009	691868	92338		4.0	6.0					0.000			0.000		
101303	L1113010	691845	92407		0.0	1.0					0.305	0.61	U	0.600	1.2	U
101303	L1113011	691845	92407		1.0	2.0					0.000			0.000		
101303	L1113012	691845	92407		2.0	4.0					0.000			0.000		
101303	L1113013	691845	92407		4.0	6.0					0.000			0.000		
101304	L1113014	691870	92409		2.0	4.0					0.900	0.62		0.600	1.2	U
101304	L1113015	691870	92409		1.0	2.0					0.000			0.000		

Table C-3c. All Post-Remedy Soil Data for Select Metals Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Selenium			Silver		
											Result	DL	VQ	Result	DL	VQ
101304	L1113016	691870	92409		2.0	4.0					0.000			0.000		
101304	L1113017	691870	92409		4.0	6.0					0.000			0.000		
101305	L1113018	691882	92387		0.0	1.0					0.315	0.63	U	0.650	1.3	U
101305	L1113019	691882	92387		1.0	2.0					0.000			0.000		
101305	L1113020	691882	92387		2.0	4.0					0.000			0.000		
101305	L1113021	691882	92387		4.0	6.0					0.000			0.000		
101306	L1113024	691889	94486		1.0	2.0					0.000			0.000		
101307	L1113023	691900	92319		1.0	2.0					0.000			0.000		
101307	L1113027	691900	92319		0.0	1.0					1.400	0.63		0.650	1.3	U
101307	L1113028	691900	92319		1.0	2.0					0.000			0.000		
101308	L11130035	691875	92309		4.0	6.0					0.000			0.000		
101308	L1113031	691875	92309		0.0	1.0					0.310	0.62	U	0.600	1.2	U
101308	L1113032	691875	92309		1.0	2.0					0.000			0.000		
101308	L1113033	691875	92309		2.0	4.0					0.000			0.000		
101308	L1113034	691875	92309		2.0	4.0					0.000			0.000		
101309	L1113036	691881	92297		0.0	1.0					0.310	0.62	U	0.600	1.2	U
101309	L1113037	691881	92297		1.0	2.0					0.000			0.000		
101309	L1113038	691881	92297		2.0	4.0					0.000			0.000		
101309	L1113039	691881	92297		4.0	6.0					0.000			0.000		
101401	L1114001	691797	92489		0.0	1.0					1.200	0.66		0.650	1.3	U
101401	L1114002	691797	92489		1.0	2.0					0.000			0.000		
101401	L1114003	691797	92489		2.0	4.0					0.000			0.000		
101401	L1114004	691797	92489		4.0	6.0					0.000			0.000		
101402	L1114005	691814	92487		0.0	1.0					0.320	0.64	U	0.043	1.3	
101402	L1114006	691814	92487		1.0	2.0					0.000			0.000		
101402	L1114007	691814	92487		2.0	4.0					0.000			0.000		
101402	L1114008	691814	92487		4.0	6.0					0.000			0.000		
101501	L1115001	691936	92124		0.0	1.0					2.500	1.3		0.650	1.3	U
101501	L1115002	691936	92124		1.0	2.0					0.000			0.000		
101501	L1115003	691936	92124		2.0	4.0					0.000			0.000		
101501	L1115004	691936	92124		4.0	6.0					0.000			0.000		
101502	L1115005	691916	92117		0.0	1.0					1.800	1.3		0.650	1.3	U
101502	L1115006	691916	92117		1.0	2.0					0.000			0.000		
101502	L1115007	691916	92117		2.0	4.0					0.000			0.000		
101502	L1115008	691916	92117		4.0	6.0					0.000			0.000		
101503	L1115009	691925	92088		0.0	1.0					0.650	1.3	U	0.650	1.3	U
101503	L1115010	691925	92088		1.0	2.0					0.000			0.000		
101503	L1115011	691925	92088		2.0	4.0					0.000			0.000		
101503	L1115012	691925	92088		4.0	6.0					0.000			0.000		
101504	L1115014	691931	92075		0.0	1.0					0.420	0.59		0.600	1.2	U
101504	L1115015	691931	92075		1.0	2.0					0.000			0.000		

Table C-3c. All Post-Remedy Soil Data for Select Metals Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Selenium			Silver		
											Result	DL	VQ	Result	DL	VQ
101504	L1115016	691931	92075		2.0	4.0					0.000			0.000		
101504	L1115017	691931	92075		4.0	6.0					0.000			0.000		
101505	L1115018	691943	92106		0.0	1.0					2.000	0.65		0.650	1.3	U
101505	L1115019	691943	92106		1.0	2.0					0.000			0.000		
101505	L1115020	691943	92106		2.0	4.0					0.000			0.000		
101505	L1115021	691943	92106		4.0	6.0					0.000			0.000		
101506	L1115022	691950	92080		0.0	1.0					2.000	0.66		0.650	1.3	U
101506	L1115023	691950	92080		1.0	2.0					0.000			0.000		
101506	L1115024	691950	92080		2.0	4.0					0.000			0.000		
101506	L1115025	691950	92080		4.0	6.0					0.000			0.000		
101601	L1116001	692018	92532		1.0	2.0					0.000			0.000		
101602	L1116002	692025	92510		1.0	2.0					0.000			0.000		
101604	L1116005	692012	92535		1.0	2.0					0.000			0.000		
101605	L1116006	692003	92526		1.0	2.0					0.000			0.000		
101605	L1116007	692003	92526		1.0	2.0					0.000			0.000		
101901	L1119001	691756	92245		0.0	1.0					2.300	0.66		0.650	1.3	U
101901	L1119002	691756	92245		1.0	2.0					0.000			0.000		
101901	L1119003	691756	92245		2.0	4.0					0.000			0.000		
101901	L1119004	691756	92245		4.0	6.0					0.000			0.000		
101902	L1119005	691701	92291		0.0	1.0					1.500	0.64		0.650	1.3	U
101902	L1119006	691701	92291		1.0	2.0					0.000			0.000		
101902	L1119007	691701	92291		2.0	4.0					0.000			0.000		
101902	L1119008	691701	92291		4.0	6.0					0.000			0.000		
101903	L1119011	691682	92349		0.0	1.0					1.800	0.64		0.650	1.3	U
101903	L1119012	691682	92349		1.0	2.0					0.000			0.000		
101903	L1119013	691682	92349		2.0	4.0					0.000			0.000		
101903	L1119014	691682	92349		4.0	6.0					0.000			0.000		
101904	L1119015	691752	92256		0.0	1.0					2.500	1.3		0.650	1.3	U
101904	L1119016	691752	92256		1.0	2.0					0.000			0.000		
101904	L1119017	691752	92256		2.0	4.0					0.000			0.000		
101904	L1119018	691752	92256		4.0	6.0					0.000			0.000		
101905	L1119019	691756	92280		0.0	1.0					0.650	1.3	U	0.650	1.3	U
101905	L1119020	691756	92280		1.0	2.0					0.000			0.000		
101905	L1119021	691756	92280		2.0	4.0					0.000			0.000		
101905	L1119022	691756	92280		4.0	6.0					0.000			0.000		
103601	L1136001	691816	93159		0.0	1.0					1.100	0.62		0.600	1.2	U
103601	L1136002	691816	93159		1.0	2.0					0.000			0.000		
103601	L1136003	691816	93159		2.0	4.0					0.000			0.000		
103602	L1136004	691819	93152		0.0	1.0					1.000	0.56		0.550	1.1	U
103602	L1136005	691819	93152		1.0	2.0					0.000			0.000		
103602	L1136006	691819	93152		2.0	4.0					0.000			0.000		

Table C-3c. All Post-Remedy Soil Data for Select Metals Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Selenium			Silver		
											Result	DL	VQ	Result	DL	VQ
103603	L1136007	691811	93151		0.0	1.0					2.100	0.7		0.700	1.4	U
103603	L1136008	691811	93151		1.0	2.0					0.000			0.000		
103603	L1136009	691811	93151		2.0	4.0					0.000			0.000		
104001	L1140001	691989	92970		0.0	1.0					0.305	0.61	U	0.600	1.2	U
104001	L1140002	691989	92970		1.0	2.0					0.000			0.000		
104001	L1140003	691989	92970		2.0	4.0					0.000			0.000		
104001	L1140004	691989	92970		4.0	6.0					0.000			0.000		
104002	L1140005	691966	92968		0.0	1.0					0.330	0.66	U	0.650	1.3	U
104002	L1140007	691966	92968		1.0	2.0					0.000			0.000		
104002	L1140008	691966	92968		2.0	4.0					0.000			0.000		
104002	L1140009	691966	92968		4.0	6.0					0.000			0.000		
104003	L1140010	692020	92953		0.0	1.0					0.320	0.64	U	0.650	1.3	U
104003	L1140011	692020	92953		0.0	1.0					0.000			0.000		
104003	L1140013	692020	92953		2.0	4.0					0.000			0.000		
104003	L1140014	692020	92953		4.0	6.0					0.000			0.000		
104004	L1140015	691950	92925		0.0	1.0					0.650	1.3	U	0.650	1.3	U
104004	L1140016	691950	92925		1.0	2.0					0.000			0.000		
104004	L1140017	691950	92925		2.0	4.0					0.000			0.000		
104004	L1140018	691950	92925		4.0	6.0					0.000			0.000		
104005	L1140006	692034	92912		2.0	4.0					0.000			0.000		
104005	L1140020	692034	92912		0.0	1.0					0.330	0.66	U	0.650	1.3	U
104005	L1140021	692034	92912		1.0	2.0					0.000			0.000		
104005	L1140022	692034	92912		2.0	4.0					0.000			0.000		
104005	L1140023	692034	92912		4.0	6.0					0.000			0.000		
104006	L1140024	692023	92873		0.0	1.0					0.320	0.64	U	0.069	1.3	
104006	L1140025	692023	92873		1.0	2.0					0.000			0.000		
104006	L1140026	692023	92873		2.0	4.0					0.000			0.000		
104006	L1140027	692023	92873		4.0	6.0					0.000			0.000		
104007	L1140028	691983	92874		0.0	1.0					1.300	0.61		0.600	1.2	U
104007	L1140029	691983	92874		1.0	2.0					0.000			0.000		
104007	L1140030	691983	92874		2.0	4.0					0.000			0.000		
105001	L1150001	691709	92844		1.0	2.0					0.000			0.000		
105001	L1150002	691709	92844		2.0	4.0					0.000			0.000		
105001	L1150003	691709	92844		4.0	6.0					0.000			0.000		
105003	L1150007	691689	92828		0.0	1.0					0.990	0.63		0.650	1.3	U
105003	L1150008	691689	92828		1.0	2.0					0.000			0.000		
105003	L1150009	691689	92828		2.0	4.0					0.000			0.000		
105003	L1150010	691689	92828		4.0	6.0					0.000			0.000		
105004	L1150011	691716	92826		0.0	1.0					1.400	0.63		0.650	1.3	U
105004	L1150012	691716	92826		1.0	2.0					0.000			0.000		
105004	L1150013	691716	92826		2.0	4.0					0.000			0.000		

Table C-3c. All Post-Remedy Soil Data for Select Metals Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Selenium			Silver		
											Result	DL	VQ	Result	DL	VQ
105004	L1150014	691716	92826		4.0	6.0					0.000			0.000		
105301	L1153001	692136	92161		1.0	2.0					0.000			0.000		
105301	L1153001A	692136	92161		0.0	1.0					2.000	1.3		0.650	1.3	U
105301	L1153003	692136	92161		2.0	4.0					0.000			0.000		
105301	L1153004	692136	92161		4.0	6.0					0.000			0.000		
105302	L1153002	692145	92145		0.0	1.0					1.700	0.62		0.600	1.2	U
105302	L1153005	692145	92145		1.0	2.0					0.000			0.000		
105302	L1153005A	692145	92145		0.0	1.0					1.400	1.3		0.650	1.3	U
105302	L1153006	692145	92145		2.0	4.0					0.000			0.000		
105302	L1153007	692145	92145		4.0	6.0					0.000			0.000		
105303	L1153008	692108	92140		1.0	2.0					0.000			0.000		
105303	L1153008A	692108	92140		0.0	1.0					0.305	0.61	U	0.600	1.2	U
105303	L1153009	692108	92140		2.0	4.0					0.000			0.000		
105303	L1153010	692108	92140		4.0	6.0					0.000			0.000		
106002	L1160006	691662	92877		0.0	1.0					1.800	0.6		0.600	1.2	U
106002	L1160007	691662	92877		1.0	2.0					0.000			0.000		
106002	L1160008	691662	92877		2.0	4.0					0.000			0.000		
106002	L1160009	691662	92877		4.0	6.0					0.000			0.000		
106003	L1160010	691680	92888		0.0	1.0					0.150	0.55		0.550	1.1	U
106003	L1160011	691680	92888		1.0	2.0					0.000			0.000		
106003	L1160012	691680	92888		2.0	4.0					0.000			0.000		
106003	L1160013	691680	92888		4.0	6.0					0.000			0.000		
106003	L1160014	691680	92888		4.0	6.0					0.000			0.000		
106004	L1160015	691680	92900		0.0	1.0					1.500	0.63		0.650	1.3	U
106004	L1160016	691680	92900		1.0	2.0					0.000			0.000		
106004	L1160017	691680	92900		2.0	4.0					0.000			0.000		
106004	L1160019	691680	92900		4.0	6.0					0.000			0.000		
106101	L1161001	691947	93086		0.0	1.0					0.295	0.59	U	0.600	1.2	U
106101	L1161002	691947	93086		1.0	2.0					0.000			0.000		
106101	L1161003	691947	93086		2.0	4.0					0.000			0.000		
106101	L1161004	691947	93086		4.0	6.0					0.000			0.000		
106102	L1161005	691909	93057		0.0	1.0					2.200	1.3		0.650	1.3	U
106102	L1161006	691909	93057		1.0	2.0					0.000			0.000		
106102	L1161007	691909	93057		1.0	2.0					0.000			0.000		
106102	L1161008	691909	93057		2.0	4.0					0.000			0.000		
106102	L1161009	691909	93057		4.0	6.0					0.000			0.000		
106104	L1161014	691956	93011		0.0	1.0					1.800	0.64		0.650	1.3	U
106104	L1161015	691956	93011		1.0	2.0					0.000			0.000		
106104	L1161016	691956	93011		2.0	4.0					0.000			0.000		
106104	L1161017	691956	93011		4.0	6.0					0.000			0.000		
106301	L1163009	692099	92970		0.0	1.0					0.345	0.69	U	0.700	1.4	U

Table C-3c. All Post-Remedy Soil Data for Select Metals Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Selenium			Silver		
											Result	DL	VQ	Result	DL	VQ
106301	L1163010	692099	92970		1.0	2.0					0.000			0.000		
106301	L1163011	692099	92970		2.0	4.0					0.000			0.000		
106301	L1163012	692099	92970		4.0	6.0					0.000			0.000		
106302	L1163013	692094	92997		0.0	1.0					1.500	0.65		0.650	1.3	U
106302	L1163015	692094	92997		2.0	4.0					0.000			0.000		
106302	L1163016	692094	92997		4.0	6.0					0.000			0.000		
106303	L1163017	692099	93024		0.0	1.0					0.920	0.59		0.600	1.2	U
106303	L1163018	692099	93024		1.0	2.0					0.000			0.000		
106303	L1163019	692099	93024		2.0	4.0					0.000			0.000		
106303	L1163020	692099	93024		4.0	6.0					0.000			0.000		
106304	L1163021	692101	93040		0.0	1.0					0.840	0.68		0.700	1.4	U
106304	L1163022	692101	93040		1.0	2.0					0.000			0.000		
106304	L1163023	692101	93040		2.0	4.0					0.000			0.000		
106304	L1163024	692101	93040		4.0	6.0					0.000			0.000		
106305	L1163025	692073	93131		0.0	1.0					1.000	0.68		0.700	1.4	U
106305	L1163026	692073	93131		1.0	2.0					0.000			0.000		
106305	L1163027	692073	93131		1.0	2.0					0.000			0.000		
106305	L1163028	692073	93131		2.0	4.0					0.000			0.000		
106305	L1163029	692073	93131		4.0	6.0					0.000			0.000		
106306	L1163030	692055	93147		0.0	1.0					0.330	0.66	U	0.650	1.3	U
106306	L1163031	692055	93147		1.0	2.0					0.000			0.000		
106306	L1163032	692055	93147		2.0	4.0					0.000			0.000		
106306	L1163033	692055	93147		4.0	6.0					0.000			0.000		
106307	L1163034	692088	93113		0.0	1.0					1.000	1.2		0.600	1.2	U
106307	L1163035	692088	93113		1.0	2.0					0.000			0.000		
106307	L1163036	692088	93113		2.0	4.0					0.000			0.000		
106307	L1163037	692088	93113		4.0	6.0					0.000			0.000		
106308	L1163038	692094	93102		0.0	1.0					0.620	1.3		0.650	1.3	U
106308	L1163039	692094	93102		1.0	2.0					0.000			0.000		
106308	L1163040	692094	93102		2.0	4.0					0.000			0.000		
106308	L1163041	692094	93102		4.0	6.0					0.000			0.000		
106401	L1164001	692022	93174		0.0	1.0					0.330	0.66	U	0.650	1.3	U
106401	L1164002	692022	93174		1.0	2.0					0.000			0.000		
106401	L1164003	692022	93174		2.0	4.0					0.000			0.000		
106401	L1164004	692022	93174		4.0	6.0					0.000			0.000		
106401	L1164018	692022	93174		0.0	1.0					0.305	0.61	U	0.600	1.2	U
106402	L1164005	692011	93185		0.0	1.0					0.325	0.65	U	0.650	1.3	U
106402	L1164006	692011	93185		4.0	6.0					0.000			0.000		
106402	L1164007	692011	93185		2.0	4.0					0.000			0.000		
106402	L1164008	692011	93185		4.0	6.0					0.000			0.000		
106403	L1164009	692000	93195		0.0	1.0					0.310	0.62	U	0.600	1.2	U

Table C-3c. All Post-Remedy Soil Data for Select Metals Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Selenium			Silver		
											Result	DL	VQ	Result	DL	VQ
106403	L1164010	692000	93195		1.0	2.0					0.000			0.000		
106403	L1164011	692000	93195		2.0	4.0					0.000			0.000		
106403	L1164012	692000	93195		4.0	6.0					0.000			0.000		
106403	L1164013	692000	93195		4.0	6.0					0.000			0.000		
106404	L1164014	691970	93215		2.0	4.0					1.500	0.65		0.650	1.3	U
106404	L1164015	691970	93215		1.0	2.0					0.000			0.000		
106404	L1164016	691970	93215		2.0	4.0					0.000			0.000		
106404	L1164017	691970	93215		4.0	6.0					0.000			0.000		
106501	L1165001	692089	92859		0.0	1.0					0.270	0.54	U	0.550	1.1	U
106501	L1165002	692089	92859		1.0	2.0					0.000			0.000		
106501	L1165003	692089	92859		2.0	4.0					0.000			0.000		
106501	L1165004	692089	92859		4.0	6.0					0.000			0.000		
106501	L1165005	692089	92859		4.0	6.0					0.000			0.000		
106502	L1165006	692086	92848		0.0	1.0					1.600	0.63		0.650	1.3	U
106502	L1165007	692086	92848		1.0	2.0					0.000			0.000		
106502	L1165008	692086	92848		2.0	4.0					0.000			0.000		
106502	L1165009	692086	92848		4.0	6.0					0.000			0.000		
106503	L1165010	692175	92980		0.0	1.0					1.500	0.64		0.650	1.3	U
106503	L1165011	692175	92980		1.0	2.0					0.000			0.000		
106503	L1165012	692175	92980		2.0	4.0					0.000			0.000		
106503	L1165013	692175	92980		4.0	6.0					0.000			0.000		
106503	L1165030	692175	92980		1.0	2.0					0.000			0.000		
106504	L1165014	692161	92912		0.0	1.0					1.500	0.63		0.650	1.3	U
106504	L1165015	692161	92912		1.0	2.0					0.000			0.000		
106504	L1165016	692161	92912		2.0	4.0					0.000			0.000		
106504	L1165017	692161	92912		4.0	6.0					0.000			0.000		
106505	L1165018	692194	92823		0.0	1.0					1.600	0.63		0.650	1.3	U
106505	L1165019	692194	92823		1.0	2.0					0.000			0.000		
106505	L1165020	692194	92823		2.0	4.0					0.000			0.000		
106505	L1165021	692194	92823		4.0	6.0					0.000			0.000		
106506	L1165022	692273	92884		0.0	1.0					2.000	0.66		0.650	1.3	U
106506	L1165023	692273	92884		1.0	2.0					0.000			0.000		
106506	L1165024	692273	92884		2.0	4.0					0.000			0.000		
106506	L1165025	692273	92884		4.0	6.0					0.000			0.000		
106507	L1165026	692267	92904		0.0	1.0					1.500	1.2		0.600	1.2	U
106507	L1165027	692267	92904		1.0	2.0					0.000			0.000		
106507	L1165028	692267	92904		2.0	4.0					0.000			0.000		
106507	L1165029	692267	92904		4.0	6.0					0.000			0.000		
106507	L1165031	692267	92904		0.0	1.0					0.305	0.61	U	0.600	1.2	U
106601	L1166001	691723	92395		0.0	1.0					0.325	0.65	U	0.650	1.3	U
106601	L1166002	691723	92395		1.0	2.0					0.000			0.000		

Table C-3c. All Post-Remedy Soil Data for Select Metals Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Selenium			Silver		
											Result	DL	VQ	Result	DL	VQ
106601	L1166003	691723	92395		2.0	4.0					0.000			0.000		
106601	L1166004	691723	92395		4.0	6.0					0.000			0.000		
106602	L1166007	691680	92381		0.0	1.0					0.415	0.83	U	0.850	1.7	U
106602	L1166008	691680	92381		1.0	2.0					0.000			0.000		
106602	L1166009	691680	92381		2.0	4.0					0.000			0.000		
106602	L1166010	691680	92381		4.0	6.0					0.000			0.000		
106701	L1167001	691949	93193		0.0	1.0					0.305	0.61	U	0.600	1.2	U
106701	L1167002	691949	93193		1.0	2.0					0.000			0.000		
106701	L1167003	691949	93193		2.0	4.0					0.000			0.000		
106701	L1167004	691949	93193		4.0	6.0					0.000			0.000		
106702	L1167005	691953	93162		0.0	1.0					1.400	0.63		0.650	1.3	U
106702	L1167006	691953	93162		1.0	2.0					0.000			0.000		
106702	L1167007	691953	93162		1.0	2.0					0.000			0.000		
106702	L1167008	691953	93162		4.0	6.0					0.000			0.000		
106703	L1167009	691973	93141		0.0	1.0					0.310	0.62	U	0.600	1.2	U
106703	L1167010	691973	93141		1.0	2.0					0.000			0.000		
106703	L1167011	691973	93141		2.0	4.0					0.000			0.000		
106703	L1167012	691973	93141		4.0	6.0					0.000			0.000		
107001	L1170001	691981	92458		0.0	1.0					1.100	1.2		0.600	1.2	U
107001	L1170002	691981	92458		1.0	2.0					0.000			0.000		
107001	L1170003	691981	92458		2.0	4.0					0.000			0.000		
107001	L1170004	691981	92458		4.0	6.0					0.000			0.000		
107002	L1170005	691961	92498		0.0	1.0					2.100	0.72		0.700	1.4	U
107002	L1170006	691961	92498		1.0	2.0					0.000			0.000		
107002	L1170007	691961	92498		2.0	4.0					0.000			0.000		
107002	L1170008	691961	92498		4.0	6.0					0.000			0.000		
107004	L1170014	691976	92478		0.0	1.0					0.370	1.2		0.600	1.2	U
107004	L1170015	691976	92478		1.0	2.0					0.000			0.000		
107004	L1170016	691976	92478		2.0	4.0					0.000			0.000		
107004	L1170017	691976	92478		4.0	6.0					0.000			0.000		
107101	L1171001	691874	92664		0.0	1.0					1.100	0.62		0.600	1.2	U
107101	L1171002	691874	92664		1.0	2.0					0.000			0.000		
107101	L1171003	691874	92664		2.0	4.0					0.000			0.000		
107101	L1171004	691874	92664		4.0	6.0					0.000			0.000		
107201	L1172001	691875	92586		0.0	1.0					0.680	1.3		0.650	1.3	U
107201	L1172002	691875	92586		1.0	2.0					0.000			0.000		
107201	L1172003	691875	92586		2.0	4.0					0.000			0.000		
107201	L1172004	691875	92586		4.0	6.0					0.000			0.000		
107201	L1172005	691875	92586		4.0	6.0					0.000			0.000		
107303	L1173009	691882	92517		0.0	1.0					1.400	0.91		0.900	1.8	U
107303	L1173010	691882	92517		1.0	2.0					0.000			0.000		

Table C-3c. All Post-Remedy Soil Data for Select Metals Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Selenium			Silver		
											Result	DL	VQ	Result	DL	VQ
107303	L1173011	691882	92517		2.0	4.0					0.000			0.000		
107303	L1173012	691882	92517		4.0	6.0					0.000			0.000		
107304	L1173013	691895	92491		0.0	1.0					0.560	1.2		0.600	1.2	U
107304	L1173014	691895	92491		1.0	2.0					0.000			0.000		
107304	L1173015	691895	92491		2.0	4.0					0.000			0.000		
107304	L1173016	691895	92491		4.0	6.0					0.000			0.000		
107305	L1173017	691925	92475		0.0	1.0					0.830	1.3		0.650	1.3	U
107305	L1173018	691925	92475		1.0	2.0					0.000			0.000		
107305	L1173019	691925	92475		2.0	4.0					0.000			0.000		
107305	L1173020	691925	92475		4.0	6.0					0.000			0.000		
107401	L1174001	691962	92425		0.0	1.0					1.800	0.64		0.650	1.3	U
107401	L1174002	691962	92425		1.0	2.0					0.000			0.000		
107401	L1174003	691962	92425		2.0	4.0					0.000			0.000		
107401	L1174004	691962	92425		4.0	6.0					0.000			0.000		
107501	L1175001	691970	92319		0.0	1.0					1.300	0.64		0.650	1.3	U
107501	L1175002	691970	92319		1.0	2.0					0.000			0.000		
107501	L1175003	691970	92319		2.0	4.0					0.000			0.000		
107501	L1175004	691970	92319		4.0	6.0					0.000			0.000		
107601	L1176001	691995	92243		0.0	1.0					3.200	1.9		0.650	1.3	U
107601	L1176002	691995	92243		1.0	2.0					0.000			0.000		
107601	L1176003	691995	92243		1.0	2.0					0.000			0.000		
107601	L1176004	691995	92243		2.0	4.0					0.000			0.000		
107601	L1176005	691995	92243		4.0	6.0					0.000			0.000		
107701	L1177001	691839	93355		0.0	1.0					1.800	0.69		0.700	1.4	U
107701	L1177002	691839	93355		1.0	2.0					0.000			0.000		
107701	L1177003	691839	93355		2.0	4.0					0.000			0.000		
107701	L1177004	691839	93355		4.0	6.0					0.000			0.000		
108501	L1185001	692145	93053		0.0	1.0					0.790	0.6		0.600	1.2	U
108501	L1185002	692145	93053		1.0	2.0					0.000			0.000		
108501	L1185003	692145	93053		2.0	4.0					0.000			0.000		
108501	L1185004	692145	93053		4.0	6.0					0.000			0.000		
108502	L1185005	692193	93114		0.0	1.0					0.295	0.59	U	0.600	1.2	U
108502	L1185006	692193	93114		1.0	2.0					0.000			0.000		
108502	L1185007	692193	93114		1.0	2.0					0.000			0.000		
108502	L1185009	692193	93114		4.0	6.0					0.000			0.000		
110001	L11100001	691889	92747		0.0	1.0					1.900	0.74		210.000	1.5	
110001	L11100002	691889	92747		1.0	2.0					0.000			0.000		
110001	L11100003	691889	92747		2.0	4.0					0.000			0.000		
110001	L11100004	691889	92747		2.0	4.0					0.000			0.000		
110003	L11100009	691958	92733		4.0	6.0					0.000			0.000		
110003	L11100010	691958	92733		0.0	1.0					1.300	0.6		0.600	1.2	U

Table C-3c. All Post-Remedy Soil Data for Select Metals Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Selenium			Silver		
											Result	DL	VQ	Result	DL	VQ
110003	L11100011	691958	92733		1.0	2.0					0.000			0.000		
110003	L11100012	691958	92733		1.0	2.0					0.000			0.000		
110003	L11100013	691958	92733		2.0	4.0					0.000			0.000		
110003	L11100014	691958	92733		4.0	6.0					0.000			0.000		
110021	L111002001	691703	92269		0.0	1.0					1.600	1.3		0.660	1.3	
110021	L111002002	691703	92269		0.0	1.0					2.000	0.65		0.650	1.3	U
110021	L111002003	691703	92269		1.0	2.0					0.000			0.000		
110021	L111002004	691703	92269		2.0	4.0					0.000			0.000		
110021	L111002005	691703	92269		4.0	6.0					0.000			0.000		
110021	L111002006	691703	92269		4.0	6.0					0.000			0.000		
112421	L11124001	691974	93402		1.0	2.0					0.000			0.000		
112421	L11124002	691974	93402		2.0	4.0					0.000			0.000		
112421	L11124003	691974	93402		4.0	6.0					0.000			0.000		
112422	L11124004	691977	93392		1.0	2.0					0.000			0.000		
112422	L11124005	691977	93392		2.0	4.0					0.000			0.000		
112422	L11124006	691977	93392		4.0	6.0					0.000			0.000		
112423	L11124007	691956	93454		1.0	2.0					0.000			0.000		
112423	L11124008	691956	93454		2.0	4.0					0.000			0.000		
112423	L11124009	691956	93454		4.0	6.0					0.000			0.000		
112901	L11129001	691933	93378		1.0	2.0					0.000			0.000		
112901	L11129002	691933	93378		2.0	4.0					0.000			0.000		
112901	L11129003	691933	93378		4.0	6.0					0.000			0.000		
112902	L11129004	691961	93373		1.0	2.0					0.000			0.000		
112902	L11129005	691961	93373		2.0	4.0					0.000			0.000		
112902	L11129006	691961	93373		2.0	4.0					0.000			0.000		
112903	L11129007	691939	93367		1.0	2.0					0.000			0.000		
112903	L11129008	691939	93367		2.0	4.0					0.000			0.000		
112903	L11129009	691939	93367		4.0	6.0					0.000			0.000		
115201	L11152001	691670	93440		1.0	2.0					0.000			0.000		
115201	L11152002	691670	93440		2.0	4.0					0.000			0.000		
115202	L11152003	691677	93430		1.0	2.0					0.000			0.000		
115202	L11152004	691677	93430		2.0	4.0					0.000			0.000		
115203	L11152005	691655	93409		1.0	2.0					0.000			0.000		
115203	L11152006	691655	93409		2.0	4.0					0.000			0.000		
115204	L11152007	691646	93444		1.0	2.0					0.000			0.000		
115204	L11152008	691646	93444		2.0	4.0					0.000			0.000		
115205	L11152009	691681	93484		1.0	2.0					0.000			0.000		
115205	L11152009DL	691681	93484		1.0	2.0					0.000			0.000		
115205	L11152011	691681	93484		2.0	4.0					0.000			0.000		
115206	L11152012	691648	93431		1.0	2.0					0.000			0.000		
115206	L11152013	691648	93431		2.0	4.0					0.000			0.000		

Table C-3c. All Post-Remedy Soil Data for Select Metals Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Selenium			Silver		
											Result	DL	VQ	Result	DL	VQ
115207	L11152014	691651	93420		1.0	2.0					0.000			0.000		
115207	L11152015	691651	93420		2.0	4.0					0.000			0.000		
115501	L11155001	691829	92890		0.0	1.0					1.000	0.63		0.650	1.3	U
115501	L11155002	691829	92890		1.0	2.0					0.000			0.000		
115501	L11155003	691829	92890		2.0	4.0					0.000			0.000		
115501	L11155004	691829	92890		4.0	6.0					0.000			0.000		
115501	L11155005	691829	92890		4.0	6.0					0.000			0.000		
115502	L11155006	691921	92626		0.0	1.0					0.310	1.2		0.600	1.2	U
115502	L11155007	691921	92626		1.0	2.0					0.000			0.000		
115502	L11155008	691921	92626		2.0	4.0					0.000			0.000		
115502	L11155009	691921	92626		4.0	6.0					0.000			0.000		
115503	L11155010	692016	92333		0.0	1.0					1.500	0.62		0.600	1.2	U
115503	L11155011	692016	92333		1.0	2.0					0.000			0.000		
115503	L11155012	692016	92333		2.0	4.0					0.000			0.000		
116901	L11169001	691798	92297		0.0	1.0					0.000			0.000		
116901	L11169002	691798	92297		1.0	2.0					0.000			0.000		
116902	L1169003	691703	93210		0.0	1.0					0.000			0.000		
116902	L1169004	691703	93210		1.0	2.0					0.000			0.000		
116903	L11169005	691920	92946		0.0	1.0					0.000			0.000		
116903	L11169006	691920	92946		1.0	2.0					0.000			0.000		
116904	L11169007	691946	92866		0.0	1.0					0.000			0.000		
116904	L11169008	691946	92866		1.0	2.0					0.000			0.000		
116905	L11169009	692120	92125		0.0	1.0					0.000			0.000		
116905	L11169010	692120	92125		1.0	2.0					0.000			0.000		
116906	L11169011	692028	92646		1.0	2.0					0.000			0.000		
116907	L11169013	692114	92355		0.0	1.0					0.000			0.000		
116907	L11169014	692114	92355		1.0	2.0					0.000			0.000		
116908	L11169016	692066	92273		0.0	1.0					0.000			0.000		
116908	L11169017	692066	92273		1.0	2.0					0.000			0.000		
116909	L11169018	691757	92233		0.0	1.0					0.000			0.000		
116909	L11169019	691757	92233		1.0	2.0					0.000			0.000		
116910	L11169020	691979	93373		0.0	1.0					0.000			0.000		
116910	L11169021	691979	93373		1.0	2.0					0.000			0.000		
116911	L11169022	691769	93328		0.0	1.0					0.000			0.000		
116911	L11169023	691769	93328		1.0	2.0					0.000			0.000		
116912	L11169024	691863	93415		0.0	1.0					0.000			0.000		
116912	L11169025	691863	93415		1.0	2.0					0.000			0.000		
116913	L11169026	691701	92898		0.0	1.0					0.000			0.000		
116913	L11169027	691701	92898		1.0	2.0					0.000			0.000		
116914	L11169028	691725	93411		0.0	1.0					0.000			0.000		
116914	L11169028DL	691725	93411		0.0	1.0					0.000			0.000		

Table C-3c. All Post-Remedy Soil Data for Select Metals Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Selenium			Silver		
											Result	DL	VQ	Result	DL	VQ
116914	L11169029	691725	93411		1.0	2.0					0.000			0.000		
116914	L11169029DL	691725	93411		1.0	2.0					0.000			0.000		
116915	L11169030	691883	93355		0.0	1.0					0.000			0.000		
116915	L11169031	691883	93355		0.0	1.0					0.000			0.000		
116916	L11169032	692204	93063		0.0	1.0					0.000			0.000		
116916	L11169033	692204	93063		0.0	1.0					0.000			0.000		
116916	L11169034	692204	93063		1.0	2.0					0.000			0.000		
116917	L11169035	691698	92263		0.0	1.0					0.000			0.000		
116917	L11169036	691698	92263		1.0	2.0					0.000			0.000		
116918	L11169037	691949	93168		0.0	1.0					0.000			0.000		
116918	L11169038	691949	93168		1.0	2.0					0.000			0.000		
116919	L11169039	692104	92656		0.0	1.0					0.000			0.000		
116919	L11169040	692104	92656		1.0	2.0					0.000			0.000		
116920	L11169041	691813	92098		0.0	1.0					0.000			0.000		
116920	L11169042	691813	92098		1.0	2.0					0.000			0.000		
116920	L11169043	691813	92098		1.0	2.0					0.000			0.000		
116921	L11169044	692141	92572		0.0	1.0					0.000			0.000		
116921	L11169045	692141	92572		1.0	2.0					0.000			0.000		
116922	L11169046	692089	92779		0.0	1.0					0.000			0.000		
116922	L11169047	692089	92779		1.0	2.0					0.000			0.000		
116925	L11169052	691675	93311		0.0	1.0					0.000			0.000		
116925	L11169053	691675	93311		1.0	2.0					0.000			0.000		
160302	L1163014	692094	92997		1.0	2.0					0.000			0.000		
163701	L1163001	691731	92351		0.0	1.0					0.850	0.68		0.700	1.4	U
163701	L1163002	691731	92351		1.0	2.0					0.000			0.000		
163701	L1163003	691731	92351		2.0	4.0					0.000			0.000		
163701	L1163004	691731	92351		4.0	6.0					0.000			0.000		
163702	L1163005	691759	92309		0.0	1.0					1.100	0.81		0.800	1.6	U
163702	L1163006	691759	92309		1.0	2.0					0.000			0.000		
163702	L1163007	691759	92309		2.0	4.0					0.000			0.000		
163702	L1163008	691759	92309		4.0	6.0					0.000			0.000		
10DD01	L110DD001	691669	93262		0.0	1.0					0.620	0.62		0.051	1.2	
10DD01	L110DD002	691669	93262		1.0	2.0					0.000			0.000		
10DD01	L110DD003	691669	93262		2.0	4.0					0.000			0.000		
10DD01	L110DD004	691669	93262		4.0	6.0					0.000			0.000		
10DD02	L110DD005	691641	93234		0.0	1.0					0.990	1.4		0.700	1.4	U
10DD02	L110DD006	691641	93234		1.0	2.0					0.000			0.000		
10DD02	L110DD007	691641	93234		2.0	4.0					0.000			0.000		
10DD02	L110DD008	691641	93234		4.0	6.0					0.000			0.000		
10DD03	L110DD009	691565	93119		0.0	1.0					0.770	0.67		0.650	1.3	U
10DD03	L110DD010	691565	93119		1.0	2.0					0.000			0.000		

Table C-3c. All Post-Remedy Soil Data for Select Metals Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Selenium			Silver		
											Result	DL	VQ	Result	DL	VQ
10DD03	L110DD011	691565	93119		2.0	4.0					0.000			0.000		
10DD03	L110DD012	691565	93119		4.0	6.0					0.000			0.000		
10DD04	L110DD013	691508	93081		0.0	1.0					0.240	0.66		0.650	1.3	U
10DD04	L110DD014	691508	93081		1.0	2.0					0.000			0.000		
10DD04	L110DD015	691508	93081		2.0	4.0					0.000			0.000		
10DD04	L110DD016	691508	93081		2.0	4.0					0.000			0.000		
10DD04	L110DD017	691508	93081		4.0	6.0					0.000			0.000		
10DD05	L110DD018	691525	93099		0.0	1.0					1.800	0.71		0.700	1.4	U
10DD05	L110DD019	691525	93099		1.0	2.0					0.000			0.000		
10DD07	L110DD026	691660	93153		0.0	1.0					0.880	0.62		0.600	1.2	U
10DD07	L110DD027	691660	93153		1.0	2.0					0.000			0.000		
10DD07	L110DD028	691660	93153		2.0	4.0					0.000			0.000		
10DD07	L110DD029	691660	93153		4.0	6.0					0.000			0.000		
10DD09	L110DD034	691861	92762		0.0	1.0					0.325	0.65	U	0.650	1.3	U
10DD09	L110DD035	691861	92762		1.0	2.0					0.000			0.000		
10DD09	L110DD036	691861	92762		2.0	4.0					0.000			0.000		
10DD09	L110DD037	691861	92762		4.0	6.0					0.000			0.000		
10DD10	L110DD038	691839	92768		0.0	1.0					0.355	0.71	U	12.000	1.4	
10DD10	L110DD039	691839	92768		0.0	1.0					0.355	0.71	U	12.000	1.4	
10DD10	L110DD040	691839	92768		1.0	2.0					0.000			0.000		
10DD10	L110DD041	691839	92768		2.0	4.0					0.000			0.000		
10DD10	L110DD042	691839	92768		4.0	6.0					0.000			0.000		
10DD11	L110DD043	691762	92784		0.0	1.0					3.300	1.5		49.000	1.5	
10DD11	L110DD044	691762	92784		1.0	2.0					0.000			0.000		
10DD11	L110DD045	691762	92784		1.0	2.0					0.000			0.000		
10DD11	L110DD046	691762	92784		2.0	4.0					0.000			0.000		
10DD11	L110DD047	691762	92784		4.0	6.0					0.000			0.000		
10DD12	L110DD048	691726	92790		0.0	1.0					1.200	0.68		0.320	1.4	
10DD12	L110DD049	691726	92790		1.0	2.0					0.000			0.000		
10DD12	L110DD050	691726	92790		2.0	4.0					0.000			0.000		
10DD12	L110DD051	691726	92790		4.0	6.0					0.000			0.000		
10DD13	L110DD052	691627	92701		0.0	1.0					1.000	0.63		0.650	1.3	U
10DD13	L110DD053	691627	92701		1.0	2.0					0.000			0.000		
10DD13	L110DD054	691627	92701		2.0	4.0					0.000			0.000		
10DD13	L110DD055	691627	92701		4.0	6.0					0.000			0.000		
10DD14	L110DD056	691617	92673		0.0	1.0					1.100	0.67		0.650	1.3	U
10DD14	L110DD057	691617	92673		1.0	2.0					0.000			0.000		
10DD14	L110DD058	691617	92673		2.0	4.0					0.000			0.000		
10DD14	L110DD059	691617	92673		4.0	6.0					0.000			0.000		
10DD15	L110DD060	691625	92545		0.0	1.0					1.100	1.2		0.600	1.2	U
10DD15	L110DD061	691625	92545		1.0	2.0					0.000			0.000		

Table C-3c. All Post-Remedy Soil Data for Select Metals Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Selenium			Silver		
											Result	DL	VQ	Result	DL	VQ
10DD15	L110DD062	691625	92545		2.0	4.0					0.000			0.000		
10DD15	L110DD063	691625	92545		4.0	6.0					0.000			0.000		
10DD16	L110DD065	691588	92546		1.0	2.0					0.000			0.000		
10DD16	L110DD066	691588	92546		2.0	4.0					0.000			0.000		
10DD16	L110DD067	691588	92546		4.0	6.0					0.000			0.000		
10DD17	L110DD069	691547	92435		1.0	2.0					0.000			0.000		
10DD17	L110DD070	691547	92435		2.0	4.0					0.000			0.000		
10DD17	L110DD071	691547	92435		4.0	6.0					0.000			0.000		
10DD17	L110DD072	691547	92435		4.0	6.0					0.000			0.000		
10DD18	L110DD074	691582	92419		1.0	2.0					0.000			0.000		
10DD18	L110DD075	691582	92419		2.0	4.0					0.000			0.000		
10DD18	L110DD076	691582	92419		4.0	6.0					0.000			0.000		
10DD19	L110DD077	691678	92547		0.0	1.0					1.300	0.74		0.750	1.5	U
10DD19	L110DD078DL	691678	92547		1.0	2.0					0.000			0.000		
10DD19	L110DD079DL	691678	92547		2.0	4.0					0.000			0.000		
10DD20	L110DD081	691806	92511		0.0	1.0					0.740	0.64		0.650	1.3	U
10DD20	L110DD082	691806	92511		1.0	2.0					0.000			0.000		
10DD20	L110DD083	691806	92511		2.0	4.0					0.000			0.000		
10DD20	L110DD084	691806	92511		4.0	6.0					0.000			0.000		
10DD21	L110DD085	691838	92504		0.0	1.0					0.420	0.66		0.650	1.3	U
10DD21	L110DD086	691838	92504		1.0	2.0					0.000			0.000		
10DD21	L110DD087	691838	92504		2.0	4.0					0.000			0.000		
10DD21	L110DD088	691838	92504		4.0	6.0					0.000			0.000		
10DD22	L110DD089	691858	92111		0.0	1.0					2.200	0.67		0.650	1.3	U
10DD22	L110DD090	691858	92111		1.0	2.0					0.000			0.000		
10DD22	L110DD091	691858	92111		2.0	4.0					0.000			0.000		
10DD22	L110DD092	691858	92111		4.0	6.0					0.000			0.000		
10DD23	L110DD094	691798	92021		1.0	2.0					0.000			0.000		
10DD23	L110DD095	691798	92021		2.0	4.0					0.000			0.000		
10DD23	L110DD096	691798	92021		4.0	6.0					0.000			0.000		
10DD25	L110DD102	691742	92808		2.0	4.0					0.840	1.3		0.650	1.3	U
10DD25	L110DD103	691742	92808		1.0	2.0					0.000			0.000		
10DD25	L110DD104	691742	92808		2.0	4.0					0.000			0.000		
10DD25	L110DD105	691742	92808		4.0	6.0					0.000			0.000		
10DD26	L110DD106	691759	92856		0.0	1.0					1.300	0.63		0.650	1.3	U
10DD26	L110DD107	691759	92856		1.0	2.0					0.000			0.000		
10DD26	L110DD108	691759	92856		2.0	4.0					0.000			0.000		
10DD26	L110DD109	691759	92856		4.0	6.0					0.000			0.000		
10DD27	L110DD110	691918	91943		0.0	1.0					1.500	1.3		0.650	1.3	U
10DD27	L110DD111	691918	91943		1.0	2.0					0.000			0.000		

Table C-3c. All Post-Remedy Soil Data for Select Metals Constituents at Line 1 with Half-Detection Limits for Non-Detects (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Selenium			Silver				
											Result	DL	VQ	Result	DL	VQ		
10DD27	L110DD112	691918	91943		2.0	4.0					0.000			0.000				
10DD27	L110DD113	691918	91943		4.0	6.0					0.000			0.000				
10DD28	L110DD115	691840	91886		1.0	2.0					0.000			0.000				
10DD28	L110DD116	691840	91886		2.0	4.0					0.000			0.000				
10DD28	L110DD117	691840	91886		4.0	6.0					0.000			0.000				
10DD29	L110DD131	691632	93305		0.0	1.0					1.600	0.63		0.650	1.3	U		
10DD29	L110DD132	691632	93305		1.0	2.0					0.000			0.000				
10DD29	L110DD133	691632	93305		2.0	4.0					0.000			0.000				
10DD29	L110DD134	691632	93305		4.0	6.0					0.000			0.000				
L1-E2-C001	IAAP112183						EU3	A	2	east wall BC 1 and 4	0.34	0.68	U	0.43	0.85	U		
L1-E2-C002	IAAP112184											south wall BC 1 and 2	0.74	0.68	=	0.43	0.85	U
L1-E2-C003	IAAP112185											west wall BC 2 and 3	0.90	1.8	U	0.46	0.91	U
L1-E2-C004	IAAP112186											north wall BC 3 and 4	0.34	0.67	U	0.42	0.84	U
L1-E2-C005	IAAP112187											floor of EXC	0.77	0.71	=	0.45	0.9	U
L1-E7-C001	IAAP112242						EU4	B & C	7 & 8	NW wall BC 1 and 2	0.36	0.68	U	0.45	0.86	U		
L1-E7-C002	IAAP112243											NE wall BC 1, 5, and 4	0.34	0.69	U	0.43	0.86	U
L1-E7-C003	IAAP112244											SW wall BC 3 and 4	0.35	0.73	U	0.43	0.92	U
L1-E7-C004	IAAP112245											SE wall BC 2 and 3	0.37	0.69	U	0.46	0.87	U
L1-E7-C005	IAAP112246											floor of EXC	0.35	0.7	U	0.44	0.88	U
L1-E10-C001	IAAP112253						EU4	E	10	north wall BC 12, 13, and 1	0.35	1.3	U	0.44	1.6	U		
L1-E10-C002	IAAP112254											east wall BC 1 and 2	0.65	3.2	U	0.80	1.6	U
L1-E10-C003	IAAP112255											south wall BC 6 and 7	1.60	1.3	U	0.80	1.6	U
L1-E10-C004	IAAP112256											west wall BC 11 and 12	0.65	1.3	U	1.60	1.6	=
L1-E10-C005	IAAP112257											floor of EXC	0.65	1.3	U	4.00	1.7	=
L1-E14-C001	IAAP112292						EU5	D	14	north wall BC 1 and 8	0.65	0.73	U	1.15	0.92	U		
L1-E14-C002	IAAP112293											east wall BC 1 and 2	0.37	1.8	U	0.46	0.92	U
L1-E14-C004	IAAP112295											west wall BC 7 and 8	0.90	0.74	U	0.46	0.94	U
L1-E14-C005	IAAP112296											floor of EXC	0.37	1.8	U	0.47	0.9	U
L1-E20-C001	IAAP112327						EU5	J	20	north wall BC 1 and 2	0.90	1.7	U	0.45	0.84	U		
L1-E20-C002	IAAP112328											east wall BC 2 and 3	0.85	1.7	U	0.42	0.84	U
L1-E20-C006	IAAP112330											floor of EXC	0.85	1.6	U	0.42	0.81	U

Notes:

Field duplicates removed.

Maximums of dilution and parent results used.

VQ symbols indicate: “=” positive identification, positive quantitation, no reason to estimate, “U” non-detect, no reason to estimate, “J” positive identification, estimated quantitation, “UJ” analyte was not detected and had QC deficiencies.

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	1,3-DNB		
											Result	DL	VQ
IAAP100010	IAAP100010	691780.86	93099.7	03/28/07	0	0.5							
IAAP100011	IAAP100011	691787.31	93095.73	03/28/07	0	0.5							
IAAP100012	IAAP100012	691778.68	93098.89	03/29/07	0	0.5							
IAAP100013	IAAP100013	691779.96	93101.82	03/29/07	0	0.5							
IAAP100031	IAAP100031	691727.31	93292.52	03/29/07	0	0.5							
IAAP100034	IAAP100034	691728.18	93296.62	03/29/07	0	0.5							
IAAP100035	IAAP100035	692005.58	92968.44	03/23/07	0	0.5							
IAAP100037	IAAP100037	692014.14	92937.77	03/23/07	0	0.5							
IAAP100038	IAAP100038	692031.34	92874.43	03/23/07	0	0.5							
IAAP100039	IAAP100039	692024.18	92862.93	03/23/07	0	0.5							
IAAP100040	IAAP100040	692000.86	92882.82	03/23/07	0	0.5							
IAAP100041	IAAP100041	691961.46	92932.89	03/23/07	0	0.5							
IAAP100042	IAAP100042	691968.62	92956.24	03/23/07	0	0.5							
IAAP100077	IAAP100077	691941.41	92682.71	04/15/07	0	0.5							
IAAP100080	IAAP100080	691883.53	92828.33	04/16/07	0	0.5							
IAAP100081	IAAP100081	691880.11	92824.77	04/16/07	0	0.5							
IAAP100082	IAAP100082	691846	92975.9	04/12/07	0	0.5							
IAAP100083	IAAP100083	691833.02	92985.13	04/12/07	0	0.5							
IAAP100084	IAAP100084	691817.45	92952.64	04/12/07	0	0.5							
IAAP100085	IAAP100085	691825.93	92962.89	04/12/07	0	0.5							
IAAP100086	IAAP100086	691816.47	92969.84	04/12/07	0	0.5							
IAAP100089	IAAP100089	691777.81	92877.46	04/12/07	0	0.5							
IAAP100090	IAAP100090	691736.11	92729.43	04/12/07	0	0.5							
IAAP100091	IAAP100091	691735.21	92735.25	04/12/07	0	0.5							
IAAP100092	IAAP100092	691738.56	92729.19	04/12/07	0	0.5							
IAAP100093	IAAP100093	691685.73	92756.51	04/12/07	0	0.5							
IAAP100094	IAAP100094	691692.38	92751.73	04/12/07	0	0.5							
IAAP100097	IAAP100097	692027.57	92531.96	04/15/07	0	0.5							
IAAP103929	IAAP103929	691846	92975.9	05/30/07	0	0.5							
IAAP103933	IAAP103933	691894.16	92815.81	06/05/07	0	0.5							
IAAP103934	IAAP103934	691888.07	92827.71	06/05/07	0	0.5							
IAAP103935	IAAP103935	691882.21	92826.3	06/05/07	0	0.5							
IAAP103937	IAAP103937	691786	92883	05/30/07	0	0.5							
IAAP103945	IAAP103945	691737.12	92730.82	06/05/07	0	0.5							
IAAP103946	IAAP103946	691713.63	92731.28	06/05/07	0	0.5							
IAAP103947	IAAP103947	691671.41	92853.69	05/30/07	0	0.5							
IAAP103955	IAAP103955	691976	92478	06/05/07	1	2							
IAAP103955	IAAP103956	691976	92478	06/05/07	2	4							
IAAP103960	IAAP103960	692036.54	92387.64	06/05/07	0	0.5							
IAAP103961	IAAP103961	692032.45	92380.16	06/05/07	0	0.5							
IAAP103962	IAAP103962	692031.92	92387.59	05/31/07	0	0.5							
IAAP103966	IAAP103966	692011.9	92389.25	05/31/07	0	0.5							
IAAP103985	IAAP103985	691740.96	92254.55	06/05/07	0	0.5							

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	1,3-DNB		
											Result	DL	VQ
IAAP103986	IAAP103986	691694.87	92264.54	06/05/07	0	0.5							
IAAP100042	IAAP103994	691968.62	92956.24	06/05/07	2	3							
IAAP100041	IAAP103995	691961.46	92932.89	06/05/07	1	2							
IAAP100035	IAAP103996	692005.58	92968.44	06/05/07	1	2							
IAAP105943	IAAP105943	691813	92938	10/16/07	2	4							
IAAP105943	IAAP105944	691813	92938	10/16/07	4	6							
IAAP105960	IAAP105960	691945.85	92684.41	10/16/07	2	4							
IAAP105962	IAAP105962	691936.3	92683.35	10/16/07	2	4							
IAAP105964	IAAP105964	692019.34	92419.21	10/16/07	1	2							
IAAP96927	IAAP111632	691998.35	92979.48	09/23/08	0	0.5					0.33	0.33	U
IAAP111640	IAAP111640	691877.22	93004.64	09/24/08	0	0.5					0.26	0.26	U
IAAP111641	IAAP111641	691884.21	92997.58	09/24/08	0	0.5					0.28	0.28	U
IAAP111642	IAAP111642	691886.13	92986.85	09/24/08	0	0.5					0.27	0.27	U
IAAP103924	IAAP111643	691875.87	92999.03	09/24/08	1	2					0.31	0.31	U
IAAP111646	IAAP111646	691813.97	92960.93	09/24/08	0	2					0.31	0.31	U
IAAP111646	IAAP111647	691813.97	92960.93	09/24/08	2	4					0.33	0.33	U
IAAP111646	IAAP111648	691813.97	92960.93	09/24/08	4	6					0.32	0.32	U
IAAP100084	IAAP111649	691817.45	92952.64	09/24/08	0.5	2					0.32	0.32	U
IAAP100084	IAAP111650	691817.45	92952.64	09/24/08	2	4					0.32	0.32	U
IAAP100084	IAAP111651	691817.45	92952.64	09/24/08	4	6					0.32	0.32	U
IAAP111652	IAAP111652	691848.62	92980.16	09/24/08	0	1					0.30	0.3	U
IAAP111652	IAAP111653	691848.62	92980.16	09/24/08	1	2					0.31	0.31	U
IAAP111655	IAAP111655	691895.09	92825.42	09/25/08	0	0.5					0.32	0.32	U
IAAP111663	IAAP111663	691685.3	92748	09/23/08	0	0.5					0.35	0.35	U
IAAP111666	IAAP111666	691678.31	92547.43	09/23/08	0	1					0.33	0.33	U
IAAP111666	IAAP111667	691678.31	92547.43	09/23/08	1	2					0.33	0.33	U
IAAP111666	IAAP111668	691678.31	92547.43	09/23/08	2	4					0.32	0.32	U
IAAP111670	IAAP111670	691927.99	92676.85	09/23/08	0	2					0.31	0.31	U
IAAP111670	IAAP111671	691927.99	92676.85	09/23/08	2	4					0.29	0.29	U
IAAP111672	IAAP111672	691939.08	92675.99	09/23/08	0	2					0.31	0.31	U
IAAP111672	IAAP111673	691939.08	92675.99	09/23/08	2	4					0.31	0.31	U
IAAP111679	IAAP111679	692014	92397	09/23/08	0	1					0.34	0.34	U
IAAP111679	IAAP111680	692014	92397	09/23/08	1	2					0.33	0.33	U
IAAP111681	IAAP111681	692018.19	92383.4	09/23/08	0	1					0.33	0.33	U
IAAP111681	IAAP111682	692018.19	92383.4	09/23/08	1	2					0.33	0.33	U
IAAP111721	IAAP111721	691752.34	92256.02	09/22/08	0	0.5					0.30	0.3	U
IAAP111722	IAAP111722	691750.74	92261.62	09/22/08	0	0.5					0.30	0.3	U
IAAP130287	IAAP130287	691817.89	92964.9	09/07/10	9.9	10.4					0.25	0.25	U
IAAP130287	IAAP130288	691817.89	92964.9	09/07/10	11	12					0.25	0.25	U
IAAP130287	IAAP130289	691817.89	92964.9	09/07/10	12	13					0.25	0.25	U
IAAP97020	IAAP130333	691695	92744	09/09/10	1	2					0.25	0.25	U

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	1,3-DNB		
											Result	DL	VQ
IAAP97020	IAAP130334	691695	92744	09/09/10	2	3					0.25	0.25	U
IAAP97020	IAAP130335	691695	92744	09/09/10	3	4					0.25	0.25	U
IAAP97020	IAAP130336	691695	92744	09/09/10	4	5					0.25	0.25	U
IAAP97020	IAAP130337	691695	92744	09/09/10	5	6					0.25	0.25	U
IAAP97020	IAAP130338	691695	92744	09/09/10	6	7					0.25	0.25	U
IAAP97020	IAAP130339	691695	92744	09/09/10	7	8					0.25	0.25	U
IAAP97020	IAAP130340	691695	92744	09/09/10	8	9					0.25	0.25	U
IAAP130342	IAAP130342	691691	92737	09/09/10	0	1					0.25	0.25	U
IAAP130342	IAAP130343	691691	92737	09/09/10	1	2					0.25	0.25	U
IAAP130342	IAAP130344	691691	92737	09/09/10	2	3					0.25	0.25	U
IAAP130342	IAAP130345	691691	92737	09/09/10	3	4					0.25	0.25	U
IAAP130342	IAAP130346	691691	92737	09/09/10	4	5					0.25	0.25	U
IAAP130342	IAAP130347	691691	92737	09/09/10	5	6					0.25	0.25	U
IAAP130342	IAAP130348	691691	92737	09/09/10	6	7					0.25	0.25	U
IAAP130342	IAAP130349	691691	92737	09/09/10	7	8					0.25	0.25	U
IAAP130342	IAAP130350	691691	92737	09/09/10	8	9					0.25	0.25	U
IAAP130342	IAAP130351	691691	92737	09/09/10	9	10					0.25	0.25	U
IAAP97029	IAAP130367	691930	92683	09/08/10	1	2					0.25	0.25	U
IAAP97029	IAAP130368	691930	92683	09/08/10	2	3					0.25	0.25	U
IAAP97029	IAAP130369	691930	92683	09/08/10	3	4					0.25	0.25	U
IAAP97029	IAAP130370	691930	92683	09/08/10	4	5					0.25	0.25	U
IAAP97029	IAAP130371	691930	92683	09/08/10	5	6					0.25	0.25	U
IAAP97029	IAAP130372	691930	92683	09/08/10	6	7					0.25	0.25	U
IAAP97029	IAAP130373	691930	92683	09/08/10	7	8					0.25	0.25	U
IAAP111670	IAAP130374	691927.99	92676.85	09/14/10	4	5					0.25	0.25	U
IAAP111670	IAAP130375	691927.99	92676.85	09/14/10	5	6					0.25	0.25	U
IAAP111670	IAAP130376	691927.99	92676.85	09/14/10	6	7					0.25	0.25	U
IAAP111670	IAAP130377	691927.99	92676.85	09/14/10	7	8					0.25	0.25	U
IAAP105964	IAAP130414	692019.34	92419.21	09/09/10	0	1					0.25	0.25	U
IAAP105964	IAAP130415	692019.34	92419.21	09/09/10	2	3					0.25	0.25	U
IAAP105964	IAAP130416	692019.34	92419.21	09/09/10	3	4					0.25	0.25	U
IAAP105964	IAAP130417	692019.34	92419.21	09/09/10	4	5					0.25	0.25	U
IAAP105964	IAAP130418	692019.34	92419.21	09/09/10	5	6					0.25	0.25	U
IAAP105964	IAAP130419	692019.34	92419.21	09/09/10	6	7					0.25	0.25	U
IAAP105964	IAAP130420	692019.34	92419.21	09/09/10	7	8					0.25	0.25	U
IAAP105964	IAAP130421	692019.34	92419.21	09/09/10	8	9					0.25	0.25	U
IAAP130422	IAAP130430	692016.33	92408.51	09/13/10	8	9							
IAAP99934	IAAP130431	692030.09	92396.58	09/08/10	2	3					0.25	0.25	U
IAAP99934	IAAP130432	692030.09	92396.58	09/08/10	3	4					0.25	0.25	U
IAAP99934	IAAP130433	692030.09	92396.58	09/08/10	4	5					0.25	0.25	U
IAAP99934	IAAP130434	692030.09	92396.58	09/08/10	5	6					0.25	0.25	U

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	1,3-DNB		
											Result	DL	VQ
IAAP99934	IAAP130435	692030.09	92396.58	09/08/10	6	7					0.25	0.25	U
IAAP130436	IAAP130436	692033.78	92397.78	09/08/10	0	1					0.25	0.25	U
IAAP130436	IAAP130437	692033.78	92397.78	09/08/10	1	2					0.25	0.25	U
IAAP130436	IAAP130438	692033.78	92397.78	09/08/10	2	3					0.25	0.25	U
IAAP130436	IAAP130439	692033.78	92397.78	09/08/10	3	4					0.25	0.25	U
IAAP130436	IAAP130440	692033.78	92397.78	09/08/10	4	5					0.25	0.25	U
IAAP130436	IAAP130441	692033.78	92397.78	09/08/10	5	6					0.25	0.25	U
IAAP130436	IAAP130442	692033.78	92397.78	09/08/10	6	7					0.25	0.25	U
IAAP130461	IAAP130461	692011.4	92416.21	09/13/10	0	1					0.25	0.25	U
IAAP130461	IAAP130462	692011.4	92416.21	09/13/10	1	2					0.25	0.25	U
IAAP130461	IAAP130463	692011.4	92416.21	09/13/10	2	3					0.25	0.25	U
IAAP130461	IAAP130464	692011.4	92416.21	09/13/10	3	4					0.25	0.25	U
IAAP130461	IAAP130465	692011.4	92416.21	09/13/10	4	5					0.25	0.25	U
IAAP130461	IAAP130466	692011.4	92416.21	09/13/10	5	6					0.25	0.25	U
IAAP130461	IAAP130467	692011.4	92416.21	09/13/10	6	7					0.25	0.25	U
IAAP130461	IAAP130468	692011.4	92416.21	09/13/10	7	8					0.25	0.25	U
IAAP130461	IAAP130469	692011.4	92416.21	09/13/10	8	9					0.25	0.25	U
IAAP132548	IAAP132548	691985.39	92461.61	12/07/10	0	1					0.25	0.25	U
IAAP132548	IAAP132549	691985.39	92461.61	12/07/10	1	2					0.25	0.25	U
IAAP132548	IAAP132550	691985.39	92461.61	12/07/10	2	3					0.25	0.25	U
IAAP132548	IAAP132551	691985.39	92461.61	12/07/10	3	4					0.25	0.25	U
IAAP132548	IAAP132552	691985.39	92461.61	12/07/10	4	5					0.25	0.25	U
IAAP132548	IAAP132553	691985.39	92461.61	12/07/10	5	6					0.25	0.25	U
IAAP132554	IAAP132554	692017.39	92419.47	12/08/10	0	1					0.25	0.25	U
IAAP132554	IAAP132555	692017.39	92419.47	12/08/10	1	2					0.25	0.25	U
IAAP132554	IAAP132556	692017.39	92419.47	12/08/10	2	3					0.25	0.25	U
IAAP132554	IAAP132557	692017.39	92419.47	12/08/10	3	4					0.25	0.25	U
IAAP132554	IAAP132558	692017.39	92419.47	12/08/10	4	5					0.25	0.25	U
IAAP132554	IAAP132559	692017.39	92419.47	12/08/10	5	6					0.25	0.25	U
IAAP132560	IAAP132560	692009.98	92408.8	12/07/10	0	1					0.25	0.25	U
IAAP132560	IAAP132561	692009.98	92408.8	12/07/10	1	2					0.25	0.25	U
IAAP132560	IAAP132562	692009.98	92408.8	12/07/10	2	3					0.25	0.25	U
IAAP132560	IAAP132563	692009.98	92408.8	12/07/10	3	4					0.25	0.25	U
IAAP132560	IAAP132564	692009.98	92408.8	12/07/10	4	5					0.25	0.25	U
IAAP132560	IAAP132565	692009.98	92408.8	12/07/10	5	6					0.25	0.25	U
IAAP132566	IAAP132566	692020.12	92377.24	12/07/10	0	1					0.25	0.25	U
IAAP132566	IAAP132567	692020.12	92377.24	12/07/10	1	2					0.25	0.25	U
IAAP132566	IAAP132568	692020.12	92377.24	12/07/10	2	3					0.25	0.25	U
IAAP132566	IAAP132569	692020.12	92377.24	12/07/10	3	4					0.25	0.25	U
IAAP132566	IAAP132570	692020.12	92377.24	12/07/10	4	5					0.25	0.25	U
IAAP132566	IAAP132571	692020.12	92377.24	12/07/10	5	6					0.25	0.25	U

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	1,3-DNB		
											Result	DL	VQ
IAAP132584	IAAP132584	691993.3	92446.6	12/07/10	0	1					0.25	0.25	U
IAAP132584	IAAP132585	691993.3	92446.6	12/07/10	1	2					0.25	0.25	U
IAAP132584	IAAP132586	691993.3	92446.6	12/07/10	2	3					0.25	0.25	U
IAAP132584	IAAP132587	691993.3	92446.6	12/07/10	3	4					0.25	0.25	U
IAAP132584	IAAP132588	691993.3	92446.6	12/07/10	4	5					0.25	0.25	U
IAAP132584	IAAP132589	691993.3	92446.6	12/07/10	5	6					0.25	0.25	U
IAAP132590	IAAP132590	692004.8	92423.59	12/07/10	0	1					0.25	0.25	U
IAAP132590	IAAP132591	692004.8	92423.59	12/07/10	1	2					0.25	0.25	U
IAAP132590	IAAP132592	692004.8	92423.59	12/07/10	2	3					0.25	0.25	U
IAAP132590	IAAP132593	692004.8	92423.59	12/07/10	3	4					0.25	0.25	U
IAAP132590	IAAP132594	692004.8	92423.59	12/07/10	4	5					0.25	0.25	U
IAAP132590	IAAP132595	692004.8	92423.59	12/07/10	5	6					0.25	0.25	U
IAAP132602	IAAP132602	692021.1	92375.6	12/08/10	0	1					0.25	0.25	U
IAAP132602	IAAP132603	692021.1	92375.6	12/08/10	1	2					0.25	0.25	U
IAAP132602	IAAP132604	692021.1	92375.6	12/08/10	2	3					0.25	0.25	U
IAAP132602	IAAP132605	692021.1	92375.6	12/08/10	3	4					0.25	0.25	U
IAAP132602	IAAP132606	692021.1	92375.6	12/08/10	4	5					0.25	0.25	U
IAAP132602	IAAP132607	692021.1	92375.6	12/08/10	5	6					0.25	0.25	U
IAAP132608	IAAP132608	692034.8	92362.03	12/08/10	0	1					0.25	0.25	U
IAAP132608	IAAP132609	692034.8	92362.03	12/08/10	1	2					0.25	0.25	U
IAAP132608	IAAP132610	692034.8	92362.03	12/08/10	2	3					0.25	0.25	U
IAAP132608	IAAP132611	692034.8	92362.03	12/08/10	3	4					0.25	0.25	U
IAAP132608	IAAP132612	692034.8	92362.03	12/08/10	4	5					0.25	0.25	U
IAAP132608	IAAP132613	692034.8	92362.03	12/08/10	5	6					0.25	0.25	U
IAAP132560	IAAP132614	692009.98	92408.8	12/07/10	6.4	6.6					0.25	0.25	U
IAAP132590	IAAP132616	692004.8	92423.59	12/07/10	8.5	8.6					0.25	0.25	U
IAAP132602	IAAP132618	692021.1	92375.6	12/08/10	9.5	10					0.25	0.25	U
IAAP133133	IAAP133133	691985.5	92460.74	12/08/10	0	1					0.25	0.25	U
IAAP133133	IAAP133134	691985.5	92460.74	12/08/10	1	2					0.25	0.25	U
IAAP133133	IAAP133135	691985.5	92460.74	12/08/10	2	3					0.25	0.25	U
IAAP135624	IAAP135624	691980.88	92492.22	04/12/11	0	1					0.25	0.25	U
IAAP135624	IAAP135625	691980.88	92492.22	04/12/11	1	2					0.25	0.25	U
IAAP135624	IAAP135626	691980.88	92492.22	04/12/11	2	3					0.25	0.25	U
IAAP135624	IAAP135627	691980.88	92492.22	04/12/11	3	4					0.25	0.25	U
IAAP135624	IAAP135628	691980.88	92492.22	04/12/11	4	5					0.25	0.25	U
IAAP135624	IAAP135629	691980.88	92492.22	04/12/11	5	6					0.25	0.25	U
IAAP135630	IAAP135630	691983.2	92499.09	04/12/11	0	1					0.25	0.25	U
IAAP135630	IAAP135631	691983.2	92499.09	04/12/11	1	2					0.25	0.25	U
IAAP135630	IAAP135632	691983.2	92499.09	04/12/11	2	3					0.25	0.25	U
IAAP135630	IAAP135633	691983.2	92499.09	04/12/11	3	4					0.25	0.25	U
IAAP135630	IAAP135634	691983.2	92499.09	04/12/11	4	5					0.25	0.25	U

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	1,3-DNB		
											Result	DL	VQ
IAAP135630	IAAP135635	691983.2	92499.09	04/12/11	5	6					0.25	0.25	U
IAAP135642	IAAP135642	691979	92523.18	04/12/11	0	1					0.25	0.25	U
IAAP135642	IAAP135643	691979	92523.18	04/12/11	1	2					0.25	0.25	U
IAAP135642	IAAP135644	691979	92523.18	04/12/11	2	3					0.25	0.25	U
IAAP135642	IAAP135645	691979	92523.18	04/12/11	3	4					0.25	0.25	U
IAAP135642	IAAP135646	691979	92523.18	04/12/11	4	5					0.25	0.25	U
IAAP135642	IAAP135647	691979	92523.18	04/12/11	5	6					0.25	0.25	U
IAAP135648	IAAP135648	691977.06	92526.48	04/12/11	0	1					0.25	0.25	U
IAAP135648	IAAP135649	691977.06	92526.48	04/12/11	1	2					0.25	0.25	U
IAAP135648	IAAP135650	691977.06	92526.48	04/12/11	2	3					0.25	0.25	U
IAAP135648	IAAP135651	691977.06	92526.48	04/12/11	3	4					0.25	0.25	U
IAAP135648	IAAP135652	691977.06	92526.48	04/12/11	4	5					0.25	0.25	U
IAAP135648	IAAP135653	691977.06	92526.48	04/12/11	5	6					0.25	0.25	U
IAAP135672	IAAP135672	691966.97	92559.46	04/13/11	0	1					0.25	0.25	U
IAAP135672	IAAP135673	691966.97	92559.46	04/13/11	1	2					0.25	0.25	U
IAAP135672	IAAP135674	691966.97	92559.46	04/13/11	2	3					0.25	0.25	U
IAAP135672	IAAP135675	691966.97	92559.46	04/13/11	3	4					0.25	0.25	U
IAAP135672	IAAP135676	691966.97	92559.46	04/13/11	4	5					0.25	0.25	U
IAAP135672	IAAP135677	691966.97	92559.46	04/13/11	5	6					0.25	0.25	U
IAAP135678	IAAP135678	691962.25	92572.14	04/13/11	0	1					0.25	0.25	U
IAAP135678	IAAP135679	691962.25	92572.14	04/13/11	1	2					0.25	0.25	U
IAAP135678	IAAP135680	691962.25	92572.14	04/13/11	2	3					0.25	0.25	U
IAAP135678	IAAP135681	691962.25	92572.14	04/13/11	3	4					0.25	0.25	U
IAAP135678	IAAP135682	691962.25	92572.14	04/13/11	4	5					0.25	0.25	U
IAAP135678	IAAP135683	691962.25	92572.14	04/13/11	5	6					0.25	0.25	U
IAAP135684	IAAP135684	691961.6	92575.74	04/13/11	0	1					0.25	0.25	U
IAAP135684	IAAP135685	691961.6	92575.74	04/13/11	1	2					0.25	0.25	U
IAAP135684	IAAP135686	691961.6	92575.74	04/13/11	2	3					0.25	0.25	U
IAAP135684	IAAP135687	691961.6	92575.74	04/13/11	3	4					0.25	0.25	U
IAAP135684	IAAP135688	691961.6	92575.74	04/13/11	4	5					0.25	0.25	U
IAAP135684	IAAP135689	691961.6	92575.74	04/13/11	5	6					0.25	0.25	U
IAAP135690	IAAP135690	691957.18	92589.23	04/13/11	0	1					0.25	0.25	U
IAAP135690	IAAP135691	691957.18	92589.23	04/13/11	1	2					0.25	0.25	U
IAAP135690	IAAP135692	691957.18	92589.23	04/13/11	2	3					0.25	0.25	U
IAAP135690	IAAP135693	691957.18	92589.23	04/13/11	3	4					0.25	0.25	U
IAAP135690	IAAP135694	691957.18	92589.23	04/13/11	4	5					0.25	0.25	U
IAAP135690	IAAP135695	691957.18	92589.23	04/13/11	5	6					0.25	0.25	U
IAAP135696	IAAP135696	691953.6	92600.02	04/13/11	0	1					0.25	0.25	U
IAAP135696	IAAP135697	691953.6	92600.02	04/13/11	1	2					0.25	0.25	U
IAAP135696	IAAP135698	691953.6	92600.02	04/13/11	2	3					0.25	0.25	U
IAAP135696	IAAP135699	691953.6	92600.02	04/13/11	3	4					0.25	0.25	U

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	1,3-DNB		
											Result	DL	VQ
IAAP135696	IAAP135700	691953.6	92600.02	04/13/11	4	5					0.25	0.25	U
IAAP135696	IAAP135701	691953.6	92600.02	04/13/11	5	6					0.25	0.25	U
IAAP135702	IAAP135702	691943.2	92622.73	04/13/11	0	1					0.25	0.25	UJ
IAAP135702	IAAP135703	691943.2	92622.73	04/13/11	1	2					0.25	0.25	UJ
IAAP135702	IAAP135704	691943.2	92622.73	04/13/11	2	3					0.25	0.25	UJ
IAAP135702	IAAP135705	691943.2	92622.73	04/13/11	3	4					0.25	0.25	UJ
IAAP135702	IAAP135706	691943.2	92622.73	04/13/11	4	5					0.25	0.25	UJ
IAAP135702	IAAP135707	691943.2	92622.73	04/13/11	5	6					0.25	0.25	UJ
IAAP135708	IAAP135708	691942.51	92624.81	04/13/11	0	1					0.25	0.25	UJ
IAAP135708	IAAP135709	691942.51	92624.81	04/13/11	1	2					0.25	0.25	UJ
IAAP135708	IAAP135710	691942.51	92624.81	04/13/11	2	3					0.25	0.25	UJ
IAAP135708	IAAP135711	691942.51	92624.81	04/13/11	3	4					0.25	0.25	UJ
IAAP135708	IAAP135712	691942.51	92624.81	04/13/11	4	5					0.25	0.25	UJ
IAAP135708	IAAP135713	691942.51	92624.81	04/13/11	5	6					0.25	0.25	UJ
IAAP135714	IAAP135714	691941.17	92628.8	04/13/11	0	1					0.25	0.25	UJ
IAAP135714	IAAP135715	691941.17	92628.8	04/13/11	1	2					0.25	0.25	UJ
IAAP135714	IAAP135716	691941.17	92628.8	04/13/11	2	3					0.25	0.25	UJ
IAAP135714	IAAP135717	691941.17	92628.8	04/13/11	3	4					0.25	0.25	UJ
IAAP135714	IAAP135718	691941.17	92628.8	04/13/11	4	5					0.25	0.25	UJ
IAAP135714	IAAP135719	691941.17	92628.8	04/13/11	5	6					0.25	0.25	UJ
IAAP135720	IAAP135720	691939.44	92633.99	04/13/11	0	1					0.25	0.25	UJ
IAAP135720	IAAP135721	691939.44	92633.99	04/13/11	1	2					0.25	0.25	U
IAAP135720	IAAP135722	691939.44	92633.99	04/13/11	2	3					0.25	0.25	U
IAAP135720	IAAP135723	691939.44	92633.99	04/13/11	3	4					0.25	0.25	U
IAAP135720	IAAP135724	691939.44	92633.99	04/13/11	4	5					0.25	0.25	U
IAAP135720	IAAP135725	691939.44	92633.99	04/13/11	5	6					0.25	0.25	U
IAAP135726	IAAP135726	691938.97	92635.4	04/13/11	0	1					0.25	0.25	U
IAAP135726	IAAP135727	691938.97	92635.4	04/13/11	1	2					0.25	0.25	U
IAAP135726	IAAP135728	691938.97	92635.4	04/13/11	2	3					0.25	0.25	U
IAAP135726	IAAP135729	691938.97	92635.4	04/13/11	3	4					0.25	0.25	U
IAAP135726	IAAP135730	691938.97	92635.4	04/13/11	4	5					0.25	0.25	U
IAAP135726	IAAP135731	691938.97	92635.4	04/13/11	5	6					0.25	0.25	U
IAAP135732	IAAP135732	691935	92647.27	04/13/11	0	1					0.25	0.25	U
IAAP135732	IAAP135733	691935	92647.27	04/13/11	1	2					0.25	0.25	U
IAAP135732	IAAP135734	691935	92647.27	04/13/11	2	3					0.25	0.25	U
IAAP135732	IAAP135735	691935	92647.27	04/13/11	3	4					0.25	0.25	U
IAAP135732	IAAP135736	691935	92647.27	04/13/11	4	5					0.25	0.25	U
IAAP135732	IAAP135737	691935	92647.27	04/13/11	5	6					0.25	0.25	U
IAAP135738	IAAP135738	691931.22	92658.59	04/14/11	0	1					0.25	0.25	U
IAAP135738	IAAP135739	691931.22	92658.59	04/14/11	1	2					0.25	0.25	U
IAAP135738	IAAP135740	691931.22	92658.59	04/14/11	2	3					0.25	0.25	U

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	1,3-DNB		
											Result	DL	VQ
IAAP135738	IAAP135741	691931.22	92658.59	04/14/11	3	4					0.25	0.25	U
IAAP135738	IAAP135742	691931.22	92658.59	04/14/11	4	5					0.25	0.25	U
IAAP135738	IAAP135743	691931.22	92658.59	04/14/11	5	6					0.25	0.25	U
IAAP135744	IAAP135744	691926.8	92671.89	04/14/11	0	1					0.25	0.25	U
IAAP135744	IAAP135745	691926.8	92671.89	04/14/11	1	2					0.25	0.25	U
IAAP135744	IAAP135746	691926.8	92671.89	04/14/11	2	3					0.25	0.25	U
IAAP135744	IAAP135747	691926.8	92671.89	04/14/11	3	4					0.25	0.25	U
IAAP135744	IAAP135748	691926.8	92671.89	04/14/11	4	5					0.25	0.25	U
IAAP135744	IAAP135749	691926.8	92671.89	04/14/11	5	6					0.25	0.25	U
IAAP135750	IAAP135750	691925.92	92674.48	04/14/11	0	1					0.25	0.25	U
IAAP135750	IAAP135751	691925.92	92674.48	04/14/11	1	2					0.25	0.25	U
IAAP135750	IAAP135752	691925.92	92674.48	04/14/11	2	3					0.25	0.25	U
IAAP135750	IAAP135753	691925.92	92674.48	04/14/11	3	4					0.25	0.25	U
IAAP135750	IAAP135754	691925.92	92674.48	04/14/11	4	5					0.25	0.25	U
IAAP135750	IAAP135755	691925.92	92674.48	04/14/11	5	6					0.25	0.25	U
IAAP135756	IAAP135756	691923.6	92681.41	04/14/11	0	1					0.25	0.25	U
IAAP135756	IAAP135757	691923.6	92681.41	04/14/11	1	2					0.25	0.25	U
IAAP135756	IAAP135758	691923.6	92681.41	04/14/11	2	3					0.25	0.25	U
IAAP135756	IAAP135759	691923.6	92681.41	04/14/11	3	4					0.25	0.25	U
IAAP135756	IAAP135760	691923.6	92681.41	04/14/11	4	5					0.25	0.25	U
IAAP135756	IAAP135761	691923.6	92681.41	04/14/11	5	6					0.25	0.25	U
IAAP135762	IAAP135762	691918.6	92696.36	04/14/11	0	1					0.25	0.25	U
IAAP135762	IAAP135763	691918.6	92696.36	04/14/11	1	2					0.25	0.25	U
IAAP135762	IAAP135764	691918.6	92696.36	04/14/11	2	3					0.25	0.25	U
IAAP135762	IAAP135765	691918.6	92696.36	04/14/11	3	4					0.25	0.25	U
IAAP135762	IAAP135766	691918.6	92696.36	04/14/11	4	5					0.25	0.25	U
IAAP135762	IAAP135767	691918.6	92696.36	04/14/11	5	6					0.25	0.25	U
IAAP135768	IAAP135768	691912.95	92713.28	04/14/11	0	1					0.25	0.25	U
IAAP135768	IAAP135769	691912.95	92713.28	04/14/11	1	2					0.25	0.25	U
IAAP135768	IAAP135770	691912.95	92713.28	04/14/11	2	3					0.25	0.25	U
IAAP135768	IAAP135771	691912.95	92713.28	04/14/11	3	4					0.25	0.25	U
IAAP135768	IAAP135772	691912.95	92713.28	04/14/11	4	5					0.25	0.25	U
IAAP135768	IAAP135773	691912.95	92713.28	04/14/11	5	6					0.25	0.25	U
IAAP135774	IAAP135774	691910.4	92720.78	04/14/11	0	1					0.25	0.25	U
IAAP135774	IAAP135775	691910.4	92720.78	04/14/11	1	2					0.25	0.25	U
IAAP135774	IAAP135776	691910.4	92720.78	04/14/11	2	3					0.25	0.25	U
IAAP135774	IAAP135777	691910.4	92720.78	04/14/11	3	4					0.25	0.25	U
IAAP135774	IAAP135778	691910.4	92720.78	04/14/11	4	5					0.25	0.25	U
IAAP135774	IAAP135779	691910.4	92720.78	04/14/11	5	6					0.25	0.25	U
IAAP135780	IAAP135780	691914.76	92728.82	04/14/11	0	1					0.25	0.25	U
IAAP135780	IAAP135781	691914.76	92728.82	04/14/11	1	2					0.25	0.25	U

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	1,3-DNB		
											Result	DL	VQ
IAAP135780	IAAP135782	691914.76	92728.82	04/14/11	2	3					0.25	0.25	U
IAAP135780	IAAP135783	691914.76	92728.82	04/14/11	3	4					0.25	0.25	U
IAAP135780	IAAP135784	691914.76	92728.82	04/14/11	4	5					0.25	0.25	U
IAAP135780	IAAP135785	691914.76	92728.82	04/14/11	5	6					0.25	0.25	U
IAAP135786	IAAP135786	691924.4	92732.09	04/14/11	0	1					0.25	0.25	U
IAAP135786	IAAP135787	691924.4	92732.09	04/14/11	1	2					0.25	0.25	U
IAAP135786	IAAP135788	691924.4	92732.09	04/14/11	2	3					0.25	0.25	U
IAAP135786	IAAP135789	691924.4	92732.09	04/14/11	3	4					0.25	0.25	U
IAAP135786	IAAP135790	691924.4	92732.09	04/14/11	4	5					0.25	0.25	U
IAAP135630	IAAP135798	691983.2	92499.09	04/12/11	3.5	4					0.25	0.25	U
IAAP135774	IAAP135801	691910.4	92720.78	04/14/11	8.5	8.9					0.25	0.25	U
IAAP136603	IAAP136603	691990.48	93027.37	05/04/11	0	1					0.25	0.25	U
IAAP136603	IAAP136604	691990.48	93027.37	05/04/11	1	2					0.25	0.25	U
IAAP136603	IAAP136607	691990.48	93027.37	05/04/11	4	5					0.25	0.25	U
IAAP136603	IAAP136608	691990.48	93027.37	05/04/11	5	6					0.25	0.25	U
IAAP136615	IAAP136615	692002.23	92440.11	05/04/11	0	1					0.25	0.25	U
IAAP136615	IAAP136616	692002.23	92440.11	05/04/11	1	2					0.25	0.25	U
IAAP136615	IAAP136617	692002.23	92440.11	05/04/11	2	3					0.25	0.25	U
IAAP136615	IAAP136618	692002.23	92440.11	05/04/11	3	4					0.25	0.25	U
IAAP136615	IAAP136619	692002.23	92440.11	05/04/11	4	5					0.25	0.25	U
IAAP136615	IAAP136620	692002.23	92440.11	05/04/11	5	6					0.25	0.25	U
IAAP136621	IAAP136621	692000.16	92433.35	05/03/11	0	1					0.25	0.25	U
IAAP136621	IAAP136622	692000.16	92433.35	05/03/11	1	2					0.25	0.25	U
IAAP136621	IAAP136623	692000.16	92433.35	05/03/11	2	3					0.25	0.25	U
IAAP136621	IAAP136626	692000.16	92433.35	05/03/11	5	6					0.25	0.25	U
IAAP136627	IAAP136627	691984.57	92430.72	05/04/11	0	1					0.25	0.25	U
IAAP136627	IAAP136628	691984.57	92430.72	05/04/11	1	2					0.25	0.25	U
IAAP136627	IAAP136629	691984.57	92430.72	05/04/11	2	3					0.25	0.25	U
IAAP136627	IAAP136630	691984.57	92430.72	05/04/11	3	4					0.25	0.25	U
IAAP136627	IAAP136631	691984.57	92430.72	05/04/11	4	5					0.25	0.25	U
IAAP136627	IAAP136632	691984.57	92430.72	05/04/11	5	6					0.25	0.25	U
IAAP136633	IAAP136633	692028.24	92370.53	05/04/11	0	1					0.25	0.25	U
IAAP136633	IAAP136634	692028.24	92370.53	05/04/11	1	2					0.25	0.25	U
IAAP136633	IAAP136635	692028.24	92370.53	05/04/11	2	3					0.25	0.25	U
IAAP136633	IAAP136636	692028.24	92370.53	05/04/11	3	4					0.25	0.25	U
IAAP136633	IAAP136637	692028.24	92370.53	05/04/11	4	5					0.25	0.25	U
IAAP136633	IAAP136638	692028.24	92370.53	05/04/11	5	6					0.25	0.25	U
IAAP136639	IAAP136639	692028.32	92354.72	05/04/11	0	1					0.25	0.25	U
IAAP136639	IAAP136640	692028.32	92354.72	05/04/11	1	2					0.25	0.25	U
IAAP136639	IAAP136641	692028.32	92354.72	05/04/11	2	3					0.25	0.25	U
IAAP136639	IAAP136642	692028.32	92354.72	05/04/11	3	4					0.25	0.25	U

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	1,3-DNB		
											Result	DL	VQ
IAAP136639	IAAP136643	692028.32	92354.72	05/04/11	4	5					0.25	0.25	U
IAAP136639	IAAP136644	692028.32	92354.72	05/04/11	5	6					0.25	0.25	U
IAAP136654	IAAP136654	691990.21	92473.36	05/02/11	5	6					0.25	0.25	U
IAAP136656	IAAP136656	691972.56	92463.97	05/03/11	5	6					0.25	0.25	U
IAAP136658	IAAP136658	692002.51	92428.93	05/04/11	0	1					0.25	0.25	U
IAAP136663	IAAP136663	692014.03	92365.71	05/03/11	5	6					0.25	0.25	U
IAAP136664	IAAP136664	692018.77	92367.32	05/04/11	0	1					0.25	0.25	U
IAAP136664	IAAP136665	692018.77	92367.32	05/04/11	1	2					0.25	0.25	U
IAAP136664	IAAP136666	692018.77	92367.32	05/04/11	2	3					0.25	0.25	U
IAAP136664	IAAP136667	692018.77	92367.32	05/04/11	3	4					0.25	0.25	U
IAAP136664	IAAP136668	692018.77	92367.32	05/04/11	4	5					0.25	0.25	U
IAAP136664	IAAP136669	692018.77	92367.32	05/04/11	5	6					0.25	0.25	U
IAAP136670	IAAP136670	692034.54	92374.38	05/03/11	0	1					0.25	0.25	U
IAAP136670	IAAP136671	692034.54	92374.38	05/03/11	1	2					0.25	0.25	U
IAAP136670	IAAP136672	692034.54	92374.38	05/03/11	2	3					0.25	0.25	U
IAAP136670	IAAP136673	692034.54	92374.38	05/03/11	3	4					0.25	0.25	U
IAAP136670	IAAP136674	692034.54	92374.38	05/03/11	4	5					0.25	0.25	U
IAAP136670	IAAP136675	692034.54	92374.38	05/03/11	5	6					0.25	0.25	U
IAAP136676	IAAP136676	691938	92733.88	05/16/11	0	1					0.25	0.25	U
IAAP136677	IAAP136677	691930.96	92723.63	05/16/11	0	1					0.25	0.25	U
IAAP136678	IAAP136678	691973.09	92556.21	05/18/11	5	6					0.25	0.25	U
IAAP136679	IAAP136679	691958.86	92551.46	05/17/11	0	1					0.25	0.25	U
IAAP136681	IAAP136681	691961.63	92544.56	05/17/11	2	3					0.25	0.25	U
IAAP136682	IAAP136682	691989.82	92522.98	05/17/11	0.5	1.5					0.25	0.25	U
IAAP136683	IAAP136683	691981.92	92515.07	05/18/11	0	1					0.25	0.25	U
IAAP136683	IAAP136684	691981.92	92515.07	05/18/11	4	5					0.25	0.25	U
IAAP136685	IAAP136685	691970.85	92516.65	05/17/11	0	1					0.25	0.25	U
IAAP136686	IAAP136686	691983.5	92510.33	05/17/11	0	1					0.25	0.25	U
IAAP136686	IAAP136687	691983.5	92510.33	05/17/11	1	2					0.25	0.25	U
IAAP136686	IAAP136688	691983.5	92510.33	05/17/11	2	3					0.25	0.25	U
IAAP136686	IAAP136689	691983.5	92510.33	05/17/11	3	4					0.25	0.25	U
IAAP136686	IAAP136690	691983.5	92510.33	05/17/11	4	5					0.25	0.25	U
IAAP136686	IAAP136691	691983.5	92510.33	05/17/11	5	6					0.25	0.25	U
IAAP136775	IAAP136775	691933.21	92732.44	05/18/11	0	1					0.25	0.25	U
IAAP136775	IAAP136776	691933.21	92732.44	05/18/11	1	2					0.25	0.25	U
IAAP136775	IAAP136777	691933.21	92732.44	05/18/11	2	3					0.25	0.25	U
IAAP136775	IAAP136778	691933.21	92732.44	05/18/11	3	4					0.25	0.25	U
IAAP136775	IAAP136779	691933.21	92732.44	05/18/11	4	5					0.25	0.25	U
IAAP136775	IAAP136780	691933.21	92732.44	05/18/11	5	6					0.25	0.25	U
IAAP136781	IAAP136781	691929.35	92728.37	05/18/11	0	1					0.25	0.25	U
IAAP136781	IAAP136782	691929.35	92728.37	05/18/11	1	2					0.25	0.25	U

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	1,3-DNB		
											Result	DL	VQ
IAAP136781	IAAP136783	691929.35	92728.37	05/18/11	2	3					0.25	0.25	U
IAAP136781	IAAP136784	691929.35	92728.37	05/18/11	3	4					0.25	0.25	U
IAAP136781	IAAP136785	691929.35	92728.37	05/18/11	4	5					0.25	0.25	U
IAAP136781	IAAP136786	691929.35	92728.37	05/18/11	5	6					0.25	0.25	U
IAAP136787	IAAP136787	691976.83	92560.81	05/17/11	0	1					0.25	0.25	U
IAAP136787	IAAP136788	691976.83	92560.81	05/17/11	1	2					0.25	0.25	U
IAAP136787	IAAP136789	691976.83	92560.81	05/17/11	2	3					0.25	0.25	U
IAAP136787	IAAP136790	691976.83	92560.81	05/17/11	3	4					0.25	0.25	U
IAAP136787	IAAP136791	691976.83	92560.81	05/17/11	4	5					0.25	0.25	U
IAAP136787	IAAP136792	691976.83	92560.81	05/17/11	5	6					0.25	0.25	U
IAAP136793	IAAP136793	691963.6	92553.05	05/18/11	0	1					0.25	0.25	U
IAAP136793	IAAP136794	691963.6	92553.05	05/18/11	1	2					0.25	0.25	U
IAAP136793	IAAP136795	691963.6	92553.05	05/18/11	2	3					0.25	0.25	U
IAAP136793	IAAP136796	691963.6	92553.05	05/18/11	3	4					0.25	0.25	U
IAAP136793	IAAP136797	691963.6	92553.05	05/18/11	4	5					0.25	0.25	U
IAAP136793	IAAP136798	691963.6	92553.05	05/18/11	5	6					0.25	0.25	U
IAAP136799	IAAP136799	691985.08	92553.02	05/17/11	0	1					0.25	0.25	U
IAAP136799	IAAP136800	691985.08	92553.02	05/17/11	1	2					0.25	0.25	U
IAAP136799	IAAP136801	691985.08	92553.02	05/17/11	2	3					0.25	0.25	U
IAAP136799	IAAP136802	691985.08	92553.02	05/17/11	3	4					0.25	0.25	U
IAAP136799	IAAP136803	691985.08	92553.02	05/17/11	4	5					0.25	0.25	U
IAAP136799	IAAP136804	691985.08	92553.02	05/17/11	5	6					0.25	0.25	U
IAAP136805	IAAP136805	691974.27	92538.23	05/17/11	0	1					0.25	0.25	U
IAAP136805	IAAP136806	691974.27	92538.23	05/17/11	1	2					0.25	0.25	U
IAAP136805	IAAP136807	691974.27	92538.23	05/17/11	2	3					0.25	0.25	U
IAAP136805	IAAP136808	691974.27	92538.23	05/17/11	3	4					0.25	0.25	U
IAAP136805	IAAP136809	691974.27	92538.23	05/17/11	4	5					0.25	0.25	U
IAAP136805	IAAP136810	691974.27	92538.23	05/17/11	5	6					0.25	0.25	U
IAAP136811	IAAP136811	691970.78	92548.09	05/17/11	0	1					0.25	0.25	U
IAAP136811	IAAP136812	691970.78	92548.09	05/17/11	1	2					0.25	0.25	U
IAAP136811	IAAP136813	691970.78	92548.09	05/17/11	2	3					0.25	0.25	U
IAAP136811	IAAP136814	691970.78	92548.09	05/17/11	3	4					0.25	0.25	U
IAAP136811	IAAP136815	691970.78	92548.09	05/17/11	4	5					0.25	0.25	U
IAAP136811	IAAP136816	691970.78	92548.09	05/17/11	5	6					0.25	0.25	U
IAAP136817	IAAP136817	691966.07	92544.14	05/17/11	0	1					0.25	0.25	U
IAAP136817	IAAP136818	691966.07	92544.14	05/17/11	1	2					0.25	0.25	U
IAAP136817	IAAP136819	691966.07	92544.14	05/17/11	2	3					0.25	0.25	U
IAAP136817	IAAP136820	691966.07	92544.14	05/17/11	3	4					0.25	0.25	U
IAAP136817	IAAP136821	691966.07	92544.14	05/17/11	4	5					0.25	0.25	U
IAAP136817	IAAP136822	691966.07	92544.14	05/17/11	5	6					0.25	0.25	U
IAAP136823	IAAP136823	691994.57	92524.56	05/18/11	1	2					0.25	0.25	U

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	1,3-DNB		
											Result	DL	VQ
IAAP136823	IAAP136824	691994.57	92524.56	05/18/11	2	3					0.25	0.25	U
IAAP136823	IAAP136825	691994.57	92524.56	05/18/11	3	4					0.25	0.25	U
IAAP136823	IAAP136826	691994.57	92524.56	05/18/11	4	5					0.25	0.25	U
IAAP136823	IAAP136827	691994.57	92524.56	05/18/11	5	6					0.25	0.25	U
IAAP136823	IAAP136828	691994.57	92524.56	05/18/11	6	7					0.25	0.25	U
IAAP137255	IAAP137255	691975.59	92518.24	05/18/11	0	1					0.25	0.25	U
IAAP137255	IAAP137256	691975.59	92518.24	05/18/11	1	2					0.25	0.25	U
IAAP137255	IAAP137257	691975.59	92518.24	05/18/11	2	3					0.25	0.25	U
IAAP137255	IAAP137258	691975.59	92518.24	05/18/11	3	4					0.25	0.25	U
IAAP137255	IAAP137259	691975.59	92518.24	05/18/11	4	5					0.25	0.25	U
IAAP137255	IAAP137260	691975.59	92518.24	05/18/11	5	6					0.25	0.25	U
IAAP96925	IAAP96925	692027	92844.46	10/26/06	0	0.5							
IAAP96926	IAAP96926	692014.91	92844.8	10/26/06	0	0.5							
IAAP96928	IAAP96928	691998.35	92979.48	10/26/06	0	0.5							
IAAP96929	IAAP96929	691966.49	92969.51	10/26/06	0	0.5							
IAAP96934	IAAP96934	COMPOSITE	COMPOSITE	11/15/06	0	0.5							
IAAP96935	IAAP96935	691894.02	93328.08	11/15/06	0	0.5							
IAAP96936	IAAP96936	COMPOSITE	COMPOSITE	11/15/06	0	0.5							
IAAP96937	IAAP96937	COMPOSITE	COMPOSITE	11/13/06	0	0.5							
IAAP96938	IAAP96938	691840.29	93270.4	11/13/06	0	0.5							
IAAP96939	IAAP96939	691831.83	93298.23	11/13/06	0	0.5							
IAAP96940	IAAP96940	691832.3	93342.32	11/13/06	0	0.5							
IAAP96941	IAAP96941	691814.66	93317.23	11/13/06	0	0.5							
IAAP96942	IAAP96942	691838.97	93244.84	11/13/06	0	0.5							
IAAP96949	IAAP96949	692113.04	93092.9	11/15/06	0	0.5							
IAAP96950	IAAP96950	COMPOSITE	COMPOSITE	11/15/06	0	0.5							
IAAP96951	IAAP96951	COMPOSITE	COMPOSITE	11/15/06	0	0.5							
IAAP96952	IAAP96952	692127.71	93042.61	11/15/06	0	0.5							
IAAP96953	IAAP96953	692116.38	93011.84	11/15/06	0	0.5							
IAAP96954	IAAP96954	692116.26	92981.47	11/15/06	0	0.5							
IAAP96955	IAAP96955	692175.68	92981.55	11/15/06	0	0.5							
IAAP96956	IAAP96956	COMPOSITE	COMPOSITE	11/15/06	0	0.5							
IAAP96957	IAAP96957	692056.98	93146.93	11/15/06	0	0.5							
IAAP96958	IAAP96958	692074.54	93130.61	11/15/06	0	0.5							
IAAP96959	IAAP96959	COMPOSITE	COMPOSITE	11/14/06	0	0.5							
IAAP96960	IAAP96960	692088.53	93112.41	11/15/06	0	0.5							
IAAP96961	IAAP96961	COMPOSITE	COMPOSITE	11/13/06	0	0.5							
IAAP96962	IAAP96962	COMPOSITE	COMPOSITE	11/13/06	0	0.5							
IAAP96963	IAAP96963	COMPOSITE	COMPOSITE	11/13/06	0	0.5							
IAAP96964	IAAP96964	691985.83	93063.1	11/13/06	0	0.5							
IAAP96965	IAAP96965	691993.8	93029.94	11/13/06	0	0.5							

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	1,3-DNB		
											Result	DL	VQ
IAAP96966	IAAP96966	691954.93	93007.81	11/13/06	0	0.5							
IAAP96967	IAAP96967	691937	93039	11/13/06	0	0.5							
IAAP96968	IAAP96968	691938.96	93067.14	11/13/06	0	0.5							
IAAP96969	IAAP96969	691938.96	93067.14	11/13/06	1	2							
IAAP96970	IAAP96970	691909.48	93056.65	11/13/06	0	0.5							
IAAP96976	IAAP96976	COMPOSITE	COMPOSITE	11/14/06	0	0.5							
IAAP96977	IAAP96977	COMPOSITE	COMPOSITE	11/14/06	0	0.5							
IAAP96979	IAAP96979	691795.01	93119.57	11/14/06	0	0.5							
IAAP96980	IAAP96980	691808.87	93106.84	11/14/06	0	0.5							
IAAP96988	IAAP96988	691954.34	92114.71	11/14/06	0	0.5							
IAAP96989	IAAP96989	691876.63	92299.46	11/14/06	0	0.5							
IAAP96992	IAAP96992	COMPOSITE	COMPOSITE	11/14/06	0	0.5							
IAAP96994	IAAP96994	691857.33	92413.74	11/14/06	0	0.5							
IAAP96995	IAAP96995	691870.98	92410.67	11/14/06	0	0.5							
IAAP96996	IAAP96996	COMPOSITE	COMPOSITE	11/14/06	0	0.5							
IAAP96997	IAAP96997	691844.39	92407.27	11/14/06	0	0.5							
IAAP96998	IAAP96998	691728	93303	11/14/06	0	0.5							
IAAP97000	IAAP97000	691786.4	93115.72	11/14/06	0	0.5							
IAAP97001	IAAP97001	691872	93010	12/18/06	0	0.5							
IAAP97002	IAAP97002	691884	93003	12/18/06	0	0.5							
IAAP97003	IAAP97003	691888	92995	12/18/06	0	0.5							
IAAP97004	IAAP97004	691895	92793	12/19/06	0	0.5							
IAAP97005	IAAP97005	691902	92791	12/19/06	0	0.5							
IAAP97006	IAAP97006	691908	92794	12/19/06	0	0.5							
IAAP97007	IAAP97007	691925	92795	12/19/06	0	0.5							
IAAP97008	IAAP97008	691894	92818	12/19/06	0	0.5							
IAAP97009	IAAP97009	691903	92823	12/19/06	0	0.5							
IAAP97010	IAAP97010	691891	92892	12/19/06	0	0.5							
IAAP97011	IAAP97011	691900	92879	12/19/06	0	0.5							
IAAP97012	IAAP97012	691889	92913	12/19/06	0	0.5							
IAAP97013	IAAP97013	691813	92905	12/18/06	0	0.5							
IAAP97014	IAAP97014	691785	92886	12/18/06	0	0.5							
IAAP97015	IAAP97015	691688	92824	12/18/06	0	0.5							
IAAP97016	IAAP97016	691683	92887	12/18/06	0	0.5							
IAAP97017	IAAP97017	691680	92894	12/18/06	0	0.5							
IAAP97018	IAAP97018	691694	92881	12/18/06	0	0.5							
IAAP97020	IAAP97020	691695	92744	12/18/06	0	0.5							
IAAP97021	IAAP97021	691719	92718	12/18/06	0	0.5							
IAAP97022	IAAP97022	691753	92650	12/18/06	0	0.5							
IAAP97023	IAAP97023	691750	92660	12/18/06	0	0.5							
IAAP97024	IAAP97024	691745	92709	12/18/06	0	0.5							

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	1,3-DNB		
											Result	DL	VQ
IAAP97025	IAAP97025	691718	92783	12/18/06	0	0.5							
IAAP97026	IAAP97026	691811	92938	12/18/06	0	0.5							
IAAP97027	IAAP97027	691942	92676	12/19/06	0	0.5							
IAAP97029	IAAP97029	691930	92683	12/19/06	0	0.5							
IAAP97036	IAAP97036	692052.2	92417.45	12/19/06	0	0.5							
IAAP97037	IAAP97037	692060	92421.6	12/19/06	0	0.5							
IAAP97038	IAAP97038	692004	92424	12/19/06	0	0.5							
IAAP97039	IAAP97039	692142.8	92156	12/19/06	0	0.5							
IAAP97040	IAAP97040	692146	92149	12/19/06	0	0.5							
IAAP97041	IAAP97041	692132.3	92131.1	12/19/06	0	0.5							
IAAP97045	IAAP97045	692065	92323	12/19/06	0	0.5							
IAAP97046	IAAP97046	692051	92339	12/19/06	0	0.5							
IAAP97048	IAAP97048	692140.2	92094.9	12/19/06	0	0.5							
IAAP97049	IAAP97049	691998	92245	12/19/06	0	0.5							
IAAP98247	IAAP98247	691977	92312	12/19/06	0	0.5							
IAAP98250	IAAP98250	691732	92354	12/20/06	0	0.5							
IAAP98251	IAAP98251	691761	92310	12/20/06	0	0.5							
IAAP98253	IAAP98253	691755	92246	12/20/06	0	0.5							
IAAP98254	IAAP98254	691702	92289	12/20/06	0	0.5							
IAAP98260	IAAP98260	691719	92537	12/18/06	0	0.5							
IAAP98261	IAAP98261	691626	92692	12/18/06	0	0.5							
IAAP98262	IAAP98262	691633	92751	12/18/06	0	0.5							
IAAP98263	IAAP98263	691582	92869	12/18/06	0	0.5							
IAAP98264	IAAP98264	691518	93097	12/18/06	0	0.5							
IAAP98266	IAAP98266	691878	92578	12/18/06	0	0.5							
IAAP98273	IAAP98273	692131	92072.7	12/19/06	0	0.5							
IAAP99934	IAAP99934	692030.09	92396.58	04/16/07	0	1							
IAAP99934	IAAP99935	692030.09	92396.58	04/16/07	1	2							
IAAP99936	IAAP99936	692027.39	92394.07	04/16/07	0	1							
IAAP99936	IAAP99937	692027.39	92394.07	04/16/07	1	2							
IAAP99938	IAAP99938	691747.48	92260.65	04/15/07	0	0.5							
IAAP99939	IAAP99939	691743.59	92262.02	04/15/07	0	0.5							
IAAP99940	IAAP99940	691708.65	92265.87	04/15/07	0	0.5							
IAAP99941	IAAP99941	691700.52	92270.71	04/15/07	0	0.5							
IAAP99942	IAAP99942	692058.69	92404.33	04/16/07	0	0.5							
IAAP99959	IAAP99959	692014.14	92937.77	06/05/07	3	4							
IAAP99960	IAAP99960	692001.22	92882.79	06/05/07	2	2.5							
IAAP100071	IAAP99962	691694.48	92747.08	06/05/07	2	3							
100101	L1101001	691685	93330		0.0	1.0							
100101	L1101002	691685	93330		1.0	2.0					0.250	0.25	U
100101	L1101003	691685	93330		2.0	4.0					0.250	0.25	U

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	1,3-DNB		
											Result	DL	VQ
100101	L1101004	691685	93330		4.0	6.0					0.250	0.25	U
100102	L1101005	691685	93369		0.0	1.0							
100102	L1101006	691685	93369		1.0	2.0					0.250	0.25	U
100102	L1101007	691685	93369		2.0	4.0					0.250	0.25	U
100102	L1101008	691685	93369		4.0	6.0					0.250	0.25	U
100103	L1101009	691723	93308		0.0	1.0							
100103	L1101010	691723	93308		1.0	2.0					0.250	0.25	U
100103	L1101011	691723	93308		2.0	4.0					0.250	0.25	U
100103	L1101012	691723	93308		4.0	6.0					0.250	0.25	U
100201	L1102001	691824	93116		1.0	2.0							
100201	L1102002	691824	93116		2.0	4.0							
100202	L1102003	691834	93110		1.0	2.0							
100202	L1102004	691834	93110		2.0	4.0							
100203	L1102005	691839	93129		1.0	2.0							
100203	L1102006	691839	93129		2.0	4.0							
100204	L1102007	691851	93109		1.0	2.0							
100204	L1102008	691851	93109		2.0	4.0							
100205	L1102009	691838	93090		1.0	2.0							
100205	L1102010	691838	93090		2.0	4.0							
100205	L1102011	691838	93090		2.0	4.0							
100206	L1102012	691842	93123		1.0	2.0							
100206	L1102013	691842	93123		2.0	4.0							
100302	L1103005	691754	93117		0.0	1.0							
100302	L1103006	691754	93117		1.0	2.0					0.250	0.25	U
100302	L1103007	691754	93117		2.0	4.0					0.250	0.25	U
100302	L1103008	691754	93117		4.0	6.0					0.250	0.25	U
100303	L1103009	691803	93111		0.0	1.0							
100303	L1103010	691803	93111		1.0	2.0					0.250	0.25	U
100303	L1103011	691803	93111		2.0	4.0					0.250	0.25	U
100303	L1103012	691803	93111		4.0	6.0					0.250	0.25	U
100304	L1103013	691776	93096		0.0	1.0							
100304	L1103014	691776	93096		1.0	2.0					0.250	0.25	U
100304	L1103015	691776	93096		2.0	4.0					0.250	0.25	U
100304	L1103016	691776	93096		2.0	4.0					0.250	0.25	U
100304	L1103017	691776	93096		4.0	6.0					0.250	0.25	U
100305	L1103018	692112	92187		0.0	1.0							
100305	L1103019	692112	92187		1.0	2.0					0.250	0.25	U
100305	L1103020	692112	92187		2.0	4.0					0.250	0.25	U
100305	L1103021	692112	92187		4.0	6.0					0.250	0.25	U
100401	L1104001	691772	93135		0.0	1.0							
100401	L1104002	691772	93135		1.0	2.0					0.250	0.25	U

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	1,3-DNB		
											Result	DL	VQ
100401	L1104003	691772	93135		2.0	4.0					0.250	0.25	U
100401	L1104004	691772	93135		4.0	6.0					0.250	0.25	U
100402	L1104005	691742	93216		0.0	1.0							
100402	L1104006	691742	93216		1.0	2.0					0.250	0.25	U
100402	L1104007	691742	93216		2.0	4.0					0.250	0.25	U
100402	L1104008	691742	93216		4.0	6.0					0.250	0.25	U
100403	L1104009	691792	93152		0.0	1.0							
100403	L1104010	691792	93152		1.0	2.0					0.250	0.25	U
100403	L1104011	691792	93152		2.0	4.0					0.250	0.25	U
100403	L1104012	691792	93152		4.0	6.0					0.250	0.25	U
100404	L1104013	691796	93140		0.0	1.0							
100404	L1104014	691796	93140		1.0	2.0					0.250	0.25	U
100404	L1104015	691796	93140		2.0	4.0					0.250	0.25	U
100404	L1104016	691796	93140		4.0	6.0					0.250	0.25	U
100501	L1105001	691921	92838		0.0	1.0							
100501	L1105002	691921	92838		1.0	2.0					0.250	0.25	U
100501	L1105003	691921	92838		2.0	4.0					0.250	0.25	U
100501	L1105004	691921	92838		4.0	6.0					0.250	0.25	U
100502	L1105005	691921	92844		0.0	1.0							
100502	L1105006	691921	92844		1.0	2.0					0.250	0.25	U
100502	L1105007	691921	92844		1.0	2.0					0.250	0.25	U
100502	L1105008	691921	92844		2.0	4.0					0.240	0.24	U
100502	L1105009	691921	92844		4.0	6.0					0.250	0.25	U
100503	L1105010	691915	92797		0.0	1.0							
100503	L1105011	691915	92797		1.0	2.0					0.250	0.25	U
100503	L1105012	691915	92797		2.0	4.0					0.250	0.25	U
100503	L1105013	691915	92797		4.0	6.0					0.250	0.25	U
100504	L1105014	691932	92802		0.0	1.0							
100504	L1105015	691932	92802		1.0	2.0					0.250	0.25	U
100504	L1105016	691932	92802		2.0	4.0					0.250	0.25	U
100504	L1105017	691932	92802		4.0	6.0					0.250	0.25	U
100505	L1105018	691911	92799		0.0	1.0							
100505	L1105019	691911	92799		1.0	2.0					0.250	0.25	U
100505	L1105020	691911	92799		2.0	4.0					0.250	0.25	U
100505	L1105021	691911	92799		4.0	6.0					0.250	0.25	U
100506	L1105022	691896	92792		1.0	2.0					0.250	0.25	U
100506	L1105023	691896	92792		2.0	4.0					0.250	0.25	U
100506	L1105024	691896	92792		4.0	6.0					0.250	0.25	U
100509	L1105035	691899	92831		0.0	1.0							
100509	L1105036	691899	92831		1.0	2.0					0.240	0.24	U
100509	L1105037	691899	92831		2.0	4.0					0.250	0.25	U

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	1,3-DNB		
											Result	DL	VQ
100509	L1105038	691899	92831		4.0	6.0					0.250	0.25	U
100510	L1105055	691886	92945		0.0	1.0							
100510	L1105056	691886	92945		1.0	2.0					0.240	0.24	U
100510	L1105057	691886	92945		2.0	4.0					0.250	0.25	U
100510	L1105058	691886	92945		4.0	6.0					0.250	0.25	U
100511	L1105059	691877	92995		1.0	2.0					0.250	0.25	U
100511	L1105060	691877	92995		2.0	4.0					0.250	0.25	U
100511	L1105061	691877	92995		2.0	4.0					0.250	0.25	U
100511	L1105062	691877	92995		4.0	6.0					0.250	0.25	U
100512	L1105063	691842	92972		1.0	2.0					0.250	0.25	U
100512	L1105064	691842	92972		2.0	4.0					0.250	0.25	U
100512	L1105065	691842	92972		4.0	6.0					0.250	0.25	U
100513	L1105066	691845	92995		1.0	2.0					0.250	0.25	U
100513	L1105067	691845	92995		2.0	4.0					0.250	0.25	U
100513	L1105068	691845	92995		2.0	4.0					0.250	0.25	U
100514	L1105069	691849	92986		1.0	2.0					0.250	0.25	U
100514	L1105070	691849	92986		2.0	4.0					0.250	0.25	U
100514	L1105071	691849	92986		4.0	5.0					0.250	0.25	U
100517	L1105079	691867	93001		0.0	1.0							
100517	L1105080	691867	93001		1.0	2.0					0.250	0.25	U
100517	L1105081	691867	93001		2.0	4.0					0.250	0.25	U
100517	L1105082	691867	93001		4.0	6.0					0.250	0.25	U
100519	L1105088	691864	92940		0.0	1.0							
100519	L1105089	691864	92940		1.0	2.0					0.250	0.25	U
100519	L1105090	691864	92940		2.0	4.0					0.250	0.25	U
100519	L1105091	691864	92940		4.0	6.0					0.250	0.25	U
100521	L1105096	691911	92849		0.0	1.0							
100521	L1105097	691911	92849		1.0	2.0					0.250	0.25	U
100521	L1105098	691911	92849		2.0	4.0					0.250	0.25	U
100521	L1105099	691911	92849		4.0	6.0					0.240	0.24	U
100601	L1106001	691750	92646		0.0	1.0							
100601	L1106002	691750	92646		1.0	2.0					0.250	0.25	U
100601	L1106003	691750	92646		2.0	4.0					0.250	0.25	U
100601	L1106004	691750	92646		2.0	4.0					0.250	0.25	U
100601	L1106005	691750	92646		4.0	6.0					0.250	0.25	U
100602	L1106006	691739	92639		0.0	1.0							
100602	L1106007	691739	92639		1.0	2.0					0.250	0.25	U
100602	L1106008	691739	92639		2.0	4.0					0.250	0.25	U
100602	L1106009	691739	92639		4.0	6.0					0.250	0.25	U
100603	L1106010	691621	93000		0.0	1.0							
100603	L1106011	691621	93000		1.0	2.0					0.240	0.24	U

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	1,3-DNB		
											Result	DL	VQ
100603	L1106012	691621	93000		2.0	4.0					0.250	0.25	U
100603	L1106013	691621	93000		4.0	6.0					0.250	0.25	U
100604	L1106014	691632	93007		0.0	1.0							
100604	L1106015	691632	93007		1.0	2.0					0.250	0.25	U
100604	L1106016	691632	93007		2.0	4.0					0.250	0.25	U
100604	L1106017	691632	93007		4.0	6.0					0.250	0.25	U
100701	L1107001	692002	92830		0.0	1.0							
100701	L1107002	692002	92830		1.0	2.0					0.250	0.25	U
100701	L1107003	692002	92830		2.0	4.0					0.250	0.25	U
100702	L1107005	692023	92845		0.0	1.0							
100702	L1107006	692023	92845		1.0	2.0					0.250	0.25	U
100702	L1107007	692023	92845		2.0	4.0					0.250	0.25	U
100702	L1107008	692023	92845		4.0	6.0					0.250	0.25	U
100703	L1107009	692034	92800		0.0	1.0							
100703	L1107010	692034	92800		1.0	2.0					0.250	0.25	U
100703	L1107011	692034	92800		2.0	4.0					0.250	0.25	U
100703	L1107012	692034	92800		4.0	6.0					0.250	0.25	U
100801	L1108001	691700	92779		0.0	1.0							
100801	L1108002	691700	92779		1.0	2.0					0.240	0.24	U
100801	L1108003	691700	92779		2.0	4.0					0.250	0.25	U
100801	L1108004	691700	92779		2.0	4.0					0.240	0.24	U
100801	L1108005	691700	92779		4.0	6.0					0.250	0.25	U
100802	L1108006	691723	92706		0.0	1.0							
100802	L1108006A	691723	92706		0.0	1.0							
100802	L1108007	691723	92706		1.0	2.0					0.250	0.25	U
100802	L1108007A	691723	92706		1.0	2.0					0.250	0.25	U
100802	L1108008	691723	92706		2.0	4.0					0.250	0.25	U
100802	L1108008A	691723	92706		2.0	4.0					0.250	0.25	U
100802	L1108009	691723	92706		4.0	6.0					0.250	0.25	U
100802	L1108009A	691723	92706		4.0	6.0					0.250	0.25	U
100803	L1108010	691715	92725		0.0	1.0							
100803	L1108011	691715	92725		1.0	2.0					0.250	0.25	U
100803	L1108012	691715	92725		2.0	4.0					0.250	0.25	U
100803	L1108013	691715	92725		4.0	6.0					0.250	0.25	U
100805	L1108018	691709	92730		0.0	1.0							
100805	L1108019	691709	92730		1.0	2.0					0.250	0.25	U
100805	L1108020	691709	92730		2.0	4.0					0.250	0.25	U
100805	L1108021	691709	92730		4.0	6.0					0.250	0.25	U
101001	L1110001	691959	92688		0.0	1.0							
101001	L1110002	691959	92688		1.0	2.0					0.250	0.25	U
101001	L1110003	691959	92688		2.0	4.0					0.250	0.25	U

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	1,3-DNB		
											Result	DL	VQ
101001	L1110004	691959	92688		4.0	6.0					0.250	0.25	U
101004	L1110016	691978	92653		0.0	1.0							
101004	L1110017	691978	92653		1.0	2.0					0.250	0.25	U
101004	L1110018	691978	92653		2.0	4.0					0.250	0.25	U
101004	L1110019	691978	92653		4.0	6.0					0.250	0.25	U
101005	L1110037	691993	92609		0.0	1.0							
101005	L1110038	691993	92609		1.0	2.0					0.250	0.25	U
101005	L1110039	691993	92609		2.0	4.0					0.250	0.25	U
101005	L1110040	691993	92609		4.0	6.0					0.250	0.25	U
101006	L1110025	691952	92623		0.0	1.0							
101006	L1110026	691952	92623		1.0	2.0					0.250	0.25	U
101006	L1110027	691952	92623		2.0	4.0					0.250	0.25	U
101006	L1110028	691952	92623		4.0	5.0					0.250	0.25	U
101007	L1110029	691971	92576		0.0	1.0							
101007	L1110030	691971	92576		1.0	2.0					0.250	0.25	U
101008	L1110033	691999	92585		0.0	1.0							
101008	L1110034	691999	92585		1.0	2.0					0.250	0.25	U
101008	L1110035	691999	92585		2.0	4.0					0.250	0.25	U
101008	L1110036	691999	92585		4.0	6.0					0.250	0.25	U
101009	L1110021	691999	92618		0.0	1.0							
101009	L1110022	691999	92618		1.0	2.0					0.250	0.25	U
101009	L1110023	691999	92618		2.0	4.0					0.250	0.25	U
101009	L1110024	691999	92618		4.0	6.0					0.250	0.25	U
101101	L1111001	691809	93287		0.0	1.0							
101101	L1111002	691809	93287		1.0	2.0					0.250	0.25	U
101101	L1111003	691809	93287		2.0	4.0					0.250	0.25	U
101101	L1111004	691809	93287		4.0	6.0					0.250	0.25	U
101102	L1111005	691832	93269		0.0	1.0							
101102	L1111006	691832	93269		2.0	4.0							
101103	L1111007	691812	93314		0.0	1.0							
101103	L1111008	691812	93314		1.0	2.0					0.250	0.25	U
101103	L1111009	691812	93314		2.0	4.0					0.250	0.25	U
101103	L1111010	691812	93314		4.0	6.0					0.250	0.25	U
101104	L1111011	691845	93331		0.0	1.0							
101104	L1111012	691845	93331		1.0	2.0					0.250	0.25	U
101104	L1111013	691845	93331		2.0	4.0					0.250	0.25	U
101104	L1111014	691845	93331		4.0	6.0					0.250	0.25	U
101105	L1111015	691894	93311		0.0	1.0							
101105	L1111016	691894	93311		1.0	2.0					0.250	0.25	U
101105	L1111017	691894	93311		2.0	4.0					0.250	0.25	U
101105	L1111018	691894	93311		4.0	6.0					0.250	0.25	U

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	1,3-DNB		
											Result	DL	VQ
101106	L1111019	691911	93281		0.0	1.0							
101106	L1111020	691911	93281		1.0	2.0					0.250	0.25	U
101106	L1111022	691911	93281		2.0	4.0					0.250	0.25	U
101106	L1111023	691911	93281		4.0	6.0					0.250	0.25	U
101107	L1111024	691838	93244		0.0	1.0							
101107	L1111025	691838	93244		1.0	2.0					0.250	0.25	U
101107	L1111026	691838	93244		2.0	4.0					0.250	0.25	U
101107	L1111027	691838	93244		4.0	6.0					0.250	0.25	U
101201	L1112001	692036	92381		1.0	2.0					0.250	0.25	U
101201	L1112001A	692036	92381		0.0	1.0							
101201	L1112002	692036	92381		1.0	2.0					0.250	0.25	U
101201	L1112003	692036	92381		2.0	4.0					0.250	0.25	U
101201	L1112004	692036	92381		4.0	6.0					0.250	0.25	U
101204	L1112011A	692080	92344		0.0	1.0							
101204	L1112012	692080	92344		2.0	4.0					0.250	0.25	U
101204	L1112013	692080	92344		4.0	6.0					0.250	0.25	U
101205	L1112014	692105	92261		1.0	2.0					0.250	0.25	U
101205	L1112014A	692105	92261		0.0	1.0							
101205	L1112015	692105	92261		2.0	4.0					0.250	0.25	U
101205	L1112016	692105	92261		4.0	6.0					0.250	0.25	U
101206	L1112017	692086	92238		1.0	2.0					0.250	0.25	U
101206	L1112017A	692086	92238		0.0	1.0							
101206	L1112018	692086	92238		2.0	4.0					0.250	0.25	U
101206	L1112019	692086	92238		4.0	6.0					0.250	0.25	U
101207	L1112020	692050	92340		1.0	2.0					0.250	0.25	U
101207	L1112020A	692050	92340		0.0	1.0							
101207	L1112021	692050	92340		2.0	4.0					0.250	0.25	U
101207	L1112022	692050	92340		4.0	6.0					0.250	0.25	U
101208	L1112023	692041	92462		0.0	1.0							
101208	L1112024	692041	92462		1.0	2.0					0.250	0.25	U
101208	L1112025	692041	92462		1.0	2.0					0.250	0.25	U
101208	L1112026	692041	92462		2.0	4.0					0.250	0.25	U
101208	L1112027	692041	92462		4.0	6.0					0.250	0.25	U
101209	L1112028	692063	92389		0.0	1.0							
101209	L1112029	692063	92389		1.0	2.0					0.250	0.25	U
101209	L1112030	692063	92389		2.0	4.0					0.250	0.25	U
101209	L1112031	692063	92389		4.0	6.0					0.250	0.25	U
101210	L1112033	692085	92323		1.0	2.0					0.250	0.25	U
101210	L1112034	692085	92323		2.0	4.0					0.250	0.25	U
101210	L1112036	692085	92323		4.0	6.0					0.250	0.25	U
101210	L111232	692085	92323		0.0	1.0							

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	1,3-DNB		
											Result	DL	VQ
101211	L1112037	692098	92292		0.0	1.0							
101211	L1112038	692098	92292		1.0	2.0					0.250	0.25	U
101211	L1112039	692098	92292		2.0	4.0					0.250	0.25	U
101211	L1112040	692098	92292		4.0	6.0					0.250	0.25	U
101212	L1112041	692076	92256		0.0	1.0							
101212	L1112042	692076	92256		1.0	2.0					0.250	0.25	U
101212	L1112043	692076	92256		2.0	4.0					0.250	0.25	U
101212	L1112044	692076	92256		4.0	6.0					0.250	0.25	U
101213	L1112045	692055	92294		0.0	1.0							
101213	L1112046	692055	92294		1.0	2.0					0.250	0.25	U
101213	L1112047	692055	92294		2.0	4.0					0.250	0.25	U
101213	L1112048	692055	92294		2.0	4.0							
101213	L1112049	692055	92294		4.0	6.0					0.250	0.25	U
101301	L1113001	691873	92319		0.0	1.0							
101301	L1113002	691873	92319		1.0	2.0					0.250	0.25	U
101301	L1113003	691873	92319		2.0	4.0					0.250	0.25	U
101301	L1113004	691873	92319		4.0	6.0					0.250	0.25	U
101302	L1113006	691868	92338		0.0	1.0							
101302	L1113007	691868	92338		1.0	2.0					0.250	0.25	U
101302	L1113008	691868	92338		2.0	4.0					0.250	0.25	U
101302	L1113009	691868	92338		4.0	6.0					0.250	0.25	U
101303	L1113010	691845	92407		0.0	1.0							
101303	L1113011	691845	92407		1.0	2.0					0.250	0.25	U
101303	L1113012	691845	92407		2.0	4.0					0.250	0.25	U
101303	L1113013	691845	92407		4.0	6.0					0.250	0.25	U
101304	L1113014	691870	92409		2.0	4.0							
101304	L1113015	691870	92409		1.0	2.0					0.250	0.25	U
101304	L1113016	691870	92409		2.0	4.0					0.250	0.25	U
101304	L1113017	691870	92409		4.0	6.0					0.250	0.25	U
101305	L1113018	691882	92387		0.0	1.0							
101305	L1113019	691882	92387		1.0	2.0					0.250	0.25	U
101305	L1113020	691882	92387		2.0	4.0					0.250	0.25	U
101305	L1113021	691882	92387		4.0	6.0					0.250	0.25	U
101306	L1113024	691889	94486		1.0	2.0					0.250	0.25	U
101307	L1113023	691900	92319		1.0	2.0					0.250	0.25	U
101307	L1113027	691900	92319		0.0	1.0							
101307	L1113028	691900	92319		1.0	2.0					0.250	0.25	U
101308	L11130035	691875	92309		4.0	6.0					0.250	0.25	U
101308	L1113031	691875	92309		0.0	1.0							
101308	L1113032	691875	92309		1.0	2.0					0.250	0.25	U
101308	L1113033	691875	92309		2.0	4.0					0.250	0.25	U

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	1,3-DNB		
											Result	DL	VQ
101308	L1113034	691875	92309		2.0	4.0					0.250	0.25	U
101309	L1113036	691881	92297		0.0	1.0							
101309	L1113037	691881	92297		1.0	2.0					0.250	0.25	U
101309	L1113038	691881	92297		2.0	4.0					0.250	0.25	U
101309	L1113039	691881	92297		4.0	6.0					0.250	0.25	U
101401	L1114001	691797	92489		0.0	1.0							
101401	L1114002	691797	92489		1.0	2.0					0.250	0.25	U
101401	L1114003	691797	92489		2.0	4.0					0.250	0.25	U
101401	L1114004	691797	92489		4.0	6.0					0.250	0.25	U
101402	L1114005	691814	92487		0.0	1.0							
101402	L1114006	691814	92487		1.0	2.0					0.250	0.25	U
101402	L1114007	691814	92487		2.0	4.0					0.250	0.25	U
101402	L1114008	691814	92487		4.0	6.0					0.250	0.25	U
101501	L1115001	691936	92124		0.0	1.0							
101501	L1115002	691936	92124		1.0	2.0					0.250	0.25	U
101501	L1115003	691936	92124		2.0	4.0					0.250	0.25	U
101501	L1115004	691936	92124		4.0	6.0					0.250	0.25	U
101502	L1115005	691916	92117		0.0	1.0							
101502	L1115006	691916	92117		1.0	2.0					0.250	0.25	U
101502	L1115007	691916	92117		2.0	4.0					0.250	0.25	U
101502	L1115008	691916	92117		4.0	6.0					0.250	0.25	U
101503	L1115009	691925	92088		0.0	1.0							
101503	L1115010	691925	92088		1.0	2.0					0.250	0.25	U
101503	L1115011	691925	92088		2.0	4.0					0.250	0.25	U
101503	L1115012	691925	92088		4.0	6.0					0.250	0.25	U
101504	L1115014	691931	92075		0.0	1.0							
101504	L1115015	691931	92075		1.0	2.0					0.250	0.25	U
101504	L1115016	691931	92075		2.0	4.0					0.250	0.25	U
101504	L1115017	691931	92075		4.0	6.0					0.250	0.25	U
101505	L1115018	691943	92106		0.0	1.0							
101505	L1115019	691943	92106		1.0	2.0					0.250	0.25	U
101505	L1115020	691943	92106		2.0	4.0					0.250	0.25	U
101505	L1115021	691943	92106		4.0	6.0					0.250	0.25	U
101506	L1115022	691950	92080		0.0	1.0							
101506	L1115023	691950	92080		1.0	2.0					0.250	0.25	U
101506	L1115024	691950	92080		2.0	4.0					0.250	0.25	U
101506	L1115025	691950	92080		4.0	6.0					0.250	0.25	U
101601	L1116001	692018	92532		1.0	2.0							
101602	L1116002	692025	92510		1.0	2.0							
101604	L1116005	692012	92535		1.0	2.0							
101605	L1116006	692003	92526		1.0	2.0							

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	1,3-DNB		
											Result	DL	VQ
101605	L1116007	692003	92526		1.0	2.0							
101901	L1119001	691756	92245		0.0	1.0							
101901	L1119002	691756	92245		1.0	2.0					0.250	0.25	U
101901	L1119003	691756	92245		2.0	4.0					0.250	0.25	U
101901	L1119004	691756	92245		4.0	6.0					0.250	0.25	U
101902	L1119005	691701	92291		0.0	1.0							
101902	L1119006	691701	92291		1.0	2.0					0.250	0.25	U
101902	L1119007	691701	92291		2.0	4.0					0.250	0.25	U
101902	L1119008	691701	92291		4.0	6.0					0.250	0.25	U
101903	L1119011	691682	92349		0.0	1.0							
101903	L1119012	691682	92349		1.0	2.0					0.250	0.25	U
101903	L1119013	691682	92349		2.0	4.0					0.250	0.25	U
101903	L1119014	691682	92349		4.0	6.0					0.250	0.25	U
101904	L1119015	691752	92256		0.0	1.0							
101904	L1119016	691752	92256		1.0	2.0					0.250	0.25	U
101904	L1119017	691752	92256		2.0	4.0					0.250	0.25	U
101904	L1119018	691752	92256		4.0	6.0					0.250	0.25	U
101905	L1119019	691756	92280		0.0	1.0							
101905	L1119020	691756	92280		1.0	2.0					0.250	0.25	U
101905	L1119021	691756	92280		2.0	4.0					0.250	0.25	U
101905	L1119022	691756	92280		4.0	6.0					0.250	0.25	U
103601	L1136001	691816	93159		0.0	1.0							
103601	L1136002	691816	93159		1.0	2.0							
103601	L1136003	691816	93159		2.0	4.0							
103602	L1136004	691819	93152		0.0	1.0							
103602	L1136005	691819	93152		1.0	2.0							
103602	L1136006	691819	93152		2.0	4.0							
103603	L1136007	691811	93151		0.0	1.0							
103603	L1136008	691811	93151		1.0	2.0							
103603	L1136009	691811	93151		2.0	4.0							
104001	L1140001	691989	92970		0.0	1.0							
104001	L1140002	691989	92970		1.0	2.0					0.250	0.25	U
104001	L1140003	691989	92970		2.0	4.0					0.250	0.25	U
104001	L1140004	691989	92970		4.0	6.0					0.250	0.25	U
104002	L1140005	691966	92968		0.0	1.0							
104002	L1140007	691966	92968		1.0	2.0					0.250	0.25	U
104002	L1140008	691966	92968		2.0	4.0					0.250	0.25	U
104002	L1140009	691966	92968		4.0	6.0					0.250	0.25	U
104003	L1140010	692020	92953		0.0	1.0							
104003	L1140011	692020	92953		0.0	1.0					0.250	0.25	U
104003	L1140013	692020	92953		2.0	4.0					0.250	0.25	U

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	1,3-DNB		
											Result	DL	VQ
104003	L1140014	692020	92953		4.0	6.0					0.250	0.25	U
104004	L1140015	691950	92925		0.0	1.0							
104004	L1140016	691950	92925		1.0	2.0					0.250	0.25	U
104004	L1140017	691950	92925		2.0	4.0					0.250	0.25	U
104004	L1140018	691950	92925		4.0	6.0					0.250	0.25	U
104005	L1140006	692034	92912		2.0	4.0					0.250	0.25	U
104005	L1140020	692034	92912		0.0	1.0							
104005	L1140021	692034	92912		1.0	2.0					0.250	0.25	U
104005	L1140022	692034	92912		2.0	4.0					0.250	0.25	U
104005	L1140023	692034	92912		4.0	6.0					0.250	0.25	U
104006	L1140024	692023	92873		0.0	1.0							
104006	L1140025	692023	92873		1.0	2.0					0.250	0.25	U
104006	L1140026	692023	92873		2.0	4.0					0.250	0.25	U
104006	L1140027	692023	92873		4.0	6.0					0.250	0.25	U
104007	L1140028	691983	92874		0.0	1.0							
104007	L1140029	691983	92874		1.0	2.0					0.250	0.25	U
104007	L1140030	691983	92874		2.0	4.0					0.250	0.25	U
105001	L1150001	691709	92844		1.0	2.0					0.240	0.24	U
105001	L1150002	691709	92844		2.0	4.0					0.250	0.25	U
105001	L1150003	691709	92844		4.0	6.0					0.250	0.25	U
105003	L1150007	691689	92828		0.0	1.0							
105003	L1150008	691689	92828		1.0	2.0					0.250	0.25	U
105003	L1150009	691689	92828		2.0	4.0					0.240	0.24	U
105003	L1150010	691689	92828		4.0	6.0					0.240	0.24	U
105004	L1150011	691716	92826		0.0	1.0							
105004	L1150012	691716	92826		1.0	2.0					0.250	0.25	U
105004	L1150013	691716	92826		2.0	4.0					0.250	0.25	U
105004	L1150014	691716	92826		4.0	6.0					0.250	0.25	U
105301	L1153001	692136	92161		1.0	2.0					0.250	0.25	U
105301	L1153001A	692136	92161		0.0	1.0							
105301	L1153003	692136	92161		2.0	4.0					0.250	0.25	U
105301	L1153004	692136	92161		4.0	6.0					0.250	0.25	U
105302	L1153002	692145	92145		0.0	1.0							
105302	L1153005	692145	92145		1.0	2.0					0.250	0.25	U
105302	L1153005A	692145	92145		0.0	1.0							
105302	L1153006	692145	92145		2.0	4.0					0.250	0.25	U
105302	L1153007	692145	92145		4.0	6.0					0.250	0.25	U
105303	L1153008	692108	92140		1.0	2.0					0.250	0.25	U
105303	L1153008A	692108	92140		0.0	1.0							
105303	L1153009	692108	92140		2.0	4.0					0.250	0.25	U
105303	L1153010	692108	92140		4.0	6.0					0.250	0.25	U

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	1,3-DNB		
											Result	DL	VQ
106002	L1160006	691662	92877		0.0	1.0							
106002	L1160007	691662	92877		1.0	2.0					0.250	0.25	U
106002	L1160008	691662	92877		2.0	4.0					0.240	0.24	U
106002	L1160009	691662	92877		4.0	6.0					0.250	0.25	U
106003	L1160010	691680	92888		0.0	1.0							
106003	L1160011	691680	92888		1.0	2.0					0.250	0.25	U
106003	L1160012	691680	92888		2.0	4.0					0.240	0.24	U
106003	L1160013	691680	92888		4.0	6.0					0.250	0.25	U
106003	L1160014	691680	92888		4.0	6.0					0.250	0.25	U
106004	L1160015	691680	92900		0.0	1.0							
106004	L1160016	691680	92900		1.0	2.0					0.250	0.25	U
106004	L1160017	691680	92900		2.0	4.0					0.250	0.25	U
106004	L1160019	691680	92900		4.0	6.0					0.240	0.24	U
106101	L1161001	691947	93086		0.0	1.0							
106101	L1161002	691947	93086		1.0	2.0					0.250	0.25	U
106101	L1161003	691947	93086		2.0	4.0					0.250	0.25	U
106101	L1161004	691947	93086		4.0	6.0					0.250	0.25	U
106102	L1161005	691909	93057		0.0	1.0							
106102	L1161006	691909	93057		1.0	2.0					0.250	0.25	U
106102	L1161007	691909	93057		1.0	2.0					0.250	0.25	U
106102	L1161008	691909	93057		2.0	4.0					0.250	0.25	U
106102	L1161009	691909	93057		4.0	6.0					0.250	0.25	U
106104	L1161014	691956	93011		0.0	1.0							
106104	L1161015	691956	93011		1.0	2.0					0.250	0.25	U
106104	L1161016	691956	93011		2.0	4.0					0.250	0.25	U
106104	L1161017	691956	93011		4.0	6.0					0.250	0.25	U
106301	L1163009	692099	92970		0.0	1.0							
106301	L1163010	692099	92970		1.0	2.0					0.250	0.25	U
106301	L1163011	692099	92970		2.0	4.0					0.250	0.25	U
106301	L1163012	692099	92970		4.0	6.0					0.250	0.25	U
106302	L1163013	692094	92997		0.0	1.0							
106302	L1163015	692094	92997		2.0	4.0					0.250	0.25	U
106302	L1163016	692094	92997		4.0	6.0					0.250	0.25	U
106303	L1163017	692099	93024		0.0	1.0							
106303	L1163018	692099	93024		1.0	2.0					0.250	0.25	U
106303	L1163019	692099	93024		2.0	4.0					0.250	0.25	U
106303	L1163020	692099	93024		4.0	6.0					0.250	0.25	U
106304	L1163021	692101	93040		0.0	1.0							
106304	L1163022	692101	93040		1.0	2.0					0.250	0.25	U
106304	L1163023	692101	93040		2.0	4.0					0.250	0.25	U
106304	L1163024	692101	93040		4.0	6.0					0.250	0.25	U

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	1,3-DNB		
											Result	DL	VQ
106305	L1163025	692073	93131		0.0	1.0							
106305	L1163026	692073	93131		1.0	2.0					0.250	0.25	U
106305	L1163027	692073	93131		1.0	2.0					0.250	0.25	U
106305	L1163028	692073	93131		2.0	4.0					0.250	0.25	U
106305	L1163029	692073	93131		4.0	6.0					0.250	0.25	U
106306	L1163030	692055	93147		0.0	1.0							
106306	L1163031	692055	93147		1.0	2.0					0.250	0.25	U
106306	L1163032	692055	93147		2.0	4.0					0.250	0.25	U
106306	L1163033	692055	93147		4.0	6.0					0.250	0.25	U
106307	L1163034	692088	93113		0.0	1.0							
106307	L1163035	692088	93113		1.0	2.0					0.250	0.25	U
106307	L1163036	692088	93113		2.0	4.0					0.250	0.25	U
106307	L1163037	692088	93113		4.0	6.0					0.250	0.25	U
106308	L1163038	692094	93102		0.0	1.0							
106308	L1163039	692094	93102		1.0	2.0					0.250	0.25	U
106308	L1163040	692094	93102		2.0	4.0					0.250	0.25	U
106308	L1163041	692094	93102		4.0	6.0					0.250	0.25	U
106401	L1164001	692022	93174		0.0	1.0							
106401	L1164002	692022	93174		1.0	2.0					0.250	0.25	U
106401	L1164003	692022	93174		2.0	4.0					0.250	0.25	U
106401	L1164004	692022	93174		4.0	6.0					0.250	0.25	U
106401	L1164018	692022	93174		0.0	1.0							
106402	L1164005	692011	93185		0.0	1.0							
106402	L1164006	692011	93185		4.0	6.0					0.250	0.25	U
106402	L1164007	692011	93185		2.0	4.0					0.250	0.25	U
106402	L1164008	692011	93185		4.0	6.0					0.250	0.25	U
106403	L1164009	692000	93195		0.0	1.0							
106403	L1164010	692000	93195		1.0	2.0					0.250	0.25	U
106403	L1164011	692000	93195		2.0	4.0					0.250	0.25	U
106403	L1164012	692000	93195		4.0	6.0					0.250	0.25	U
106403	L1164013	692000	93195		4.0	6.0					0.250	0.25	U
106404	L1164014	691970	93215		2.0	4.0							
106404	L1164015	691970	93215		1.0	2.0					0.250	0.25	U
106404	L1164016	691970	93215		2.0	4.0					0.250	0.25	U
106404	L1164017	691970	93215		4.0	6.0					0.250	0.25	U
106501	L1165001	692089	92859		0.0	1.0							
106501	L1165002	692089	92859		1.0	2.0					0.250	0.25	U
106501	L1165003	692089	92859		2.0	4.0					0.250	0.25	U
106501	L1165004	692089	92859		4.0	6.0					0.250	0.25	U
106501	L1165005	692089	92859		4.0	6.0					0.250	0.25	U
106502	L1165006	692086	92848		0.0	1.0							

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	1,3-DNB		
											Result	DL	VQ
106502	L1165007	692086	92848		1.0	2.0					0.250	0.25	U
106502	L1165008	692086	92848		2.0	4.0					0.250	0.25	U
106502	L1165009	692086	92848		4.0	6.0					0.250	0.25	U
106503	L1165010	692175	92980		0.0	1.0							
106503	L1165011	692175	92980		1.0	2.0					0.250	0.25	U
106503	L1165012	692175	92980		2.0	4.0					0.250	0.25	U
106503	L1165013	692175	92980		4.0	6.0					0.250	0.25	U
106503	L1165030	692175	92980		1.0	2.0					0.250	0.25	U
106504	L1165014	692161	92912		0.0	1.0							
106504	L1165015	692161	92912		1.0	2.0					0.250	0.25	U
106504	L1165016	692161	92912		2.0	4.0					0.250	0.25	U
106504	L1165017	692161	92912		4.0	6.0					0.250	0.25	U
106505	L1165018	692194	92823		0.0	1.0							
106505	L1165019	692194	92823		1.0	2.0					0.250	0.25	U
106505	L1165020	692194	92823		2.0	4.0					0.250	0.25	U
106505	L1165021	692194	92823		4.0	6.0					0.250	0.25	U
106506	L1165022	692273	92884		0.0	1.0							
106506	L1165023	692273	92884		1.0	2.0					0.250	0.25	U
106506	L1165024	692273	92884		2.0	4.0					0.250	0.25	U
106506	L1165025	692273	92884		4.0	6.0					0.250	0.25	U
106507	L1165026	692267	92904		0.0	1.0							
106507	L1165027	692267	92904		1.0	2.0					0.250	0.25	U
106507	L1165028	692267	92904		2.0	4.0					0.250	0.25	U
106507	L1165029	692267	92904		4.0	6.0					0.250	0.25	U
106507	L1165031	692267	92904		0.0	1.0							
106601	L1166001	691723	92395		0.0	1.0							
106601	L1166002	691723	92395		1.0	2.0					0.250	0.25	U
106601	L1166003	691723	92395		2.0	4.0					0.250	0.25	U
106601	L1166004	691723	92395		4.0	6.0					0.250	0.25	U
106602	L1166007	691680	92381		0.0	1.0							
106602	L1166008	691680	92381		1.0	2.0					0.250	0.25	U
106602	L1166009	691680	92381		2.0	4.0					0.250	0.25	U
106602	L1166010	691680	92381		4.0	6.0					0.250	0.25	U
106701	L1167001	691949	93193		0.0	1.0							
106701	L1167002	691949	93193		1.0	2.0					0.250	0.25	U
106701	L1167003	691949	93193		2.0	4.0					0.250	0.25	U
106701	L1167004	691949	93193		4.0	6.0					0.250	0.25	U
106702	L1167005	691953	93162		0.0	1.0							
106702	L1167006	691953	93162		1.0	2.0					0.250	0.25	U
106702	L1167007	691953	93162		1.0	2.0					0.250	0.25	U
106702	L1167008	691953	93162		4.0	6.0					0.250	0.25	U

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	1,3-DNB		
											Result	DL	VQ
106703	L1167009	691973	93141		0.0	1.0							
106703	L1167010	691973	93141		1.0	2.0					0.250	0.25	U
106703	L1167011	691973	93141		2.0	4.0					0.250	0.25	U
106703	L1167012	691973	93141		4.0	6.0					0.250	0.25	U
107001	L1170001	691981	92458		0.0	1.0							
107001	L1170002	691981	92458		1.0	2.0					0.250	0.25	U
107001	L1170003	691981	92458		2.0	4.0					0.250	0.25	U
107001	L1170004	691981	92458		4.0	6.0					0.250	0.25	U
107002	L1170005	691961	92498		0.0	1.0							
107002	L1170006	691961	92498		1.0	2.0					0.250	0.25	U
107002	L1170007	691961	92498		2.0	4.0					0.250	0.25	U
107002	L1170008	691961	92498		4.0	6.0					0.250	0.25	U
107101	L1171001	691874	92664		0.0	1.0							
107101	L1171002	691874	92664		1.0	2.0					0.250	0.25	U
107101	L1171003	691874	92664		2.0	4.0					0.250	0.25	U
107101	L1171004	691874	92664		4.0	6.0					0.250	0.25	U
107201	L1172001	691875	92586		0.0	1.0							
107201	L1172002	691875	92586		1.0	2.0					0.250	0.25	U
107201	L1172003	691875	92586		2.0	4.0					0.250	0.25	U
107201	L1172004	691875	92586		4.0	6.0					0.250	0.25	U
107201	L1172005	691875	92586		4.0	6.0					0.250	0.25	U
107303	L1173009	691882	92517		0.0	1.0							
107303	L1173010	691882	92517		1.0	2.0					0.240	0.24	U
107303	L1173011	691882	92517		2.0	4.0					0.240	0.24	U
107303	L1173012	691882	92517		4.0	6.0					0.250	0.25	U
107304	L1173013	691895	92491		0.0	1.0							
107304	L1173014	691895	92491		1.0	2.0					0.250	0.25	U
107304	L1173015	691895	92491		2.0	4.0					0.250	0.25	U
107304	L1173016	691895	92491		4.0	6.0					0.250	0.25	U
107305	L1173017	691925	92475		0.0	1.0							
107305	L1173018	691925	92475		1.0	2.0					0.250	0.25	U
107305	L1173019	691925	92475		2.0	4.0					0.250	0.25	U
107305	L1173020	691925	92475		4.0	6.0					0.250	0.25	U
107401	L1174001	691962	92425		0.0	1.0							
107401	L1174002	691962	92425		1.0	2.0					0.250	0.25	U
107401	L1174003	691962	92425		2.0	4.0					0.250	0.25	U
107401	L1174004	691962	92425		4.0	6.0					0.250	0.25	U
107501	L1175001	691970	92319		0.0	1.0							
107501	L1175002	691970	92319		1.0	2.0					0.250	0.25	U
107501	L1175003	691970	92319		2.0	4.0					0.250	0.25	U
107501	L1175004	691970	92319		4.0	6.0					0.250	0.25	U

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	1,3-DNB		
											Result	DL	VQ
107601	L1176001	691995	92243		0.0	1.0							
107601	L1176002	691995	92243		1.0	2.0					0.250	0.25	U
107601	L1176003	691995	92243		1.0	2.0					0.250	0.25	U
107601	L1176004	691995	92243		2.0	4.0					0.250	0.25	U
107601	L1176005	691995	92243		4.0	6.0					0.250	0.25	U
107701	L1177001	691839	93355		0.0	1.0							
107701	L1177002	691839	93355		1.0	2.0					0.250	0.25	U
107701	L1177003	691839	93355		2.0	4.0					0.250	0.25	U
107701	L1177004	691839	93355		4.0	6.0					0.250	0.25	U
108501	L1185001	692145	93053		0.0	1.0							
108501	L1185002	692145	93053		1.0	2.0					0.250	0.25	U
108501	L1185003	692145	93053		2.0	4.0					0.250	0.25	U
108501	L1185004	692145	93053		4.0	6.0					0.250	0.25	U
108502	L1185005	692193	93114		0.0	1.0							
108502	L1185006	692193	93114		1.0	2.0					0.250	0.25	U
108502	L1185007	692193	93114		1.0	2.0					0.250	0.25	U
108502	L1185009	692193	93114		4.0	6.0					0.250	0.25	U
110001	L11100001	691889	92747		0.0	1.0							
110001	L11100002	691889	92747		1.0	2.0					0.250	0.25	U
110001	L11100003	691889	92747		2.0	4.0					0.250	0.25	U
110001	L11100004	691889	92747		2.0	4.0					0.240	0.24	U
110003	L11100009	691958	92733		4.0	6.0					0.250	0.25	U
110003	L11100010	691958	92733		0.0	1.0							
110003	L11100011	691958	92733		1.0	2.0					0.250	0.25	U
110003	L11100012	691958	92733		1.0	2.0					0.250	0.25	U
110003	L11100013	691958	92733		2.0	4.0					0.240	0.24	U
110003	L11100014	691958	92733		4.0	6.0					0.250	0.25	U
110021	L111002001	691703	92269		0.0	1.0							
110021	L111002002	691703	92269		0.0	1.0							
110021	L111002003	691703	92269		1.0	2.0					0.250	0.25	U
110021	L111002004	691703	92269		2.0	4.0					0.250	0.25	U
110021	L111002005	691703	92269		4.0	6.0					0.250	0.25	U
110021	L111002006	691703	92269		4.0	6.0					0.250	0.25	U
112421	L11124001	691974	93402		1.0	2.0					0.250	0.25	U
112421	L11124002	691974	93402		2.0	4.0					0.250	0.25	U
112421	L11124003	691974	93402		4.0	6.0					0.250	0.25	U
112422	L11124004	691977	93392		1.0	2.0					0.250	0.25	U
112422	L11124005	691977	93392		2.0	4.0					0.250	0.25	U
112422	L11124006	691977	93392		4.0	6.0					0.250	0.25	U
112423	L11124007	691956	93454		1.0	2.0					0.250	0.25	U
112423	L11124008	691956	93454		2.0	4.0					0.250	0.25	U

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	1,3-DNB		
											Result	DL	VQ
112423	L11124009	691956	93454		4.0	6.0					0.250	0.25	U
112901	L11129001	691933	93378		1.0	2.0					0.250	0.25	U
112901	L11129002	691933	93378		2.0	4.0					0.250	0.25	U
112901	L11129003	691933	93378		4.0	6.0					0.250	0.25	U
112902	L11129004	691961	93373		1.0	2.0							
112902	L11129005	691961	93373		2.0	4.0							
112902	L11129006	691961	93373		2.0	4.0							
112903	L11129007	691939	93367		1.0	2.0					0.250	0.25	U
112903	L11129008	691939	93367		2.0	4.0					0.250	0.25	U
112903	L11129009	691939	93367		4.0	6.0					0.250	0.25	U
115201	L11152001	691670	93440		1.0	2.0							
115201	L11152002	691670	93440		2.0	4.0							
115202	L11152003	691677	93430		1.0	2.0							
115202	L11152004	691677	93430		2.0	4.0							
115203	L11152005	691655	93409		1.0	2.0							
115203	L11152006	691655	93409		2.0	4.0							
115204	L11152007	691646	93444		1.0	2.0							
115204	L11152008	691646	93444		2.0	4.0							
115205	L11152009	691681	93484		1.0	2.0							
115205	L11152009DL	691681	93484		1.0	2.0							
115205	L11152011	691681	93484		2.0	4.0							
115206	L11152012	691648	93431		1.0	2.0							
115206	L11152013	691648	93431		2.0	4.0							
115207	L11152014	691651	93420		1.0	2.0							
115207	L11152015	691651	93420		2.0	4.0							
115501	L11155001	691829	92890		0.0	1.0							
115501	L11155002	691829	92890		1.0	2.0					0.250	0.25	U
115501	L11155003	691829	92890		2.0	4.0					0.240	0.24	U
115501	L11155004	691829	92890		4.0	6.0					0.250	0.25	U
115501	L11155005	691829	92890		4.0	6.0					0.240	0.24	U
115502	L11155006	691921	92626		0.0	1.0							
115502	L11155007	691921	92626		1.0	2.0					0.250	0.25	U
115502	L11155008	691921	92626		2.0	4.0					0.250	0.25	U
115502	L11155009	691921	92626		4.0	6.0					0.250	0.25	U
115503	L11155010	692016	92333		0.0	1.0							
115503	L11155011	692016	92333		1.0	2.0					0.250	0.25	U
115503	L11155012	692016	92333		2.0	4.0					0.250	0.25	U
116901	L11169001	691798	92297		0.0	1.0							
116901	L11169002	691798	92297		1.0	2.0							
116902	L1169003	691703	93210		0.0	1.0							
116902	L1169004	691703	93210		1.0	2.0							

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	1,3-DNB		
											Result	DL	VQ
116903	L11169005	691920	92946		0.0	1.0							
116903	L11169006	691920	92946		1.0	2.0							
116904	L11169007	691946	92866		0.0	1.0							
116904	L11169008	691946	92866		1.0	2.0							
116905	L11169009	692120	92125		0.0	1.0							
116905	L11169010	692120	92125		1.0	2.0							
116906	L11169011	692028	92646		1.0	2.0							
116907	L11169013	692114	92355		0.0	1.0							
116907	L11169014	692114	92355		1.0	2.0							
116908	L11169016	692066	92273		0.0	1.0							
116908	L11169017	692066	92273		1.0	2.0							
116909	L11169018	691757	92233		0.0	1.0							
116909	L11169019	691757	92233		1.0	2.0							
116910	L11169020	691979	93373		0.0	1.0							
116910	L11169021	691979	93373		1.0	2.0							
116911	L11169022	691769	93328		0.0	1.0							
116911	L11169023	691769	93328		1.0	2.0							
116912	L11169024	691863	93415		0.0	1.0							
116912	L11169025	691863	93415		1.0	2.0							
116913	L11169026	691701	92898		0.0	1.0							
116913	L11169027	691701	92898		1.0	2.0							
116914	L11169028	691725	93411		0.0	1.0							
116914	L11169028DL	691725	93411		0.0	1.0							
116914	L11169029	691725	93411		1.0	2.0							
116914	L11169029DL	691725	93411		1.0	2.0							
116915	L11169030	691883	93355		0.0	1.0							
116915	L11169031	691883	93355		0.0	1.0							
116916	L11169032	692204	93063		0.0	1.0							
116916	L11169033	692204	93063		0.0	1.0							
116916	L11169034	692204	93063		1.0	2.0							
116917	L11169035	691698	92263		0.0	1.0							
116917	L11169036	691698	92263		1.0	2.0							
116918	L11169037	691949	93168		0.0	1.0							
116918	L11169038	691949	93168		1.0	2.0							
116919	L11169039	692104	92656		0.0	1.0							
116919	L11169040	692104	92656		1.0	2.0							
116920	L11169041	691813	92098		0.0	1.0							
116920	L11169042	691813	92098		1.0	2.0							
116920	L11169043	691813	92098		1.0	2.0							
116921	L11169044	692141	92572		0.0	1.0							
116921	L11169045	692141	92572		1.0	2.0							

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	1,3-DNB		
											Result	DL	VQ
116922	L11169046	692089	92779		0.0	1.0							
116922	L11169047	692089	92779		1.0	2.0							
116925	L11169052	691675	93311		0.0	1.0							
116925	L11169053	691675	93311		1.0	2.0							
160302	L1163014	692094	92997		1.0	2.0					0.250	0.25	U
163701	L1163001	691731	92351		0.0	1.0							
163701	L1163002	691731	92351		1.0	2.0					0.250	0.25	U
163701	L1163003	691731	92351		2.0	4.0							
163701	L1163004	691731	92351		4.0	6.0					0.250	0.25	U
163702	L1163005	691759	92309		0.0	1.0							
163702	L1163006	691759	92309		1.0	2.0					0.250	0.25	U
163702	L1163007	691759	92309		2.0	4.0					0.250	0.25	U
163702	L1163008	691759	92309		4.0	6.0					0.250	0.25	U
10DD01	L110DD001	691669	93262		0.0	1.0							
10DD01	L110DD002	691669	93262		1.0	2.0					0.250	0.25	U
10DD01	L110DD003	691669	93262		2.0	4.0					0.250	0.25	U
10DD01	L110DD004	691669	93262		4.0	6.0					0.250	0.25	U
10DD02	L110DD005	691641	93234		0.0	1.0							
10DD02	L110DD006	691641	93234		1.0	2.0					0.250	0.25	U
10DD02	L110DD007	691641	93234		2.0	4.0					0.250	0.25	U
10DD02	L110DD008	691641	93234		4.0	6.0					0.240	0.24	U
10DD03	L110DD009	691565	93119		0.0	1.0							
10DD03	L110DD010	691565	93119		1.0	2.0					0.250	0.25	U
10DD03	L110DD011	691565	93119		2.0	4.0					0.250	0.25	U
10DD03	L110DD012	691565	93119		4.0	6.0					0.250	0.25	U
10DD04	L110DD013	691508	93081		0.0	1.0							
10DD04	L110DD014	691508	93081		1.0	2.0					0.250	0.25	U
10DD04	L110DD015	691508	93081		2.0	4.0					0.250	0.25	U
10DD04	L110DD016	691508	93081		2.0	4.0					0.240	0.24	U
10DD04	L110DD017	691508	93081		4.0	6.0					0.250	0.25	U
10DD05	L110DD018	691525	93099		0.0	1.0							
10DD05	L110DD019	691525	93099		1.0	2.0					0.250	0.25	U
10DD07	L110DD026	691660	93153		0.0	1.0							
10DD07	L110DD027	691660	93153		1.0	2.0					0.250	0.25	U
10DD07	L110DD028	691660	93153		2.0	4.0					0.240	0.24	U
10DD07	L110DD029	691660	93153		4.0	6.0					0.250	0.25	U
10DD09	L110DD034	691861	92762		0.0	1.0							
10DD09	L110DD035	691861	92762		1.0	2.0					0.250	0.25	U
10DD09	L110DD036	691861	92762		2.0	4.0					0.250	0.25	U
10DD09	L110DD037	691861	92762		4.0	6.0					0.250	0.25	U
10DD10	L110DD038	691839	92768		0.0	1.0							

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	1,3-DNB		
											Result	DL	VQ
10DD10	L110DD039	691839	92768		0.0	1.0							
10DD10	L110DD040	691839	92768		1.0	2.0					0.250	0.25	U
10DD10	L110DD041	691839	92768		2.0	4.0					0.250	0.25	U
10DD10	L110DD042	691839	92768		4.0	6.0					0.250	0.25	U
10DD11	L110DD043	691762	92784		0.0	1.0							
10DD11	L110DD044	691762	92784		1.0	2.0					0.250	0.25	U
10DD11	L110DD045	691762	92784		1.0	2.0					0.250	0.25	U
10DD11	L110DD046	691762	92784		2.0	4.0					0.250	0.25	U
10DD11	L110DD047	691762	92784		4.0	6.0					0.250	0.25	U
10DD12	L110DD048	691726	92790		0.0	1.0							
10DD12	L110DD049	691726	92790		1.0	2.0					0.240	0.24	U
10DD12	L110DD050	691726	92790		2.0	4.0					0.240	0.24	U
10DD12	L110DD051	691726	92790		4.0	6.0					0.240	0.24	U
10DD13	L110DD052	691627	92701		0.0	1.0							
10DD13	L110DD053	691627	92701		1.0	2.0					0.250	0.25	U
10DD13	L110DD054	691627	92701		2.0	4.0					0.250	0.25	U
10DD13	L110DD055	691627	92701		4.0	6.0					0.250	0.25	U
10DD14	L110DD056	691617	92673		0.0	1.0							
10DD14	L110DD057	691617	92673		1.0	2.0					0.250	0.25	U
10DD14	L110DD058	691617	92673		2.0	4.0					0.250	0.25	U
10DD14	L110DD059	691617	92673		4.0	6.0					0.250	0.25	U
10DD15	L110DD060	691625	92545		0.0	1.0							
10DD15	L110DD061	691625	92545		1.0	2.0					0.250	0.25	U
10DD15	L110DD062	691625	92545		2.0	4.0					0.250	0.25	U
10DD15	L110DD063	691625	92545		4.0	6.0					0.250	0.25	U
10DD16	L110DD065	691588	92546		1.0	2.0					0.250	0.25	U
10DD16	L110DD066	691588	92546		2.0	4.0					0.250	0.25	U
10DD16	L110DD067	691588	92546		4.0	6.0					0.250	0.25	U
10DD17	L110DD069	691547	92435		1.0	2.0					0.250	0.25	U
10DD17	L110DD070	691547	92435		2.0	4.0					0.250	0.25	U
10DD17	L110DD071	691547	92435		4.0	6.0					0.250	0.25	U
10DD17	L110DD072	691547	92435		4.0	6.0					0.250	0.25	U
10DD18	L110DD074	691582	92419		1.0	2.0					0.250	0.25	U
10DD18	L110DD075	691582	92419		2.0	4.0					0.250	0.25	U
10DD18	L110DD076	691582	92419		4.0	6.0					0.250	0.25	U
10DD19	L110DD077	691678	92547		0.0	1.0							
10DD19	L110DD078DL	691678	92547		1.0	2.0							
10DD19	L110DD079DL	691678	92547		2.0	4.0							
10DD20	L110DD081	691806	92511		0.0	1.0							
10DD20	L110DD082	691806	92511		1.0	2.0					0.250	0.25	U
10DD20	L110DD083	691806	92511		2.0	4.0					0.250	0.25	U

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	1,3-DNB		
											Result	DL	VQ
10DD20	L110DD084	691806	92511		4.0	6.0					0.250	0.25	U
10DD21	L110DD085	691838	92504		0.0	1.0							
10DD21	L110DD086	691838	92504		1.0	2.0					0.250	0.25	U
10DD21	L110DD087	691838	92504		2.0	4.0					0.250	0.25	U
10DD21	L110DD088	691838	92504		4.0	6.0					0.250	0.25	U
10DD22	L110DD089	691858	92111		0.0	1.0							
10DD22	L110DD090	691858	92111		1.0	2.0					0.250	0.25	U
10DD22	L110DD091	691858	92111		2.0	4.0					0.250	0.25	U
10DD22	L110DD092	691858	92111		4.0	6.0					0.250	0.25	U
10DD23	L110DD094	691798	92021		1.0	2.0					0.250	0.25	U
10DD23	L110DD095	691798	92021		2.0	4.0					0.250	0.25	U
10DD23	L110DD096	691798	92021		4.0	6.0					0.250	0.25	U
10DD25	L110DD102	691742	92808		2.0	4.0							
10DD25	L110DD103	691742	92808		1.0	2.0					0.250	0.25	U
10DD25	L110DD104	691742	92808		2.0	4.0					0.250	0.25	U
10DD25	L110DD105	691742	92808		4.0	6.0					0.250	0.25	U
10DD26	L110DD106	691759	92856		0.0	1.0							
10DD26	L110DD107	691759	92856		1.0	2.0					0.250	0.25	U
10DD26	L110DD108	691759	92856		2.0	4.0					0.250	0.25	U
10DD26	L110DD109	691759	92856		4.0	6.0					0.250	0.25	U
10DD27	L110DD110	691918	91943		0.0	1.0							
10DD27	L110DD111	691918	91943		1.0	2.0					0.250	0.25	U
10DD27	L110DD112	691918	91943		2.0	4.0					0.250	0.25	U
10DD27	L110DD113	691918	91943		4.0	6.0					0.250	0.25	U
10DD28	L110DD115	691840	91886		1.0	2.0					0.250	0.25	U
10DD28	L110DD116	691840	91886		2.0	4.0					0.250	0.25	U
10DD28	L110DD117	691840	91886		4.0	6.0					0.250	0.25	U
10DD29	L110DD131	691632	93305		0.0	1.0							
10DD29	L110DD132	691632	93305		1.0	2.0					0.250	0.25	U
10DD29	L110DD133	691632	93305		2.0	4.0					0.250	0.25	U
10DD29	L110DD134	691632	93305		4.0	6.0					0.250	0.25	U
L1-E46-C001	IAAP137907						EU4	F	46	west wall BC 4 and 5	0.25	0.25	U
L1-E46-C002	IAAP137908									west wall BC 6, 7 and 3	0.25	0.25	U
L1-E46-C003	IAAP137909									floor BC 1, 9, 2, 3, 7, and 6	0.25	0.25	U
L1-E46-C004	IAAP137910									south wall BC 2, 3, and 4	0.25	0.25	U
L1-E46-C005	IAAP137911									floor BC 3, 4, 5, 6, and 7	0.25	0.25	U
L1-E46-C006	IAAP137912									east wall BC 1, 9, and 2	0.25	0.25	U

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	1,3-DNB		
											Result	DL	VQ
L1-E12-C001	IAAP112282						EU5	B	12	north wall BC 1 and 12	0.29	0.29	U
L1-E12-C002	IAAP112282-1					FD of IAAP112282				0.30	0.3	U	
L1-E12-C004	IAAP112283					east wall BC 1 and 2				0.27	0.27	U	
L1-E12-C005	IAAP112284					south wall BC 2 and 3				0.29	0.29	U	
L1-E12-C006	IAAP112285					west wall BC 8, 9, and 10; 11 and 12				0.29	0.29	U	
L1-E12-C007	IAAP112286					floor of EXC				0.29	0.29	U	
L1-E14-C001	IAAP112292						EU5	D	14	north wall BC 1 and 8	0.31	0.31	U
L1-E14-C002	IAAP112293					east wall BC 1 and 2				0.32	0.32	U	
L1-E14-C004	IAAP112295					west wall BC 7 and 8				0.32	0.32	U	
L1-E14-C005	IAAP112296					floor of EXC				0.31	0.31	U	
L1-E15-C001	IAAP112297						EU5	E North	15	Wall BC 15, 1, & 2	0.29	0.29	U
L1-E15-C004	IAAP112298					Wall BC 2, 3, 4, 5, & 6				0.28	0.28	U	
L1-E15-C007	IAAP112301					Wall BC 9, 10, 11, 12, 13, 14, & 15				0.28	0.28	U	
L1-E15-C009	IAAP112303					Floor BC 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, & 15				0.30	0.3	U	
L1-E15-C012	IAAP113264					Wall BC 6, 7, 8, & 9				0.29	0.29	U	
L1-E15-C005	IAAP112299						EU5	E South	15	Wall BC 1, 2, 3, 4, 5, 6, and 7	0.29	0.29	U
L1-E15-C006	IAAP112300					Wall BC 7, 8, and 9				0.27	0.27	U	
L1-E15-C008	IAAP112302					Wall BC 9, 10, 11, and 12				0.30	0.3	U	
L1-E15-C010	IAAP112353					Wall BC 12, 13 and 1				0.30	0.3	U	
L1-E15-C017-P4	IAAP132502					Floor BC 1, 2, 3, 4, 5, 11, 12, and 13				0.25	0.25	U	
L1-E15-C021-P4	IAAP132648					Floor BC 5,6, 10 and 11				0.25	0.25	U	
L1-E15-C022-P4	IAAP132649					Floor BC 6, 7, 8, 9, and 10				0.25	0.25	U	
L1-E50-C001	IAAP138923						EU5	F	50	Wall BC 26, 27, 28, 29 and 30	0.25	0.25	U
L1-E50-C002	IAAP138924					Wall BC 17, 18, 19, 20, and 21				0.25	0.25	U	
L1-E50-C003	IAAP138925					Wall BC 21, 22, 23, 24, 25, and 26				0.25	0.25	U	
L1-E50-C004	IAAP138926					Floor BC 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 48, and 49				0.25	0.25	U	
L1-E50-C005	IAAP138927					Wall BC 30, 31, 32, 33, 34, 35, and 36				0.25	0.25	U	
L1-E50-C007	IAAP138929					Wall BC 36, 37, 38, 39, 40, and 41				0.25	0.25	U	
L1-E50-C008	IAAP138930					Wall BC 8, 9, 10, 11, 12, 13, 14, 15, 16, and 17				0.25	0.25	U	
L1-E50-C009	IAAP138931					Floor BC 16, 17, 49, 48, 30, 31, 32, 33, 34, 35, 36, 37, 38, and 50				0.25	0.25	U	
L1-E50-C010	IAAP138932					Floor BC 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 50, 38, 39 40, 41, 46, and 47				0.25	0.25	U	
L1-E50-C011	IAAP139424					Wall BC 41, 42, 43, 44, and 45				0.25	0.25	U	
L1-E50-C012	IAAP139425					Wall BC 41 and 46				0.25	0.25	U	
L1-E50-C013	IAAP139426					Floor BC 41, 42, 43, 44, 45 and 46				0.25	0.25	U	
L1-E50-C016	IAAP139427					Wall BC 1, 2, 3, 4, 5, 6, 7, and 8	0.25	0.25	U				
L1-E17-C002	IAAP112310						EU5	G	17	east wall BC 8, 9, and 10	0.30	0.3	U
L1-E17-C011	IAAP131818					north wall BC 1, 2, and 3				0.25	0.25	U	
L1-E17-C009	IAAP131816					floor BC 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15 and 16				0.25	0.25	U	
L1-E17-C010	IAAP131817					floor BC 1, 2, 3, 4, 5, 16, and 17				0.25	0.25	U	

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	1,3-DNB		
											Result	DL	VQ
L1-E21-C001	IAAP112331						EU5	K	21	Wall BC 1 and 2	0.31	0.31	U
L1-E21-C002	IAAP112332					Wall BC 2 and 3				0.31	0.31	U	
L1-E21-C004	IAAP112334					Wall BC 1 and 23				0.30	0.3	U	
L1-E21-C005	IAAP112335					Floor BC 1, 2, 3, 24, and 23				0.35	0.35	U	
L1-E21-C010-P4	IAAP131855					Wall BC 4, 5, and 6				0.25	0.25	U	
L1-E21-C011-P4	IAAP131856					Wall BC 19, 20, 21, and 22				0.25	0.25	U	
L1-E21-C012-P4	IAAP131857					Floor BC 3, 4, 5, 6, 7, 8, 9, 18, 19, 20, 21, 22, 23, and 24				0.25	0.25	U	
L1-E1-C014	IAAP132640					Wall BC 9, 10, 11, and 12				0.25	0.25	U	
L1-E1-C015	IAAP132641					Wall BC 13, 14, 15, 16, 17, and 18				0.25	0.25	U	
L1-E21-C017	IAAP133121					Floor BC 9, 10, 11, 12, 13, 14, 15, 16, 17, and 18				0.25	0.25	U	
L1-E21-C020	IAAP133122					Floor BC 25, 26, 27, and 28				0.25	0.25	U	
L1-E21-C021	IAAP133123					Wall BC 26 and 27				0.25	0.25	U	
L1-E21-C022	IAAP133124					Wall BC 25 and 28				0.25	0.25	U	
L1-E21-C023	IAAP133125					Wall BC 27 and 28				0.25	0.25	U	
L1-E21-C024	IAAP133126					Wall BC 25 and 26				0.25	0.25	U	
L1-E55-C001	IAAP144023					Wall BC 1 and 13	EU5	N	55	0.25	0.25	U	
L1-E55-C004	IAAP144024					Wall BC 7 and 8				0.25	0.25	U	
L1-E55-C005	IAAP144025					Wall BC 6 and 7				0.25	0.25	U	
L1-E55-C006	IAAP144026					Floor BC 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, and 13				0.25	0.25	U	
L1-E55-C007	IAAP144027					Ramp BC 4, 5, 22 and 23				0.25	0.25	U	
L1-E55-C008	IAAP144028					Wall BC 19, 20, and 21 & BC 25 and 26				0.25	0.25	U	
L1-E55-C009	IAAP144029					Wall BC 14, 15, 27 and 28 & BC 1 and 2				0.25	0.25	U	
L1-E55-C010	IAAP144030					Wall BC 15 and 26				0.25	0.25	U	
L1-E55-C011	IAAP144031					Floor BC 14, 15, 26, 25, 16, 24, 17, 20, 21, 19, and 18				0.25	0.25	U	
L1-E56-C001	IAAP143936					Wall BC 1, 6, & 5				EU5	O	56	0.25
L1-E56-C002	IAAP143937					Wall BC 2, 3, & 4	0.25	0.25	U				
L1-E56-C003	IAAP143938					Wall BC 4 & 5	0.25	0.25	U				
L1-E56-C004	IAAP143939					Floor BC 1, 2, 3, 4, 5, & 6	0.25	0.25	U				
L1-E57-C001	IAAP144578					Wall BC 16 & 17	EU5	P	57	0.25	0.25	U	
L1-E57-C002	IAAP144579					Wall BC 1 & 17				0.25	0.25	U	
L1-E57-C003	IAAP144580					Wall BC 15 & 16				0.25	0.25	U	
L1-E57-C004	IAAP144581					Floor BC 1, 15, 16 & 17				0.25	0.25	U	
L1-E57-C005	IAAP144582					Wall BC 13, 14, & 15				0.25	0.25	U	
L1-E57-C006	IAAP144583					Wall BC 12 & 13				0.25	0.25	U	
L1-E57-C007	IAAP144584					Wall BC 9, 10, 11, & 12				0.25	0.25	U	
L1-E57-C010	IAAP144585					Wall BC 5, 6, 7, 8, & 9				0.25	0.25	U	
L1-E57-C011	IAAP144586					Wall BC 3 & 4				0.25	0.25	U	
L1-E57-C012	IAAP144587					Floor BC 1, 2, 3, 8, 9, 10, 11, 12,13, 14, &15				0.25	0.25	U	
L1-E57-C013-P2	IAAP144941					Floor BC 3, 4, 5, 6, 7, & 8				0.25	0.25	U	
L1-E57-C014	IAAP144589					Wall BC 2 & 3				0.25	0.25	U	
L1-E57-C015	IAAP144590					Wall BC 1 & 2				0.25	0.25	U	

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	1,3-DNB				
											Result	DL	VQ		
L1-E58-C008	IAAP151730						EU5	Q	58	Wall BC 18, 19, & 20	0.25	0.25	U		
L1-E58-C009	IAAP151731											Wall BC 16, 17, & 18	0.24	0.24	U
L1-E58-C010	IAAP151732											Wall BC 6, 7, 8, & 9	0.23	0.23	U
L1-E58-C011	IAAP151733											Wall BC 9, 10, 11, & 12	0.24	0.24	U
L1-E58-C013	IAAP151735											Wall BC 12 & 13	0.24	0.24	U
L1-E58-C014	IAAP151736											Floor BC 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 16, 17, 18, 19, & 20	0.24	0.24	U
L1-E58-C015	IAAP151737											Wall BC 15 & 16	0.23	0.23	U
L1-E58-C016	IAAP151738											Wall BC 13 & 14	0.23	0.23	U
L1-E58-C017	IAAP151739											Wall BC 14 & 15	0.22	0.22	U
L1-E58-C018	IAAP151740											Floor BC 13, 14, 15, & 16	0.22	0.22	U
L1-E58-C022-P2	IAAP165446											Floor 21, 22, 23, 36, 37, 38, 31, 32, 34, & 35	0.25	0.25	U
L1-E58-C023-P3	IAAP165496											Wall BC 25 & 26	0.25	0.25	U
L1-E58-C028	IAAP157270											Wall BC 33 & 63	0.25	0.25	U
L1-E58-C029	IAAP157271											Wall BC 32 & 63	0.24	0.24	U
L1-E58-C030-P4	IAAP166001											Floor BC 26, 27, 28, 29, 30, 31, & 38	0.25	0.25	U
L1-E58-C031-P3	IAAP165556											Wall BC 26, 27, & 28	0.25	0.25	U
L1-E58-C032	IAAP157274											Wall BC 61 & 62	0.24	0.24	U
L1-E58-C034	IAAP157278											Wall BC 21 & 22	0.23	0.23	U
L1-E58-C035-P2	IAAP165445											Wall BC 21, 35, & 34	0.25	0.25	U
L1-E58-C036	IAAP165451											Wall BC 29, 30, 31, & 32	0.25	0.25	U
L1-E58-C037	IAAP165495											Wall BC 22, 23, 24 & 25	0.25	0.25	U
L1-E58-C038	IAAP165497											Floor BC 23, 24, 25, 26, 37, & 36	0.25	0.25	U
L1-E58-C039	IAAP166000											Wall BC 28 & 29	0.25	0.25	U
L1-E58-C040	IAAP166002											Wall BC 45, 46, 47, & 48	0.25	0.25	U
L1-E58-C043	IAAP166003											Floor BC 40, 41, 42, 43, 44, 45, 46, 47, & 48	0.25	0.25	U
L1-E58-C044	IAAP166004											Wall BC 40, 41, 42, & 43	0.25	0.25	U
L1-E58-C045-P2	IAAP166379											Wall 55, 56, 57, 58, 59 & 60	0.25	0.25	U
L1-E58-C046-P3	IAAP167012											Floor 50, 51, 52, 53, 54, 55, 56, 57, 58, 59 & 60	0.25	0.25	U
L1-E58-C047	IAAP166009											Wall 50, 51, 52, 53, 54, & 55	0.25	0.25	U
L1-E58-C048	IAAP167013											Wall BC 52 & 53	0.25	0.25	U
L1-E58-C049	IAAP167014								Wall BC 55, 56, & 57	0.25	0.25	U			
L1-E58-C001	IAAP150654						EU5	Q North	58	Wall BC 1 & 2	0.25	0.25	U		
L1-E58-C002	IAAP150655											Wall BC 3 & 4	0.25	0.25	U
L1-E58-C003	IAAP150657											Floor BC 1, 2, 3, & 4	0.25	0.25	U
L1-E58-C004	IAAP150658											Wall BC 2 & 3	0.25	0.25	U
L1-E58-C005	IAAP150656											Wall BC 1 & 4	0.25	0.25	U
L1-E23-C009	IAAP137935						EU6	A	23	north wall BC7, 8, 9, 10, 11, and 12	0.25	0.25	U		
L1-E23-C010-P2	IAAP138635											south wall BC 1, 2, 3, and 4	0.25	0.25	U
L1-E23-C011	IAAP137937											west wall BC 4, 5, 6, and 7	0.25	0.25	U
L1-E23-C012	IAAP137938											floor of EXC	0.25	0.25	U

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	1,3-DNB		
											Result	DL	VQ
L1-E47-C001	IAAP138781						EU6	B	47	floor of EXC	0.25	0.25	U
L1-E47-C002	IAAP138782					north wall BC 9, 10, 11, 12, and 1				0.25	0.25	U	
L1-E47-C003	IAAP138783					east wall BC 1, 2, and 3				0.25	0.25	U	
L1-E47-C004	IAAP138784					south wall BC 3, 4, 5, 6, and 7				0.25	0.25	U	
L1-E47-C005	IAAP138785					west wall BC 7, 8, and 9				0.25	0.25	U	
L1-E49-C001	IAAP138902						EU6	C	49	Floor BC 40, 41, 42, and 43	0.25	0.25	U
L1-E49-F001	IAAP138917					Wall BC 42 and 43				0.25	0.25	U	
L1-E49-C002	IAAP139501					Floor BC 36, 37, 38, and 39				0.25	0.25	U	
L1-E49-C003	IAAP139502					Wall BC 36 and 39				0.25	0.25	U	
L1-E49-C004	IAAP139828					Wall BC 31, 32, and 33				0.25	0.25	U	
L1-E49-C005-P2	IAAP140363					Wall BC 20, 22, 23, 24, 25, 26, 27, 30, and 31				0.25	0.25	U	
L1-E49-C006	IAAP139830					Wall BC 1, 2, 3, 4, 5, 6, 7, and 8				0.25	0.25	U	
L1-E49-C009	IAAP139831					Floor BC 1, 2, 3, 4, 5, 6, 7, 8, 29, 28, 27, 30, 31, 32, 33, 34, and 35				0.25	0.25	U	
L1-E49-C010-P2	IAAP140362					Floor BC 8, 9, 10, 11, 12, 21, 20, 22, 23, 24, 25, 26, 27, 28, and 29				0.25	0.25	U	
L1-E49-C011	IAAP139833					Wall BC 8, 9, 10, 11, and 12				0.25	0.25	U	
L1-E49-C012	IAAP139991					Wall BC 18, 19, and 20				0.25	0.25	U	
L1-E49-C013	IAAP139992					Wall BC 12, 13, 14, and 15				0.25	0.25	U	
L1-E49-C014	IAAP139993					Wall BC 15, 16, 17, and 18				0.25	0.25	U	
L1-E49-C015	IAAP139994					Floor BC 12, 13, 14, 15, 16, 17, 18, 19, 20, and 21				0.25	0.25	U	
L1-E51-C001	IAAP139117									EU6	D	51	Wall BC 1, 2, 3, and 4
L1-E51-C004	IAAP139118					Wall BC 4, 5, 6, and 7	0.25	0.25	U				
L1-E51-C005	IAAP139119					Wall BC 7, 8, and 9	0.25	0.25	U				
L1-E51-C006	IAAP139120					Wall BC 9, 10, and 1	0.25	0.25	U				
L1-E51-C007	IAAP139121					Floor BC 1, 2, 3, 4, 5, 6, 7, 8, 9, and 10	0.25	0.25	U				

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Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	1,3-DNB		
											Result	DL	VQ
L1-E24/25-C001	IAAP132628						EU7	A & B	24 & 25	Floor BC 20, 21, 22 & 23	0.25	0.25	U
L1-E24/25-C002	IAAP132629					Floor BC 13, 14, 15, 16, 17, 18, 19, 20, 23, & 24				0.25	0.25	U	
L1-E24/25-C003	IAAP132630					Floor BC 24, 26, 27, 28, 29, & 25				0.25	0.25	U	
L1-E24/25-C004	IAAP132631					Floor BC 11, 12, 13, 24, 25, & 29				0.25	0.25	U	
L1-E24/25-C005	IAAP132632					Floor BC 30, 53, 54, & 31				0.25	0.25	U	
L1-E24/25-C006	IAAP132633					Floor BC 8, 9, 10, 11, 29, 30, 31, & 32				0.25	0.25	U	
L1-E24/25-C009-P2	IAAP133094					Wall BC 17, 18, 19, & 20				0.25	0.25	U	
L1-E24/25-C010	IAAP132635					Wall BC 8, 9, 10, 11, 12, 13, 14, 15, 16, & 17				0.25	0.25	U	
L1-E24/25-C011	IAAP132636					Floor BC 1, 2, 3, 4, 5, 6, 44, 36, 37, 38, 39, 40, 41, 42, & 43				0.25	0.25	U	
L1-E24/25-C012	IAAP131881					Floor BC 6, 7, 8, 32, 33, 34, 46, 45, 36, & 44				0.25	0.25	U	
L1-E24/25-C013	IAAP131882					Wall BC 40, 41, 42, 43, & 1				0.25	0.25	U	
L1-E24/25-C014	IAAP131883					Wall BC 32 & 33				0.25	0.25	U	
L1-E24/25-C015	IAAP131884					Wall BC 2, 3, 4, 5, 6, 7, & 8				0.25	0.25	U	
L1-E24/25-C016-P2	IAAP133095					Wall BC 36, 37, 38, 39, & 40				0.25	0.25	U	
L1-E24/25-C017-P2	IAAP133096					Wall BC 33 & 34				0.25	0.25	U	
L1-E24/25-C018	IAAP140465					Wall BC 45, 36, 35, 52, & 51				0.25	0.25	U	
L1-E24/25-C021	IAAP140466					Wall BC 48 & 49				0.25	0.25	U	
L1-E24/25-C022	IAAP140467					Wall BC 46, 34, 47, & 48				0.25	0.25	U	
L1-E24/25-C023	IAAP140468					Wall BC 49, 50, & 51				0.25	0.25	U	
L1-E24/25-C024	IAAP140469					Floor BC 35, 34, 47, 48, 49, 50, 51, & 52				0.25	0.25	U	
L1-E24/25-C025-P2	IAAP141196					Floor BC 34, 35, 45, & 46				0.25	0.25	U	

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	1,3-DNB		
											Result	DL	VQ
L1-E24/25-CO26	IAAP151199						EU7	A & B North	24 & 25	Wall BC 24 & 25	0.23	0.23	U
L1-E24/25-CO27	IAAP151200					Wall BC 22, 23, & 24				0.24	0.24	U	
L1-E24/25-CO28	IAAP151201					Wall BC 25, 26, 27, & 28				0.25	0.25	U	
L1-E24/25-CO29	IAAP151202					Floor BC 22, 23 24, 25, 26, 27, & 28				0.25	0.25	U	
L1-E24/25-C031	IAAP151488					Floor BC 3, 4, 5, 10, 11 12 13, 14, & 15				0.25	0.25	U	
L1-E24/25-C032	IAAP151489					Wall BC 4 & 5				0.23	0.23	U	
L1-E24/25-C033	IAAP151490					Wall BC 20 & 21				0.24	0.24	U	
L1-E24/25-C034	IAAP151491					Wall BC 19 & 20				0.25	0.25	U	
L1-E24/25-C036	IAAP151493					Wall BC 17 & 18				0.25	0.25	U	
L1-E24/25-C037	IAAP151494					Wall BC 3 & 4				0.24	0.24	U	
L1-E24/25-C040	IAAP151495					Ramp BC 1, 2, 3, 15, & 16				0.25	0.25	U	
L1-E24/25-C041	IAAP151496					Wall BC 2 & 3				0.25	0.25	U	
L1-E24/25-C043	IAAP151498					Wall BC 12, 13, 14, & 15				0.24	0.24	U	
L1-E24/25-C044	IAAP151499					Wall BC 11 & 12				0.25	0.25	U	
L1-E24/25-C030-P2	IAAP151698					Floor BC 17, 18, 19, 20, & 21				0.25	0.25	U	
L1-E24/25-C035-P2	IAAP151697					Wall BC 18 & 19				0.25	0.25	U	
L1-E24/25-C042-P2	IAAP151699					Wall BC 1, 16 & 15				0.24	0.24	U	
L1-E24/25-C045	IAAP151700					Wall BC 8, 9, 10, & 11				0.24	0.24	U	
L1-E24/25-C046	IAAP151701					Ramp BC 5, 6, 7, 8, 9, & 10				0.24	0.24	U	
L1-E24/25-C049	IAAP151702					Wall BC 5 & 6				0.25	0.25	U	
L1-E24/25-C050	IAAP151703					Wall BC 6 & 7	0.25	0.25	U				
L1-E26-C001	IAAP112372					north wall BC 1 and 4	EU7	C	26	0.32	0.32	U	
L1-E26-C002	IAAP112373					east wall BC 1 and 2				0.33	0.33	U	
L1-E26-C003	IAAP112374					south wall BC 2 and 3				0.31	0.31	U	
L1-E26-C004	IAAP112375					west wall BC 3 and 4				0.32	0.32	U	
L1-E26-C005	IAAP112376					floor of EXC				0.34	0.34	U	
L1-E26-C006	IAAP112376-1					FD of IAAP112376				0.34	0.34	U	
L1-E27-C001-P3	IAAP138933					Wall BC 18 and 19	EU7	D	27	0.25	0.25	U	
L1-E27-C003-P4	IAAP139431					Wall BC 5, 21, and 11 & Wall BC 6, 7, and 8				0.25	0.25	U	
L1-E27-C004-P3	IAAP138936					Wall BC 8, 9, 10, 11 and 12 & BC 13 and 14 & BC 17 and 18				0.25	0.25	U	
L1-E27-C005-P3	IAAP138937					Floor BC 11, 12, 13, 14, 15, 16, 17, 18, 19, and 21				0.25	0.25	U	
L1-E27-C009	IAAP138935					Wall BC 19 and 21				0.25	0.25	U	
L1-E27-C010-P2	IAAP139428					Wall BC 2, 3, 4, 5, and 6				0.25	0.25	U	
L1-E27-C011-P2	IAAP139429					Floor BC 3, 4, 5, 21, and 19				0.25	0.25	U	
L1-E27-C012	IAAP139430					Ramp BC 1, 2, 3, 19, and 20				0.25	0.25	U	
L1-E27-C013	IAAP139432					Floor BC 5, 6, 7, 8, 10, 11, and 21				0.25	0.25	U	
L1-E27-C014	IAAP139433					Wall BC 14, 15, 16, and 17				0.25	0.25	U	
L1-E27-C015	IAAP139434					Wall BC 12 and 13				0.25	0.25	U	
L1-E27-C016	IAAP140304					Boreholes west of steam line				0.25	0.25	U	

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	1,3-DNB		
											Result	DL	VQ
L1-E53-C001	IAAP139789						EU7	E	53	Wall BC 37, 38, 39, 40, 41, & 42	0.25	0.25	U
L1-E53-C002	IAAP139825									Wall BC 42 & 43	0.25	0.25	U
L1-E53-C003	IAAP139826									Wall BC 37, 53, 52, & 51	0.25	0.25	U
L1-E53-C004	IAAP139827									Floor BC 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, & 53	0.25	0.25	U
L1-E53-C005-P2	IAAP146016									Wall BC 2 & 3	0.25	0.25	U
L1-E53-C006	IAAP144924									Wall BC 3 & 4	0.25	0.25	U
L1-E53-C007	IAAP144925									Wall BC 4, 5, & 6	0.25	0.25	U
L1-E53-C008-P2	IAAP146017									Wall BC 6 & 7	0.25	0.25	U
L1-E53-C009-P2	IAAP146018									Wall BC 7, 8, & 9	0.25	0.25	U
L1-E53-C010	IAAP144928									Wall BC 9 & 10	0.25	0.25	U
L1-E53-C011	IAAP144929									Wall BC 10 & 11	0.25	0.25	U
L1-E53-C012	IAAP144930									Wall BC 11 & 12	0.25	0.25	U
L1-E53-C013	IAAP144931									Wall BC 13 & 14	0.25	0.25	U
L1-E53-C014	IAAP144932									Wall BC 14 & 15	0.25	0.25	U
L1-E53-C015	IAAP144933									Wall BC 17 & 18	0.25	0.25	U
L1-E53-C016	IAAP144934									Wall BC 18, 19, 20, & 21	0.25	0.25	U
L1-E53-C017	IAAP144935									Wall BC 21 & 22	0.25	0.25	U
L1-E53-C018-P2	IAAP146019									Wall BC 29, 30, 1, 2, 50 & 51	0.25	0.25	U
L1-E53-C019-P2	IAAP146020									Floor BC 16, 17, 18, 19, 20, & 36	0.25	0.25	U
L1-E53-C020	IAAP144938									Floor BC 9, 10, 11, 12, 13, 14, & 15	0.25	0.25	U
L1-E53-C023-P2	IAAP146021						Floor BC 1, 6, 7, 8, 9, 16, 36, 20, 21, 22, 29, & 30	0.25	0.25	U			
L1-E53-C024	IAAP144940						Floor BC 1, 2, 3, 4, 5, & 6	0.25	0.25	U			
L1-E53-C025	IAAP145144						Ramp BC 22, 23, 24, 25, 26, 27, 28, & 29	0.25	0.25	U			
L1-E53-C026	IAAP145145						Wall BC 22, 23, 24,& 25	0.25	0.25	U			
L1-E53-C027	IAAP145146						Wall BC 26, 27, 28, & 29	0.25	0.25	U			
L1-E53-C028-P2	IAAP146023						Wall BC 31 & 35	0.25	0.25	U			
L1-E53-C029-P2	IAAP146025						Wall BC 34 & 35	0.25	0.25	U			
L1-E53-C030-P2	IAAP146022						Floor BC 31, 32, 33, 34, & 35	0.25	0.25	U			
L1-E53-C031	IAAP146024						Wall BC 31, 32, & 33	0.25	0.25	U			
L1-E32-C005-P2	IAAP150228						EU9	B	32	Wall BC 5 & 6	0.25	0.25	U
L1-E32-C007-P2	IAAP150232									Floor BC 4, 5, 6, 7, 8,30, 31, & 23	0.25	0.25	U
L1-E32-C0011	IAAP150225									Floor BC 13, 14, 15, 16, 17, & 18	0.25	0.25	U
L1-E32-C0012	IAAP150226									Wall BC 16 & 17	0.25	0.25	U
L1-E32-C001-P3	IAAP150647									Ramp BC 1, 2, 3, 4, 23, 24, 25, 26, 27, 28, & 29	0.25	0.25	U
L1-E32-C006-P3	IAAP150651									Wall BC 22, 31, 23, 24, & 25	0.25	0.25	U
L1-E32-C008-P2	IAAP150650									Floor BC 8, 9, 10, 32, 11, 12, 13 18, 19, 20, 21, 22, 31, & 30	0.25	0.25	U
L1-E32-C013-P2	IAAP150653									Wall BC 32, 11, 12, 13, 14, 15, & 16	0.25	0.25	U
L1-E32-C014	IAAP150648									Wall BC 1, 2, 3, & 4	0.25	0.25	U
L1-E32-C015	IAAP150649									Wall BC 4 & 5	0.25	0.25	U
L1-E32-C016	IAAP150652						Wall BC 18, 19, 20, 21, & 22	0.25	0.25	U			

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	1,3-DNB		
											Result	DL	VQ
L1-E33-C006	IAAP150233						EU9B	C	33	Wall BC 10, 11, & 12	0.25	0.25	U
L1-E33-C007	IAAP150234					Wall BC 8, 9, & 10				0.25	0.25	U	
L1-E33-C008	IAAP150235					Floor BC 9, 10, 11, 12, 13, 14, 15, 30, 16, 17, 18, & 22				0.25	0.25	U	
L1-E33-C009	IAAP150236					Floor BC 7, 8, 9, 22, 18, 19, 20, & 21				0.25	0.25	U	
L1-E33-C010	IAAP150237					Wall BC 30, 16, 17, & 18				0.25	0.25	U	
L1-E32-C011-P2	IAAP150667					Wall BC 18, 19, 20, 26, 27, & 4				0.25	0.25	U	
L1-E32-C012	IAAP150659					Floor BC 1, 2, 3, 4, 29, 5, & 6				0.25	0.25	U	
L1-E32-C013	IAAP150660					Wall BC 1, 6, 5, & 29				0.25	0.25	U	
L1-E32-C015	IAAP150662					Wall BC 4 & 29				0.25	0.25	U	
L1-E32-C016	IAAP150663					Wall BC 3 & 23				0.25	0.25	U	
L1-E32-C017	IAAP150664					Wall 24, 25, & 26				0.25	0.25	U	
L1-E32-C018	IAAP150665					Wall 3, 28, & 27				0.25	0.25	U	
L1-E32-C019	IAAP150666					Floor BC 3, 23, 24, 25, 26, 27, & 28				0.25	0.25	U	
L1-E33-C020-P2	IAAP151144					Wall BC 8, 7, 24 & 23				0.25	0.25	U	
L1-E33-C023	IAAP151197					Wall BC 2 & 3				0.24	0.24	U	
L1-E33-C024	IAAP151198					Wall BC 1 & 2				0.24	0.24	U	
L1-E52-C001	IAAP139785						EU9B	D	52	East Wall BC 6, 7, & 8	0.25	0.25	U
L1-E52-C002	IAAP139786					South Wall BC 8, 9, 10, 11, 12, 13, & 14				0.25	0.25	U	
L1-E52-C003	IAAP139787					West Wall BC 14, 15, 16, 17, & 18				0.25	0.25	U	
L1-E52-C004	IAAP139788					Floor BC 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, & 22				0.25	0.25	U	
L1-E59-C001	IAAP146026						EU9B	E	59	Floor BC 1, 2, 3, 4, 5, 6, 7, 8, 9, & 10	0.25	0.25	U
L1-E59-C004	IAAP146027					Wall BC 7, 8, & 9				0.25	0.25	U	
L1-E59-C005-P2	IAAP146245					Wall BC 6 & 7				0.25	0.25	U	
L1-E59-C006	IAAP146029					Wall BC 5 & 6				0.25	0.25	U	
L1-E59-C007	IAAP146030					Wall BC 10, 1, 2, 3, 4, & 5	0.25	0.25	U				
L1-E36-C001	IAAP112472						EU9D	A	36	NE wall BC 1 and 8	0.30	0.3	U
L1-E36-C002	IAAP112473					SE wall BC 1 and 2; 3, 5, and 6				0.33	0.33	U	
L1-E36-C003	IAAP112474					SW wall BC 2 and 3; 6a and 7				0.29	0.29	U	
L1-E36-C004	IAAP112475					NW wall BC 7 and 8				0.29	0.29	U	
L1-E36-C005	IAAP112476					floor of EXC				0.29	0.29	U	
L1-E37-C001	IAAP112477						EU9D	B	37	NE wall BC 4, 5, 6, and 1	0.30	0.3	U
L1-E37-C002	IAAP112478					SE wall BC 1 and 2				0.31	0.31	U	
L1-E37-C003	IAAP112479					SW wall BC 2 and 3				0.30	0.3	U	
L1-E37-C004	IAAP112480					NW wall BC 3 and 4				0.29	0.29	U	
L1-E37-C005	IAAP112481					floor of EXC				0.31	0.31	U	

Notes:

VQ symbols indicate: “=” positive identification, positive quantitation, no reason to estimate, “U” non-detect, no reason to estimate, “J” positive identification, estimated quantitation, “UJ” analyte was not detected and had QC deficiencies.

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	2,4,6-TNT		
											Result	DL	VQ
IAAP100010	IAAP100010	691780.86	93099.7	03/28/07	0	0.5					0.27	0.27	U
IAAP100011	IAAP100011	691787.31	93095.73	03/28/07	0	0.5					0.32	0.32	U
IAAP100012	IAAP100012	691778.68	93098.89	03/29/07	0	0.5					0.35	0.35	U
IAAP100013	IAAP100013	691779.96	93101.82	03/29/07	0	0.5					0.27	0.27	U
IAAP100031	IAAP100031	691727.31	93292.52	03/29/07	0	0.5					0.30	0.3	U
IAAP100034	IAAP100034	691728.18	93296.62	03/29/07	0	0.5					0.31	0.31	U
IAAP100035	IAAP100035	692005.58	92968.44	03/23/07	0	0.5					0.33	0.33	U
IAAP100037	IAAP100037	692014.14	92937.77	03/23/07	0	0.5					0.30	0.3	U
IAAP100038	IAAP100038	692031.34	92874.43	03/23/07	0	0.5					0.37	0.37	U
IAAP100039	IAAP100039	692024.18	92862.93	03/23/07	0	0.5					0.34	0.34	U
IAAP100040	IAAP100040	692000.86	92882.82	03/23/07	0	0.5					0.32	0.32	U
IAAP100041	IAAP100041	691961.46	92932.89	03/23/07	0	0.5					0.29	0.29	U
IAAP100042	IAAP100042	691968.62	92956.24	03/23/07	0	0.5					0.31	0.31	U
IAAP100077	IAAP100077	691941.41	92682.71	04/15/07	0	0.5					0.33	0.33	U
IAAP100080	IAAP100080	691883.53	92828.33	04/16/07	0	0.5					0.32	0.32	U
IAAP100081	IAAP100081	691880.11	92824.77	04/16/07	0	0.5					0.30	0.3	U
IAAP100082	IAAP100082	691846	92975.9	04/12/07	0	0.5					0.31	0.31	U
IAAP100083	IAAP100083	691833.02	92985.13	04/12/07	0	0.5					0.56	0.34	J
IAAP100084	IAAP100084	691817.45	92952.64	04/12/07	0	0.5					0.33	0.33	U
IAAP100085	IAAP100085	691825.93	92962.89	04/12/07	0	0.5					0.38	0.38	U
IAAP100086	IAAP100086	691816.47	92969.84	04/12/07	0	0.5					0.34	0.34	U
IAAP100089	IAAP100089	691777.81	92877.46	04/12/07	0	0.5					0.38	0.38	U
IAAP100090	IAAP100090	691736.11	92729.43	04/12/07	0	0.5					0.36	0.36	U
IAAP100091	IAAP100091	691735.21	92735.25	04/12/07	0	0.5					0.36	0.36	U
IAAP100092	IAAP100092	691738.56	92729.19	04/12/07	0	0.5					0.34	0.34	U
IAAP100093	IAAP100093	691685.73	92756.51	04/12/07	0	0.5					0.41	0.41	U
IAAP100094	IAAP100094	691692.38	92751.73	04/12/07	0	0.5					0.33	0.33	U
IAAP100097	IAAP100097	692027.57	92531.96	04/15/07	0	0.5					0.34	0.34	U
IAAP103929	IAAP103929	691846	92975.9	05/30/07	0	0.5					0.30	0.3	UJ
IAAP103933	IAAP103933	691894.16	92815.81	06/05/07	0	0.5					0.29	0.29	U
IAAP103934	IAAP103934	691888.07	92827.71	06/05/07	0	0.5					0.45	0.33	=
IAAP103935	IAAP103935	691882.21	92826.3	06/05/07	0	0.5					0.31	0.31	U
IAAP103937	IAAP103937	691786	92883	05/30/07	0	0.5					0.90	0.34	J
IAAP103945	IAAP103945	691737.12	92730.82	06/05/07	0	0.5					0.36	0.31	J
IAAP103946	IAAP103946	691713.63	92731.28	06/05/07	0	0.5					0.30	0.3	UJ
IAAP103947	IAAP103947	691671.41	92853.69	05/30/07	0	0.5					0.33	0.33	U
IAAP103955	IAAP103955	691976	92478	06/05/07	1	2					0.32	0.32	UJ
IAAP103955	IAAP103956	691976	92478	06/05/07	2	4					0.32	0.32	UJ
IAAP103960	IAAP103960	692036.54	92387.64	06/05/07	0	0.5					0.33	0.33	U
IAAP103961	IAAP103961	692032.45	92380.16	06/05/07	0	0.5					0.34	0.34	U
IAAP103962	IAAP103962	692031.92	92387.59	05/31/07	0	0.5					0.32	0.32	U
IAAP103966	IAAP103966	692011.9	92389.25	05/31/07	0	0.5					0.31	0.31	U
IAAP103985	IAAP103985	691740.96	92254.55	06/05/07	0	0.5					0.32	0.32	UJ

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	2,4,6-TNT		
											Result	DL	VQ
IAAP103986	IAAP103986	691694.87	92264.54	06/05/07	0	0.5					0.32	0.32	UJ
IAAP100042	IAAP103994	691968.62	92956.24	06/05/07	2	3					0.29	0.29	U
IAAP100041	IAAP103995	691961.46	92932.89	06/05/07	1	2					0.30	0.3	U
IAAP100035	IAAP103996	692005.58	92968.44	06/05/07	1	2					0.29	0.29	U
IAAP105943	IAAP105943	691813	92938	10/16/07	2	4					0.32	0.32	UJ
IAAP105943	IAAP105944	691813	92938	10/16/07	4	6					0.32	0.32	UJ
IAAP105960	IAAP105960	691945.85	92684.41	10/16/07	2	4					0.31	0.31	U
IAAP105962	IAAP105962	691936.3	92683.35	10/16/07	2	4					0.28	0.28	U
IAAP105964	IAAP105964	692019.34	92419.21	10/16/07	1	2					0.30	0.3	U
IAAP96927	IAAP111632	691998.35	92979.48	09/23/08	0	0.5					0.33	0.33	U
IAAP111640	IAAP111640	691877.22	93004.64	09/24/08	0	0.5					0.26	0.26	U
IAAP111641	IAAP111641	691884.21	92997.58	09/24/08	0	0.5					0.28	0.28	U
IAAP111642	IAAP111642	691886.13	92986.85	09/24/08	0	0.5					0.31	0.27	=
IAAP103924	IAAP111643	691875.87	92999.03	09/24/08	1	2					0.31	0.31	U
IAAP111646	IAAP111646	691813.97	92960.93	09/24/08	0	2					0.31	0.31	U
IAAP111646	IAAP111647	691813.97	92960.93	09/24/08	2	4					0.33	0.33	U
IAAP111646	IAAP111648	691813.97	92960.93	09/24/08	4	6					0.32	0.32	U
IAAP100084	IAAP111649	691817.45	92952.64	09/24/08	0.5	2					0.32	0.32	U
IAAP100084	IAAP111650	691817.45	92952.64	09/24/08	2	4					0.32	0.32	U
IAAP100084	IAAP111651	691817.45	92952.64	09/24/08	4	6					0.32	0.32	U
IAAP111652	IAAP111652	691848.62	92980.16	09/24/08	0	1					0.30	0.3	U
IAAP111652	IAAP111653	691848.62	92980.16	09/24/08	1	2					0.31	0.31	U
IAAP111655	IAAP111655	691895.09	92825.42	09/25/08	0	0.5					0.32	0.32	U
IAAP111663	IAAP111663	691685.3	92748	09/23/08	0	0.5					0.35	0.35	U
IAAP111666	IAAP111666	691678.31	92547.43	09/23/08	0	1					0.33	0.33	U
IAAP111666	IAAP111667	691678.31	92547.43	09/23/08	1	2					0.33	0.33	U
IAAP111666	IAAP111668	691678.31	92547.43	09/23/08	2	4					0.32	0.32	U
IAAP111670	IAAP111670	691927.99	92676.85	09/23/08	0	2					0.31	0.31	U
IAAP111670	IAAP111671	691927.99	92676.85	09/23/08	2	4					0.29	0.29	U
IAAP111672	IAAP111672	691939.08	92675.99	09/23/08	0	2					0.31	0.31	U
IAAP111672	IAAP111673	691939.08	92675.99	09/23/08	2	4					0.31	0.31	U
IAAP111679	IAAP111679	692014	92397	09/23/08	0	1					0.34	0.34	U
IAAP111679	IAAP111680	692014	92397	09/23/08	1	2					0.33	0.33	U
IAAP111681	IAAP111681	692018.19	92383.4	09/23/08	0	1					0.33	0.33	U
IAAP111681	IAAP111682	692018.19	92383.4	09/23/08	1	2					0.33	0.33	U
IAAP111721	IAAP111721	691752.34	92256.02	09/22/08	0	0.5					0.30	0.3	U
IAAP111722	IAAP111722	691750.74	92261.62	09/22/08	0	0.5					0.30	0.3	U
IAAP130287	IAAP130287	691817.89	92964.9	09/07/10	9.9	10.4					0.25	0.25	U
IAAP130287	IAAP130288	691817.89	92964.9	09/07/10	11	12					0.25	0.25	U
IAAP130287	IAAP130289	691817.89	92964.9	09/07/10	12	13					0.25	0.25	U
IAAP97020	IAAP130333	691695	92744	09/09/10	1	2					0.25	0.25	U

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	2,4,6-TNT		
											Result	DL	VQ
IAAP97020	IAAP130334	691695	92744	09/09/10	2	3					0.25	0.25	U
IAAP97020	IAAP130335	691695	92744	09/09/10	3	4					0.25	0.25	U
IAAP97020	IAAP130336	691695	92744	09/09/10	4	5					0.25	0.25	U
IAAP97020	IAAP130337	691695	92744	09/09/10	5	6					0.25	0.25	U
IAAP97020	IAAP130338	691695	92744	09/09/10	6	7					0.25	0.25	U
IAAP97020	IAAP130339	691695	92744	09/09/10	7	8					0.25	0.25	U
IAAP97020	IAAP130340	691695	92744	09/09/10	8	9					0.25	0.25	U
IAAP130342	IAAP130342	691691	92737	09/09/10	0	1					0.25	0.25	U
IAAP130342	IAAP130343	691691	92737	09/09/10	1	2					0.25	0.25	U
IAAP130342	IAAP130344	691691	92737	09/09/10	2	3					0.25	0.25	U
IAAP130342	IAAP130345	691691	92737	09/09/10	3	4					0.25	0.25	U
IAAP130342	IAAP130346	691691	92737	09/09/10	4	5					0.25	0.25	U
IAAP130342	IAAP130347	691691	92737	09/09/10	5	6					0.25	0.25	U
IAAP130342	IAAP130348	691691	92737	09/09/10	6	7					0.25	0.25	U
IAAP130342	IAAP130349	691691	92737	09/09/10	7	8					0.25	0.25	U
IAAP130342	IAAP130350	691691	92737	09/09/10	8	9					0.25	0.25	U
IAAP130342	IAAP130351	691691	92737	09/09/10	9	10					0.25	0.25	U
IAAP97029	IAAP130367	691930	92683	09/08/10	1	2					0.25	0.25	U
IAAP97029	IAAP130368	691930	92683	09/08/10	2	3					0.25	0.25	U
IAAP97029	IAAP130369	691930	92683	09/08/10	3	4					0.25	0.25	U
IAAP97029	IAAP130370	691930	92683	09/08/10	4	5					0.25	0.25	U
IAAP97029	IAAP130371	691930	92683	09/08/10	5	6					0.25	0.25	U
IAAP97029	IAAP130372	691930	92683	09/08/10	6	7					0.25	0.25	U
IAAP97029	IAAP130373	691930	92683	09/08/10	7	8					0.25	0.25	U
IAAP111670	IAAP130374	691927.99	92676.85	09/14/10	4	5					0.25	0.25	U
IAAP111670	IAAP130375	691927.99	92676.85	09/14/10	5	6					0.25	0.25	U
IAAP111670	IAAP130376	691927.99	92676.85	09/14/10	6	7					0.25	0.25	U
IAAP111670	IAAP130377	691927.99	92676.85	09/14/10	7	8					0.25	0.25	U
IAAP105964	IAAP130414	692019.34	92419.21	09/09/10	0	1					0.25	0.25	U
IAAP105964	IAAP130415	692019.34	92419.21	09/09/10	2	3					0.25	0.25	U
IAAP105964	IAAP130416	692019.34	92419.21	09/09/10	3	4					0.25	0.25	U
IAAP105964	IAAP130417	692019.34	92419.21	09/09/10	4	5					0.25	0.25	U
IAAP105964	IAAP130418	692019.34	92419.21	09/09/10	5	6					0.25	0.25	U
IAAP105964	IAAP130419	692019.34	92419.21	09/09/10	6	7					0.25	0.25	U
IAAP105964	IAAP130420	692019.34	92419.21	09/09/10	7	8					0.25	0.25	U
IAAP105964	IAAP130421	692019.34	92419.21	09/09/10	8	9					0.25	0.25	U
IAAP130422	IAAP130430	692016.33	92408.51	09/13/10	8	9							
IAAP99934	IAAP130431	692030.09	92396.58	09/08/10	2	3					0.25	0.25	U
IAAP99934	IAAP130432	692030.09	92396.58	09/08/10	3	4					0.25	0.25	U
IAAP99934	IAAP130433	692030.09	92396.58	09/08/10	4	5					0.25	0.25	U
IAAP99934	IAAP130434	692030.09	92396.58	09/08/10	5	6					0.25	0.25	U

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	2,4,6-TNT		
											Result	DL	VQ
IAAP99934	IAAP130435	692030.09	92396.58	09/08/10	6	7					0.25	0.25	U
IAAP130436	IAAP130436	692033.78	92397.78	09/08/10	0	1					0.25	0.25	U
IAAP130436	IAAP130437	692033.78	92397.78	09/08/10	1	2					0.25	0.25	U
IAAP130436	IAAP130438	692033.78	92397.78	09/08/10	2	3					0.25	0.25	U
IAAP130436	IAAP130439	692033.78	92397.78	09/08/10	3	4					0.25	0.25	U
IAAP130436	IAAP130440	692033.78	92397.78	09/08/10	4	5					0.25	0.25	U
IAAP130436	IAAP130441	692033.78	92397.78	09/08/10	5	6					0.25	0.25	U
IAAP130436	IAAP130442	692033.78	92397.78	09/08/10	6	7					0.25	0.25	U
IAAP130461	IAAP130461	692011.4	92416.21	09/13/10	0	1					0.25	0.25	U
IAAP130461	IAAP130462	692011.4	92416.21	09/13/10	1	2					0.25	0.25	U
IAAP130461	IAAP130463	692011.4	92416.21	09/13/10	2	3					0.25	0.25	U
IAAP130461	IAAP130464	692011.4	92416.21	09/13/10	3	4					0.25	0.25	U
IAAP130461	IAAP130465	692011.4	92416.21	09/13/10	4	5					0.25	0.25	U
IAAP130461	IAAP130466	692011.4	92416.21	09/13/10	5	6					0.25	0.25	U
IAAP130461	IAAP130467	692011.4	92416.21	09/13/10	6	7					0.25	0.25	U
IAAP130461	IAAP130468	692011.4	92416.21	09/13/10	7	8					0.25	0.25	U
IAAP130461	IAAP130469	692011.4	92416.21	09/13/10	8	9					0.25	0.25	U
IAAP132548	IAAP132548	691985.39	92461.61	12/07/10	0	1					0.09	0.25	J
IAAP132548	IAAP132549	691985.39	92461.61	12/07/10	1	2					0.26	0.25	=
IAAP132548	IAAP132550	691985.39	92461.61	12/07/10	2	3					0.25	0.25	U
IAAP132548	IAAP132551	691985.39	92461.61	12/07/10	3	4					0.14	0.25	J
IAAP132548	IAAP132552	691985.39	92461.61	12/07/10	4	5					0.09	0.25	J
IAAP132548	IAAP132553	691985.39	92461.61	12/07/10	5	6					0.07	0.25	J
IAAP132554	IAAP132554	692017.39	92419.47	12/08/10	0	1					0.04	0.25	J
IAAP132554	IAAP132555	692017.39	92419.47	12/08/10	1	2					0.25	0.25	U
IAAP132554	IAAP132556	692017.39	92419.47	12/08/10	2	3					0.25	0.25	U
IAAP132554	IAAP132557	692017.39	92419.47	12/08/10	3	4					0.25	0.25	U
IAAP132554	IAAP132558	692017.39	92419.47	12/08/10	4	5					0.25	0.25	U
IAAP132554	IAAP132559	692017.39	92419.47	12/08/10	5	6					0.25	0.25	U
IAAP132560	IAAP132560	692009.98	92408.8	12/07/10	0	1					0.06	0.25	J
IAAP132560	IAAP132561	692009.98	92408.8	12/07/10	1	2					0.19	0.25	J
IAAP132560	IAAP132562	692009.98	92408.8	12/07/10	2	3					0.22	0.25	J
IAAP132560	IAAP132563	692009.98	92408.8	12/07/10	3	4					0.25	0.25	U
IAAP132560	IAAP132564	692009.98	92408.8	12/07/10	4	5					0.25	0.25	U
IAAP132560	IAAP132565	692009.98	92408.8	12/07/10	5	6					0.25	0.25	U
IAAP132566	IAAP132566	692020.12	92377.24	12/07/10	0	1					0.14	0.25	J
IAAP132566	IAAP132567	692020.12	92377.24	12/07/10	1	2					0.25	0.25	U
IAAP132566	IAAP132568	692020.12	92377.24	12/07/10	2	3					0.25	0.25	U
IAAP132566	IAAP132569	692020.12	92377.24	12/07/10	3	4					0.25	0.25	U
IAAP132566	IAAP132570	692020.12	92377.24	12/07/10	4	5					0.25	0.25	U
IAAP132566	IAAP132571	692020.12	92377.24	12/07/10	5	6					0.25	0.25	U

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	2,4,6-TNT		
											Result	DL	VQ
IAAP132584	IAAP132584	691993.3	92446.6	12/07/10	0	1					0.25	0.25	U
IAAP132584	IAAP132585	691993.3	92446.6	12/07/10	1	2					0.06	0.25	J
IAAP132584	IAAP132586	691993.3	92446.6	12/07/10	2	3					0.25	0.25	U
IAAP132584	IAAP132587	691993.3	92446.6	12/07/10	3	4					0.25	0.25	U
IAAP132584	IAAP132588	691993.3	92446.6	12/07/10	4	5					0.25	0.25	U
IAAP132584	IAAP132589	691993.3	92446.6	12/07/10	5	6					0.23	0.25	J
IAAP132590	IAAP132590	692004.8	92423.59	12/07/10	0	1					0.25	0.25	U
IAAP132590	IAAP132591	692004.8	92423.59	12/07/10	1	2					0.25	0.25	U
IAAP132590	IAAP132592	692004.8	92423.59	12/07/10	2	3					0.25	0.25	U
IAAP132590	IAAP132593	692004.8	92423.59	12/07/10	3	4					0.25	0.25	U
IAAP132590	IAAP132594	692004.8	92423.59	12/07/10	4	5					0.25	0.25	U
IAAP132590	IAAP132595	692004.8	92423.59	12/07/10	5	6					0.25	0.25	U
IAAP132602	IAAP132602	692021.1	92375.6	12/08/10	0	1					0.11	0.25	J
IAAP132602	IAAP132603	692021.1	92375.6	12/08/10	1	2					0.25	0.25	U
IAAP132602	IAAP132604	692021.1	92375.6	12/08/10	2	3					0.25	0.25	U
IAAP132602	IAAP132605	692021.1	92375.6	12/08/10	3	4					0.25	0.25	U
IAAP132602	IAAP132606	692021.1	92375.6	12/08/10	4	5					0.25	0.25	U
IAAP132602	IAAP132607	692021.1	92375.6	12/08/10	5	6					0.25	0.25	U
IAAP132608	IAAP132608	692034.8	92362.03	12/08/10	0	1					0.25	0.25	U
IAAP132608	IAAP132609	692034.8	92362.03	12/08/10	1	2					0.25	0.25	U
IAAP132608	IAAP132610	692034.8	92362.03	12/08/10	2	3					0.25	0.25	U
IAAP132608	IAAP132611	692034.8	92362.03	12/08/10	3	4					0.25	0.25	U
IAAP132608	IAAP132612	692034.8	92362.03	12/08/10	4	5					0.25	0.25	U
IAAP132608	IAAP132613	692034.8	92362.03	12/08/10	5	6					0.25	0.25	U
IAAP132560	IAAP132614	692009.98	92408.8	12/07/10	6.4	6.6					0.25	0.25	U
IAAP132590	IAAP132616	692004.8	92423.59	12/07/10	8.5	8.6					0.25	0.25	U
IAAP132602	IAAP132618	692021.1	92375.6	12/08/10	9.5	10					0.25	0.25	U
IAAP133133	IAAP133133	691985.5	92460.74	12/08/10	0	1					0.25	0.25	U
IAAP133133	IAAP133134	691985.5	92460.74	12/08/10	1	2					0.50	0.25	=
IAAP133133	IAAP133135	691985.5	92460.74	12/08/10	2	3					0.25	0.25	U
IAAP135624	IAAP135624	691980.88	92492.22	04/12/11	0	1					0.25	0.25	U
IAAP135624	IAAP135625	691980.88	92492.22	04/12/11	1	2					0.25	0.25	U
IAAP135624	IAAP135626	691980.88	92492.22	04/12/11	2	3					0.25	0.25	U
IAAP135624	IAAP135627	691980.88	92492.22	04/12/11	3	4					0.25	0.25	U
IAAP135624	IAAP135628	691980.88	92492.22	04/12/11	4	5					0.25	0.25	U
IAAP135624	IAAP135629	691980.88	92492.22	04/12/11	5	6					0.25	0.25	U
IAAP135630	IAAP135630	691983.2	92499.09	04/12/11	0	1					0.25	0.25	U
IAAP135630	IAAP135631	691983.2	92499.09	04/12/11	1	2					0.25	0.25	U
IAAP135630	IAAP135632	691983.2	92499.09	04/12/11	2	3					0.25	0.25	U
IAAP135630	IAAP135633	691983.2	92499.09	04/12/11	3	4					0.25	0.25	U
IAAP135630	IAAP135634	691983.2	92499.09	04/12/11	4	5					0.25	0.25	U

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	2,4,6-TNT		
											Result	DL	VQ
IAAP135630	IAAP135635	691983.2	92499.09	04/12/11	5	6					0.25	0.25	U
IAAP135642	IAAP135642	691979	92523.18	04/12/11	0	1					0.25	0.25	U
IAAP135642	IAAP135643	691979	92523.18	04/12/11	1	2					0.25	0.25	U
IAAP135642	IAAP135644	691979	92523.18	04/12/11	2	3					0.25	0.25	U
IAAP135642	IAAP135645	691979	92523.18	04/12/11	3	4					0.25	0.25	U
IAAP135642	IAAP135646	691979	92523.18	04/12/11	4	5					0.25	0.25	U
IAAP135642	IAAP135647	691979	92523.18	04/12/11	5	6					0.25	0.25	U
IAAP135648	IAAP135648	691977.06	92526.48	04/12/11	0	1					0.25	0.25	U
IAAP135648	IAAP135649	691977.06	92526.48	04/12/11	1	2					0.25	0.25	U
IAAP135648	IAAP135650	691977.06	92526.48	04/12/11	2	3					0.25	0.25	U
IAAP135648	IAAP135651	691977.06	92526.48	04/12/11	3	4					0.25	0.25	U
IAAP135648	IAAP135652	691977.06	92526.48	04/12/11	4	5					0.25	0.25	U
IAAP135648	IAAP135653	691977.06	92526.48	04/12/11	5	6					0.25	0.25	U
IAAP135672	IAAP135672	691966.97	92559.46	04/13/11	0	1					0.25	0.25	U
IAAP135672	IAAP135673	691966.97	92559.46	04/13/11	1	2					0.25	0.25	U
IAAP135672	IAAP135674	691966.97	92559.46	04/13/11	2	3					0.25	0.25	U
IAAP135672	IAAP135675	691966.97	92559.46	04/13/11	3	4					0.25	0.25	U
IAAP135672	IAAP135676	691966.97	92559.46	04/13/11	4	5					0.25	0.25	U
IAAP135672	IAAP135677	691966.97	92559.46	04/13/11	5	6					0.25	0.25	U
IAAP135678	IAAP135678	691962.25	92572.14	04/13/11	0	1					0.38	0.25	=
IAAP135678	IAAP135679	691962.25	92572.14	04/13/11	1	2					0.25	0.25	U
IAAP135678	IAAP135680	691962.25	92572.14	04/13/11	2	3					0.25	0.25	U
IAAP135678	IAAP135681	691962.25	92572.14	04/13/11	3	4					0.25	0.25	U
IAAP135678	IAAP135682	691962.25	92572.14	04/13/11	4	5					0.25	0.25	U
IAAP135678	IAAP135683	691962.25	92572.14	04/13/11	5	6					0.25	0.25	U
IAAP135684	IAAP135684	691961.6	92575.74	04/13/11	0	1					0.25	0.25	U
IAAP135684	IAAP135685	691961.6	92575.74	04/13/11	1	2					0.25	0.25	U
IAAP135684	IAAP135686	691961.6	92575.74	04/13/11	2	3					0.25	0.25	U
IAAP135684	IAAP135687	691961.6	92575.74	04/13/11	3	4					0.25	0.25	U
IAAP135684	IAAP135688	691961.6	92575.74	04/13/11	4	5					0.25	0.25	U
IAAP135684	IAAP135689	691961.6	92575.74	04/13/11	5	6					0.25	0.25	U
IAAP135690	IAAP135690	691957.18	92589.23	04/13/11	0	1					0.25	0.25	U
IAAP135690	IAAP135691	691957.18	92589.23	04/13/11	1	2					0.25	0.25	U
IAAP135690	IAAP135692	691957.18	92589.23	04/13/11	2	3					0.25	0.25	U
IAAP135690	IAAP135693	691957.18	92589.23	04/13/11	3	4					0.25	0.25	U
IAAP135690	IAAP135694	691957.18	92589.23	04/13/11	4	5					0.25	0.25	U
IAAP135690	IAAP135695	691957.18	92589.23	04/13/11	5	6					0.25	0.25	U
IAAP135696	IAAP135696	691953.6	92600.02	04/13/11	0	1					0.25	0.25	U
IAAP135696	IAAP135697	691953.6	92600.02	04/13/11	1	2					0.25	0.25	U
IAAP135696	IAAP135698	691953.6	92600.02	04/13/11	2	3					0.25	0.25	U
IAAP135696	IAAP135699	691953.6	92600.02	04/13/11	3	4					0.25	0.25	U

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	2,4,6-TNT		
											Result	DL	VQ
IAAP135696	IAAP135700	691953.6	92600.02	04/13/11	4	5					0.25	0.25	U
IAAP135696	IAAP135701	691953.6	92600.02	04/13/11	5	6					0.25	0.25	U
IAAP135702	IAAP135702	691943.2	92622.73	04/13/11	0	1					0.25	0.25	U
IAAP135702	IAAP135703	691943.2	92622.73	04/13/11	1	2					0.25	0.25	U
IAAP135702	IAAP135704	691943.2	92622.73	04/13/11	2	3					0.25	0.25	U
IAAP135702	IAAP135705	691943.2	92622.73	04/13/11	3	4					0.25	0.25	U
IAAP135702	IAAP135706	691943.2	92622.73	04/13/11	4	5					0.25	0.25	U
IAAP135702	IAAP135707	691943.2	92622.73	04/13/11	5	6					0.25	0.25	U
IAAP135708	IAAP135708	691942.51	92624.81	04/13/11	0	1					0.25	0.25	U
IAAP135708	IAAP135709	691942.51	92624.81	04/13/11	1	2					0.25	0.25	U
IAAP135708	IAAP135710	691942.51	92624.81	04/13/11	2	3					0.25	0.25	U
IAAP135708	IAAP135711	691942.51	92624.81	04/13/11	3	4					0.25	0.25	U
IAAP135708	IAAP135712	691942.51	92624.81	04/13/11	4	5					0.25	0.25	U
IAAP135708	IAAP135713	691942.51	92624.81	04/13/11	5	6					0.25	0.25	U
IAAP135714	IAAP135714	691941.17	92628.8	04/13/11	0	1					0.25	0.25	U
IAAP135714	IAAP135715	691941.17	92628.8	04/13/11	1	2					0.25	0.25	U
IAAP135714	IAAP135716	691941.17	92628.8	04/13/11	2	3					0.25	0.25	U
IAAP135714	IAAP135717	691941.17	92628.8	04/13/11	3	4					0.25	0.25	U
IAAP135714	IAAP135718	691941.17	92628.8	04/13/11	4	5					0.25	0.25	U
IAAP135714	IAAP135719	691941.17	92628.8	04/13/11	5	6					0.25	0.25	U
IAAP135720	IAAP135720	691939.44	92633.99	04/13/11	0	1					0.25	0.25	U
IAAP135720	IAAP135721	691939.44	92633.99	04/13/11	1	2					0.25	0.25	U
IAAP135720	IAAP135722	691939.44	92633.99	04/13/11	2	3					0.25	0.25	U
IAAP135720	IAAP135723	691939.44	92633.99	04/13/11	3	4					0.25	0.25	U
IAAP135720	IAAP135724	691939.44	92633.99	04/13/11	4	5					0.25	0.25	U
IAAP135720	IAAP135725	691939.44	92633.99	04/13/11	5	6					0.25	0.25	U
IAAP135726	IAAP135726	691938.97	92635.4	04/13/11	0	1					0.25	0.25	U
IAAP135726	IAAP135727	691938.97	92635.4	04/13/11	1	2					0.25	0.25	U
IAAP135726	IAAP135728	691938.97	92635.4	04/13/11	2	3					0.25	0.25	U
IAAP135726	IAAP135729	691938.97	92635.4	04/13/11	3	4					0.25	0.25	U
IAAP135726	IAAP135730	691938.97	92635.4	04/13/11	4	5					0.25	0.25	U
IAAP135726	IAAP135731	691938.97	92635.4	04/13/11	5	6					0.25	0.25	U
IAAP135732	IAAP135732	691935	92647.27	04/13/11	0	1					0.25	0.25	U
IAAP135732	IAAP135733	691935	92647.27	04/13/11	1	2					0.25	0.25	U
IAAP135732	IAAP135734	691935	92647.27	04/13/11	2	3					0.25	0.25	U
IAAP135732	IAAP135735	691935	92647.27	04/13/11	3	4					0.25	0.25	U
IAAP135732	IAAP135736	691935	92647.27	04/13/11	4	5					0.25	0.25	U
IAAP135732	IAAP135737	691935	92647.27	04/13/11	5	6					0.25	0.25	U
IAAP135738	IAAP135738	691931.22	92658.59	04/14/11	0	1					0.25	0.25	U
IAAP135738	IAAP135739	691931.22	92658.59	04/14/11	1	2					0.25	0.25	U
IAAP135738	IAAP135740	691931.22	92658.59	04/14/11	2	3					0.25	0.25	U

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	2,4,6-TNT		
											Result	DL	VQ
IAAP135738	IAAP135741	691931.22	92658.59	04/14/11	3	4					0.25	0.25	J
IAAP135738	IAAP135742	691931.22	92658.59	04/14/11	4	5					0.25	0.25	U
IAAP135738	IAAP135743	691931.22	92658.59	04/14/11	5	6					0.25	0.25	U
IAAP135744	IAAP135744	691926.8	92671.89	04/14/11	0	1					0.05	0.25	J
IAAP135744	IAAP135745	691926.8	92671.89	04/14/11	1	2					0.25	0.25	U
IAAP135744	IAAP135746	691926.8	92671.89	04/14/11	2	3					0.25	0.25	U
IAAP135744	IAAP135747	691926.8	92671.89	04/14/11	3	4					0.25	0.25	U
IAAP135744	IAAP135748	691926.8	92671.89	04/14/11	4	5					0.25	0.25	U
IAAP135744	IAAP135749	691926.8	92671.89	04/14/11	5	6					0.25	0.25	U
IAAP135750	IAAP135750	691925.92	92674.48	04/14/11	0	1					0.42	0.25	=
IAAP135750	IAAP135751	691925.92	92674.48	04/14/11	1	2					0.25	0.25	U
IAAP135750	IAAP135752	691925.92	92674.48	04/14/11	2	3					0.25	0.25	U
IAAP135750	IAAP135753	691925.92	92674.48	04/14/11	3	4					0.25	0.25	U
IAAP135750	IAAP135754	691925.92	92674.48	04/14/11	4	5					0.25	0.25	U
IAAP135750	IAAP135755	691925.92	92674.48	04/14/11	5	6					0.25	0.25	U
IAAP135756	IAAP135756	691923.6	92681.41	04/14/11	0	1					0.25	0.25	U
IAAP135756	IAAP135757	691923.6	92681.41	04/14/11	1	2					0.25	0.25	U
IAAP135756	IAAP135758	691923.6	92681.41	04/14/11	2	3					0.25	0.25	U
IAAP135756	IAAP135759	691923.6	92681.41	04/14/11	3	4					0.25	0.25	U
IAAP135756	IAAP135760	691923.6	92681.41	04/14/11	4	5					0.25	0.25	U
IAAP135756	IAAP135761	691923.6	92681.41	04/14/11	5	6					0.25	0.25	U
IAAP135762	IAAP135762	691918.6	92696.36	04/14/11	0	1					0.25	0.25	U
IAAP135762	IAAP135763	691918.6	92696.36	04/14/11	1	2					0.25	0.25	U
IAAP135762	IAAP135764	691918.6	92696.36	04/14/11	2	3					0.25	0.25	U
IAAP135762	IAAP135765	691918.6	92696.36	04/14/11	3	4					0.25	0.25	U
IAAP135762	IAAP135766	691918.6	92696.36	04/14/11	4	5					0.25	0.25	U
IAAP135762	IAAP135767	691918.6	92696.36	04/14/11	5	6					0.25	0.25	U
IAAP135768	IAAP135768	691912.95	92713.28	04/14/11	0	1					0.25	0.25	U
IAAP135768	IAAP135769	691912.95	92713.28	04/14/11	1	2					0.25	0.25	U
IAAP135768	IAAP135770	691912.95	92713.28	04/14/11	2	3					0.25	0.25	U
IAAP135768	IAAP135771	691912.95	92713.28	04/14/11	3	4					0.25	0.25	U
IAAP135768	IAAP135772	691912.95	92713.28	04/14/11	4	5					0.25	0.25	U
IAAP135768	IAAP135773	691912.95	92713.28	04/14/11	5	6					0.25	0.25	U
IAAP135774	IAAP135774	691910.4	92720.78	04/14/11	0	1					0.25	0.25	U
IAAP135774	IAAP135775	691910.4	92720.78	04/14/11	1	2					0.19	0.25	J
IAAP135774	IAAP135776	691910.4	92720.78	04/14/11	2	3					0.26	0.25	=
IAAP135774	IAAP135777	691910.4	92720.78	04/14/11	3	4					0.25	0.25	U
IAAP135774	IAAP135778	691910.4	92720.78	04/14/11	4	5					0.25	0.25	U
IAAP135774	IAAP135779	691910.4	92720.78	04/14/11	5	6					0.25	0.25	U
IAAP135780	IAAP135780	691914.76	92728.82	04/14/11	0	1					0.09	0.25	J
IAAP135780	IAAP135781	691914.76	92728.82	04/14/11	1	2					0.25	0.25	U

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	2,4,6-TNT		
											Result	DL	VQ
IAAP135780	IAAP135782	691914.76	92728.82	04/14/11	2	3					0.25	0.25	U
IAAP135780	IAAP135783	691914.76	92728.82	04/14/11	3	4					0.25	0.25	U
IAAP135780	IAAP135784	691914.76	92728.82	04/14/11	4	5					0.25	0.25	U
IAAP135780	IAAP135785	691914.76	92728.82	04/14/11	5	6					0.25	0.25	U
IAAP135786	IAAP135786	691924.4	92732.09	04/14/11	0	1					0.25	0.25	U
IAAP135786	IAAP135787	691924.4	92732.09	04/14/11	1	2					0.25	0.25	U
IAAP135786	IAAP135788	691924.4	92732.09	04/14/11	2	3					0.25	0.25	U
IAAP135786	IAAP135789	691924.4	92732.09	04/14/11	3	4					0.25	0.25	U
IAAP135786	IAAP135790	691924.4	92732.09	04/14/11	4	5					0.25	0.25	U
IAAP135630	IAAP135798	691983.2	92499.09	04/12/11	3.5	4					0.25	0.25	U
IAAP135774	IAAP135801	691910.4	92720.78	04/14/11	8.5	8.9					0.25	0.25	U
IAAP136603	IAAP136603	691990.48	93027.37	05/04/11	0	1					0.25	0.25	U
IAAP136603	IAAP136604	691990.48	93027.37	05/04/11	1	2					0.25	0.25	U
IAAP136603	IAAP136607	691990.48	93027.37	05/04/11	4	5					0.25	0.25	U
IAAP136603	IAAP136608	691990.48	93027.37	05/04/11	5	6					0.25	0.25	U
IAAP136615	IAAP136615	692002.23	92440.11	05/04/11	0	1					0.25	0.25	U
IAAP136615	IAAP136616	692002.23	92440.11	05/04/11	1	2					0.25	0.25	U
IAAP136615	IAAP136617	692002.23	92440.11	05/04/11	2	3					0.25	0.25	U
IAAP136615	IAAP136618	692002.23	92440.11	05/04/11	3	4					0.25	0.25	U
IAAP136615	IAAP136619	692002.23	92440.11	05/04/11	4	5					0.25	0.25	U
IAAP136615	IAAP136620	692002.23	92440.11	05/04/11	5	6					0.25	0.25	U
IAAP136621	IAAP136621	692000.16	92433.35	05/03/11	0	1					0.25	0.25	U
IAAP136621	IAAP136622	692000.16	92433.35	05/03/11	1	2					0.25	0.25	U
IAAP136621	IAAP136623	692000.16	92433.35	05/03/11	2	3					0.25	0.25	U
IAAP136621	IAAP136626	692000.16	92433.35	05/03/11	5	6					0.25	0.25	U
IAAP136627	IAAP136627	691984.57	92430.72	05/04/11	0	1					0.25	0.25	U
IAAP136627	IAAP136628	691984.57	92430.72	05/04/11	1	2					0.25	0.25	U
IAAP136627	IAAP136629	691984.57	92430.72	05/04/11	2	3					0.25	0.25	U
IAAP136627	IAAP136630	691984.57	92430.72	05/04/11	3	4					0.25	0.25	U
IAAP136627	IAAP136631	691984.57	92430.72	05/04/11	4	5					0.25	0.25	U
IAAP136627	IAAP136632	691984.57	92430.72	05/04/11	5	6					0.25	0.25	U
IAAP136633	IAAP136633	692028.24	92370.53	05/04/11	0	1					0.58	0.25	=
IAAP136633	IAAP136634	692028.24	92370.53	05/04/11	1	2					0.25	0.25	U
IAAP136633	IAAP136635	692028.24	92370.53	05/04/11	2	3					0.25	0.25	U
IAAP136633	IAAP136636	692028.24	92370.53	05/04/11	3	4					0.25	0.25	U
IAAP136633	IAAP136637	692028.24	92370.53	05/04/11	4	5					0.25	0.25	U
IAAP136633	IAAP136638	692028.24	92370.53	05/04/11	5	6					0.25	0.25	U
IAAP136639	IAAP136639	692028.32	92354.72	05/04/11	0	1					0.25	0.25	U
IAAP136639	IAAP136640	692028.32	92354.72	05/04/11	1	2					0.25	0.25	U
IAAP136639	IAAP136641	692028.32	92354.72	05/04/11	2	3					0.25	0.25	U
IAAP136639	IAAP136642	692028.32	92354.72	05/04/11	3	4					0.25	0.25	U

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	2,4,6-TNT		
											Result	DL	VQ
IAAP136639	IAAP136643	692028.32	92354.72	05/04/11	4	5					0.25	0.25	U
IAAP136639	IAAP136644	692028.32	92354.72	05/04/11	5	6					0.25	0.25	U
IAAP136654	IAAP136654	691990.21	92473.36	05/02/11	5	6					0.25	0.25	U
IAAP136656	IAAP136656	691972.56	92463.97	05/03/11	5	6					0.25	0.25	U
IAAP136658	IAAP136658	692002.51	92428.93	05/04/11	0	1					0.25	0.25	U
IAAP136663	IAAP136663	692014.03	92365.71	05/03/11	5	6					0.25	0.25	U
IAAP136664	IAAP136664	692018.77	92367.32	05/04/11	0	1					0.25	0.25	U
IAAP136664	IAAP136665	692018.77	92367.32	05/04/11	1	2					0.25	0.25	U
IAAP136664	IAAP136666	692018.77	92367.32	05/04/11	2	3					0.25	0.25	U
IAAP136664	IAAP136667	692018.77	92367.32	05/04/11	3	4					0.25	0.25	U
IAAP136664	IAAP136668	692018.77	92367.32	05/04/11	4	5					0.25	0.25	U
IAAP136664	IAAP136669	692018.77	92367.32	05/04/11	5	6					0.25	0.25	U
IAAP136670	IAAP136670	692034.54	92374.38	05/03/11	0	1					0.25	0.25	U
IAAP136670	IAAP136671	692034.54	92374.38	05/03/11	1	2					0.25	0.25	U
IAAP136670	IAAP136672	692034.54	92374.38	05/03/11	2	3					0.25	0.25	U
IAAP136670	IAAP136673	692034.54	92374.38	05/03/11	3	4					0.25	0.25	U
IAAP136670	IAAP136674	692034.54	92374.38	05/03/11	4	5					0.25	0.25	U
IAAP136670	IAAP136675	692034.54	92374.38	05/03/11	5	6					0.25	0.25	U
IAAP136676	IAAP136676	691938	92733.88	05/16/11	0	1					0.25	0.25	U
IAAP136677	IAAP136677	691930.96	92723.63	05/16/11	0	1					0.25	0.25	U
IAAP136678	IAAP136678	691973.09	92556.21	05/18/11	5	6					0.25	0.25	U
IAAP136679	IAAP136679	691958.86	92551.46	05/17/11	0	1					0.25	0.25	U
IAAP136681	IAAP136681	691961.63	92544.56	05/17/11	2	3					0.25	0.25	U
IAAP136682	IAAP136682	691989.82	92522.98	05/17/11	0.5	1.5					0.25	0.25	U
IAAP136683	IAAP136683	691981.92	92515.07	05/18/11	0	1					0.25	0.25	U
IAAP136683	IAAP136684	691981.92	92515.07	05/18/11	4	5					0.25	0.25	U
IAAP136685	IAAP136685	691970.85	92516.65	05/17/11	0	1					0.25	0.25	U
IAAP136686	IAAP136686	691983.5	92510.33	05/17/11	0	1					0.25	0.25	U
IAAP136686	IAAP136687	691983.5	92510.33	05/17/11	1	2					0.25	0.25	U
IAAP136686	IAAP136688	691983.5	92510.33	05/17/11	2	3					0.25	0.25	U
IAAP136686	IAAP136689	691983.5	92510.33	05/17/11	3	4					0.25	0.25	U
IAAP136686	IAAP136690	691983.5	92510.33	05/17/11	4	5					0.25	0.25	U
IAAP136686	IAAP136691	691983.5	92510.33	05/17/11	5	6					0.25	0.25	U
IAAP136775	IAAP136775	691933.21	92732.44	05/18/11	0	1					0.25	0.25	U
IAAP136775	IAAP136776	691933.21	92732.44	05/18/11	1	2					0.25	0.25	U
IAAP136775	IAAP136777	691933.21	92732.44	05/18/11	2	3					0.25	0.25	U
IAAP136775	IAAP136778	691933.21	92732.44	05/18/11	3	4					0.25	0.25	U
IAAP136775	IAAP136779	691933.21	92732.44	05/18/11	4	5					0.25	0.25	U
IAAP136775	IAAP136780	691933.21	92732.44	05/18/11	5	6					0.25	0.25	U
IAAP136781	IAAP136781	691929.35	92728.37	05/18/11	0	1					0.25	0.25	U
IAAP136781	IAAP136782	691929.35	92728.37	05/18/11	1	2					0.25	0.25	U

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	2,4,6-TNT		
											Result	DL	VQ
IAAP136781	IAAP136783	691929.35	92728.37	05/18/11	2	3					0.25	0.25	U
IAAP136781	IAAP136784	691929.35	92728.37	05/18/11	3	4					0.25	0.25	U
IAAP136781	IAAP136785	691929.35	92728.37	05/18/11	4	5					0.25	0.25	U
IAAP136781	IAAP136786	691929.35	92728.37	05/18/11	5	6					0.25	0.25	U
IAAP136787	IAAP136787	691976.83	92560.81	05/17/11	0	1					0.25	0.25	U
IAAP136787	IAAP136788	691976.83	92560.81	05/17/11	1	2					0.25	0.25	U
IAAP136787	IAAP136789	691976.83	92560.81	05/17/11	2	3					0.25	0.25	U
IAAP136787	IAAP136790	691976.83	92560.81	05/17/11	3	4					0.25	0.25	U
IAAP136787	IAAP136791	691976.83	92560.81	05/17/11	4	5					0.25	0.25	U
IAAP136787	IAAP136792	691976.83	92560.81	05/17/11	5	6					0.25	0.25	U
IAAP136793	IAAP136793	691963.6	92553.05	05/18/11	0	1					0.25	0.25	U
IAAP136793	IAAP136794	691963.6	92553.05	05/18/11	1	2					0.25	0.25	U
IAAP136793	IAAP136795	691963.6	92553.05	05/18/11	2	3					0.25	0.25	U
IAAP136793	IAAP136796	691963.6	92553.05	05/18/11	3	4					0.25	0.25	U
IAAP136793	IAAP136797	691963.6	92553.05	05/18/11	4	5					0.25	0.25	U
IAAP136793	IAAP136798	691963.6	92553.05	05/18/11	5	6					0.25	0.25	U
IAAP136799	IAAP136799	691985.08	92553.02	05/17/11	0	1					0.25	0.25	U
IAAP136799	IAAP136800	691985.08	92553.02	05/17/11	1	2					0.25	0.25	U
IAAP136799	IAAP136801	691985.08	92553.02	05/17/11	2	3					0.25	0.25	U
IAAP136799	IAAP136802	691985.08	92553.02	05/17/11	3	4					0.25	0.25	U
IAAP136799	IAAP136803	691985.08	92553.02	05/17/11	4	5					0.25	0.25	U
IAAP136799	IAAP136804	691985.08	92553.02	05/17/11	5	6					0.25	0.25	U
IAAP136805	IAAP136805	691974.27	92538.23	05/17/11	0	1					0.25	0.25	U
IAAP136805	IAAP136806	691974.27	92538.23	05/17/11	1	2					0.25	0.25	U
IAAP136805	IAAP136807	691974.27	92538.23	05/17/11	2	3					0.25	0.25	U
IAAP136805	IAAP136808	691974.27	92538.23	05/17/11	3	4					0.55	0.25	J
IAAP136805	IAAP136809	691974.27	92538.23	05/17/11	4	5					0.13	0.25	J
IAAP136805	IAAP136810	691974.27	92538.23	05/17/11	5	6					0.25	0.25	U
IAAP136811	IAAP136811	691970.78	92548.09	05/17/11	0	1					0.25	0.25	U
IAAP136811	IAAP136812	691970.78	92548.09	05/17/11	1	2					0.25	0.25	U
IAAP136811	IAAP136813	691970.78	92548.09	05/17/11	2	3					0.25	0.25	U
IAAP136811	IAAP136814	691970.78	92548.09	05/17/11	3	4					0.25	0.25	U
IAAP136811	IAAP136815	691970.78	92548.09	05/17/11	4	5					0.25	0.25	U
IAAP136811	IAAP136816	691970.78	92548.09	05/17/11	5	6					0.25	0.25	U
IAAP136817	IAAP136817	691966.07	92544.14	05/17/11	0	1					0.25	0.25	U
IAAP136817	IAAP136818	691966.07	92544.14	05/17/11	1	2					0.25	0.25	U
IAAP136817	IAAP136819	691966.07	92544.14	05/17/11	2	3					0.25	0.25	U
IAAP136817	IAAP136820	691966.07	92544.14	05/17/11	3	4					0.25	0.25	U
IAAP136817	IAAP136821	691966.07	92544.14	05/17/11	4	5					0.25	0.25	U
IAAP136817	IAAP136822	691966.07	92544.14	05/17/11	5	6					0.25	0.25	U
IAAP136823	IAAP136823	691994.57	92524.56	05/18/11	1	2					0.25	0.25	U

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	2,4,6-TNT		
											Result	DL	VQ
IAAP136823	IAAP136824	691994.57	92524.56	05/18/11	2	3					0.25	0.25	U
IAAP136823	IAAP136825	691994.57	92524.56	05/18/11	3	4					0.25	0.25	U
IAAP136823	IAAP136826	691994.57	92524.56	05/18/11	4	5					0.25	0.25	U
IAAP136823	IAAP136827	691994.57	92524.56	05/18/11	5	6					0.25	0.25	U
IAAP136823	IAAP136828	691994.57	92524.56	05/18/11	6	7					0.25	0.25	U
IAAP137255	IAAP137255	691975.59	92518.24	05/18/11	0	1					0.25	0.25	U
IAAP137255	IAAP137256	691975.59	92518.24	05/18/11	1	2					0.25	0.25	U
IAAP137255	IAAP137257	691975.59	92518.24	05/18/11	2	3					0.25	0.25	U
IAAP137255	IAAP137258	691975.59	92518.24	05/18/11	3	4					0.25	0.25	U
IAAP137255	IAAP137259	691975.59	92518.24	05/18/11	4	5					0.25	0.25	U
IAAP137255	IAAP137260	691975.59	92518.24	05/18/11	5	6					0.25	0.25	U
IAAP96925	IAAP96925	692027	92844.46	10/26/06	0	0.5					0.35	0.35	U
IAAP96926	IAAP96926	692014.91	92844.8	10/26/06	0	0.5					0.35	0.35	U
IAAP96928	IAAP96928	691998.35	92979.48	10/26/06	0	0.5					0.35	0.35	U
IAAP96929	IAAP96929	691966.49	92969.51	10/26/06	0	0.5					0.34	0.34	U
IAAP96934	IAAP96934	COMPOSITE	COMPOSITE	11/15/06	0	0.5					0.29	0.29	UJ
IAAP96935	IAAP96935	691894.02	93328.08	11/15/06	0	0.5					0.28	0.28	UJ
IAAP96936	IAAP96936	COMPOSITE	COMPOSITE	11/15/06	0	0.5					0.34	0.34	UJ
IAAP96937	IAAP96937	COMPOSITE	COMPOSITE	11/13/06	0	0.5					0.28	0.28	UJ
IAAP96938	IAAP96938	691840.29	93270.4	11/13/06	0	0.5					0.33	0.33	UJ
IAAP96939	IAAP96939	691831.83	93298.23	11/13/06	0	0.5					0.27	0.27	UJ
IAAP96940	IAAP96940	691832.3	93342.32	11/13/06	0	0.5					0.28	0.28	UJ
IAAP96941	IAAP96941	691814.66	93317.23	11/13/06	0	0.5					0.32	0.32	UJ
IAAP96942	IAAP96942	691838.97	93244.84	11/13/06	0	0.5					0.31	0.31	UJ
IAAP96949	IAAP96949	692113.04	93092.9	11/15/06	0	0.5					0.31	0.31	UJ
IAAP96950	IAAP96950	COMPOSITE	COMPOSITE	11/15/06	0	0.5					0.32	0.32	UJ
IAAP96951	IAAP96951	COMPOSITE	COMPOSITE	11/15/06	0	0.5					0.31	0.31	UJ
IAAP96952	IAAP96952	692127.71	93042.61	11/15/06	0	0.5					0.26	0.26	UJ
IAAP96953	IAAP96953	692116.38	93011.84	11/15/06	0	0.5					0.30	0.3	UJ
IAAP96954	IAAP96954	692116.26	92981.47	11/15/06	0	0.5					0.28	0.28	UJ
IAAP96955	IAAP96955	692175.68	92981.55	11/15/06	0	0.5					0.32	0.32	UJ
IAAP96956	IAAP96956	COMPOSITE	COMPOSITE	11/15/06	0	0.5					0.31	0.31	UJ
IAAP96957	IAAP96957	692056.98	93146.93	11/15/06	0	0.5					0.34	0.34	UJ
IAAP96958	IAAP96958	692074.54	93130.61	11/15/06	0	0.5					0.35	0.35	UJ
IAAP96959	IAAP96959	COMPOSITE	COMPOSITE	11/14/06	0	0.5					0.30	0.3	UJ
IAAP96960	IAAP96960	692088.53	93112.41	11/15/06	0	0.5					0.32	0.32	UJ
IAAP96961	IAAP96961	COMPOSITE	COMPOSITE	11/13/06	0	0.5					0.31	0.31	UJ
IAAP96962	IAAP96962	COMPOSITE	COMPOSITE	11/13/06	0	0.5					0.31	0.31	UJ
IAAP96963	IAAP96963	COMPOSITE	COMPOSITE	11/13/06	0	0.5					0.29	0.29	UJ
IAAP96964	IAAP96964	691985.83	93063.1	11/13/06	0	0.5					0.31	0.31	UJ
IAAP96965	IAAP96965	691993.8	93029.94	11/13/06	0	0.5					0.26	0.26	UJ

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	2,4,6-TNT		
											Result	DL	VQ
IAAP96966	IAAP96966	691954.93	93007.81	11/13/06	0	0.5					0.32	0.32	UJ
IAAP96967	IAAP96967	691937	93039	11/13/06	0	0.5					0.26	0.26	UJ
IAAP96968	IAAP96968	691938.96	93067.14	11/13/06	0	0.5					0.26	0.26	UJ
IAAP96969	IAAP96969	691938.96	93067.14	11/13/06	1	2					0.31	0.31	UJ
IAAP96970	IAAP96970	691909.48	93056.65	11/13/06	0	0.5					0.33	0.33	UJ
IAAP96976	IAAP96976	COMPOSITE	COMPOSITE	11/14/06	0	0.5					0.33	0.33	UJ
IAAP96977	IAAP96977	COMPOSITE	COMPOSITE	11/14/06	0	0.5					0.10	0.37	J
IAAP96979	IAAP96979	691795.01	93119.57	11/14/06	0	0.5					0.32	0.32	UJ
IAAP96980	IAAP96980	691808.87	93106.84	11/14/06	0	0.5					0.27	0.27	UJ
IAAP96988	IAAP96988	691954.34	92114.71	11/14/06	0	0.5					0.27	0.27	UJ
IAAP96989	IAAP96989	691876.63	92299.46	11/14/06	0	0.5					0.31	0.31	UJ
IAAP96992	IAAP96992	COMPOSITE	COMPOSITE	11/14/06	0	0.5					0.28	0.28	UJ
IAAP96994	IAAP96994	691857.33	92413.74	11/14/06	0	0.5					0.28	0.28	UJ
IAAP96995	IAAP96995	691870.98	92410.67	11/14/06	0	0.5					0.30	0.3	UJ
IAAP96996	IAAP96996	COMPOSITE	COMPOSITE	11/14/06	0	0.5					0.32	0.32	UJ
IAAP96997	IAAP96997	691844.39	92407.27	11/14/06	0	0.5					0.28	0.28	UJ
IAAP96998	IAAP96998	691728	93303	11/14/06	0	0.5					0.27	0.27	UJ
IAAP97000	IAAP97000	691786.4	93115.72	11/14/06	0	0.5					0.33	0.33	UJ
IAAP97001	IAAP97001	691872	93010	12/18/06	0	0.5					0.28	0.28	UJ
IAAP97002	IAAP97002	691884	93003	12/18/06	0	0.5					0.27	0.27	UJ
IAAP97003	IAAP97003	691888	92995	12/18/06	0	0.5					0.17	0.31	J
IAAP97004	IAAP97004	691895	92793	12/19/06	0	0.5					0.09	0.33	J
IAAP97005	IAAP97005	691902	92791	12/19/06	0	0.5					0.18	0.31	=
IAAP97006	IAAP97006	691908	92794	12/19/06	0	0.5					0.31	0.31	U
IAAP97007	IAAP97007	691925	92795	12/19/06	0	0.5					0.32	0.32	U
IAAP97008	IAAP97008	691894	92818	12/19/06	0	0.5					0.32	0.32	U
IAAP97009	IAAP97009	691903	92823	12/19/06	0	0.5					0.31	0.31	U
IAAP97010	IAAP97010	691891	92892	12/19/06	0	0.5					0.31	0.31	U
IAAP97011	IAAP97011	691900	92879	12/19/06	0	0.5					0.32	0.32	U
IAAP97012	IAAP97012	691889	92913	12/19/06	0	0.5					0.33	0.33	U
IAAP97013	IAAP97013	691813	92905	12/18/06	0	0.5					0.28	0.28	UJ
IAAP97014	IAAP97014	691785	92886	12/18/06	0	0.5					0.19	0.38	J
IAAP97015	IAAP97015	691688	92824	12/18/06	0	0.5					0.26	0.26	UJ
IAAP97016	IAAP97016	691683	92887	12/18/06	0	0.5					11.00	0.33	J
IAAP97017	IAAP97017	691680	92894	12/18/06	0	0.5					0.30	0.3	UJ
IAAP97018	IAAP97018	691694	92881	12/18/06	0	0.5					8.70	0.35	J
IAAP97020	IAAP97020	691695	92744	12/18/06	0	0.5					0.33	0.33	UJ
IAAP97021	IAAP97021	691719	92718	12/18/06	0	0.5					0.34	0.34	UJ
IAAP97022	IAAP97022	691753	92650	12/18/06	0	0.5					0.18	0.32	J
IAAP97023	IAAP97023	691750	92660	12/18/06	0	0.5					0.35	0.35	UJ
IAAP97024	IAAP97024	691745	92709	12/18/06	0	0.5					0.33	0.33	UJ

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	2,4,6-TNT		
											Result	DL	VQ
IAAP97025	IAAP97025	691718	92783	12/18/06	0	0.5					0.33	0.33	UJ
IAAP97026	IAAP97026	691811	92938	12/18/06	0	0.5					3.20	0.34	J
IAAP97027	IAAP97027	691942	92676	12/19/06	0	0.5					0.33	0.33	U
IAAP97029	IAAP97029	691930	92683	12/19/06	0	0.5					0.33	0.33	U
IAAP97036	IAAP97036	692052.2	92417.45	12/19/06	0	0.5					0.27	0.27	U
IAAP97037	IAAP97037	692060	92421.6	12/19/06	0	0.5					0.28	0.28	U
IAAP97038	IAAP97038	692004	92424	12/19/06	0	0.5					0.34	0.34	U
IAAP97039	IAAP97039	692142.8	92156	12/19/06	0	0.5					1.00	0.31	=
IAAP97040	IAAP97040	692146	92149	12/19/06	0	0.5					0.33	0.33	U
IAAP97041	IAAP97041	692132.3	92131.1	12/19/06	0	0.5					0.28	0.28	U
IAAP97045	IAAP97045	692065	92323	12/19/06	0	0.5					0.30	0.3	U
IAAP97046	IAAP97046	692051	92339	12/19/06	0	0.5					0.33	0.33	U
IAAP97048	IAAP97048	692140.2	92094.9	12/19/06	0	0.5					0.29	0.29	U
IAAP97049	IAAP97049	691998	92245	12/19/06	0	0.5					0.07	0.33	J
IAAP98247	IAAP98247	691977	92312	12/19/06	0	0.5					0.35	0.35	U
IAAP98250	IAAP98250	691732	92354	12/20/06	0	0.5					0.37	0.37	U
IAAP98251	IAAP98251	691761	92310	12/20/06	0	0.5					0.32	0.32	U
IAAP98253	IAAP98253	691755	92246	12/20/06	0	0.5					0.32	0.32	U
IAAP98254	IAAP98254	691702	92289	12/20/06	0	0.5					0.42	0.42	U
IAAP98260	IAAP98260	691719	92537	12/18/06	0	0.5					0.30	0.3	UJ
IAAP98261	IAAP98261	691626	92692	12/18/06	0	0.5					0.31	0.31	UJ
IAAP98262	IAAP98262	691633	92751	12/18/06	0	0.5					0.34	0.34	UJ
IAAP98263	IAAP98263	691582	92869	12/18/06	0	0.5					0.95	0.95	UJ
IAAP98264	IAAP98264	691518	93097	12/18/06	0	0.5					0.41	0.41	UJ
IAAP98266	IAAP98266	691878	92578	12/18/06	0	0.5					0.32	0.32	UJ
IAAP98273	IAAP98273	692131	92072.7	12/19/06	0	0.5					0.32	0.32	U
IAAP99934	IAAP99934	692030.09	92396.58	04/16/07	0	1					0.31	0.31	U
IAAP99934	IAAP99935	692030.09	92396.58	04/16/07	1	2					0.32	0.32	U
IAAP99936	IAAP99936	692027.39	92394.07	04/16/07	0	1					0.33	0.33	U
IAAP99936	IAAP99937	692027.39	92394.07	04/16/07	1	2					0.32	0.32	U
IAAP99938	IAAP99938	691747.48	92260.65	04/15/07	0	0.5					0.30	0.3	U
IAAP99939	IAAP99939	691743.59	92262.02	04/15/07	0	0.5					0.32	0.32	U
IAAP99940	IAAP99940	691708.65	92265.87	04/15/07	0	0.5					0.35	0.35	U
IAAP99941	IAAP99941	691700.52	92270.71	04/15/07	0	0.5					0.66	0.66	U
IAAP99942	IAAP99942	692058.69	92404.33	04/16/07	0	0.5					0.27	0.27	U
IAAP99959	IAAP99959	692014.14	92937.77	06/05/07	3	4					0.29	0.29	U
IAAP99960	IAAP99960	692001.22	92882.79	06/05/07	2	2.5					0.27	0.27	U
IAAP100071	IAAP99962	691694.48	92747.08	06/05/07	2	3					0.31	0.31	UJ
100101	L1101001	691685	93330		0.0	1.0							
100101	L1101002	691685	93330		1.0	2.0					0.250	0.25	U
100101	L1101003	691685	93330		2.0	4.0					0.250	0.25	U

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	2,4,6-TNT		
											Result	DL	VQ
100101	L1101004	691685	93330		4.0	6.0					0.250	0.25	U
100102	L1101005	691685	93369		0.0	1.0							
100102	L1101006	691685	93369		1.0	2.0					0.250	0.25	U
100102	L1101007	691685	93369		2.0	4.0					0.250	0.25	U
100102	L1101008	691685	93369		4.0	6.0					0.250	0.25	U
100103	L1101009	691723	93308		0.0	1.0							
100103	L1101010	691723	93308		1.0	2.0					0.250	0.25	U
100103	L1101011	691723	93308		2.0	4.0					0.250	0.25	U
100103	L1101012	691723	93308		4.0	6.0					0.250	0.25	U
100201	L1102001	691824	93116		1.0	2.0							
100201	L1102002	691824	93116		2.0	4.0							
100202	L1102003	691834	93110		1.0	2.0							
100202	L1102004	691834	93110		2.0	4.0							
100203	L1102005	691839	93129		1.0	2.0							
100203	L1102006	691839	93129		2.0	4.0							
100204	L1102007	691851	93109		1.0	2.0							
100204	L1102008	691851	93109		2.0	4.0							
100205	L1102009	691838	93090		1.0	2.0							
100205	L1102010	691838	93090		2.0	4.0							
100205	L1102011	691838	93090		2.0	4.0							
100206	L1102012	691842	93123		1.0	2.0							
100206	L1102013	691842	93123		2.0	4.0							
100302	L1103005	691754	93117		0.0	1.0							
100302	L1103006	691754	93117		1.0	2.0					0.250	0.25	U
100302	L1103007	691754	93117		2.0	4.0					0.250	0.25	U
100302	L1103008	691754	93117		4.0	6.0					0.250	0.25	U
100303	L1103009	691803	93111		0.0	1.0							
100303	L1103010	691803	93111		1.0	2.0					0.250	0.25	U
100303	L1103011	691803	93111		2.0	4.0					0.250	0.25	U
100303	L1103012	691803	93111		4.0	6.0					0.250	0.25	U
100304	L1103013	691776	93096		0.0	1.0							
100304	L1103014	691776	93096		1.0	2.0					0.250	0.25	U
100304	L1103015	691776	93096		2.0	4.0					0.250	0.25	U
100304	L1103016	691776	93096		2.0	4.0					0.250	0.25	U
100304	L1103017	691776	93096		4.0	6.0					0.250	0.25	U
100305	L1103018	692112	92187		0.0	1.0							
100305	L1103019	692112	92187		1.0	2.0					0.250	0.25	U
100305	L1103020	692112	92187		2.0	4.0					0.250	0.25	U
100305	L1103021	692112	92187		4.0	6.0					0.250	0.25	U
100401	L1104001	691772	93135		0.0	1.0							
100401	L1104002	691772	93135		1.0	2.0					0.250	0.25	U

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	2,4,6-TNT		
											Result	DL	VQ
100401	L1104003	691772	93135		2.0	4.0					0.250	0.25	U
100401	L1104004	691772	93135		4.0	6.0					0.250	0.25	U
100402	L1104005	691742	93216		0.0	1.0							
100402	L1104006	691742	93216		1.0	2.0					0.250	0.25	U
100402	L1104007	691742	93216		2.0	4.0					0.250	0.25	U
100402	L1104008	691742	93216		4.0	6.0					0.250	0.25	U
100403	L1104009	691792	93152		0.0	1.0							
100403	L1104010	691792	93152		1.0	2.0					0.250	0.25	U
100403	L1104011	691792	93152		2.0	4.0					0.250	0.25	U
100403	L1104012	691792	93152		4.0	6.0					0.250	0.25	U
100404	L1104013	691796	93140		0.0	1.0							
100404	L1104014	691796	93140		1.0	2.0					0.250	0.25	U
100404	L1104015	691796	93140		2.0	4.0					0.250	0.25	U
100404	L1104016	691796	93140		4.0	6.0					0.250	0.25	U
100501	L1105001	691921	92838		0.0	1.0							
100501	L1105002	691921	92838		1.0	2.0					0.250	0.25	U
100501	L1105003	691921	92838		2.0	4.0					0.250	0.25	U
100501	L1105004	691921	92838		4.0	6.0					0.250	0.25	U
100502	L1105005	691921	92844		0.0	1.0							
100502	L1105006	691921	92844		1.0	2.0					0.250	0.25	U
100502	L1105007	691921	92844		1.0	2.0					0.250	0.25	U
100502	L1105008	691921	92844		2.0	4.0					0.240	0.24	U
100502	L1105009	691921	92844		4.0	6.0					0.250	0.25	U
100503	L1105010	691915	92797		0.0	1.0							
100503	L1105011	691915	92797		1.0	2.0					0.250	0.25	U
100503	L1105012	691915	92797		2.0	4.0					0.250	0.25	U
100503	L1105013	691915	92797		4.0	6.0					0.250	0.25	U
100504	L1105014	691932	92802		0.0	1.0							
100504	L1105015	691932	92802		1.0	2.0					0.250	0.25	U
100504	L1105016	691932	92802		2.0	4.0					0.250	0.25	U
100504	L1105017	691932	92802		4.0	6.0					0.250	0.25	U
100505	L1105018	691911	92799		0.0	1.0							
100505	L1105019	691911	92799		1.0	2.0					0.250	0.25	U
100505	L1105020	691911	92799		2.0	4.0					0.250	0.25	U
100505	L1105021	691911	92799		4.0	6.0					0.250	0.25	U
100506	L1105022	691896	92792		1.0	2.0					0.250	0.25	U
100506	L1105023	691896	92792		2.0	4.0					0.250	0.25	U
100506	L1105024	691896	92792		4.0	6.0					0.250	0.25	U
100509	L1105035	691899	92831		0.0	1.0							
100509	L1105036	691899	92831		1.0	2.0					0.240	0.24	U
100509	L1105037	691899	92831		2.0	4.0					0.250	0.25	U

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	2,4,6-TNT		
											Result	DL	VQ
100509	L1105038	691899	92831		4.0	6.0					0.250	0.25	U
100510	L1105055	691886	92945		0.0	1.0							
100510	L1105056	691886	92945		1.0	2.0					0.240	0.24	U
100510	L1105057	691886	92945		2.0	4.0					0.250	0.25	U
100510	L1105058	691886	92945		4.0	6.0					0.250	0.25	U
100511	L1105059	691877	92995		1.0	2.0					0.250	0.25	U
100511	L1105060	691877	92995		2.0	4.0					0.250	0.25	U
100511	L1105061	691877	92995		2.0	4.0					0.250	0.25	U
100511	L1105062	691877	92995		4.0	6.0					0.250	0.25	U
100512	L1105063	691842	92972		1.0	2.0					0.250	0.25	U
100512	L1105064	691842	92972		2.0	4.0					0.250	0.25	U
100512	L1105065	691842	92972		4.0	6.0					0.067	0.25	
100513	L1105066	691845	92995		1.0	2.0					0.250	0.25	U
100513	L1105067	691845	92995		2.0	4.0					0.250	0.25	U
100513	L1105068	691845	92995		2.0	4.0					0.250	0.25	U
100514	L1105069	691849	92986		1.0	2.0					0.250	0.25	U
100514	L1105070	691849	92986		2.0	4.0					0.250	0.25	U
100514	L1105071	691849	92986		4.0	5.0					0.250	0.25	U
100517	L1105079	691867	93001		0.0	1.0							
100517	L1105080	691867	93001		1.0	2.0					0.250	0.25	U
100517	L1105081	691867	93001		2.0	4.0					0.250	0.25	U
100517	L1105082	691867	93001		4.0	6.0					0.250	0.25	U
100519	L1105088	691864	92940		0.0	1.0							
100519	L1105089	691864	92940		1.0	2.0					0.250	0.25	U
100519	L1105090	691864	92940		2.0	4.0					0.250	0.25	U
100519	L1105091	691864	92940		4.0	6.0					0.250	0.25	U
100521	L1105096	691911	92849		0.0	1.0							
100521	L1105097	691911	92849		1.0	2.0					0.250	0.25	U
100521	L1105098	691911	92849		2.0	4.0					0.250	0.25	U
100521	L1105099	691911	92849		4.0	6.0					0.240	0.24	U
100601	L1106001	691750	92646		0.0	1.0							
100601	L1106002	691750	92646		1.0	2.0					0.250	0.25	U
100601	L1106003	691750	92646		2.0	4.0					0.250	0.25	U
100601	L1106004	691750	92646		2.0	4.0					0.250	0.25	U
100601	L1106005	691750	92646		4.0	6.0					0.250	0.25	U
100602	L1106006	691739	92639		0.0	1.0							
100602	L1106007	691739	92639		1.0	2.0					2.200	0.25	
100602	L1106008	691739	92639		2.0	4.0					0.250	0.25	U
100602	L1106009	691739	92639		4.0	6.0					0.250	0.25	U
100603	L1106010	691621	93000		0.0	1.0							
100603	L1106011	691621	93000		1.0	2.0					0.240	0.24	U

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	2,4,6-TNT		
											Result	DL	VQ
100603	L1106012	691621	93000		2.0	4.0					0.250	0.25	U
100603	L1106013	691621	93000		4.0	6.0					0.250	0.25	U
100604	L1106014	691632	93007		0.0	1.0							
100604	L1106015	691632	93007		1.0	2.0					0.230	0.25	
100604	L1106016	691632	93007		2.0	4.0					0.250	0.25	U
100604	L1106017	691632	93007		4.0	6.0					0.170	0.25	
100701	L1107001	692002	92830		0.0	1.0							
100701	L1107002	692002	92830		1.0	2.0					0.250	0.25	U
100701	L1107003	692002	92830		2.0	4.0					0.250	0.25	U
100702	L1107005	692023	92845		0.0	1.0							
100702	L1107006	692023	92845		1.0	2.0					0.250	0.25	U
100702	L1107007	692023	92845		2.0	4.0					0.250	0.25	U
100702	L1107008	692023	92845		4.0	6.0					0.250	0.25	U
100703	L1107009	692034	92800		0.0	1.0							
100703	L1107010	692034	92800		1.0	2.0					0.250	0.25	U
100703	L1107011	692034	92800		2.0	4.0					0.250	0.25	U
100703	L1107012	692034	92800		4.0	6.0					0.250	0.25	U
100801	L1108001	691700	92779		0.0	1.0							
100801	L1108002	691700	92779		1.0	2.0					0.240	0.24	U
100801	L1108003	691700	92779		2.0	4.0					0.250	0.25	U
100801	L1108004	691700	92779		2.0	4.0					0.240	0.24	U
100801	L1108005	691700	92779		4.0	6.0					0.250	0.25	U
100802	L1108006	691723	92706		0.0	1.0							
100802	L1108006A	691723	92706		0.0	1.0							
100802	L1108007	691723	92706		1.0	2.0					0.250	0.25	U
100802	L1108007A	691723	92706		1.0	2.0					0.250	0.25	U
100802	L1108008	691723	92706		2.0	4.0					0.250	0.25	U
100802	L1108008A	691723	92706		2.0	4.0					0.250	0.25	U
100802	L1108009	691723	92706		4.0	6.0					0.250	0.25	U
100802	L1108009A	691723	92706		4.0	6.0					0.250	0.25	U
100803	L1108010	691715	92725		0.0	1.0							
100803	L1108011	691715	92725		1.0	2.0					0.250	0.25	U
100803	L1108012	691715	92725		2.0	4.0					0.250	0.25	U
100803	L1108013	691715	92725		4.0	6.0					0.250	0.25	U
100805	L1108018	691709	92730		0.0	1.0							
100805	L1108019	691709	92730		1.0	2.0					0.230	0.25	
100805	L1108020	691709	92730		2.0	4.0					0.250	0.25	U
100805	L1108021	691709	92730		4.0	6.0					0.250	0.25	U
101001	L1110001	691959	92688		0.0	1.0							
101001	L1110002	691959	92688		1.0	2.0					0.250	0.25	U
101001	L1110003	691959	92688		2.0	4.0					0.250	0.25	U

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	2,4,6-TNT		
											Result	DL	VQ
101001	L1110004	691959	92688		4.0	6.0					0.250	0.25	U
101004	L1110016	691978	92653		0.0	1.0							
101004	L1110017	691978	92653		1.0	2.0					0.140	0.25	
101004	L1110018	691978	92653		2.0	4.0					0.250	0.25	U
101004	L1110019	691978	92653		4.0	6.0					0.250	0.25	U
101005	L1110037	691993	92609		0.0	1.0							
101005	L1110038	691993	92609		1.0	2.0					0.250	0.25	U
101005	L1110039	691993	92609		2.0	4.0					0.250	0.25	U
101005	L1110040	691993	92609		4.0	6.0					0.250	0.25	U
101006	L1110025	691952	92623		0.0	1.0							
101006	L1110026	691952	92623		1.0	2.0					0.250	0.25	U
101006	L1110027	691952	92623		2.0	4.0					0.250	0.25	U
101006	L1110028	691952	92623		4.0	5.0					0.250	0.25	U
101007	L1110029	691971	92576		0.0	1.0							
101007	L1110030	691971	92576		1.0	2.0					0.250	0.25	U
101008	L1110033	691999	92585		0.0	1.0							
101008	L1110034	691999	92585		1.0	2.0					0.250	0.25	U
101008	L1110035	691999	92585		2.0	4.0					0.250	0.25	U
101008	L1110036	691999	92585		4.0	6.0					0.250	0.25	U
101009	L1110021	691999	92618		0.0	1.0							
101009	L1110022	691999	92618		1.0	2.0					0.250	0.25	U
101009	L1110023	691999	92618		2.0	4.0					0.250	0.25	U
101009	L1110024	691999	92618		4.0	6.0					0.250	0.25	U
101101	L1111001	691809	93287		0.0	1.0							
101101	L1111002	691809	93287		1.0	2.0					0.250	0.25	U
101101	L1111003	691809	93287		2.0	4.0					0.250	0.25	U
101101	L1111004	691809	93287		4.0	6.0					0.250	0.25	U
101102	L1111005	691832	93269		0.0	1.0							
101102	L1111006	691832	93269		2.0	4.0							
101103	L1111007	691812	93314		0.0	1.0							
101103	L1111008	691812	93314		1.0	2.0					0.250	0.25	U
101103	L1111009	691812	93314		2.0	4.0					0.250	0.25	U
101103	L1111010	691812	93314		4.0	6.0					0.250	0.25	U
101104	L1111011	691845	93331		0.0	1.0							
101104	L1111012	691845	93331		1.0	2.0					0.250	0.25	U
101104	L1111013	691845	93331		2.0	4.0					0.250	0.25	U
101104	L1111014	691845	93331		4.0	6.0					0.250	0.25	U
101105	L1111015	691894	93311		0.0	1.0							
101105	L1111016	691894	93311		1.0	2.0					0.250	0.25	U
101105	L1111017	691894	93311		2.0	4.0					0.250	0.25	U
101105	L1111018	691894	93311		4.0	6.0					0.250	0.25	U

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	2,4,6-TNT		
											Result	DL	VQ
101106	L1111019	691911	93281		0.0	1.0							
101106	L1111020	691911	93281		1.0	2.0					0.250	0.25	U
101106	L1111022	691911	93281		2.0	4.0					0.250	0.25	U
101106	L1111023	691911	93281		4.0	6.0					0.250	0.25	U
101107	L1111024	691838	93244		0.0	1.0							
101107	L1111025	691838	93244		1.0	2.0					0.250	0.25	U
101107	L1111026	691838	93244		2.0	4.0					0.250	0.25	U
101107	L1111027	691838	93244		4.0	6.0					0.250	0.25	U
101201	L1112001	692036	92381		1.0	2.0					0.250	0.25	U
101201	L1112001A	692036	92381		0.0	1.0							
101201	L1112002	692036	92381		1.0	2.0					0.250	0.25	U
101201	L1112003	692036	92381		2.0	4.0					0.250	0.25	U
101201	L1112004	692036	92381		4.0	6.0					0.250	0.25	U
101204	L1112011A	692080	92344		0.0	1.0							
101204	L1112012	692080	92344		2.0	4.0					0.250	0.25	U
101204	L1112013	692080	92344		4.0	6.0					0.250	0.25	U
101205	L1112014	692105	92261		1.0	2.0					0.250	0.25	U
101205	L1112014A	692105	92261		0.0	1.0							
101205	L1112015	692105	92261		2.0	4.0					0.250	0.25	U
101205	L1112016	692105	92261		4.0	6.0					0.250	0.25	U
101206	L1112017	692086	92238		1.0	2.0					0.250	0.25	U
101206	L1112017A	692086	92238		0.0	1.0							
101206	L1112018	692086	92238		2.0	4.0					0.250	0.25	U
101206	L1112019	692086	92238		4.0	6.0					0.250	0.25	U
101207	L1112020	692050	92340		1.0	2.0					0.250	0.25	U
101207	L1112020A	692050	92340		0.0	1.0							
101207	L1112021	692050	92340		2.0	4.0					0.250	0.25	U
101207	L1112022	692050	92340		4.0	6.0					0.250	0.25	U
101208	L1112023	692041	92462		0.0	1.0							
101208	L1112024	692041	92462		1.0	2.0					0.250	0.25	U
101208	L1112025	692041	92462		1.0	2.0					0.250	0.25	U
101208	L1112026	692041	92462		2.0	4.0					0.250	0.25	U
101208	L1112027	692041	92462		4.0	6.0					0.250	0.25	U
101209	L1112028	692063	92389		0.0	1.0							
101209	L1112029	692063	92389		1.0	2.0					0.250	0.25	U
101209	L1112030	692063	92389		2.0	4.0					0.250	0.25	U
101209	L1112031	692063	92389		4.0	6.0					0.250	0.25	U
101210	L1112033	692085	92323		1.0	2.0					0.250	0.25	U
101210	L1112034	692085	92323		2.0	4.0					0.250	0.25	U
101210	L1112036	692085	92323		4.0	6.0					0.250	0.25	U
101210	L111232	692085	92323		0.0	1.0							

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	2,4,6-TNT		
											Result	DL	VQ
101211	L1112037	692098	92292		0.0	1.0							
101211	L1112038	692098	92292		1.0	2.0					0.250	0.25	U
101211	L1112039	692098	92292		2.0	4.0					0.250	0.25	U
101211	L1112040	692098	92292		4.0	6.0					0.250	0.25	U
101212	L1112041	692076	92256		0.0	1.0							
101212	L1112042	692076	92256		1.0	2.0					0.250	0.25	U
101212	L1112043	692076	92256		2.0	4.0					0.250	0.25	U
101212	L1112044	692076	92256		4.0	6.0					0.250	0.25	U
101213	L1112045	692055	92294		0.0	1.0							
101213	L1112046	692055	92294		1.0	2.0					0.250	0.25	U
101213	L1112047	692055	92294		2.0	4.0					0.250	0.25	U
101213	L1112048	692055	92294		2.0	4.0							
101213	L1112049	692055	92294		4.0	6.0					0.250	0.25	U
101301	L1113001	691873	92319		0.0	1.0							
101301	L1113002	691873	92319		1.0	2.0					0.250	0.25	U
101301	L1113003	691873	92319		2.0	4.0					0.250	0.25	U
101301	L1113004	691873	92319		4.0	6.0					0.250	0.25	U
101302	L1113006	691868	92338		0.0	1.0							
101302	L1113007	691868	92338		1.0	2.0					0.250	0.25	U
101302	L1113008	691868	92338		2.0	4.0					0.250	0.25	U
101302	L1113009	691868	92338		4.0	6.0					0.250	0.25	U
101303	L1113010	691845	92407		0.0	1.0							
101303	L1113011	691845	92407		1.0	2.0					0.250	0.25	U
101303	L1113012	691845	92407		2.0	4.0					0.250	0.25	U
101303	L1113013	691845	92407		4.0	6.0					0.250	0.25	U
101304	L1113014	691870	92409		2.0	4.0							
101304	L1113015	691870	92409		1.0	2.0					0.250	0.25	U
101304	L1113016	691870	92409		2.0	4.0					0.250	0.25	U
101304	L1113017	691870	92409		4.0	6.0					0.250	0.25	U
101305	L1113018	691882	92387		0.0	1.0							
101305	L1113019	691882	92387		1.0	2.0					0.250	0.25	U
101305	L1113020	691882	92387		2.0	4.0					0.250	0.25	U
101305	L1113021	691882	92387		4.0	6.0					0.250	0.25	U
101306	L1113024	691889	94486		1.0	2.0					0.250	0.25	U
101307	L1113023	691900	92319		1.0	2.0					0.250	0.25	U
101307	L1113027	691900	92319		0.0	1.0							
101307	L1113028	691900	92319		1.0	2.0					0.250	0.25	U
101308	L11130035	691875	92309		4.0	6.0					0.250	0.25	U
101308	L1113031	691875	92309		0.0	1.0							
101308	L1113032	691875	92309		1.0	2.0					0.250	0.25	U
101308	L1113033	691875	92309		2.0	4.0					0.250	0.25	U

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	2,4,6-TNT		
											Result	DL	VQ
101308	L1113034	691875	92309		2.0	4.0					0.250	0.25	U
101309	L1113036	691881	92297		0.0	1.0							
101309	L1113037	691881	92297		1.0	2.0					0.250	0.25	U
101309	L1113038	691881	92297		2.0	4.0					0.250	0.25	U
101309	L1113039	691881	92297		4.0	6.0					0.250	0.25	U
101401	L1114001	691797	92489		0.0	1.0							
101401	L1114002	691797	92489		1.0	2.0					0.250	0.25	U
101401	L1114003	691797	92489		2.0	4.0					0.250	0.25	U
101401	L1114004	691797	92489		4.0	6.0					0.250	0.25	U
101402	L1114005	691814	92487		0.0	1.0							
101402	L1114006	691814	92487		1.0	2.0					0.250	0.25	U
101402	L1114007	691814	92487		2.0	4.0					0.250	0.25	U
101402	L1114008	691814	92487		4.0	6.0					0.250	0.25	U
101501	L1115001	691936	92124		0.0	1.0							
101501	L1115002	691936	92124		1.0	2.0					0.250	0.25	U
101501	L1115003	691936	92124		2.0	4.0					0.250	0.25	U
101501	L1115004	691936	92124		4.0	6.0					0.250	0.25	U
101502	L1115005	691916	92117		0.0	1.0							
101502	L1115006	691916	92117		1.0	2.0					0.250	0.25	U
101502	L1115007	691916	92117		2.0	4.0					0.250	0.25	U
101502	L1115008	691916	92117		4.0	6.0					0.250	0.25	U
101503	L1115009	691925	92088		0.0	1.0							
101503	L1115010	691925	92088		1.0	2.0					0.250	0.25	U
101503	L1115011	691925	92088		2.0	4.0					0.250	0.25	U
101503	L1115012	691925	92088		4.0	6.0					0.250	0.25	U
101504	L1115014	691931	92075		0.0	1.0							
101504	L1115015	691931	92075		1.0	2.0					0.250	0.25	U
101504	L1115016	691931	92075		2.0	4.0					0.250	0.25	U
101504	L1115017	691931	92075		4.0	6.0					0.250	0.25	U
101505	L1115018	691943	92106		0.0	1.0							
101505	L1115019	691943	92106		1.0	2.0					0.250	0.25	U
101505	L1115020	691943	92106		2.0	4.0					0.250	0.25	U
101505	L1115021	691943	92106		4.0	6.0					0.250	0.25	U
101506	L1115022	691950	92080		0.0	1.0							
101506	L1115023	691950	92080		1.0	2.0					0.250	0.25	U
101506	L1115024	691950	92080		2.0	4.0					0.250	0.25	U
101506	L1115025	691950	92080		4.0	6.0					0.250	0.25	U
101601	L1116001	692018	92532		1.0	2.0							
101602	L1116002	692025	92510		1.0	2.0							
101604	L1116005	692012	92535		1.0	2.0							
101605	L1116006	692003	92526		1.0	2.0							

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	2,4,6-TNT		
											Result	DL	VQ
101605	L1116007	692003	92526		1.0	2.0							
101901	L1119001	691756	92245		0.0	1.0							
101901	L1119002	691756	92245		1.0	2.0					0.250	0.25	U
101901	L1119003	691756	92245		2.0	4.0					0.250	0.25	U
101901	L1119004	691756	92245		4.0	6.0					0.250	0.25	U
101902	L1119005	691701	92291		0.0	1.0							
101902	L1119006	691701	92291		1.0	2.0					0.250	0.25	U
101902	L1119007	691701	92291		2.0	4.0					0.250	0.25	U
101902	L1119008	691701	92291		4.0	6.0					0.250	0.25	U
101903	L1119011	691682	92349		0.0	1.0							
101903	L1119012	691682	92349		1.0	2.0					0.250	0.25	U
101903	L1119013	691682	92349		2.0	4.0					0.250	0.25	U
101903	L1119014	691682	92349		4.0	6.0					0.250	0.25	U
101904	L1119015	691752	92256		0.0	1.0							
101904	L1119016	691752	92256		1.0	2.0					0.250	0.25	U
101904	L1119017	691752	92256		2.0	4.0					0.250	0.25	U
101904	L1119018	691752	92256		4.0	6.0					0.250	0.25	U
101905	L1119019	691756	92280		0.0	1.0							
101905	L1119020	691756	92280		1.0	2.0					0.250	0.25	U
101905	L1119021	691756	92280		2.0	4.0					0.250	0.25	U
101905	L1119022	691756	92280		4.0	6.0					0.250	0.25	U
103601	L1136001	691816	93159		0.0	1.0							
103601	L1136002	691816	93159		1.0	2.0							
103601	L1136003	691816	93159		2.0	4.0							
103602	L1136004	691819	93152		0.0	1.0							
103602	L1136005	691819	93152		1.0	2.0							
103602	L1136006	691819	93152		2.0	4.0							
103603	L1136007	691811	93151		0.0	1.0							
103603	L1136008	691811	93151		1.0	2.0							
103603	L1136009	691811	93151		2.0	4.0							
104001	L1140001	691989	92970		0.0	1.0							
104001	L1140002	691989	92970		1.0	2.0					0.250	0.25	U
104001	L1140003	691989	92970		2.0	4.0					0.250	0.25	U
104001	L1140004	691989	92970		4.0	6.0					0.250	0.25	U
104002	L1140005	691966	92968		0.0	1.0							
104002	L1140007	691966	92968		1.0	2.0					0.250	0.25	U
104002	L1140008	691966	92968		2.0	4.0					0.250	0.25	U
104002	L1140009	691966	92968		4.0	6.0					0.250	0.25	U
104003	L1140010	692020	92953		0.0	1.0							
104003	L1140011	692020	92953		0.0	1.0					0.250	0.25	U
104003	L1140013	692020	92953		2.0	4.0					0.250	0.25	U

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	2,4,6-TNT		
											Result	DL	VQ
104003	L1140014	692020	92953		4.0	6.0					0.250	0.25	U
104004	L1140015	691950	92925		0.0	1.0							
104004	L1140016	691950	92925		1.0	2.0					0.250	0.25	U
104004	L1140017	691950	92925		2.0	4.0					0.250	0.25	U
104004	L1140018	691950	92925		4.0	6.0					0.250	0.25	U
104005	L1140006	692034	92912		2.0	4.0					0.250	0.25	U
104005	L1140020	692034	92912		0.0	1.0							
104005	L1140021	692034	92912		1.0	2.0					0.250	0.25	U
104005	L1140022	692034	92912		2.0	4.0					0.250	0.25	U
104005	L1140023	692034	92912		4.0	6.0					0.250	0.25	U
104006	L1140024	692023	92873		0.0	1.0							
104006	L1140025	692023	92873		1.0	2.0					0.250	0.25	U
104006	L1140026	692023	92873		2.0	4.0					0.250	0.25	U
104006	L1140027	692023	92873		4.0	6.0					0.250	0.25	U
104007	L1140028	691983	92874		0.0	1.0							
104007	L1140029	691983	92874		1.0	2.0					0.250	0.25	U
104007	L1140030	691983	92874		2.0	4.0					0.250	0.25	U
105001	L1150001	691709	92844		1.0	2.0					0.240	0.24	U
105001	L1150002	691709	92844		2.0	4.0					0.250	0.25	U
105001	L1150003	691709	92844		4.0	6.0					0.250	0.25	U
105003	L1150007	691689	92828		0.0	1.0							
105003	L1150008	691689	92828		1.0	2.0					0.250	0.25	U
105003	L1150009	691689	92828		2.0	4.0					0.240	0.24	U
105003	L1150010	691689	92828		4.0	6.0					0.240	0.24	U
105004	L1150011	691716	92826		0.0	1.0							
105004	L1150012	691716	92826		1.0	2.0					0.250	0.25	U
105004	L1150013	691716	92826		2.0	4.0					0.250	0.25	U
105004	L1150014	691716	92826		4.0	6.0					0.250	0.25	U
105301	L1153001	692136	92161		1.0	2.0					0.250	0.25	U
105301	L1153001A	692136	92161		0.0	1.0							
105301	L1153003	692136	92161		2.0	4.0					0.250	0.25	U
105301	L1153004	692136	92161		4.0	6.0					0.250	0.25	U
105302	L1153002	692145	92145		0.0	1.0							
105302	L1153005	692145	92145		1.0	2.0					0.250	0.25	U
105302	L1153005A	692145	92145		0.0	1.0							
105302	L1153006	692145	92145		2.0	4.0					0.250	0.25	U
105302	L1153007	692145	92145		4.0	6.0					0.250	0.25	U
105303	L1153008	692108	92140		1.0	2.0					0.250	0.25	U
105303	L1153008A	692108	92140		0.0	1.0							
105303	L1153009	692108	92140		2.0	4.0					0.250	0.25	U
105303	L1153010	692108	92140		4.0	6.0					0.250	0.25	U

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	2,4,6-TNT		
											Result	DL	VQ
106002	L1160006	691662	92877		0.0	1.0							
106002	L1160007	691662	92877		1.0	2.0					0.250	0.25	U
106002	L1160008	691662	92877		2.0	4.0					0.240	0.24	U
106002	L1160009	691662	92877		4.0	6.0					0.250	0.25	U
106003	L1160010	691680	92888		0.0	1.0							
106003	L1160011	691680	92888		1.0	2.0					0.250	0.25	U
106003	L1160012	691680	92888		2.0	4.0					0.240	0.24	U
106003	L1160013	691680	92888		4.0	6.0					0.250	0.25	U
106003	L1160014	691680	92888		4.0	6.0					0.250	0.25	U
106004	L1160015	691680	92900		0.0	1.0							
106004	L1160016	691680	92900		1.0	2.0					0.250	0.25	U
106004	L1160017	691680	92900		2.0	4.0					0.250	0.25	U
106004	L1160019	691680	92900		4.0	6.0					0.240	0.24	U
106101	L1161001	691947	93086		0.0	1.0							
106101	L1161002	691947	93086		1.0	2.0					0.250	0.25	U
106101	L1161003	691947	93086		2.0	4.0					0.250	0.25	U
106101	L1161004	691947	93086		4.0	6.0					0.250	0.25	U
106102	L1161005	691909	93057		0.0	1.0							
106102	L1161006	691909	93057		1.0	2.0					0.250	0.25	U
106102	L1161007	691909	93057		1.0	2.0					0.250	0.25	U
106102	L1161008	691909	93057		2.0	4.0					0.250	0.25	U
106102	L1161009	691909	93057		4.0	6.0					0.250	0.25	U
106104	L1161014	691956	93011		0.0	1.0							
106104	L1161015	691956	93011		1.0	2.0					0.250	0.25	U
106104	L1161016	691956	93011		2.0	4.0					0.250	0.25	U
106104	L1161017	691956	93011		4.0	6.0					0.250	0.25	U
106301	L1163009	692099	92970		0.0	1.0							
106301	L1163010	692099	92970		1.0	2.0					0.250	0.25	U
106301	L1163011	692099	92970		2.0	4.0					0.250	0.25	U
106301	L1163012	692099	92970		4.0	6.0					0.250	0.25	U
106302	L1163013	692094	92997		0.0	1.0							
106302	L1163015	692094	92997		2.0	4.0					0.250	0.25	U
106302	L1163016	692094	92997		4.0	6.0					0.250	0.25	U
106303	L1163017	692099	93024		0.0	1.0							
106303	L1163018	692099	93024		1.0	2.0					0.250	0.25	U
106303	L1163019	692099	93024		2.0	4.0					0.250	0.25	U
106303	L1163020	692099	93024		4.0	6.0					0.250	0.25	U
106304	L1163021	692101	93040		0.0	1.0							
106304	L1163022	692101	93040		1.0	2.0					0.250	0.25	U
106304	L1163023	692101	93040		2.0	4.0					0.250	0.25	U
106304	L1163024	692101	93040		4.0	6.0					0.250	0.25	U

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	2,4,6-TNT		
											Result	DL	VQ
106305	L1163025	692073	93131		0.0	1.0							
106305	L1163026	692073	93131		1.0	2.0					0.250	0.25	U
106305	L1163027	692073	93131		1.0	2.0					0.250	0.25	U
106305	L1163028	692073	93131		2.0	4.0					0.250	0.25	U
106305	L1163029	692073	93131		4.0	6.0					0.250	0.25	U
106306	L1163030	692055	93147		0.0	1.0							
106306	L1163031	692055	93147		1.0	2.0					0.250	0.25	U
106306	L1163032	692055	93147		2.0	4.0					0.250	0.25	U
106306	L1163033	692055	93147		4.0	6.0					0.250	0.25	U
106307	L1163034	692088	93113		0.0	1.0							
106307	L1163035	692088	93113		1.0	2.0					0.250	0.25	U
106307	L1163036	692088	93113		2.0	4.0					0.250	0.25	U
106307	L1163037	692088	93113		4.0	6.0					0.250	0.25	U
106308	L1163038	692094	93102		0.0	1.0							
106308	L1163039	692094	93102		1.0	2.0					0.250	0.25	U
106308	L1163040	692094	93102		2.0	4.0					0.250	0.25	U
106308	L1163041	692094	93102		4.0	6.0					0.250	0.25	U
106401	L1164001	692022	93174		0.0	1.0							
106401	L1164002	692022	93174		1.0	2.0					0.250	0.25	U
106401	L1164003	692022	93174		2.0	4.0					0.250	0.25	U
106401	L1164004	692022	93174		4.0	6.0					0.250	0.25	U
106401	L1164018	692022	93174		0.0	1.0							
106402	L1164005	692011	93185		0.0	1.0							
106402	L1164006	692011	93185		4.0	6.0					0.250	0.25	U
106402	L1164007	692011	93185		2.0	4.0					0.250	0.25	U
106402	L1164008	692011	93185		4.0	6.0					0.250	0.25	U
106403	L1164009	692000	93195		0.0	1.0							
106403	L1164010	692000	93195		1.0	2.0					0.250	0.25	U
106403	L1164011	692000	93195		2.0	4.0					0.250	0.25	U
106403	L1164012	692000	93195		4.0	6.0					0.250	0.25	U
106403	L1164013	692000	93195		4.0	6.0					0.250	0.25	U
106404	L1164014	691970	93215		2.0	4.0							
106404	L1164015	691970	93215		1.0	2.0					0.250	0.25	U
106404	L1164016	691970	93215		2.0	4.0					0.250	0.25	U
106404	L1164017	691970	93215		4.0	6.0					0.250	0.25	U
106501	L1165001	692089	92859		0.0	1.0							
106501	L1165002	692089	92859		1.0	2.0					0.250	0.25	U
106501	L1165003	692089	92859		2.0	4.0					0.250	0.25	U
106501	L1165004	692089	92859		4.0	6.0					0.250	0.25	U
106501	L1165005	692089	92859		4.0	6.0					0.250	0.25	U
106502	L1165006	692086	92848		0.0	1.0							

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	2,4,6-TNT		
											Result	DL	VQ
106502	L1165007	692086	92848		1.0	2.0					0.250	0.25	U
106502	L1165008	692086	92848		2.0	4.0					0.250	0.25	U
106502	L1165009	692086	92848		4.0	6.0					0.250	0.25	U
106503	L1165010	692175	92980		0.0	1.0							
106503	L1165011	692175	92980		1.0	2.0					0.250	0.25	U
106503	L1165012	692175	92980		2.0	4.0					0.250	0.25	U
106503	L1165013	692175	92980		4.0	6.0					0.250	0.25	U
106503	L1165030	692175	92980		1.0	2.0					0.250	0.25	U
106504	L1165014	692161	92912		0.0	1.0							
106504	L1165015	692161	92912		1.0	2.0					0.250	0.25	U
106504	L1165016	692161	92912		2.0	4.0					0.250	0.25	U
106504	L1165017	692161	92912		4.0	6.0					0.250	0.25	U
106505	L1165018	692194	92823		0.0	1.0							
106505	L1165019	692194	92823		1.0	2.0					0.250	0.25	U
106505	L1165020	692194	92823		2.0	4.0					0.250	0.25	U
106505	L1165021	692194	92823		4.0	6.0					0.250	0.25	U
106506	L1165022	692273	92884		0.0	1.0							
106506	L1165023	692273	92884		1.0	2.0					0.250	0.25	U
106506	L1165024	692273	92884		2.0	4.0					0.250	0.25	U
106506	L1165025	692273	92884		4.0	6.0					0.250	0.25	U
106507	L1165026	692267	92904		0.0	1.0							
106507	L1165027	692267	92904		1.0	2.0					0.250	0.25	U
106507	L1165028	692267	92904		2.0	4.0					0.250	0.25	U
106507	L1165029	692267	92904		4.0	6.0					0.250	0.25	U
106507	L1165031	692267	92904		0.0	1.0							
106601	L1166001	691723	92395		0.0	1.0							
106601	L1166002	691723	92395		1.0	2.0					0.250	0.25	U
106601	L1166003	691723	92395		2.0	4.0					0.250	0.25	U
106601	L1166004	691723	92395		4.0	6.0					0.250	0.25	U
106602	L1166007	691680	92381		0.0	1.0							
106602	L1166008	691680	92381		1.0	2.0					0.250	0.25	U
106602	L1166009	691680	92381		2.0	4.0					0.250	0.25	U
106602	L1166010	691680	92381		4.0	6.0					0.250	0.25	U
106701	L1167001	691949	93193		0.0	1.0							
106701	L1167002	691949	93193		1.0	2.0					0.250	0.25	U
106701	L1167003	691949	93193		2.0	4.0					0.250	0.25	U
106701	L1167004	691949	93193		4.0	6.0					0.250	0.25	U
106702	L1167005	691953	93162		0.0	1.0							
106702	L1167006	691953	93162		1.0	2.0					0.250	0.25	U
106702	L1167007	691953	93162		1.0	2.0					0.250	0.25	U
106702	L1167008	691953	93162		4.0	6.0					0.250	0.25	U

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	2,4,6-TNT		
											Result	DL	VQ
106703	L1167009	691973	93141		0.0	1.0							
106703	L1167010	691973	93141		1.0	2.0					0.250	0.25	U
106703	L1167011	691973	93141		2.0	4.0					0.250	0.25	U
106703	L1167012	691973	93141		4.0	6.0					0.250	0.25	U
107001	L1170001	691981	92458		0.0	1.0							
107001	L1170002	691981	92458		1.0	2.0					0.250	0.25	U
107001	L1170003	691981	92458		2.0	4.0					0.095	0.25	
107001	L1170004	691981	92458		4.0	6.0					0.250	0.25	U
107002	L1170005	691961	92498		0.0	1.0							
107002	L1170006	691961	92498		1.0	2.0					0.250	0.25	U
107002	L1170007	691961	92498		2.0	4.0					0.120	0.25	
107002	L1170008	691961	92498		4.0	6.0					0.100	0.25	
107101	L1171001	691874	92664		0.0	1.0							
107101	L1171002	691874	92664		1.0	2.0					0.250	0.25	U
107101	L1171003	691874	92664		2.0	4.0					0.250	0.25	U
107101	L1171004	691874	92664		4.0	6.0					0.250	0.25	U
107201	L1172001	691875	92586		0.0	1.0							
107201	L1172002	691875	92586		1.0	2.0					0.250	0.25	U
107201	L1172003	691875	92586		2.0	4.0					0.250	0.25	U
107201	L1172004	691875	92586		4.0	6.0					0.250	0.25	U
107201	L1172005	691875	92586		4.0	6.0					0.250	0.25	U
107303	L1173009	691882	92517		0.0	1.0							
107303	L1173010	691882	92517		1.0	2.0					0.240	0.24	U
107303	L1173011	691882	92517		2.0	4.0					0.240	0.24	U
107303	L1173012	691882	92517		4.0	6.0					0.250	0.25	U
107304	L1173013	691895	92491		0.0	1.0							
107304	L1173014	691895	92491		1.0	2.0					0.250	0.25	U
107304	L1173015	691895	92491		2.0	4.0					0.250	0.25	U
107304	L1173016	691895	92491		4.0	6.0					0.250	0.25	U
107305	L1173017	691925	92475		0.0	1.0							
107305	L1173018	691925	92475		1.0	2.0					0.250	0.25	U
107305	L1173019	691925	92475		2.0	4.0					0.250	0.25	U
107305	L1173020	691925	92475		4.0	6.0					0.250	0.25	U
107401	L1174001	691962	92425		0.0	1.0							
107401	L1174002	691962	92425		1.0	2.0					0.250	0.25	U
107401	L1174003	691962	92425		2.0	4.0					0.250	0.25	U
107401	L1174004	691962	92425		4.0	6.0					0.250	0.25	U
107501	L1175001	691970	92319		0.0	1.0							
107501	L1175002	691970	92319		1.0	2.0					0.250	0.25	U
107501	L1175003	691970	92319		2.0	4.0					0.250	0.25	U
107501	L1175004	691970	92319		4.0	6.0					0.250	0.25	U

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	2,4,6-TNT		
											Result	DL	VQ
107601	L1176001	691995	92243		0.0	1.0							
107601	L1176002	691995	92243		1.0	2.0					0.250	0.25	U
107601	L1176003	691995	92243		1.0	2.0					0.250	0.25	U
107601	L1176004	691995	92243		2.0	4.0					0.250	0.25	U
107601	L1176005	691995	92243		4.0	6.0					0.250	0.25	U
107701	L1177001	691839	93355		0.0	1.0							
107701	L1177002	691839	93355		1.0	2.0					0.250	0.25	U
107701	L1177003	691839	93355		2.0	4.0					0.250	0.25	U
107701	L1177004	691839	93355		4.0	6.0					0.250	0.25	U
108501	L1185001	692145	93053		0.0	1.0							
108501	L1185002	692145	93053		1.0	2.0					0.250	0.25	U
108501	L1185003	692145	93053		2.0	4.0					0.250	0.25	U
108501	L1185004	692145	93053		4.0	6.0					0.250	0.25	U
108502	L1185005	692193	93114		0.0	1.0							
108502	L1185006	692193	93114		1.0	2.0					0.250	0.25	U
108502	L1185007	692193	93114		1.0	2.0					0.250	0.25	U
108502	L1185009	692193	93114		4.0	6.0					0.250	0.25	U
110001	L11100001	691889	92747		0.0	1.0							
110001	L11100002	691889	92747		1.0	2.0					0.250	0.25	U
110001	L11100003	691889	92747		2.0	4.0					0.250	0.25	U
110001	L11100004	691889	92747		2.0	4.0					0.240	0.24	U
110003	L11100009	691958	92733		4.0	6.0					0.250	0.25	U
110003	L11100010	691958	92733		0.0	1.0							
110003	L11100011	691958	92733		1.0	2.0					0.250	0.25	U
110003	L11100012	691958	92733		1.0	2.0					0.250	0.25	U
110003	L11100013	691958	92733		2.0	4.0					0.240	0.24	U
110003	L11100014	691958	92733		4.0	6.0					0.250	0.25	U
110021	L111002001	691703	92269		0.0	1.0							
110021	L111002002	691703	92269		0.0	1.0							
110021	L111002003	691703	92269		1.0	2.0					0.250	0.25	U
110021	L111002004	691703	92269		2.0	4.0					0.250	0.25	U
110021	L111002005	691703	92269		4.0	6.0					0.250	0.25	U
110021	L111002006	691703	92269		4.0	6.0					0.250	0.25	U
112421	L11124001	691974	93402		1.0	2.0					0.250	0.25	U
112421	L11124002	691974	93402		2.0	4.0					0.250	0.25	U
112421	L11124003	691974	93402		4.0	6.0					0.250	0.25	U
112422	L11124004	691977	93392		1.0	2.0					0.250	0.25	U
112422	L11124005	691977	93392		2.0	4.0					0.250	0.25	U
112422	L11124006	691977	93392		4.0	6.0					0.250	0.25	U
112423	L11124007	691956	93454		1.0	2.0					0.250	0.25	U
112423	L11124008	691956	93454		2.0	4.0					0.250	0.25	U

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	2,4,6-TNT		
											Result	DL	VQ
112423	L11124009	691956	93454		4.0	6.0					0.250	0.25	U
112901	L11129001	691933	93378		1.0	2.0					0.250	0.25	U
112901	L11129002	691933	93378		2.0	4.0					0.250	0.25	U
112901	L11129003	691933	93378		4.0	6.0					0.250	0.25	U
112902	L11129004	691961	93373		1.0	2.0							
112902	L11129005	691961	93373		2.0	4.0							
112902	L11129006	691961	93373		2.0	4.0							
112903	L11129007	691939	93367		1.0	2.0					0.250	0.25	U
112903	L11129008	691939	93367		2.0	4.0					0.250	0.25	U
112903	L11129009	691939	93367		4.0	6.0					0.250	0.25	U
115201	L11152001	691670	93440		1.0	2.0							
115201	L11152002	691670	93440		2.0	4.0							
115202	L11152003	691677	93430		1.0	2.0							
115202	L11152004	691677	93430		2.0	4.0							
115203	L11152005	691655	93409		1.0	2.0							
115203	L11152006	691655	93409		2.0	4.0							
115204	L11152007	691646	93444		1.0	2.0							
115204	L11152008	691646	93444		2.0	4.0							
115205	L11152009	691681	93484		1.0	2.0							
115205	L11152009DL	691681	93484		1.0	2.0							
115205	L11152011	691681	93484		2.0	4.0							
115206	L11152012	691648	93431		1.0	2.0							
115206	L11152013	691648	93431		2.0	4.0							
115207	L11152014	691651	93420		1.0	2.0							
115207	L11152015	691651	93420		2.0	4.0							
115501	L11155001	691829	92890		0.0	1.0							
115501	L11155002	691829	92890		1.0	2.0					0.250	0.25	U
115501	L11155003	691829	92890		2.0	4.0					0.240	0.24	U
115501	L11155004	691829	92890		4.0	6.0					0.250	0.25	U
115501	L11155005	691829	92890		4.0	6.0					0.240	0.24	U
115502	L11155006	691921	92626		0.0	1.0							
115502	L11155007	691921	92626		1.0	2.0					0.250	0.25	U
115502	L11155008	691921	92626		2.0	4.0					0.250	0.25	U
115502	L11155009	691921	92626		4.0	6.0					0.250	0.25	U
115503	L11155010	692016	92333		0.0	1.0							
115503	L11155011	692016	92333		1.0	2.0					0.250	0.25	U
115503	L11155012	692016	92333		2.0	4.0					0.084	0.25	
116901	L11169001	691798	92297		0.0	1.0							
116901	L11169002	691798	92297		1.0	2.0							
116902	L1169003	691703	93210		0.0	1.0							
116902	L1169004	691703	93210		1.0	2.0							

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	2,4,6-TNT		
											Result	DL	VQ
116903	L11169005	691920	92946		0.0	1.0							
116903	L11169006	691920	92946		1.0	2.0							
116904	L11169007	691946	92866		0.0	1.0							
116904	L11169008	691946	92866		1.0	2.0							
116905	L11169009	692120	92125		0.0	1.0							
116905	L11169010	692120	92125		1.0	2.0							
116906	L11169011	692028	92646		1.0	2.0							
116907	L11169013	692114	92355		0.0	1.0							
116907	L11169014	692114	92355		1.0	2.0							
116908	L11169016	692066	92273		0.0	1.0							
116908	L11169017	692066	92273		1.0	2.0							
116909	L11169018	691757	92233		0.0	1.0							
116909	L11169019	691757	92233		1.0	2.0							
116910	L11169020	691979	93373		0.0	1.0							
116910	L11169021	691979	93373		1.0	2.0							
116911	L11169022	691769	93328		0.0	1.0							
116911	L11169023	691769	93328		1.0	2.0							
116912	L11169024	691863	93415		0.0	1.0							
116912	L11169025	691863	93415		1.0	2.0							
116913	L11169026	691701	92898		0.0	1.0							
116913	L11169027	691701	92898		1.0	2.0							
116914	L11169028	691725	93411		0.0	1.0							
116914	L11169028DL	691725	93411		0.0	1.0							
116914	L11169029	691725	93411		1.0	2.0							
116914	L11169029DL	691725	93411		1.0	2.0							
116915	L11169030	691883	93355		0.0	1.0							
116915	L11169031	691883	93355		0.0	1.0							
116916	L11169032	692204	93063		0.0	1.0							
116916	L11169033	692204	93063		0.0	1.0							
116916	L11169034	692204	93063		1.0	2.0							
116917	L11169035	691698	92263		0.0	1.0							
116917	L11169036	691698	92263		1.0	2.0							
116918	L11169037	691949	93168		0.0	1.0							
116918	L11169038	691949	93168		1.0	2.0							
116919	L11169039	692104	92656		0.0	1.0							
116919	L11169040	692104	92656		1.0	2.0							
116920	L11169041	691813	92098		0.0	1.0							
116920	L11169042	691813	92098		1.0	2.0							
116920	L11169043	691813	92098		1.0	2.0							
116921	L11169044	692141	92572		0.0	1.0							
116921	L11169045	692141	92572		1.0	2.0							

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	2,4,6-TNT		
											Result	DL	VQ
116922	L11169046	692089	92779		0.0	1.0							
116922	L11169047	692089	92779		1.0	2.0							
116925	L11169052	691675	93311		0.0	1.0							
116925	L11169053	691675	93311		1.0	2.0							
160302	L1163014	692094	92997		1.0	2.0					0.250	0.25	U
163701	L1163001	691731	92351		0.0	1.0							
163701	L1163002	691731	92351		1.0	2.0					0.250	0.25	U
163701	L1163003	691731	92351		2.0	4.0							
163701	L1163004	691731	92351		4.0	6.0					0.250	0.25	U
163702	L1163005	691759	92309		0.0	1.0							
163702	L1163006	691759	92309		1.0	2.0					0.250	0.25	U
163702	L1163007	691759	92309		2.0	4.0					0.250	0.25	U
163702	L1163008	691759	92309		4.0	6.0					0.250	0.25	U
10DD01	L110DD001	691669	93262		0.0	1.0							
10DD01	L110DD002	691669	93262		1.0	2.0					0.250	0.25	U
10DD01	L110DD003	691669	93262		2.0	4.0					0.250	0.25	U
10DD01	L110DD004	691669	93262		4.0	6.0					0.250	0.25	U
10DD02	L110DD005	691641	93234		0.0	1.0							
10DD02	L110DD006	691641	93234		1.0	2.0					0.250	0.25	U
10DD02	L110DD007	691641	93234		2.0	4.0					0.250	0.25	U
10DD02	L110DD008	691641	93234		4.0	6.0					0.240	0.24	U
10DD03	L110DD009	691565	93119		0.0	1.0							
10DD03	L110DD010	691565	93119		1.0	2.0					0.250	0.25	U
10DD03	L110DD011	691565	93119		2.0	4.0					0.250	0.25	U
10DD03	L110DD012	691565	93119		4.0	6.0					0.250	0.25	U
10DD04	L110DD013	691508	93081		0.0	1.0							
10DD04	L110DD014	691508	93081		1.0	2.0					0.250	0.25	U
10DD04	L110DD015	691508	93081		2.0	4.0					0.250	0.25	U
10DD04	L110DD016	691508	93081		2.0	4.0					0.240	0.24	U
10DD04	L110DD017	691508	93081		4.0	6.0					0.250	0.25	U
10DD05	L110DD018	691525	93099		0.0	1.0							
10DD05	L110DD019	691525	93099		1.0	2.0					0.250	0.25	U
10DD07	L110DD026	691660	93153		0.0	1.0							
10DD07	L110DD027	691660	93153		1.0	2.0					0.250	0.25	U
10DD07	L110DD028	691660	93153		2.0	4.0					0.240	0.24	U
10DD07	L110DD029	691660	93153		4.0	6.0					0.250	0.25	U
10DD09	L110DD034	691861	92762		0.0	1.0							
10DD09	L110DD035	691861	92762		1.0	2.0					0.066	0.25	
10DD09	L110DD036	691861	92762		2.0	4.0					0.250	0.25	U
10DD09	L110DD037	691861	92762		4.0	6.0					0.250	0.25	U
10DD10	L110DD038	691839	92768		0.0	1.0							

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	2,4,6-TNT		
											Result	DL	VQ
10DD10	L110DD039	691839	92768		0.0	1.0							
10DD10	L110DD040	691839	92768		1.0	2.0					0.250	0.25	U
10DD10	L110DD041	691839	92768		2.0	4.0					0.250	0.25	U
10DD10	L110DD042	691839	92768		4.0	6.0					0.250	0.25	U
10DD11	L110DD043	691762	92784		0.0	1.0							
10DD11	L110DD044	691762	92784		1.0	2.0					0.130	0.25	
10DD11	L110DD045	691762	92784		1.0	2.0					0.250	0.25	U
10DD11	L110DD046	691762	92784		2.0	4.0					0.250	0.25	U
10DD11	L110DD047	691762	92784		4.0	6.0					0.250	0.25	U
10DD12	L110DD048	691726	92790		0.0	1.0							
10DD12	L110DD049	691726	92790		1.0	2.0					0.240	0.24	U
10DD12	L110DD050	691726	92790		2.0	4.0					0.240	0.24	U
10DD12	L110DD051	691726	92790		4.0	6.0					0.240	0.24	U
10DD13	L110DD052	691627	92701		0.0	1.0							
10DD13	L110DD053	691627	92701		1.0	2.0					0.250	0.25	U
10DD13	L110DD054	691627	92701		2.0	4.0					0.250	0.25	U
10DD13	L110DD055	691627	92701		4.0	6.0					0.250	0.25	U
10DD14	L110DD056	691617	92673		0.0	1.0							
10DD14	L110DD057	691617	92673		1.0	2.0					0.250	0.25	U
10DD14	L110DD058	691617	92673		2.0	4.0					0.250	0.25	U
10DD14	L110DD059	691617	92673		4.0	6.0					0.250	0.25	U
10DD15	L110DD060	691625	92545		0.0	1.0							
10DD15	L110DD061	691625	92545		1.0	2.0					0.250	0.25	U
10DD15	L110DD062	691625	92545		2.0	4.0					0.200	0.25	
10DD15	L110DD063	691625	92545		4.0	6.0					0.250	0.25	U
10DD16	L110DD065	691588	92546		1.0	2.0					0.250	0.25	U
10DD16	L110DD066	691588	92546		2.0	4.0					0.250	0.25	U
10DD16	L110DD067	691588	92546		4.0	6.0					0.190	0.25	
10DD17	L110DD069	691547	92435		1.0	2.0					0.250	0.25	U
10DD17	L110DD070	691547	92435		2.0	4.0					0.083	0.25	
10DD17	L110DD071	691547	92435		4.0	6.0					0.250	0.25	U
10DD17	L110DD072	691547	92435		4.0	6.0					0.250	0.25	U
10DD18	L110DD074	691582	92419		1.0	2.0					0.250	0.25	U
10DD18	L110DD075	691582	92419		2.0	4.0					0.250	0.25	U
10DD18	L110DD076	691582	92419		4.0	6.0					0.250	0.25	U
10DD19	L110DD077	691678	92547		0.0	1.0							
10DD19	L110DD078DL	691678	92547		1.0	2.0							
10DD19	L110DD079DL	691678	92547		2.0	4.0							
10DD20	L110DD081	691806	92511		0.0	1.0							
10DD20	L110DD082	691806	92511		1.0	2.0					0.250	0.25	U
10DD20	L110DD083	691806	92511		2.0	4.0					0.250	0.25	U

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	2,4,6-TNT		
											Result	DL	VQ
10DD20	L110DD084	691806	92511		4.0	6.0					0.250	0.25	U
10DD21	L110DD085	691838	92504		0.0	1.0							
10DD21	L110DD086	691838	92504		1.0	2.0					0.250	0.25	U
10DD21	L110DD087	691838	92504		2.0	4.0					0.250	0.25	U
10DD21	L110DD088	691838	92504		4.0	6.0					0.250	0.25	U
10DD22	L110DD089	691858	92111		0.0	1.0							
10DD22	L110DD090	691858	92111		1.0	2.0					0.250	0.25	U
10DD22	L110DD091	691858	92111		2.0	4.0					0.250	0.25	U
10DD22	L110DD092	691858	92111		4.0	6.0					0.250	0.25	U
10DD23	L110DD094	691798	92021		1.0	2.0					0.250	0.25	U
10DD23	L110DD095	691798	92021		2.0	4.0					0.250	0.25	U
10DD23	L110DD096	691798	92021		4.0	6.0					0.250	0.25	U
10DD25	L110DD102	691742	92808		2.0	4.0							
10DD25	L110DD103	691742	92808		1.0	2.0					0.250	0.25	U
10DD25	L110DD104	691742	92808		2.0	4.0					0.250	0.25	U
10DD25	L110DD105	691742	92808		4.0	6.0					0.250	0.25	U
10DD26	L110DD106	691759	92856		0.0	1.0							
10DD26	L110DD107	691759	92856		1.0	2.0					0.110	0.25	
10DD26	L110DD108	691759	92856		2.0	4.0					0.120	0.25	
10DD26	L110DD109	691759	92856		4.0	6.0					0.160	0.25	
10DD27	L110DD110	691918	91943		0.0	1.0							
10DD27	L110DD111	691918	91943		1.0	2.0					0.250	0.25	U
10DD27	L110DD112	691918	91943		2.0	4.0					0.250	0.25	U
10DD27	L110DD113	691918	91943		4.0	6.0					0.250	0.25	U
10DD28	L110DD115	691840	91886		1.0	2.0					0.250	0.25	U
10DD28	L110DD116	691840	91886		2.0	4.0					0.250	0.25	U
10DD28	L110DD117	691840	91886		4.0	6.0					0.250	0.25	U
10DD29	L110DD131	691632	93305		0.0	1.0							
10DD29	L110DD132	691632	93305		1.0	2.0					0.250	0.25	U
10DD29	L110DD133	691632	93305		2.0	4.0					0.250	0.25	U
10DD29	L110DD134	691632	93305		4.0	6.0					0.250	0.25	U
L1-E46-C001	IAAP137907						EU4	F	46	west wall BC 4 and 5	0.17	0.25	J
L1-E46-C002	IAAP137908									west wall BC 6, 7 and 3	0.25	0.25	U
L1-E46-C003	IAAP137909									floor BC 1, 9, 2, 3, 7, and 6	0.23	0.25	J
L1-E46-C004	IAAP137910									south wall BC 2, 3, and 4	0.25	0.25	U
L1-E46-C005	IAAP137911									floor BC 3, 4, 5, 6, and 7	0.21	0.25	J
L1-E46-C006	IAAP137912									east wall BC 1, 9, and 2	0.25	0.25	U

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	2,4,6-TNT		
											Result	DL	VQ
L1-E12-C001	IAAP112282						EU5	B	12	north wall BC 1 and 12	0.29	0.29	U
L1-E12-C002	IAAP112282-1					FD of IAAP112282				0.30	0.3	U	
L1-E12-C004	IAAP112283					east wall BC 1 and 2				0.43	0.27	=	
L1-E12-C005	IAAP112284					south wall BC 2 and 3				0.29	0.29	U	
L1-E12-C006	IAAP112285					west wall BC 8, 9, and 10; 11 and 12				0.29	0.29	U	
L1-E12-C007	IAAP112286					floor of EXC				0.29	0.29	U	
L1-E14-C001	IAAP112292						EU5	D	14	north wall BC 1 and 8	0.31	0.31	U
L1-E14-C002	IAAP112293					east wall BC 1 and 2				0.32	0.32	U	
L1-E14-C004	IAAP112295					west wall BC 7 and 8				0.32	0.32	U	
L1-E14-C005	IAAP112296					floor of EXC				0.31	0.31	U	
L1-E15-C001	IAAP112297						EU5	E North	15	Wall BC 15, 1, & 2	0.29	0.29	U
L1-E15-C004	IAAP112298					Wall BC 2, 3, 4, 5, & 6				0.28	0.28	U	
L1-E15-C007	IAAP112301					Wall BC 9, 10, 11, 12, 13, 14, & 15				0.28	0.28	U	
L1-E15-C009	IAAP112303					Floor BC 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, & 15				0.30	0.3	U	
L1-E15-C012	IAAP113264					Wall BC 6, 7, 8, & 9				0.29	0.29	U	
L1-E15-C005	IAAP112299					Wall BC 1, 2, 3, 4, 5, 6, and 7				0.29	0.29	U	
L1-E15-C006	IAAP112300						EU5	E South	15	Wall BC 7, 8, and 9	0.27	0.27	U
L1-E15-C008	IAAP112302					Wall BC 9, 10, 11, and 12				0.30	0.3	U	
L1-E15-C010	IAAP112353					Wall BC 12, 13 and 1				0.30	0.3	U	
L1-E15-C017-P4	IAAP132502					Floor BC 1, 2, 3, 4, 5, 11, 12, and 13				0.07	0.25	J	
L1-E15-C021-P4	IAAP132648					Floor BC 5,6, 10 and 11				0.25	0.25	U	
L1-E15-C022-P4	IAAP132649					Floor BC 6, 7, 8, 9, and 10				0.25	0.25	U	
L1-E50-C001	IAAP138923						EU5	F	50	Wall BC 26, 27, 28, 29 and 30	0.25	0.25	U
L1-E50-C002	IAAP138924					Wall BC 17, 18, 19, 20, and 21				0.25	0.25	U	
L1-E50-C003	IAAP138925					Wall BC 21, 22, 23, 24, 25, and 26				0.25	0.25	U	
L1-E50-C004	IAAP138926					Floor BC 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 48, and 49				0.25	0.25	U	
L1-E50-C005	IAAP138927					Wall BC 30, 31, 32, 33, 34, 35, and 36				0.06	0.25	J	
L1-E50-C007	IAAP138929					Wall BC 36, 37, 38, 39, 40, and 41				0.25	0.25	U	
L1-E50-C008	IAAP138930					Wall BC 8, 9, 10, 11, 12, 13, 14, 15, 16, and 17				0.25	0.25	U	
L1-E50-C009	IAAP138931					Floor BC 16, 17, 49, 48, 30, 31, 32, 33, 34, 35, 36, 37, 38, and 50				0.25	0.25	U	
L1-E50-C010	IAAP138932					Floor BC 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 50, 38, 39 40, 41, 46, and 47				0.25	0.25	U	
L1-E50-C011	IAAP139424					Wall BC 41, 42, 43, 44, and 45				0.25	0.25	U	
L1-E50-C012	IAAP139425					Wall BC 41 and 46				0.25	0.25	U	
L1-E50-C013	IAAP139426					Floor BC 41, 42, 43, 44, 45 and 46				0.25	0.25	U	
L1-E50-C016	IAAP139427					Wall BC 1, 2, 3, 4, 5, 6, 7, and 8	0.25	0.25	U				
L1-E17-C002	IAAP112310						EU5	G	17	east wall BC 8, 9, and 10	0.37	0.3	=
L1-E17-C011	IAAP131818					north wall BC 1, 2, and 3				0.25	0.25	U	
L1-E17-C009	IAAP131816					floor BC 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15 and 16				0.48	0.25	=	
L1-E17-C010	IAAP131817					floor BC 1, 2, 3, 4, 5, 16, and 17				0.25	0.25	U	

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	2,4,6-TNT				
											Result	DL	VQ		
L1-E21-C001	IAAP112331						EU5	K	21	Wall BC 1 and 2	0.31	0.31	U		
L1-E21-C002	IAAP112332											Wall BC 2 and 3	0.31	0.31	U
L1-E21-C004	IAAP112334											Wall BC 1 and 23	0.30	0.3	U
L1-E21-C005	IAAP112335											Floor BC 1, 2, 3, 24, and 23	0.35	0.35	U
L1-E21-C010-P4	IAAP131855											Wall BC 4, 5, and 6	0.25	0.25	U
L1-E21-C011-P4	IAAP131856											Wall BC 19, 20, 21, and 22	0.25	0.25	U
L1-E21-C012-P4	IAAP131857											Floor BC 3, 4, 5, 6, 7, 8, 9, 18, 19, 20, 21, 22, 23, and 24	0.25	0.25	U
L1-E1-C014	IAAP132640											Wall BC 9, 10, 11, and 12	0.09	0.25	J
L1-E1-C015	IAAP132641											Wall BC 13, 14, 15, 16, 17, and 18	0.25	0.25	U
L1-E21-C017	IAAP133121											Floor BC 9, 10, 11, 12, 13, 14, 15, 16, 17, and 18	0.25	0.25	U
L1-E21-C020	IAAP133122											Floor BC 25, 26, 27, and 28	0.25	0.25	U
L1-E21-C021	IAAP133123											Wall BC 26 and 27	0.25	0.25	U
L1-E21-C022	IAAP133124											Wall BC 25 and 28	0.25	0.25	U
L1-E21-C023	IAAP133125											Wall BC 27 and 28	0.25	0.25	U
L1-E21-C024	IAAP133126											Wall BC 25 and 26	0.25	0.25	U
L1-E55-C001	IAAP144023						EU5	N	55	Wall BC 1 and 13	0.19	0.25	J		
L1-E55-C004	IAAP144024											Wall BC 7 and 8	0.25	0.25	U
L1-E55-C005	IAAP144025											Wall BC 6 and 7	0.09	0.25	J
L1-E55-C006	IAAP144026											Floor BC 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, and 13	0.25	0.25	U
L1-E55-C007	IAAP144027											Ramp BC 4, 5, 22 and 23	0.25	0.25	U
L1-E55-C008	IAAP144028											Wall BC 19, 20, and 21 & BC 25 and 26	0.25	0.25	U
L1-E55-C009	IAAP144029											Wall BC 14, 15, 27 and 28 & BC 1 and 2	0.42	0.25	=
L1-E55-C010	IAAP144030											Wall BC 15 and 26	0.23	0.25	J
L1-E55-C011	IAAP144031											Floor BC 14, 15, 26, 25, 16, 24, 17, 20, 21, 19, and 18	0.23	0.25	J
L1-E56-C001	IAAP143936									EU5	O	56	Wall BC 1, 6, & 5	0.25	0.25
L1-E56-C002	IAAP143937								Wall BC 2, 3, & 4				0.25	0.25	U
L1-E56-C003	IAAP143938								Wall BC 4 & 5				0.25	0.25	U
L1-E56-C004	IAAP143939								Floor BC 1, 2, 3, 4, 5, & 6				0.25	0.25	U
L1-E57-C001	IAAP144578						EU5	P	57	Wall BC 16 & 17	0.25	0.25	U		
L1-E57-C002	IAAP144579											Wall BC 1 & 17	0.25	0.25	U
L1-E57-C003	IAAP144580											Wall BC 15 & 16	0.25	0.25	U
L1-E57-C004	IAAP144581											Floor BC 1, 15, 16 & 17	0.22	0.25	J
L1-E57-C005	IAAP144582											Wall BC 13, 14, & 15	0.25	0.25	U
L1-E57-C006	IAAP144583											Wall BC 12 & 13	0.94	0.25	=
L1-E57-C007	IAAP144584											Wall BC 9, 10, 11, & 12	0.25	0.25	U
L1-E57-C010	IAAP144585											Wall BC 5, 6, 7, 8, & 9	0.25	0.25	U
L1-E57-C011	IAAP144586											Wall BC 3 & 4	0.16	0.25	J
L1-E57-C012	IAAP144587											Floor BC 1, 2, 3, 8, 9, 10, 11, 12,13, 14, &15	0.24	0.25	J
L1-E57-C013-P2	IAAP144941											Floor BC 3, 4, 5, 6, 7, & 8	0.25	0.25	U
L1-E57-C014	IAAP144589											Wall BC 2 & 3	0.59	0.25	=
L1-E57-C015	IAAP144590											Wall BC 1 & 2	0.25	0.25	U

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	2,4,6-TNT		
											Result	DL	VQ
L1-E58-C008	IAAP151730						EU5	Q	58	Wall BC 18, 19, & 20	0.25	0.25	U
L1-E58-C009	IAAP151731									Wall BC 16, 17, & 18	0.24	0.24	U
L1-E58-C010	IAAP151732									Wall BC 6, 7, 8, & 9	0.23	0.23	U
L1-E58-C011	IAAP151733									Wall BC 9, 10, 11, & 12	0.24	0.24	U
L1-E58-C013	IAAP151735									Wall BC 12 & 13	0.24	0.24	U
L1-E58-C014	IAAP151736									Floor BC 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 16, 17, 18, 19, & 20	0.24	0.24	U
L1-E58-C015	IAAP151737									Wall BC 15 & 16	0.23	0.23	U
L1-E58-C016	IAAP151738									Wall BC 13 & 14	0.23	0.23	U
L1-E58-C017	IAAP151739									Wall BC 14 & 15	0.22	0.22	U
L1-E58-C018	IAAP151740									Floor BC 13, 14, 15, & 16	0.22	0.22	U
L1-E58-C022-P2	IAAP165446									Floor 21, 22, 23, 36, 37, 38, 31, 32, 34, & 35	0.25	0.25	U
L1-E58-C023-P3	IAAP165496									Wall BC 25 & 26	0.25	0.25	U
L1-E58-C028	IAAP157270									Wall BC 33 & 63	0.25	0.25	U
L1-E58-C029	IAAP157271									Wall BC 32 & 63	0.24	0.24	U
L1-E58-C030-P4	IAAP166001									Floor BC 26, 27, 28, 29, 30, 31, & 38	0.25	0.25	U
L1-E58-C031-P3	IAAP165556									Wall BC 26, 27, & 28	0.25	0.25	U
L1-E58-C032	IAAP157274									Wall BC 61 & 62	0.24	0.24	U
L1-E58-C034	IAAP157278									Wall BC 21 & 22	0.23	0.23	U
L1-E58-C035-P2	IAAP165445									Wall BC 21, 35, & 34	0.25	0.25	U
L1-E58-C036	IAAP165451									Wall BC 29, 30, 31, & 32	0.08	0.25	J
L1-E58-C037	IAAP165495									Wall BC 22, 23, 24 & 25	0.25	0.25	U
L1-E58-C038	IAAP165497									Floor BC 23, 24, 25, 26, 37, & 36	0.25	0.25	U
L1-E58-C039	IAAP166000									Wall BC 28 & 29	0.25	0.25	U
L1-E58-C040	IAAP166002									Wall BC 45, 46, 47, & 48	0.25	0.25	U
L1-E58-C043	IAAP166003									Floor BC 40, 41, 42, 43, 44, 45, 46, 47, & 48	0.25	0.25	U
L1-E58-C044	IAAP166004									Wall BC 40, 41, 42, & 43	0.25	0.25	U
L1-E58-C045-P2	IAAP166379									Wall 55, 56, 57, 58, 59 & 60	0.25	0.25	U
L1-E58-C046-P3	IAAP167012									Floor 50, 51, 52, 53, 54, 55, 56, 57, 58, 59 & 60	0.25	0.25	U
L1-E58-C047	IAAP166009									Wall 50, 51, 52, 53, 54, & 55	0.25	0.25	U
L1-E58-C048	IAAP167013									Wall BC 52 & 53	0.25	0.25	U
L1-E58-C049	IAAP167014						Wall BC 55, 56, & 57	0.25	0.25	U			
L1-E58-C001	IAAP150654						Wall BC 1 & 2	0.25	0.25	U			
L1-E58-C002	IAAP150655						Wall BC 3 & 4	0.25	0.25	U			
L1-E58-C003	IAAP150657						Floor BC 1, 2, 3, & 4	0.25	0.25	U			
L1-E58-C004	IAAP150658						Wall BC 2 & 3	0.25	0.25	U			
L1-E58-C005	IAAP150656						Wall BC 1 & 4	0.25	0.25	U			
L1-E23-C009	IAAP137935						north wall BC7, 8, 9, 10, 11, and 12	0.79	0.25	=			
L1-E23-C010-P2	IAAP138635						south wall BC 1, 2, 3, and 4	0.25	0.25	U			
L1-E23-C011	IAAP137937						west wall BC 4, 5, 6, and 7	1.80	0.25	=			
L1-E23-C012	IAAP137938						floor of EXC	3.10	0.25	=			

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	2,4,6-TNT		
											Result	DL	VQ
L1-E47-C001	IAAP138781						EU6	B	47	floor of EXC	0.25	0.25	U
L1-E47-C002	IAAP138782					north wall BC 9, 10, 11, 12, and 1				0.25	0.25	U	
L1-E47-C003	IAAP138783					east wall BC 1, 2, and 3				0.25	0.25	U	
L1-E47-C004	IAAP138784					south wall BC 3, 4, 5, 6, and 7				0.25	0.25	U	
L1-E47-C005	IAAP138785					west wall BC 7, 8, and 9				0.25	0.25	U	
L1-E49-C001	IAAP138902						EU6	C	49	Floor BC 40, 41, 42, and 43	0.25	0.25	U
L1-E49-F001	IAAP138917					Wall BC 42 and 43				0.25	0.25	U	
L1-E49-C002	IAAP139501					Floor BC 36, 37, 38, and 39				0.25	0.25	U	
L1-E49-C003	IAAP139502					Wall BC 36 and 39				0.25	0.25	U	
L1-E49-C004	IAAP139828					Wall BC 31, 32, and 33				0.25	0.25	U	
L1-E49-C005-P2	IAAP140363					Wall BC 20, 22, 23, 24, 25, 26, 27, 30, and 31				0.25	0.25	U	
L1-E49-C006	IAAP139830					Wall BC 1, 2, 3, 4, 5, 6, 7, and 8				0.25	0.25	U	
L1-E49-C009	IAAP139831					Floor BC 1, 2, 3, 4, 5, 6, 7, 8, 29, 28, 27, 30, 31, 32, 33, 34, and 35				0.25	0.25	U	
L1-E49-C010-P2	IAAP140362					Floor BC 8, 9, 10, 11, 12, 21, 20, 22, 23, 24, 25, 26, 27, 28, and 29				0.25	0.25	U	
L1-E49-C011	IAAP139833					Wall BC 8, 9, 10, 11, and 12				0.25	0.25	U	
L1-E49-C012	IAAP139991					Wall BC 18, 19, and 20				0.25	0.25	U	
L1-E49-C013	IAAP139992					Wall BC 12, 13, 14, and 15				0.25	0.25	U	
L1-E49-C014	IAAP139993					Wall BC 15, 16, 17, and 18				0.25	0.25	U	
L1-E49-C015	IAAP139994					Floor BC 12, 13, 14, 15, 16, 17, 18, 19, 20, and 21				0.25	0.25	U	
L1-E51-C001	IAAP139117									EU6	D	51	Wall BC 1, 2, 3, and 4
L1-E51-C004	IAAP139118					Wall BC 4, 5, 6, and 7	0.25	0.25	U				
L1-E51-C005	IAAP139119					Wall BC 7, 8, and 9	0.25	0.25	U				
L1-E51-C006	IAAP139120					Wall BC 9, 10, and 1	0.25	0.25	U				
L1-E51-C007	IAAP139121					Floor BC 1, 2, 3, 4, 5, 6, 7, 8, 9, and 10	0.25	0.25	U				

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	2,4,6-TNT		
											Result	DL	VQ
L1-E24/25-C001	IAAP132628						EU7	A & B	24 & 25	Floor BC 20, 21, 22 & 23	0.25	0.25	U
L1-E24/25-C002	IAAP132629					Floor BC 13, 14, 15, 16, 17, 18, 19, 20, 23, & 24				0.25	0.25	U	
L1-E24/25-C003	IAAP132630					Floor BC 24, 26, 27, 28, 29, & 25				0.25	0.25	U	
L1-E24/25-C004	IAAP132631					Floor BC 11, 12, 13, 24, 25, & 29				0.25	0.25	U	
L1-E24/25-C005	IAAP132632					Floor BC 30, 53, 54, & 31				0.25	0.25	U	
L1-E24/25-C006	IAAP132633					Floor BC 8, 9, 10, 11, 29, 30, 31, & 32				0.25	0.25	U	
L1-E24/25-C009-P2	IAAP133094					Wall BC 17, 18, 19, & 20				0.25	0.25	U	
L1-E24/25-C010	IAAP132635					Wall BC 8, 9, 10, 11, 12, 13, 14, 15, 16, & 17				0.25	0.25	U	
L1-E24/25-C011	IAAP132636					Floor BC 1, 2, 3, 4, 5, 6, 44, 36, 37, 38, 39, 40, 41, 42, & 43				0.25	0.25	=	
L1-E24/25-C012	IAAP131881					Floor BC 6, 7, 8, 32, 33, 34, 46, 45, 36, & 44				0.12	0.25	J	
L1-E24/25-C013	IAAP131882					Wall BC 40, 41, 42, 43, & 1				0.25	0.25	U	
L1-E24/25-C014	IAAP131883					Wall BC 32 & 33				0.25	0.25	U	
L1-E24/25-C015	IAAP131884					Wall BC 2, 3, 4, 5, 6, 7, & 8				0.25	0.25	U	
L1-E24/25-C016-P2	IAAP133095					Wall BC 36, 37, 38, 39, & 40				0.25	0.25	U	
L1-E24/25-C017-P2	IAAP133096					Wall BC 33 & 34				0.25	0.25	U	
L1-E24/25-C018	IAAP140465					Wall BC 45, 36, 35, 52, & 51				0.25	0.25	U	
L1-E24/25-C021	IAAP140466					Wall BC 48 & 49				0.25	0.25	U	
L1-E24/25-C022	IAAP140467					Wall BC 46, 34, 47, & 48				0.25	0.25	U	
L1-E24/25-C023	IAAP140468					Wall BC 49, 50, & 51				0.25	0.25	U	
L1-E24/25-C024	IAAP140469					Floor BC 35, 34, 47, 48, 49, 50, 51, & 52				0.25	0.25	U	
L1-E24/25-C025-P2	IAAP141196					Floor BC 34, 35, 45, & 46				0.25	0.25	U	

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	2,4,6-TNT				
											Result	DL	VQ		
L1-E24/25-CO26	IAAP151199						EU7	A & B North	24 & 25	Wall BC 24 & 25	0.23	0.23	U		
L1-E24/25-CO27	IAAP151200											Wall BC 22, 23, & 24	0.24	0.24	U
L1-E24/25-CO28	IAAP151201											Wall BC 25, 26, 27, & 28	0.25	0.25	U
L1-E24/25-CO29	IAAP151202											Floor BC 22, 23 24, 25, 26, 27, & 28	0.25	0.25	U
L1-E24/25-C031	IAAP151488											Floor BC 3, 4, 5, 10, 11 12 13, 14, & 15	0.25	0.25	U
L1-E24/25-C032	IAAP151489											Wall BC 4 & 5	0.23	0.23	U
L1-E24/25-C033	IAAP151490											Wall BC 20 & 21	0.24	0.24	U
L1-E24/25-C034	IAAP151491											Wall BC 19 & 20	0.25	0.25	U
L1-E24/25-C036	IAAP151493											Wall BC 17 & 18	0.25	0.25	U
L1-E24/25-C037	IAAP151494											Wall BC 3 & 4	0.24	0.24	U
L1-E24/25-C040	IAAP151495											Ramp BC 1, 2, 3, 15, & 16	0.47	0.25	=
L1-E24/25-C041	IAAP151496											Wall BC 2 & 3	0.25	0.25	U
L1-E24/25-C043	IAAP151498											Wall BC 12, 13, 14, & 15	0.24	0.24	U
L1-E24/25-C044	IAAP151499											Wall BC 11 & 12	0.25	0.25	U
L1-E24/25-C030-P2	IAAP151698											Floor BC 17, 18, 19, 20, & 21	0.25	0.25	U
L1-E24/25-C035-P2	IAAP151697											Wall BC 18 & 19	0.25	0.25	U
L1-E24/25-C042-P2	IAAP151699											Wall BC 1, 16 & 15	0.24	0.24	U
L1-E24/25-C045	IAAP151700											Wall BC 8, 9, 10, & 11	0.24	0.24	U
L1-E24/25-C046	IAAP151701											Ramp BC 5, 6, 7, 8, 9, & 10	0.24	0.24	U
L1-E24/25-C049	IAAP151702											Wall BC 5 & 6	0.25	0.25	U
L1-E24/25-C050	IAAP151703								Wall BC 6 & 7	0.25	0.25	U			
L1-E26-C001	IAAP112372						EU7	C	26	north wall BC 1 and 4	0.32	0.32	U		
L1-E26-C002	IAAP112373											east wall BC 1 and 2	0.33	0.33	U
L1-E26-C003	IAAP112374											south wall BC 2 and 3	0.31	0.31	U
L1-E26-C004	IAAP112375											west wall BC 3 and 4	0.32	0.32	U
L1-E26-C005	IAAP112376											floor of EXC	0.34	0.34	U
L1-E26-C006	IAAP112376-1											FD of IAAP112376	0.34	0.34	U
L1-E27-C001-P3	IAAP138933						EU7	D	27	Wall BC 18 and 19	0.25	0.25	U		
L1-E27-C003-P4	IAAP139431											Wall BC 5, 21, and 11 & Wall BC 6, 7, and 8	0.25	0.25	U
L1-E27-C004-P3	IAAP138936											Wall BC 8, 9, 10, 11 and 12 & BC 13 and 14 & BC 17 and 18	0.81	0.25	=
L1-E27-C005-P3	IAAP138937											Floor BC 11, 12, 13, 14, 15, 16, 17, 18, 19, and 21	0.25	0.25	U
L1-E27-C009	IAAP138935											Wall BC 19 and 21	0.25	0.25	U
L1-E27-C010-P2	IAAP139428											Wall BC 2, 3, 4, 5, and 6	0.25	0.25	U
L1-E27-C011-P2	IAAP139429											Floor BC 3, 4, 5, 21, and 19	0.25	0.25	U
L1-E27-C012	IAAP139430											Ramp BC 1, 2, 3, 19, and 20	0.25	0.25	U
L1-E27-C013	IAAP139432											Floor BC 5, 6, 7, 8, 10, 11, and 21	0.25	0.25	U
L1-E27-C014	IAAP139433											Wall BC 14, 15, 16, and 17	0.25	0.25	U
L1-E27-C015	IAAP139434								Wall BC 12 and 13	0.25	0.25	U			
L1-E27-C016	IAAP140304								Boreholes west of steam line	0.25	0.25	U			

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	2,4,6-TNT		
											Result	DL	VQ
L1-E53-C001	IAAP139789						EU7	E	53	Wall BC 37, 38, 39, 40, 41, & 42	0.25	0.25	U
L1-E53-C002	IAAP139825									Wall BC 42 & 43	0.25	0.25	U
L1-E53-C003	IAAP139826									Wall BC 37, 53, 52, & 51	0.25	0.25	U
L1-E53-C004	IAAP139827									Floor BC 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, & 53	0.25	0.25	U
L1-E53-C005-P2	IAAP146016									Wall BC 2 & 3	0.25	0.25	U
L1-E53-C006	IAAP144924									Wall BC 3 & 4	0.25	0.25	U
L1-E53-C007	IAAP144925									Wall BC 4, 5, & 6	0.25	0.25	U
L1-E53-C008-P2	IAAP146017									Wall BC 6 & 7	0.25	0.25	U
L1-E53-C009-P2	IAAP146018									Wall BC 7, 8, & 9	0.25	0.25	U
L1-E53-C010	IAAP144928									Wall BC 9 & 10	0.25	0.25	U
L1-E53-C011	IAAP144929									Wall BC 10 & 11	0.25	0.25	U
L1-E53-C012	IAAP144930									Wall BC 11 & 12	0.25	0.25	U
L1-E53-C013	IAAP144931									Wall BC 13 & 14	0.25	0.25	U
L1-E53-C014	IAAP144932									Wall BC 14 & 15	0.25	0.25	U
L1-E53-C015	IAAP144933									Wall BC 17 & 18	0.25	0.25	U
L1-E53-C016	IAAP144934									Wall BC 18, 19, 20, & 21	0.25	0.25	U
L1-E53-C017	IAAP144935									Wall BC 21 & 22	0.25	0.25	U
L1-E53-C018-P2	IAAP146019									Wall BC 29, 30, 1, 2, 50 & 51	1.60	0.25	=
L1-E53-C019-P2	IAAP146020									Floor BC 16, 17, 18, 19, 20, & 36	0.25	0.25	U
L1-E53-C020	IAAP144938									Floor BC 9, 10, 11, 12, 13, 14, & 15	0.25	0.25	U
L1-E53-C023-P2	IAAP146021						Floor BC 1, 6, 7, 8, 9, 16, 36, 20, 21, 22, 29, & 30	0.25	0.25	U			
L1-E53-C024	IAAP144940						Floor BC 1, 2, 3, 4, 5, & 6	0.25	0.25	U			
L1-E53-C025	IAAP145144						Ramp BC 22, 23, 24, 25, 26, 27, 28, & 29	0.25	0.25	U			
L1-E53-C026	IAAP145145						Wall BC 22, 23, 24, & 25	0.25	0.25	U			
L1-E53-C027	IAAP145146						Wall BC 26, 27, 28, & 29	0.25	0.25	U			
L1-E53-C028-P2	IAAP146023						Wall BC 31 & 35	0.25	0.25	U			
L1-E53-C029-P2	IAAP146025						Wall BC 34 & 35	0.25	0.25	U			
L1-E53-C030-P2	IAAP146022						Floor BC 31, 32, 33, 34, & 35	0.25	0.25	U			
L1-E53-C031	IAAP146024						Wall BC 31, 32, & 33	0.25	0.25	U			
L1-E32-C005-P2	IAAP150228						Wall BC 5 & 6	0.43	0.25	=			
L1-E32-C007-P2	IAAP150232						Floor BC 4, 5, 6, 7, 8, 30, 31, & 23	0.18	0.25	J			
L1-E32-C0011	IAAP150225						Floor BC 13, 14, 15, 16, 17, & 18	0.25	0.25	U			
L1-E32-C0012	IAAP150226						Wall BC 16 & 17	0.25	0.25	U			
L1-E32-C001-P3	IAAP150647						Ramp BC 1, 2, 3, 4, 23, 24, 25, 26, 27, 28, & 29	0.25	0.25	U			
L1-E32-C006-P3	IAAP150651						Wall BC 22, 31, 23, 24, & 25	0.26	0.25	=			
L1-E32-C008-P2	IAAP150650						Floor BC 8, 9, 10, 32, 11, 12, 13 18, 19, 20, 21, 22, 31, & 30	7.00	0.25	=			
L1-E32-C013-P2	IAAP150653						Wall BC 32, 11, 12, 13, 14, 15, & 16	0.25	0.25	U			
L1-E32-C014	IAAP150648						Wall BC 1, 2, 3, & 4	0.25	0.25	U			
L1-E32-C015	IAAP150649						Wall BC 4 & 5	0.25	0.25	U			
L1-E32-C016	IAAP150652						Wall BC 18, 19, 20, 21, & 22	0.45	0.25	=			

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	2,4,6-TNT		
											Result	DL	VQ
L1-E33-C006	IAAP150233						EU9B	C	33	Wall BC 10, 11, & 12	0.25	0.25	U
L1-E33-C007	IAAP150234					Wall BC 8, 9, & 10				0.25	0.25	U	
L1-E33-C008	IAAP150235					Floor BC 9, 10, 11, 12, 13, 14, 15, 30, 16, 17, 18, & 22				0.25	0.25	U	
L1-E33-C009	IAAP150236					Floor BC 7, 8, 9, 22, 18, 19, 20, & 21				0.25	0.25	U	
L1-E33-C010	IAAP150237					Wall BC 30, 16, 17, & 18				0.25	0.25	U	
L1-E32-C011-P2	IAAP150667					Wall BC 18, 19, 20, 26, 27, & 4				0.25	0.25	U	
L1-E32-C012	IAAP150659					Floor BC 1, 2, 3, 4, 29, 5, & 6				0.25	0.25	U	
L1-E32-C013	IAAP150660					Wall BC 1, 6, 5, & 29				0.25	0.25	U	
L1-E32-C015	IAAP150662					Wall BC 4 & 29				0.25	0.25	U	
L1-E32-C016	IAAP150663					Wall BC 3 & 23				0.25	0.25	U	
L1-E32-C017	IAAP150664					Wall 24, 25, & 26				0.25	0.25	U	
L1-E32-C018	IAAP150665					Wall 3, 28, & 27				0.25	0.25	U	
L1-E32-C019	IAAP150666					Floor BC 3, 23, 24, 25, 26, 27, & 28				0.25	0.25	U	
L1-E33-C020-P2	IAAP151144					Wall BC 8, 7, 24 & 23				0.25	0.25	U	
L1-E33-C023	IAAP151197					Wall BC 2 & 3				0.24	0.24	U	
L1-E33-C024	IAAP151198					Wall BC 1 & 2				0.24	0.24	U	
L1-E52-C001	IAAP139785						EU9B	D	52	East Wall BC 6, 7, & 8	0.25	0.25	U
L1-E52-C002	IAAP139786					South Wall BC 8, 9, 10, 11, 12, 13, & 14				0.25	0.25	U	
L1-E52-C003	IAAP139787					West Wall BC 14, 15, 16, 17, & 18				0.25	0.25	U	
L1-E52-C004	IAAP139788					Floor BC 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, & 22				0.25	0.25	U	
L1-E59-C001	IAAP146026						EU9B	E	59	Floor BC 1, 2, 3, 4, 5, 6, 7, 8, 9, & 10	0.25	0.25	U
L1-E59-C004	IAAP146027					Wall BC 7, 8, & 9				0.25	0.25	U	
L1-E59-C005-P2	IAAP146245					Wall BC 6 & 7				0.25	0.25	U	
L1-E59-C006	IAAP146029					Wall BC 5 & 6				0.25	0.25	U	
L1-E59-C007	IAAP146030					Wall BC 10, 1, 2, 3, 4, & 5	0.25	0.25	U				
L1-E36-C001	IAAP112472						EU9D	A	36	NE wall BC 1 and 8	0.30	0.3	U
L1-E36-C002	IAAP112473					SE wall BC 1 and 2; 3, 5, and 6				0.33	0.33	U	
L1-E36-C003	IAAP112474					SW wall BC 2 and 3; 6a and 7				0.29	0.29	U	
L1-E36-C004	IAAP112475					NW wall BC 7 and 8				0.29	0.29	U	
L1-E36-C005	IAAP112476					floor of EXC				0.29	0.29	U	
L1-E37-C001	IAAP112477						EU9D	B	37	NE wall BC 4, 5, 6, and 1	0.30	0.3	U
L1-E37-C002	IAAP112478					SE wall BC 1 and 2				0.31	0.31	U	
L1-E37-C003	IAAP112479					SW wall BC 2 and 3				0.30	0.3	U	
L1-E37-C004	IAAP112480					NW wall BC 3 and 4				0.29	0.29	U	
L1-E37-C005	IAAP112481					floor of EXC				0.31	0.31	U	

Notes:

VQ symbols indicate: “=” positive identification, positive quantitation, no reason to estimate, “U” non-detect, no reason to estimate, “J” positive identification, estimated quantitation, “UJ” analyte was not detected and had QC deficiencies.

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	HMX		
											Result	DL	VQ
IAAP100010	IAAP100010	691780.86	93099.7	03/28/07	0	0.5					0.06	0.27	J
IAAP100011	IAAP100011	691787.31	93095.73	03/28/07	0	0.5					0.32	0.32	U
IAAP100012	IAAP100012	691778.68	93098.89	03/29/07	0	0.5					0.35	0.35	U
IAAP100013	IAAP100013	691779.96	93101.82	03/29/07	0	0.5					0.27	0.27	U
IAAP100031	IAAP100031	691727.31	93292.52	03/29/07	0	0.5					81.00	0.3	=
IAAP100034	IAAP100034	691728.18	93296.62	03/29/07	0	0.5					0.42	0.31	=
IAAP100035	IAAP100035	692005.58	92968.44	03/23/07	0	0.5					0.33	0.33	U
IAAP100037	IAAP100037	692014.14	92937.77	03/23/07	0	0.5					0.30	0.3	U
IAAP100038	IAAP100038	692031.34	92874.43	03/23/07	0	0.5					0.37	0.37	U
IAAP100039	IAAP100039	692024.18	92862.93	03/23/07	0	0.5					0.34	0.34	U
IAAP100040	IAAP100040	692000.86	92882.82	03/23/07	0	0.5					0.32	0.32	U
IAAP100041	IAAP100041	691961.46	92932.89	03/23/07	0	0.5					0.29	0.29	U
IAAP100042	IAAP100042	691968.62	92956.24	03/23/07	0	0.5					0.31	0.31	U
IAAP100077	IAAP100077	691941.41	92682.71	04/15/07	0	0.5					0.39	0.33	J
IAAP100080	IAAP100080	691883.53	92828.33	04/16/07	0	0.5					0.32	0.32	UJ
IAAP100081	IAAP100081	691880.11	92824.77	04/16/07	0	0.5					0.30	0.3	U
IAAP100082	IAAP100082	691846	92975.9	04/12/07	0	0.5					0.33	0.31	J
IAAP100083	IAAP100083	691833.02	92985.13	04/12/07	0	0.5					3.80	0.34	J
IAAP100084	IAAP100084	691817.45	92952.64	04/12/07	0	0.5					1.60	0.33	J
IAAP100085	IAAP100085	691825.93	92962.89	04/12/07	0	0.5					0.38	0.38	UJ
IAAP100086	IAAP100086	691816.47	92969.84	04/12/07	0	0.5					0.34	0.34	UJ
IAAP100089	IAAP100089	691777.81	92877.46	04/12/07	0	0.5					0.38	0.38	UJ
IAAP100090	IAAP100090	691736.11	92729.43	04/12/07	0	0.5					0.36	0.36	UJ
IAAP100091	IAAP100091	691735.21	92735.25	04/12/07	0	0.5					0.36	0.36	UJ
IAAP100092	IAAP100092	691738.56	92729.19	04/12/07	0	0.5					0.34	0.34	UJ
IAAP100093	IAAP100093	691685.73	92756.51	04/12/07	0	0.5					1.80	0.41	J
IAAP100094	IAAP100094	691692.38	92751.73	04/12/07	0	0.5					0.33	0.33	UJ
IAAP100097	IAAP100097	692027.57	92531.96	04/15/07	0	0.5					0.34	0.34	UJ
IAAP103929	IAAP103929	691846	92975.9	05/30/07	0	0.5					0.30	0.3	UJ
IAAP103933	IAAP103933	691894.16	92815.81	06/05/07	0	0.5					0.29	0.29	U
IAAP103934	IAAP103934	691888.07	92827.71	06/05/07	0	0.5					0.33	0.33	U
IAAP103935	IAAP103935	691882.21	92826.3	06/05/07	0	0.5					0.79	0.31	=
IAAP103937	IAAP103937	691786	92883	05/30/07	0	0.5					33.00	0.34	J
IAAP103945	IAAP103945	691737.12	92730.82	06/05/07	0	0.5					0.31	0.31	UJ
IAAP103946	IAAP103946	691713.63	92731.28	06/05/07	0	0.5					0.30	0.3	UJ
IAAP103947	IAAP103947	691671.41	92853.69	05/30/07	0	0.5					0.33	0.33	UJ
IAAP103955	IAAP103955	691976	92478	06/05/07	1	2					0.40	0.32	J
IAAP103955	IAAP103956	691976	92478	06/05/07	2	4					0.32	0.32	UJ
IAAP103960	IAAP103960	692036.54	92387.64	06/05/07	0	0.5					0.33	0.33	UJ
IAAP103961	IAAP103961	692032.45	92380.16	06/05/07	0	0.5					0.34	0.34	UJ
IAAP103962	IAAP103962	692031.92	92387.59	05/31/07	0	0.5					0.32	0.32	UJ
IAAP103966	IAAP103966	692011.9	92389.25	05/31/07	0	0.5					0.31	0.31	UJ
IAAP103985	IAAP103985	691740.96	92254.55	06/05/07	0	0.5					0.32	0.32	UJ

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	HMX		
											Result	DL	VQ
IAAP103986	IAAP103986	691694.87	92264.54	06/05/07	0	0.5					0.32	0.32	UJ
IAAP100042	IAAP103994	691968.62	92956.24	06/05/07	2	3					0.29	0.29	U
IAAP100041	IAAP103995	691961.46	92932.89	06/05/07	1	2					0.30	0.3	U
IAAP100035	IAAP103996	692005.58	92968.44	06/05/07	1	2					0.29	0.29	U
IAAP105943	IAAP105943	691813	92938	10/16/07	2	4					0.35	0.32	=
IAAP105943	IAAP105944	691813	92938	10/16/07	4	6					0.40	0.32	J
IAAP105960	IAAP105960	691945.85	92684.41	10/16/07	2	4					0.31	0.31	U
IAAP105962	IAAP105962	691936.3	92683.35	10/16/07	2	4					0.28	0.28	U
IAAP105964	IAAP105964	692019.34	92419.21	10/16/07	1	2					2.10	0.3	=
IAAP96927	IAAP111632	691998.35	92979.48	09/23/08	0	0.5					0.33	0.33	U
IAAP111640	IAAP111640	691877.22	93004.64	09/24/08	0	0.5					0.26	0.26	U
IAAP111641	IAAP111641	691884.21	92997.58	09/24/08	0	0.5					7.30	0.28	=
IAAP111642	IAAP111642	691886.13	92986.85	09/24/08	0	0.5					330.00	2.7	=
IAAP103924	IAAP111643	691875.87	92999.03	09/24/08	1	2					0.99	0.31	=
IAAP111646	IAAP111646	691813.97	92960.93	09/24/08	0	2					0.45	0.31	=
IAAP111646	IAAP111647	691813.97	92960.93	09/24/08	2	4					0.65	0.33	=
IAAP111646	IAAP111648	691813.97	92960.93	09/24/08	4	6					0.48	0.32	=
IAAP100084	IAAP111649	691817.45	92952.64	09/24/08	0.5	2					0.32	0.32	U
IAAP100084	IAAP111650	691817.45	92952.64	09/24/08	2	4					0.32	0.32	U
IAAP100084	IAAP111651	691817.45	92952.64	09/24/08	4	6					0.32	0.32	U
IAAP111652	IAAP111652	691848.62	92980.16	09/24/08	0	1					0.30	0.3	U
IAAP111652	IAAP111653	691848.62	92980.16	09/24/08	1	2					0.31	0.31	U
IAAP111655	IAAP111655	691895.09	92825.42	09/25/08	0	0.5					0.32	0.32	U
IAAP111663	IAAP111663	691685.3	92748	09/23/08	0	0.5					0.35	0.35	U
IAAP111666	IAAP111666	691678.31	92547.43	09/23/08	0	1					0.33	0.33	U
IAAP111666	IAAP111667	691678.31	92547.43	09/23/08	1	2					0.33	0.33	U
IAAP111666	IAAP111668	691678.31	92547.43	09/23/08	2	4					0.32	0.32	U
IAAP111670	IAAP111670	691927.99	92676.85	09/23/08	0	2					0.31	0.31	U
IAAP111670	IAAP111671	691927.99	92676.85	09/23/08	2	4					1.10	0.29	=
IAAP111672	IAAP111672	691939.08	92675.99	09/23/08	0	2					0.31	0.31	U
IAAP111672	IAAP111673	691939.08	92675.99	09/23/08	2	4					0.49	0.31	=
IAAP111679	IAAP111679	692014	92397	09/23/08	0	1					0.34	0.34	U
IAAP111679	IAAP111680	692014	92397	09/23/08	1	2					0.33	0.33	U
IAAP111681	IAAP111681	692018.19	92383.4	09/23/08	0	1					0.33	0.33	U
IAAP111681	IAAP111682	692018.19	92383.4	09/23/08	1	2					0.33	0.33	U
IAAP111721	IAAP111721	691752.34	92256.02	09/22/08	0	0.5					0.30	0.3	U
IAAP111722	IAAP111722	691750.74	92261.62	09/22/08	0	0.5					0.30	0.3	U
IAAP130287	IAAP130287	691817.89	92964.9	09/07/10	9.9	10.4					0.25	0.25	U
IAAP130287	IAAP130288	691817.89	92964.9	09/07/10	11	12					0.25	0.25	U
IAAP130287	IAAP130289	691817.89	92964.9	09/07/10	12	13					0.25	0.25	U
IAAP97020	IAAP130333	691695	92744	09/09/10	1	2					0.25	0.25	U

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	HMX		
											Result	DL	VQ
IAAP97020	IAAP130334	691695	92744	09/09/10	2	3					0.25	0.25	U
IAAP97020	IAAP130335	691695	92744	09/09/10	3	4					0.25	0.25	U
IAAP97020	IAAP130336	691695	92744	09/09/10	4	5					0.25	0.25	U
IAAP97020	IAAP130337	691695	92744	09/09/10	5	6					0.25	0.25	U
IAAP97020	IAAP130338	691695	92744	09/09/10	6	7					0.25	0.25	U
IAAP97020	IAAP130339	691695	92744	09/09/10	7	8					0.25	0.25	U
IAAP97020	IAAP130340	691695	92744	09/09/10	8	9					0.06	0.25	J
IAAP130342	IAAP130342	691691	92737	09/09/10	0	1					0.25	0.25	U
IAAP130342	IAAP130343	691691	92737	09/09/10	1	2					0.25	0.25	U
IAAP130342	IAAP130344	691691	92737	09/09/10	2	3					0.25	0.25	U
IAAP130342	IAAP130345	691691	92737	09/09/10	3	4					0.25	0.25	U
IAAP130342	IAAP130346	691691	92737	09/09/10	4	5					0.10	0.25	J
IAAP130342	IAAP130347	691691	92737	09/09/10	5	6					0.25	0.25	U
IAAP130342	IAAP130348	691691	92737	09/09/10	6	7					0.25	0.25	U
IAAP130342	IAAP130349	691691	92737	09/09/10	7	8					0.25	0.25	U
IAAP130342	IAAP130350	691691	92737	09/09/10	8	9					0.25	0.25	U
IAAP130342	IAAP130351	691691	92737	09/09/10	9	10					0.25	0.25	U
IAAP97029	IAAP130367	691930	92683	09/08/10	1	2					0.05	0.25	J
IAAP97029	IAAP130368	691930	92683	09/08/10	2	3					0.11	0.25	J
IAAP97029	IAAP130369	691930	92683	09/08/10	3	4					0.06	0.25	J
IAAP97029	IAAP130370	691930	92683	09/08/10	4	5					0.25	0.25	U
IAAP97029	IAAP130371	691930	92683	09/08/10	5	6					0.25	0.25	U
IAAP97029	IAAP130372	691930	92683	09/08/10	6	7					0.25	0.25	U
IAAP97029	IAAP130373	691930	92683	09/08/10	7	8					0.25	0.25	U
IAAP111670	IAAP130374	691927.99	92676.85	09/14/10	4	5					0.25	0.25	U
IAAP111670	IAAP130375	691927.99	92676.85	09/14/10	5	6					0.25	0.25	U
IAAP111670	IAAP130376	691927.99	92676.85	09/14/10	6	7					0.25	0.25	U
IAAP111670	IAAP130377	691927.99	92676.85	09/14/10	7	8					0.04	0.25	J
IAAP105964	IAAP130414	692019.34	92419.21	09/09/10	0	1					0.08	0.25	J
IAAP105964	IAAP130415	692019.34	92419.21	09/09/10	2	3					0.27	0.25	=
IAAP105964	IAAP130416	692019.34	92419.21	09/09/10	3	4					0.23	0.25	J
IAAP105964	IAAP130417	692019.34	92419.21	09/09/10	4	5					0.24	0.25	J
IAAP105964	IAAP130418	692019.34	92419.21	09/09/10	5	6					0.14	0.25	J
IAAP105964	IAAP130419	692019.34	92419.21	09/09/10	6	7					0.16	0.25	J
IAAP105964	IAAP130420	692019.34	92419.21	09/09/10	7	8					0.10	0.25	J
IAAP105964	IAAP130421	692019.34	92419.21	09/09/10	8	9					0.18	0.25	J
IAAP130422	IAAP130430	692016.33	92408.51	09/13/10	8	9							
IAAP99934	IAAP130431	692030.09	92396.58	09/08/10	2	3					0.25	0.25	U
IAAP99934	IAAP130432	692030.09	92396.58	09/08/10	3	4					0.25	0.25	U
IAAP99934	IAAP130433	692030.09	92396.58	09/08/10	4	5					0.25	0.25	U
IAAP99934	IAAP130434	692030.09	92396.58	09/08/10	5	6					0.25	0.25	U

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	HMX		
											Result	DL	VQ
IAAP99934	IAAP130435	692030.09	92396.58	09/08/10	6	7					0.25	0.25	U
IAAP130436	IAAP130436	692033.78	92397.78	09/08/10	0	1					0.25	0.25	U
IAAP130436	IAAP130437	692033.78	92397.78	09/08/10	1	2					0.25	0.25	U
IAAP130436	IAAP130438	692033.78	92397.78	09/08/10	2	3					0.25	0.25	U
IAAP130436	IAAP130439	692033.78	92397.78	09/08/10	3	4					0.25	0.25	U
IAAP130436	IAAP130440	692033.78	92397.78	09/08/10	4	5					0.25	0.25	U
IAAP130436	IAAP130441	692033.78	92397.78	09/08/10	5	6					0.25	0.25	U
IAAP130436	IAAP130442	692033.78	92397.78	09/08/10	6	7					0.25	0.25	U
IAAP130461	IAAP130461	692011.4	92416.21	09/13/10	0	1					0.25	0.25	=
IAAP130461	IAAP130462	692011.4	92416.21	09/13/10	1	2					0.13	0.25	J
IAAP130461	IAAP130463	692011.4	92416.21	09/13/10	2	3					0.10	0.25	J
IAAP130461	IAAP130464	692011.4	92416.21	09/13/10	3	4					0.12	0.25	J
IAAP130461	IAAP130465	692011.4	92416.21	09/13/10	4	5					0.09	0.25	J
IAAP130461	IAAP130466	692011.4	92416.21	09/13/10	5	6					0.07	0.25	J
IAAP130461	IAAP130467	692011.4	92416.21	09/13/10	6	7					0.05	0.25	J
IAAP130461	IAAP130468	692011.4	92416.21	09/13/10	7	8					0.06	0.25	J
IAAP130461	IAAP130469	692011.4	92416.21	09/13/10	8	9					0.09	0.25	J
IAAP132548	IAAP132548	691985.39	92461.61	12/07/10	0	1					0.82	0.25	=
IAAP132548	IAAP132549	691985.39	92461.61	12/07/10	1	2					0.62	0.25	=
IAAP132548	IAAP132550	691985.39	92461.61	12/07/10	2	3					0.16	0.25	J
IAAP132548	IAAP132551	691985.39	92461.61	12/07/10	3	4					0.34	0.25	=
IAAP132548	IAAP132552	691985.39	92461.61	12/07/10	4	5					0.41	0.25	=
IAAP132548	IAAP132553	691985.39	92461.61	12/07/10	5	6					0.30	0.25	=
IAAP132554	IAAP132554	692017.39	92419.47	12/08/10	0	1					0.12	0.25	J
IAAP132554	IAAP132555	692017.39	92419.47	12/08/10	1	2					0.05	0.25	J
IAAP132554	IAAP132556	692017.39	92419.47	12/08/10	2	3					0.07	0.25	J
IAAP132554	IAAP132557	692017.39	92419.47	12/08/10	3	4					0.14	0.25	J
IAAP132554	IAAP132558	692017.39	92419.47	12/08/10	4	5					0.08	0.25	J
IAAP132554	IAAP132559	692017.39	92419.47	12/08/10	5	6					0.25	0.25	U
IAAP132560	IAAP132560	692009.98	92408.8	12/07/10	0	1					0.46	0.25	=
IAAP132560	IAAP132561	692009.98	92408.8	12/07/10	1	2					0.58	0.25	=
IAAP132560	IAAP132562	692009.98	92408.8	12/07/10	2	3					0.80	0.25	=
IAAP132560	IAAP132563	692009.98	92408.8	12/07/10	3	4					0.80	0.25	=
IAAP132560	IAAP132564	692009.98	92408.8	12/07/10	4	5					0.12	0.25	J
IAAP132560	IAAP132565	692009.98	92408.8	12/07/10	5	6					0.09	0.25	J
IAAP132566	IAAP132566	692020.12	92377.24	12/07/10	0	1					0.10	0.25	J
IAAP132566	IAAP132567	692020.12	92377.24	12/07/10	1	2					0.08	0.25	J
IAAP132566	IAAP132568	692020.12	92377.24	12/07/10	2	3					0.06	0.25	J
IAAP132566	IAAP132569	692020.12	92377.24	12/07/10	3	4					0.07	0.25	J
IAAP132566	IAAP132570	692020.12	92377.24	12/07/10	4	5					0.25	0.25	U
IAAP132566	IAAP132571	692020.12	92377.24	12/07/10	5	6					2.10	0.25	=

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	HMX		
											Result	DL	VQ
IAAP132584	IAAP132584	691993.3	92446.6	12/07/10	0	1					0.25	0.25	U
IAAP132584	IAAP132585	691993.3	92446.6	12/07/10	1	2					0.09	0.25	J
IAAP132584	IAAP132586	691993.3	92446.6	12/07/10	2	3					0.14	0.25	J
IAAP132584	IAAP132587	691993.3	92446.6	12/07/10	3	4					0.12	0.25	J
IAAP132584	IAAP132588	691993.3	92446.6	12/07/10	4	5					0.25	0.25	=
IAAP132584	IAAP132589	691993.3	92446.6	12/07/10	5	6					0.39	0.25	=
IAAP132590	IAAP132590	692004.8	92423.59	12/07/10	0	1					0.25	0.25	U
IAAP132590	IAAP132591	692004.8	92423.59	12/07/10	1	2					0.25	0.25	U
IAAP132590	IAAP132592	692004.8	92423.59	12/07/10	2	3					0.04	0.25	J
IAAP132590	IAAP132593	692004.8	92423.59	12/07/10	3	4					0.07	0.25	J
IAAP132590	IAAP132594	692004.8	92423.59	12/07/10	4	5					0.08	0.25	J
IAAP132590	IAAP132595	692004.8	92423.59	12/07/10	5	6					0.08	0.25	J
IAAP132602	IAAP132602	692021.1	92375.6	12/08/10	0	1					0.31	0.25	=
IAAP132602	IAAP132603	692021.1	92375.6	12/08/10	1	2					0.25	0.25	U
IAAP132602	IAAP132604	692021.1	92375.6	12/08/10	2	3					0.25	0.25	U
IAAP132602	IAAP132605	692021.1	92375.6	12/08/10	3	4					0.04	0.25	J
IAAP132602	IAAP132606	692021.1	92375.6	12/08/10	4	5					0.43	0.25	=
IAAP132602	IAAP132607	692021.1	92375.6	12/08/10	5	6					0.50	0.25	=
IAAP132608	IAAP132608	692034.8	92362.03	12/08/10	0	1					0.12	0.25	J
IAAP132608	IAAP132609	692034.8	92362.03	12/08/10	1	2					0.21	0.25	J
IAAP132608	IAAP132610	692034.8	92362.03	12/08/10	2	3					0.28	0.25	=
IAAP132608	IAAP132611	692034.8	92362.03	12/08/10	3	4					0.43	0.25	=
IAAP132608	IAAP132612	692034.8	92362.03	12/08/10	4	5					0.45	0.25	=
IAAP132608	IAAP132613	692034.8	92362.03	12/08/10	5	6					0.36	0.25	=
IAAP132560	IAAP132614	692009.98	92408.8	12/07/10	6.4	6.6					0.24	0.25	J
IAAP132590	IAAP132616	692004.8	92423.59	12/07/10	8.5	8.6					0.10	0.25	J
IAAP132602	IAAP132618	692021.1	92375.6	12/08/10	9.5	10					0.29	0.25	=
IAAP133133	IAAP133133	691985.5	92460.74	12/08/10	0	1					0.30	0.25	=
IAAP133133	IAAP133134	691985.5	92460.74	12/08/10	1	2					0.17	0.25	J
IAAP133133	IAAP133135	691985.5	92460.74	12/08/10	2	3					0.05	0.25	J
IAAP135624	IAAP135624	691980.88	92492.22	04/12/11	0	1					0.25	0.25	U
IAAP135624	IAAP135625	691980.88	92492.22	04/12/11	1	2					0.25	0.25	U
IAAP135624	IAAP135626	691980.88	92492.22	04/12/11	2	3					2.60	0.25	=
IAAP135624	IAAP135627	691980.88	92492.22	04/12/11	3	4					3.80	0.25	=
IAAP135624	IAAP135628	691980.88	92492.22	04/12/11	4	5					0.26	0.25	=
IAAP135624	IAAP135629	691980.88	92492.22	04/12/11	5	6					0.22	0.25	J
IAAP135630	IAAP135630	691983.2	92499.09	04/12/11	0	1					0.14	0.25	J
IAAP135630	IAAP135631	691983.2	92499.09	04/12/11	1	2					0.25	0.25	U
IAAP135630	IAAP135632	691983.2	92499.09	04/12/11	2	3					0.25	0.25	U
IAAP135630	IAAP135633	691983.2	92499.09	04/12/11	3	4					0.25	0.25	U
IAAP135630	IAAP135634	691983.2	92499.09	04/12/11	4	5					0.06	0.25	J

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	HMX		
											Result	DL	VQ
IAAP135630	IAAP135635	691983.2	92499.09	04/12/11	5	6					0.25	0.25	U
IAAP135642	IAAP135642	691979	92523.18	04/12/11	0	1					0.32	0.25	=
IAAP135642	IAAP135643	691979	92523.18	04/12/11	1	2					0.09	0.25	J
IAAP135642	IAAP135644	691979	92523.18	04/12/11	2	3					0.15	0.25	J
IAAP135642	IAAP135645	691979	92523.18	04/12/11	3	4					0.14	0.25	J
IAAP135642	IAAP135646	691979	92523.18	04/12/11	4	5					0.20	0.25	J
IAAP135642	IAAP135647	691979	92523.18	04/12/11	5	6					0.23	0.25	J
IAAP135648	IAAP135648	691977.06	92526.48	04/12/11	0	1					0.25	0.25	U
IAAP135648	IAAP135649	691977.06	92526.48	04/12/11	1	2					0.25	0.25	U
IAAP135648	IAAP135650	691977.06	92526.48	04/12/11	2	3					0.25	0.25	U
IAAP135648	IAAP135651	691977.06	92526.48	04/12/11	3	4					0.25	0.25	U
IAAP135648	IAAP135652	691977.06	92526.48	04/12/11	4	5					0.11	0.25	J
IAAP135648	IAAP135653	691977.06	92526.48	04/12/11	5	6					0.30	0.25	=
IAAP135672	IAAP135672	691966.97	92559.46	04/13/11	0	1					0.05	0.25	J
IAAP135672	IAAP135673	691966.97	92559.46	04/13/11	1	2					0.25	0.25	U
IAAP135672	IAAP135674	691966.97	92559.46	04/13/11	2	3					0.25	0.25	U
IAAP135672	IAAP135675	691966.97	92559.46	04/13/11	3	4					0.25	0.25	U
IAAP135672	IAAP135676	691966.97	92559.46	04/13/11	4	5					0.25	0.25	U
IAAP135672	IAAP135677	691966.97	92559.46	04/13/11	5	6					0.25	0.25	U
IAAP135678	IAAP135678	691962.25	92572.14	04/13/11	0	1					0.10	0.25	J
IAAP135678	IAAP135679	691962.25	92572.14	04/13/11	1	2					0.13	0.25	J
IAAP135678	IAAP135680	691962.25	92572.14	04/13/11	2	3					0.10	0.25	J
IAAP135678	IAAP135681	691962.25	92572.14	04/13/11	3	4					0.25	0.25	U
IAAP135678	IAAP135682	691962.25	92572.14	04/13/11	4	5					0.25	0.25	U
IAAP135678	IAAP135683	691962.25	92572.14	04/13/11	5	6					0.25	0.25	U
IAAP135684	IAAP135684	691961.6	92575.74	04/13/11	0	1					0.25	0.25	U
IAAP135684	IAAP135685	691961.6	92575.74	04/13/11	1	2					0.14	0.25	J
IAAP135684	IAAP135686	691961.6	92575.74	04/13/11	2	3					0.09	0.25	J
IAAP135684	IAAP135687	691961.6	92575.74	04/13/11	3	4					0.12	0.25	J
IAAP135684	IAAP135688	691961.6	92575.74	04/13/11	4	5					0.25	0.25	U
IAAP135684	IAAP135689	691961.6	92575.74	04/13/11	5	6					0.25	0.25	U
IAAP135690	IAAP135690	691957.18	92589.23	04/13/11	0	1					37.00	0.25	=
IAAP135690	IAAP135691	691957.18	92589.23	04/13/11	1	2					1.70	0.25	=
IAAP135690	IAAP135692	691957.18	92589.23	04/13/11	2	3					0.91	0.25	=
IAAP135690	IAAP135693	691957.18	92589.23	04/13/11	3	4					0.25	0.25	U
IAAP135690	IAAP135694	691957.18	92589.23	04/13/11	4	5					0.25	0.25	U
IAAP135690	IAAP135695	691957.18	92589.23	04/13/11	5	6					0.08	0.25	J
IAAP135696	IAAP135696	691953.6	92600.02	04/13/11	0	1					0.12	0.25	J
IAAP135696	IAAP135697	691953.6	92600.02	04/13/11	1	2					0.25	0.25	U
IAAP135696	IAAP135698	691953.6	92600.02	04/13/11	2	3					0.25	0.25	U
IAAP135696	IAAP135699	691953.6	92600.02	04/13/11	3	4					0.25	0.25	U

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	HMX		
											Result	DL	VQ
IAAP135696	IAAP135700	691953.6	92600.02	04/13/11	4	5					0.25	0.25	U
IAAP135696	IAAP135701	691953.6	92600.02	04/13/11	5	6					0.25	0.25	U
IAAP135702	IAAP135702	691943.2	92622.73	04/13/11	0	1					0.25	0.25	UJ
IAAP135702	IAAP135703	691943.2	92622.73	04/13/11	1	2					0.25	0.25	UJ
IAAP135702	IAAP135704	691943.2	92622.73	04/13/11	2	3					0.25	0.25	UJ
IAAP135702	IAAP135705	691943.2	92622.73	04/13/11	3	4					0.25	0.25	UJ
IAAP135702	IAAP135706	691943.2	92622.73	04/13/11	4	5					0.25	0.25	UJ
IAAP135702	IAAP135707	691943.2	92622.73	04/13/11	5	6					0.25	0.25	UJ
IAAP135708	IAAP135708	691942.51	92624.81	04/13/11	0	1					0.25	0.25	UJ
IAAP135708	IAAP135709	691942.51	92624.81	04/13/11	1	2					0.25	0.25	UJ
IAAP135708	IAAP135710	691942.51	92624.81	04/13/11	2	3					0.06	0.25	J
IAAP135708	IAAP135711	691942.51	92624.81	04/13/11	3	4					0.25	0.25	UJ
IAAP135708	IAAP135712	691942.51	92624.81	04/13/11	4	5					0.25	0.25	UJ
IAAP135708	IAAP135713	691942.51	92624.81	04/13/11	5	6					0.25	0.25	UJ
IAAP135714	IAAP135714	691941.17	92628.8	04/13/11	0	1					0.06	0.25	J
IAAP135714	IAAP135715	691941.17	92628.8	04/13/11	1	2					0.30	0.25	J
IAAP135714	IAAP135716	691941.17	92628.8	04/13/11	2	3					0.34	0.25	J
IAAP135714	IAAP135717	691941.17	92628.8	04/13/11	3	4					0.47	0.25	J
IAAP135714	IAAP135718	691941.17	92628.8	04/13/11	4	5					0.12	0.25	J
IAAP135714	IAAP135719	691941.17	92628.8	04/13/11	5	6					0.16	0.25	J
IAAP135720	IAAP135720	691939.44	92633.99	04/13/11	0	1					0.63	0.25	J
IAAP135720	IAAP135721	691939.44	92633.99	04/13/11	1	2					0.67	0.25	=
IAAP135720	IAAP135722	691939.44	92633.99	04/13/11	2	3					0.70	0.25	=
IAAP135720	IAAP135723	691939.44	92633.99	04/13/11	3	4					0.99	0.25	=
IAAP135720	IAAP135724	691939.44	92633.99	04/13/11	4	5					0.66	0.25	=
IAAP135720	IAAP135725	691939.44	92633.99	04/13/11	5	6					0.47	0.25	=
IAAP135726	IAAP135726	691938.97	92635.4	04/13/11	0	1					0.26	0.25	=
IAAP135726	IAAP135727	691938.97	92635.4	04/13/11	1	2					0.78	0.25	=
IAAP135726	IAAP135728	691938.97	92635.4	04/13/11	2	3					0.68	0.25	=
IAAP135726	IAAP135729	691938.97	92635.4	04/13/11	3	4					0.36	0.25	=
IAAP135726	IAAP135730	691938.97	92635.4	04/13/11	4	5					0.41	0.25	=
IAAP135726	IAAP135731	691938.97	92635.4	04/13/11	5	6					0.10	0.25	=
IAAP135732	IAAP135732	691935	92647.27	04/13/11	0	1					0.25	0.25	U
IAAP135732	IAAP135733	691935	92647.27	04/13/11	1	2					0.11	0.25	=
IAAP135732	IAAP135734	691935	92647.27	04/13/11	2	3					0.07	0.25	=
IAAP135732	IAAP135735	691935	92647.27	04/13/11	3	4					0.35	0.25	=
IAAP135732	IAAP135736	691935	92647.27	04/13/11	4	5					0.54	0.25	=
IAAP135732	IAAP135737	691935	92647.27	04/13/11	5	6					0.39	0.25	=
IAAP135738	IAAP135738	691931.22	92658.59	04/14/11	0	1					19.00	0.25	=
IAAP135738	IAAP135739	691931.22	92658.59	04/14/11	1	2					4.00	0.25	=
IAAP135738	IAAP135740	691931.22	92658.59	04/14/11	2	3					0.54	0.25	=

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	HMX		
											Result	DL	VQ
IAAP135738	IAAP135741	691931.22	92658.59	04/14/11	3	4					5.60	0.25	=
IAAP135738	IAAP135742	691931.22	92658.59	04/14/11	4	5					0.97	0.25	=
IAAP135738	IAAP135743	691931.22	92658.59	04/14/11	5	6					0.74	0.25	=
IAAP135744	IAAP135744	691926.8	92671.89	04/14/11	0	1					0.23	0.25	J
IAAP135744	IAAP135745	691926.8	92671.89	04/14/11	1	2					0.78	0.25	=
IAAP135744	IAAP135746	691926.8	92671.89	04/14/11	2	3					1.20	0.25	=
IAAP135744	IAAP135747	691926.8	92671.89	04/14/11	3	4					1.20	0.25	=
IAAP135744	IAAP135748	691926.8	92671.89	04/14/11	4	5					0.89	0.25	=
IAAP135744	IAAP135749	691926.8	92671.89	04/14/11	5	6					0.73	0.25	=
IAAP135750	IAAP135750	691925.92	92674.48	04/14/11	0	1					0.46	0.25	=
IAAP135750	IAAP135751	691925.92	92674.48	04/14/11	1	2					0.31	0.25	=
IAAP135750	IAAP135752	691925.92	92674.48	04/14/11	2	3					0.13	0.25	J
IAAP135750	IAAP135753	691925.92	92674.48	04/14/11	3	4					0.25	0.25	U
IAAP135750	IAAP135754	691925.92	92674.48	04/14/11	4	5					0.25	0.25	U
IAAP135750	IAAP135755	691925.92	92674.48	04/14/11	5	6					0.25	0.25	U
IAAP135756	IAAP135756	691923.6	92681.41	04/14/11	0	1					0.25	0.25	U
IAAP135756	IAAP135757	691923.6	92681.41	04/14/11	1	2					0.08	0.25	J
IAAP135756	IAAP135758	691923.6	92681.41	04/14/11	2	3					0.04	0.25	J
IAAP135756	IAAP135759	691923.6	92681.41	04/14/11	3	4					0.10	0.25	J
IAAP135756	IAAP135760	691923.6	92681.41	04/14/11	4	5					0.09	0.25	J
IAAP135756	IAAP135761	691923.6	92681.41	04/14/11	5	6					0.12	0.25	J
IAAP135762	IAAP135762	691918.6	92696.36	04/14/11	0	1					0.25	0.25	U
IAAP135762	IAAP135763	691918.6	92696.36	04/14/11	1	2					0.25	0.25	U
IAAP135762	IAAP135764	691918.6	92696.36	04/14/11	2	3					0.25	0.25	U
IAAP135762	IAAP135765	691918.6	92696.36	04/14/11	3	4					0.25	0.25	U
IAAP135762	IAAP135766	691918.6	92696.36	04/14/11	4	5					0.25	0.25	U
IAAP135762	IAAP135767	691918.6	92696.36	04/14/11	5	6					0.25	0.25	U
IAAP135768	IAAP135768	691912.95	92713.28	04/14/11	0	1					0.25	0.25	U
IAAP135768	IAAP135769	691912.95	92713.28	04/14/11	1	2					0.25	0.25	U
IAAP135768	IAAP135770	691912.95	92713.28	04/14/11	2	3					0.25	0.25	U
IAAP135768	IAAP135771	691912.95	92713.28	04/14/11	3	4					0.25	0.25	U
IAAP135768	IAAP135772	691912.95	92713.28	04/14/11	4	5					0.25	0.25	U
IAAP135768	IAAP135773	691912.95	92713.28	04/14/11	5	6					0.25	0.25	U
IAAP135774	IAAP135774	691910.4	92720.78	04/14/11	0	1					0.25	0.25	U
IAAP135774	IAAP135775	691910.4	92720.78	04/14/11	1	2					0.25	0.25	U
IAAP135774	IAAP135776	691910.4	92720.78	04/14/11	2	3					0.15	0.25	J
IAAP135774	IAAP135777	691910.4	92720.78	04/14/11	3	4					0.08	0.25	J
IAAP135774	IAAP135778	691910.4	92720.78	04/14/11	4	5					0.25	0.25	U
IAAP135774	IAAP135779	691910.4	92720.78	04/14/11	5	6					0.25	0.25	U
IAAP135780	IAAP135780	691914.76	92728.82	04/14/11	0	1					0.67	0.25	=
IAAP135780	IAAP135781	691914.76	92728.82	04/14/11	1	2					0.46	0.25	=

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	HMX		
											Result	DL	VQ
IAAP135780	IAAP135782	691914.76	92728.82	04/14/11	2	3					0.47	0.25	=
IAAP135780	IAAP135783	691914.76	92728.82	04/14/11	3	4					0.60	0.25	=
IAAP135780	IAAP135784	691914.76	92728.82	04/14/11	4	5					0.43	0.25	=
IAAP135780	IAAP135785	691914.76	92728.82	04/14/11	5	6					0.16	0.25	J
IAAP135786	IAAP135786	691924.4	92732.09	04/14/11	0	1					0.25	0.25	U
IAAP135786	IAAP135787	691924.4	92732.09	04/14/11	1	2					0.25	0.25	U
IAAP135786	IAAP135788	691924.4	92732.09	04/14/11	2	3					0.25	0.25	U
IAAP135786	IAAP135789	691924.4	92732.09	04/14/11	3	4					0.25	0.25	U
IAAP135786	IAAP135790	691924.4	92732.09	04/14/11	4	5					0.25	0.25	U
IAAP135630	IAAP135798	691983.2	92499.09	04/12/11	3.5	4					0.25	0.25	U
IAAP135774	IAAP135801	691910.4	92720.78	04/14/11	8.5	8.9					0.07	0.25	J
IAAP136603	IAAP136603	691990.48	93027.37	05/04/11	0	1					0.25	0.25	U
IAAP136603	IAAP136604	691990.48	93027.37	05/04/11	1	2					0.25	0.25	U
IAAP136603	IAAP136607	691990.48	93027.37	05/04/11	4	5					0.66	0.25	=
IAAP136603	IAAP136608	691990.48	93027.37	05/04/11	5	6					1.10	0.25	=
IAAP136615	IAAP136615	692002.23	92440.11	05/04/11	0	1					0.25	0.25	U
IAAP136615	IAAP136616	692002.23	92440.11	05/04/11	1	2					0.25	0.25	U
IAAP136615	IAAP136617	692002.23	92440.11	05/04/11	2	3					0.25	0.25	U
IAAP136615	IAAP136618	692002.23	92440.11	05/04/11	3	4					0.25	0.25	U
IAAP136615	IAAP136619	692002.23	92440.11	05/04/11	4	5					0.25	0.25	U
IAAP136615	IAAP136620	692002.23	92440.11	05/04/11	5	6					0.25	0.25	U
IAAP136621	IAAP136621	692000.16	92433.35	05/03/11	0	1					3.20	0.25	=
IAAP136621	IAAP136622	692000.16	92433.35	05/03/11	1	2					0.05	0.25	J
IAAP136621	IAAP136623	692000.16	92433.35	05/03/11	2	3					0.25	0.25	U
IAAP136621	IAAP136626	692000.16	92433.35	05/03/11	5	6					0.07	0.25	J
IAAP136627	IAAP136627	691984.57	92430.72	05/04/11	0	1					0.19	0.25	J
IAAP136627	IAAP136628	691984.57	92430.72	05/04/11	1	2					0.24	0.25	J
IAAP136627	IAAP136629	691984.57	92430.72	05/04/11	2	3					0.24	0.25	J
IAAP136627	IAAP136630	691984.57	92430.72	05/04/11	3	4					0.29	0.25	=
IAAP136627	IAAP136631	691984.57	92430.72	05/04/11	4	5					0.28	0.25	=
IAAP136627	IAAP136632	691984.57	92430.72	05/04/11	5	6					0.17	0.25	J
IAAP136633	IAAP136633	692028.24	92370.53	05/04/11	0	1					12.00	0.25	=
IAAP136633	IAAP136634	692028.24	92370.53	05/04/11	1	2					3.20	0.25	=
IAAP136633	IAAP136635	692028.24	92370.53	05/04/11	2	3					0.78	0.25	=
IAAP136633	IAAP136636	692028.24	92370.53	05/04/11	3	4					0.71	0.25	=
IAAP136633	IAAP136637	692028.24	92370.53	05/04/11	4	5					0.32	0.25	=
IAAP136633	IAAP136638	692028.24	92370.53	05/04/11	5	6					0.17	0.25	J
IAAP136639	IAAP136639	692028.32	92354.72	05/04/11	0	1					0.10	0.25	J
IAAP136639	IAAP136640	692028.32	92354.72	05/04/11	1	2					0.30	0.25	=
IAAP136639	IAAP136641	692028.32	92354.72	05/04/11	2	3					0.33	0.25	=
IAAP136639	IAAP136642	692028.32	92354.72	05/04/11	3	4					0.27	0.25	=

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	HMX		
											Result	DL	VQ
IAAP136639	IAAP136643	692028.32	92354.72	05/04/11	4	5					0.26	0.25	=
IAAP136639	IAAP136644	692028.32	92354.72	05/04/11	5	6					0.25	0.25	U
IAAP136654	IAAP136654	691990.21	92473.36	05/02/11	5	6					0.25	0.25	U
IAAP136656	IAAP136656	691972.56	92463.97	05/03/11	5	6					0.39	0.25	=
IAAP136658	IAAP136658	692002.51	92428.93	05/04/11	0	1					0.11	0.25	J
IAAP136663	IAAP136663	692014.03	92365.71	05/03/11	5	6					0.25	0.25	U
IAAP136664	IAAP136664	692018.77	92367.32	05/04/11	0	1					0.09	0.25	J
IAAP136664	IAAP136665	692018.77	92367.32	05/04/11	1	2					0.09	0.25	J
IAAP136664	IAAP136666	692018.77	92367.32	05/04/11	2	3					0.14	0.25	J
IAAP136664	IAAP136667	692018.77	92367.32	05/04/11	3	4					0.23	0.25	J
IAAP136664	IAAP136668	692018.77	92367.32	05/04/11	4	5					0.19	0.25	J
IAAP136664	IAAP136669	692018.77	92367.32	05/04/11	5	6					0.18	0.25	J
IAAP136670	IAAP136670	692034.54	92374.38	05/03/11	0	1					0.25	0.25	U
IAAP136670	IAAP136671	692034.54	92374.38	05/03/11	1	2					0.25	0.25	U
IAAP136670	IAAP136672	692034.54	92374.38	05/03/11	2	3					0.25	0.25	U
IAAP136670	IAAP136673	692034.54	92374.38	05/03/11	3	4					0.25	0.25	U
IAAP136670	IAAP136674	692034.54	92374.38	05/03/11	4	5					0.25	0.25	U
IAAP136670	IAAP136675	692034.54	92374.38	05/03/11	5	6					0.25	0.25	U
IAAP136676	IAAP136676	691938	92733.88	05/16/11	0	1					0.25	0.25	U
IAAP136677	IAAP136677	691930.96	92723.63	05/16/11	0	1					0.25	0.25	U
IAAP136678	IAAP136678	691973.09	92556.21	05/18/11	5	6					0.25	0.25	U
IAAP136679	IAAP136679	691958.86	92551.46	05/17/11	0	1					0.25	0.25	U
IAAP136681	IAAP136681	691961.63	92544.56	05/17/11	2	3					0.25	0.25	U
IAAP136682	IAAP136682	691989.82	92522.98	05/17/11	0.5	1.5					0.25	0.25	U
IAAP136683	IAAP136683	691981.92	92515.07	05/18/11	0	1					62.00	0.25	=
IAAP136683	IAAP136684	691981.92	92515.07	05/18/11	4	5					1.50	0.25	=
IAAP136685	IAAP136685	691970.85	92516.65	05/17/11	0	1					0.25	0.25	U
IAAP136686	IAAP136686	691983.5	92510.33	05/17/11	0	1					0.18	0.25	J
IAAP136686	IAAP136687	691983.5	92510.33	05/17/11	1	2					0.25	0.25	U
IAAP136686	IAAP136688	691983.5	92510.33	05/17/11	2	3					0.09	0.25	J
IAAP136686	IAAP136689	691983.5	92510.33	05/17/11	3	4					0.05	0.25	J
IAAP136686	IAAP136690	691983.5	92510.33	05/17/11	4	5					0.04	0.25	J
IAAP136686	IAAP136691	691983.5	92510.33	05/17/11	5	6					0.04	0.25	J
IAAP136775	IAAP136775	691933.21	92732.44	05/18/11	0	1					0.25	0.25	U
IAAP136775	IAAP136776	691933.21	92732.44	05/18/11	1	2					0.25	0.25	U
IAAP136775	IAAP136777	691933.21	92732.44	05/18/11	2	3					0.25	0.25	U
IAAP136775	IAAP136778	691933.21	92732.44	05/18/11	3	4					0.25	0.25	U
IAAP136775	IAAP136779	691933.21	92732.44	05/18/11	4	5					0.25	0.25	U
IAAP136775	IAAP136780	691933.21	92732.44	05/18/11	5	6					0.25	0.25	U
IAAP136781	IAAP136781	691929.35	92728.37	05/18/11	0	1					0.25	0.25	U
IAAP136781	IAAP136782	691929.35	92728.37	05/18/11	1	2					0.25	0.25	U

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	HMX		
											Result	DL	VQ
IAAP136781	IAAP136783	691929.35	92728.37	05/18/11	2	3					0.25	0.25	U
IAAP136781	IAAP136784	691929.35	92728.37	05/18/11	3	4					0.25	0.25	U
IAAP136781	IAAP136785	691929.35	92728.37	05/18/11	4	5					0.25	0.25	U
IAAP136781	IAAP136786	691929.35	92728.37	05/18/11	5	6					0.25	0.25	U
IAAP136787	IAAP136787	691976.83	92560.81	05/17/11	0	1					0.25	0.25	U
IAAP136787	IAAP136788	691976.83	92560.81	05/17/11	1	2					0.25	0.25	U
IAAP136787	IAAP136789	691976.83	92560.81	05/17/11	2	3					0.25	0.25	U
IAAP136787	IAAP136790	691976.83	92560.81	05/17/11	3	4					0.25	0.25	U
IAAP136787	IAAP136791	691976.83	92560.81	05/17/11	4	5					0.25	0.25	U
IAAP136787	IAAP136792	691976.83	92560.81	05/17/11	5	6					0.25	0.25	U
IAAP136793	IAAP136793	691963.6	92553.05	05/18/11	0	1					0.25	0.25	U
IAAP136793	IAAP136794	691963.6	92553.05	05/18/11	1	2					0.07	0.25	J
IAAP136793	IAAP136795	691963.6	92553.05	05/18/11	2	3					0.25	0.25	U
IAAP136793	IAAP136796	691963.6	92553.05	05/18/11	3	4					0.25	0.25	U
IAAP136793	IAAP136797	691963.6	92553.05	05/18/11	4	5					0.25	0.25	U
IAAP136793	IAAP136798	691963.6	92553.05	05/18/11	5	6					0.25	0.25	U
IAAP136799	IAAP136799	691985.08	92553.02	05/17/11	0	1					0.12	0.25	J
IAAP136799	IAAP136800	691985.08	92553.02	05/17/11	1	2					0.28	0.25	=
IAAP136799	IAAP136801	691985.08	92553.02	05/17/11	2	3					0.24	0.25	J
IAAP136799	IAAP136802	691985.08	92553.02	05/17/11	3	4					0.07	0.25	J
IAAP136799	IAAP136803	691985.08	92553.02	05/17/11	4	5					0.06	0.25	J
IAAP136799	IAAP136804	691985.08	92553.02	05/17/11	5	6					0.25	0.25	U
IAAP136805	IAAP136805	691974.27	92538.23	05/17/11	0	1					0.28	0.25	=
IAAP136805	IAAP136806	691974.27	92538.23	05/17/11	1	2					0.25	0.25	U
IAAP136805	IAAP136807	691974.27	92538.23	05/17/11	2	3					0.25	0.25	U
IAAP136805	IAAP136808	691974.27	92538.23	05/17/11	3	4					0.09	0.25	J
IAAP136805	IAAP136809	691974.27	92538.23	05/17/11	4	5					0.63	0.25	=
IAAP136805	IAAP136810	691974.27	92538.23	05/17/11	5	6					0.25	0.25	U
IAAP136811	IAAP136811	691970.78	92548.09	05/17/11	0	1					0.21	0.25	J
IAAP136811	IAAP136812	691970.78	92548.09	05/17/11	1	2					0.19	0.25	J
IAAP136811	IAAP136813	691970.78	92548.09	05/17/11	2	3					0.30	0.25	=
IAAP136811	IAAP136814	691970.78	92548.09	05/17/11	3	4					0.22	0.25	J
IAAP136811	IAAP136815	691970.78	92548.09	05/17/11	4	5					0.13	0.25	J
IAAP136811	IAAP136816	691970.78	92548.09	05/17/11	5	6					0.09	0.25	J
IAAP136817	IAAP136817	691966.07	92544.14	05/17/11	0	1					0.25	0.25	U
IAAP136817	IAAP136818	691966.07	92544.14	05/17/11	1	2					0.25	0.25	U
IAAP136817	IAAP136819	691966.07	92544.14	05/17/11	2	3					0.25	0.25	U
IAAP136817	IAAP136820	691966.07	92544.14	05/17/11	3	4					0.06	0.25	J
IAAP136817	IAAP136821	691966.07	92544.14	05/17/11	4	5					0.08	0.25	J
IAAP136817	IAAP136822	691966.07	92544.14	05/17/11	5	6					0.07	0.25	J
IAAP136823	IAAP136823	691994.57	92524.56	05/18/11	1	2					0.25	0.25	U

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	HMX		
											Result	DL	VQ
IAAP136823	IAAP136824	691994.57	92524.56	05/18/11	2	3					0.25	0.25	U
IAAP136823	IAAP136825	691994.57	92524.56	05/18/11	3	4					0.25	0.25	U
IAAP136823	IAAP136826	691994.57	92524.56	05/18/11	4	5					0.25	0.25	U
IAAP136823	IAAP136827	691994.57	92524.56	05/18/11	5	6					0.25	0.25	U
IAAP136823	IAAP136828	691994.57	92524.56	05/18/11	6	7					0.25	0.25	U
IAAP137255	IAAP137255	691975.59	92518.24	05/18/11	0	1					0.25	0.25	U
IAAP137255	IAAP137256	691975.59	92518.24	05/18/11	1	2					0.25	0.25	U
IAAP137255	IAAP137257	691975.59	92518.24	05/18/11	2	3					0.25	0.25	U
IAAP137255	IAAP137258	691975.59	92518.24	05/18/11	3	4					0.25	0.25	U
IAAP137255	IAAP137259	691975.59	92518.24	05/18/11	4	5					0.25	0.25	U
IAAP137255	IAAP137260	691975.59	92518.24	05/18/11	5	6					0.25	0.25	U
IAAP96925	IAAP96925	692027	92844.46	10/26/06	0	0.5					0.35	0.35	U
IAAP96926	IAAP96926	692014.91	92844.8	10/26/06	0	0.5					0.35	0.35	U
IAAP96928	IAAP96928	691998.35	92979.48	10/26/06	0	0.5					0.35	0.35	U
IAAP96929	IAAP96929	691966.49	92969.51	10/26/06	0	0.5					0.34	0.34	U
IAAP96934	IAAP96934	COMPOSITE	COMPOSITE	11/15/06	0	0.5					0.29	0.29	UJ
IAAP96935	IAAP96935	691894.02	93328.08	11/15/06	0	0.5					0.28	0.28	UJ
IAAP96936	IAAP96936	COMPOSITE	COMPOSITE	11/15/06	0	0.5					0.34	0.34	UJ
IAAP96937	IAAP96937	COMPOSITE	COMPOSITE	11/13/06	0	0.5					0.12	0.28	=
IAAP96938	IAAP96938	691840.29	93270.4	11/13/06	0	0.5					0.33	0.33	UJ
IAAP96939	IAAP96939	691831.83	93298.23	11/13/06	0	0.5					0.27	0.27	UJ
IAAP96940	IAAP96940	691832.3	93342.32	11/13/06	0	0.5					0.28	0.28	UJ
IAAP96941	IAAP96941	691814.66	93317.23	11/13/06	0	0.5					0.32	0.32	UJ
IAAP96942	IAAP96942	691838.97	93244.84	11/13/06	0	0.5					0.31	0.31	UJ
IAAP96949	IAAP96949	692113.04	93092.9	11/15/06	0	0.5					0.31	0.31	UJ
IAAP96950	IAAP96950	COMPOSITE	COMPOSITE	11/15/06	0	0.5					0.32	0.32	UJ
IAAP96951	IAAP96951	COMPOSITE	COMPOSITE	11/15/06	0	0.5					0.31	0.31	UJ
IAAP96952	IAAP96952	692127.71	93042.61	11/15/06	0	0.5					0.26	0.26	UJ
IAAP96953	IAAP96953	692116.38	93011.84	11/15/06	0	0.5					0.30	0.3	UJ
IAAP96954	IAAP96954	692116.26	92981.47	11/15/06	0	0.5					0.28	0.28	UJ
IAAP96955	IAAP96955	692175.68	92981.55	11/15/06	0	0.5					0.07	0.32	=
IAAP96956	IAAP96956	COMPOSITE	COMPOSITE	11/15/06	0	0.5					0.31	0.31	UJ
IAAP96957	IAAP96957	692056.98	93146.93	11/15/06	0	0.5					0.34	0.34	UJ
IAAP96958	IAAP96958	692074.54	93130.61	11/15/06	0	0.5					0.12	0.35	J
IAAP96959	IAAP96959	COMPOSITE	COMPOSITE	11/14/06	0	0.5					0.30	0.3	UJ
IAAP96960	IAAP96960	692088.53	93112.41	11/15/06	0	0.5					0.32	0.32	UJ
IAAP96961	IAAP96961	COMPOSITE	COMPOSITE	11/13/06	0	0.5					0.31	0.31	UJ
IAAP96962	IAAP96962	COMPOSITE	COMPOSITE	11/13/06	0	0.5					0.31	0.31	UJ
IAAP96963	IAAP96963	COMPOSITE	COMPOSITE	11/13/06	0	0.5					0.06	0.29	=
IAAP96964	IAAP96964	691985.83	93063.1	11/13/06	0	0.5					0.31	0.31	UJ
IAAP96965	IAAP96965	691993.8	93029.94	11/13/06	0	0.5					0.26	0.26	UJ

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	HMX		
											Result	DL	VQ
IAAP96966	IAAP96966	691954.93	93007.81	11/13/06	0	0.5					0.32	0.32	UJ
IAAP96967	IAAP96967	691937	93039	11/13/06	0	0.5					0.26	0.26	UJ
IAAP96968	IAAP96968	691938.96	93067.14	11/13/06	0	0.5					0.26	0.26	UJ
IAAP96969	IAAP96969	691938.96	93067.14	11/13/06	1	2					0.31	0.31	UJ
IAAP96970	IAAP96970	691909.48	93056.65	11/13/06	0	0.5					0.33	0.33	UJ
IAAP96976	IAAP96976	COMPOSITE	COMPOSITE	11/14/06	0	0.5					0.33	0.33	UJ
IAAP96977	IAAP96977	COMPOSITE	COMPOSITE	11/14/06	0	0.5					0.37	0.37	UJ
IAAP96979	IAAP96979	691795.01	93119.57	11/14/06	0	0.5					0.32	0.32	UJ
IAAP96980	IAAP96980	691808.87	93106.84	11/14/06	0	0.5					0.27	0.27	UJ
IAAP96988	IAAP96988	691954.34	92114.71	11/14/06	0	0.5					0.27	0.27	UJ
IAAP96989	IAAP96989	691876.63	92299.46	11/14/06	0	0.5					0.31	0.31	UJ
IAAP96992	IAAP96992	COMPOSITE	COMPOSITE	11/14/06	0	0.5					0.28	0.28	UJ
IAAP96994	IAAP96994	691857.33	92413.74	11/14/06	0	0.5					0.28	0.28	UJ
IAAP96995	IAAP96995	691870.98	92410.67	11/14/06	0	0.5					0.30	0.3	UJ
IAAP96996	IAAP96996	COMPOSITE	COMPOSITE	11/14/06	0	0.5					0.32	0.32	UJ
IAAP96997	IAAP96997	691844.39	92407.27	11/14/06	0	0.5					0.28	0.28	UJ
IAAP96998	IAAP96998	691728	93303	11/14/06	0	0.5					0.27	0.27	UJ
IAAP97000	IAAP97000	691786.4	93115.72	11/14/06	0	0.5					0.33	0.33	UJ
IAAP97001	IAAP97001	691872	93010	12/18/06	0	0.5					0.07	0.28	J
IAAP97002	IAAP97002	691884	93003	12/18/06	0	0.5					0.37	0.27	J
IAAP97003	IAAP97003	691888	92995	12/18/06	0	0.5					0.76	0.31	J
IAAP97004	IAAP97004	691895	92793	12/19/06	0	0.5					0.70	0.33	=
IAAP97005	IAAP97005	691902	92791	12/19/06	0	0.5					0.06	0.31	=
IAAP97006	IAAP97006	691908	92794	12/19/06	0	0.5					0.31	0.31	U
IAAP97007	IAAP97007	691925	92795	12/19/06	0	0.5					0.32	0.32	U
IAAP97008	IAAP97008	691894	92818	12/19/06	0	0.5					0.08	0.32	J
IAAP97009	IAAP97009	691903	92823	12/19/06	0	0.5					0.31	0.31	U
IAAP97010	IAAP97010	691891	92892	12/19/06	0	0.5					0.31	0.31	U
IAAP97011	IAAP97011	691900	92879	12/19/06	0	0.5					0.32	0.32	U
IAAP97012	IAAP97012	691889	92913	12/19/06	0	0.5					0.33	0.33	U
IAAP97013	IAAP97013	691813	92905	12/18/06	0	0.5					0.28	0.28	UJ
IAAP97014	IAAP97014	691785	92886	12/18/06	0	0.5					0.94	0.38	J
IAAP97015	IAAP97015	691688	92824	12/18/06	0	0.5					0.05	0.26	J
IAAP97016	IAAP97016	691683	92887	12/18/06	0	0.5					0.33	0.33	UJ
IAAP97017	IAAP97017	691680	92894	12/18/06	0	0.5					0.30	0.3	UJ
IAAP97018	IAAP97018	691694	92881	12/18/06	0	0.5					0.35	0.35	UJ
IAAP97020	IAAP97020	691695	92744	12/18/06	0	0.5					0.33	0.33	UJ
IAAP97021	IAAP97021	691719	92718	12/18/06	0	0.5					0.34	0.34	UJ
IAAP97022	IAAP97022	691753	92650	12/18/06	0	0.5					0.32	0.32	UJ
IAAP97023	IAAP97023	691750	92660	12/18/06	0	0.5					0.35	0.35	UJ
IAAP97024	IAAP97024	691745	92709	12/18/06	0	0.5					0.33	0.33	UJ

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	HMX		
											Result	DL	VQ
IAAP97025	IAAP97025	691718	92783	12/18/06	0	0.5					0.33	0.33	UJ
IAAP97026	IAAP97026	691811	92938	12/18/06	0	0.5					0.63	0.34	J
IAAP97027	IAAP97027	691942	92676	12/19/06	0	0.5					0.33	0.33	U
IAAP97029	IAAP97029	691930	92683	12/19/06	0	0.5					0.33	0.33	U
IAAP97036	IAAP97036	692052.2	92417.45	12/19/06	0	0.5					0.27	0.27	U
IAAP97037	IAAP97037	692060	92421.6	12/19/06	0	0.5					0.28	0.28	U
IAAP97038	IAAP97038	692004	92424	12/19/06	0	0.5					0.21	0.34	J
IAAP97039	IAAP97039	692142.8	92156	12/19/06	0	0.5					1.00	0.31	=
IAAP97040	IAAP97040	692146	92149	12/19/06	0	0.5					0.09	0.33	=
IAAP97041	IAAP97041	692132.3	92131.1	12/19/06	0	0.5					0.28	0.28	U
IAAP97045	IAAP97045	692065	92323	12/19/06	0	0.5					2.20	0.3	=
IAAP97046	IAAP97046	692051	92339	12/19/06	0	0.5					0.33	0.33	U
IAAP97048	IAAP97048	692140.2	92094.9	12/19/06	0	0.5					0.29	0.29	U
IAAP97049	IAAP97049	691998	92245	12/19/06	0	0.5					0.04	0.33	J
IAAP98247	IAAP98247	691977	92312	12/19/06	0	0.5					0.21	0.35	=
IAAP98250	IAAP98250	691732	92354	12/20/06	0	0.5					0.37	0.37	U
IAAP98251	IAAP98251	691761	92310	12/20/06	0	0.5					0.32	0.32	U
IAAP98253	IAAP98253	691755	92246	12/20/06	0	0.5					0.32	0.32	U
IAAP98254	IAAP98254	691702	92289	12/20/06	0	0.5					0.42	0.42	U
IAAP98260	IAAP98260	691719	92537	12/18/06	0	0.5					0.30	0.3	UJ
IAAP98261	IAAP98261	691626	92692	12/18/06	0	0.5					0.31	0.31	UJ
IAAP98262	IAAP98262	691633	92751	12/18/06	0	0.5					0.34	0.34	UJ
IAAP98263	IAAP98263	691582	92869	12/18/06	0	0.5					0.95	0.95	UJ
IAAP98264	IAAP98264	691518	93097	12/18/06	0	0.5					0.41	0.41	UJ
IAAP98266	IAAP98266	691878	92578	12/18/06	0	0.5					0.32	0.32	UJ
IAAP98273	IAAP98273	692131	92072.7	12/19/06	0	0.5					0.32	0.32	U
IAAP99934	IAAP99934	692030.09	92396.58	04/16/07	0	1					0.31	0.31	U
IAAP99934	IAAP99935	692030.09	92396.58	04/16/07	1	2					0.32	0.32	U
IAAP99936	IAAP99936	692027.39	92394.07	04/16/07	0	1					0.33	0.33	U
IAAP99936	IAAP99937	692027.39	92394.07	04/16/07	1	2					0.32	0.32	U
IAAP99938	IAAP99938	691747.48	92260.65	04/15/07	0	0.5					0.30	0.3	U
IAAP99939	IAAP99939	691743.59	92262.02	04/15/07	0	0.5					0.32	0.32	U
IAAP99940	IAAP99940	691708.65	92265.87	04/15/07	0	0.5					0.35	0.35	U
IAAP99941	IAAP99941	691700.52	92270.71	04/15/07	0	0.5					0.66	0.66	U
IAAP99942	IAAP99942	692058.69	92404.33	04/16/07	0	0.5					0.27	0.27	U
IAAP99959	IAAP99959	692014.14	92937.77	06/05/07	3	4					0.29	0.29	U
IAAP99960	IAAP99960	692001.22	92882.79	06/05/07	2	2.5					0.27	0.27	U
IAAP100071	IAAP99962	691694.48	92747.08	06/05/07	2	3					0.31	0.31	UJ
100101	L1101001	691685	93330		0.0	1.0							
100101	L1101002	691685	93330		1.0	2.0					2.200	2.2	U
100101	L1101003	691685	93330		2.0	4.0					2.200	2.2	U

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	HMX		
											Result	DL	VQ
100101	L1101004	691685	93330		4.0	6.0					2.200	2.2	U
100102	L1101005	691685	93369		0.0	1.0							
100102	L1101006	691685	93369		1.0	2.0					2.200	2.2	U
100102	L1101007	691685	93369		2.0	4.0					2.200	2.2	U
100102	L1101008	691685	93369		4.0	6.0					2.200	2.2	U
100103	L1101009	691723	93308		0.0	1.0							
100103	L1101010	691723	93308		1.0	2.0					2.200	2.2	U
100103	L1101011	691723	93308		2.0	4.0					2.200	2.2	U
100103	L1101012	691723	93308		4.0	6.0					2.200	2.2	U
100201	L1102001	691824	93116		1.0	2.0							
100201	L1102002	691824	93116		2.0	4.0							
100202	L1102003	691834	93110		1.0	2.0							
100202	L1102004	691834	93110		2.0	4.0							
100203	L1102005	691839	93129		1.0	2.0							
100203	L1102006	691839	93129		2.0	4.0							
100204	L1102007	691851	93109		1.0	2.0							
100204	L1102008	691851	93109		2.0	4.0							
100205	L1102009	691838	93090		1.0	2.0							
100205	L1102010	691838	93090		2.0	4.0							
100205	L1102011	691838	93090		2.0	4.0							
100206	L1102012	691842	93123		1.0	2.0							
100206	L1102013	691842	93123		2.0	4.0							
100302	L1103005	691754	93117		0.0	1.0							
100302	L1103006	691754	93117		1.0	2.0					2.200	2.2	U
100302	L1103007	691754	93117		2.0	4.0					2.200	2.2	U
100302	L1103008	691754	93117		4.0	6.0					2.200	2.2	U
100303	L1103009	691803	93111		0.0	1.0							
100303	L1103010	691803	93111		1.0	2.0					2.200	2.2	U
100303	L1103011	691803	93111		2.0	4.0					2.200	2.2	U
100303	L1103012	691803	93111		4.0	6.0					2.200	2.2	U
100304	L1103013	691776	93096		0.0	1.0							
100304	L1103014	691776	93096		1.0	2.0					2.200	2.2	U
100304	L1103015	691776	93096		2.0	4.0					2.200	2.2	U
100304	L1103016	691776	93096		2.0	4.0					2.200	2.2	U
100304	L1103017	691776	93096		4.0	6.0					2.200	2.2	U
100305	L1103018	692112	92187		0.0	1.0							
100305	L1103019	692112	92187		1.0	2.0					2.200	2.2	U
100305	L1103020	692112	92187		2.0	4.0					2.200	2.2	U
100305	L1103021	692112	92187		4.0	6.0					2.200	2.2	U
100401	L1104001	691772	93135		0.0	1.0							
100401	L1104002	691772	93135		1.0	2.0					2.200	2.2	U

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	HMX		
											Result	DL	VQ
100401	L1104003	691772	93135		2.0	4.0					2.200	2.2	U
100401	L1104004	691772	93135		4.0	6.0					2.200	2.2	U
100402	L1104005	691742	93216		0.0	1.0							
100402	L1104006	691742	93216		1.0	2.0					2.200	2.2	U
100402	L1104007	691742	93216		2.0	4.0					2.200	2.2	U
100402	L1104008	691742	93216		4.0	6.0					2.200	2.2	U
100403	L1104009	691792	93152		0.0	1.0							
100403	L1104010	691792	93152		1.0	2.0					2.200	2.2	U
100403	L1104011	691792	93152		2.0	4.0					2.200	2.2	U
100403	L1104012	691792	93152		4.0	6.0					2.200	2.2	U
100404	L1104013	691796	93140		0.0	1.0							
100404	L1104014	691796	93140		1.0	2.0					2.200	2.2	U
100404	L1104015	691796	93140		2.0	4.0					2.200	2.2	U
100404	L1104016	691796	93140		4.0	6.0					2.200	2.2	U
100501	L1105001	691921	92838		0.0	1.0							
100501	L1105002	691921	92838		1.0	2.0					2.200	2.2	U
100501	L1105003	691921	92838		2.0	4.0					2.200	2.2	U
100501	L1105004	691921	92838		4.0	6.0					2.200	2.2	U
100502	L1105005	691921	92844		0.0	1.0							
100502	L1105006	691921	92844		1.0	2.0					2.200	2.2	U
100502	L1105007	691921	92844		1.0	2.0					2.200	2.2	U
100502	L1105008	691921	92844		2.0	4.0					2.100	2.1	U
100502	L1105009	691921	92844		4.0	6.0					0.330	2.2	
100503	L1105010	691915	92797		0.0	1.0							
100503	L1105011	691915	92797		1.0	2.0					2.200	2.2	U
100503	L1105012	691915	92797		2.0	4.0					2.200	2.2	U
100503	L1105013	691915	92797		4.0	6.0					2.200	2.2	U
100504	L1105014	691932	92802		0.0	1.0							
100504	L1105015	691932	92802		1.0	2.0					2.200	2.2	U
100504	L1105016	691932	92802		2.0	4.0					0.210	2.2	
100504	L1105017	691932	92802		4.0	6.0					2.200	2.2	U
100505	L1105018	691911	92799		0.0	1.0							
100505	L1105019	691911	92799		1.0	2.0					2.200	2.2	U
100505	L1105020	691911	92799		2.0	4.0					2.200	2.2	U
100505	L1105021	691911	92799		4.0	6.0					2.200	2.2	U
100506	L1105022	691896	92792		1.0	2.0					2.200	2.2	U
100506	L1105023	691896	92792		2.0	4.0					2.200	2.2	U
100506	L1105024	691896	92792		4.0	6.0					2.200	2.2	U
100509	L1105035	691899	92831		0.0	1.0							
100509	L1105036	691899	92831		1.0	2.0					0.110	2.1	
100509	L1105037	691899	92831		2.0	4.0					0.100	2.2	

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	HMX		
											Result	DL	VQ
100509	L1105038	691899	92831		4.0	6.0					2.200	2.2	U
100510	L1105055	691886	92945		0.0	1.0							
100510	L1105056	691886	92945		1.0	2.0					2.100	2.1	U
100510	L1105057	691886	92945		2.0	4.0					0.360	2.2	
100510	L1105058	691886	92945		4.0	6.0					2.200	2.2	U
100511	L1105059	691877	92995		1.0	2.0					2.000	2.2	
100511	L1105060	691877	92995		2.0	4.0					0.880	2.2	
100511	L1105061	691877	92995		2.0	4.0					1.000	2.2	
100511	L1105062	691877	92995		4.0	6.0					1.400	2.2	
100512	L1105063	691842	92972		1.0	2.0					2.200	2.2	U
100512	L1105064	691842	92972		2.0	4.0					2.200	2.2	
100512	L1105065	691842	92972		4.0	6.0					1.600	2.2	
100513	L1105066	691845	92995		1.0	2.0					2.200	2.2	U
100513	L1105067	691845	92995		2.0	4.0					2.200	2.2	U
100513	L1105068	691845	92995		2.0	4.0					2.200	2.2	U
100514	L1105069	691849	92986		1.0	2.0					2.200	2.2	U
100514	L1105070	691849	92986		2.0	4.0					2.200	2.2	U
100514	L1105071	691849	92986		4.0	5.0					2.200	2.2	U
100517	L1105079	691867	93001		0.0	1.0							
100517	L1105080	691867	93001		1.0	2.0					1.000	2.2	
100517	L1105081	691867	93001		2.0	4.0					0.290	2.2	
100517	L1105082	691867	93001		4.0	6.0					2.200	2.2	U
100519	L1105088	691864	92940		0.0	1.0							
100519	L1105089	691864	92940		1.0	2.0					2.200	2.2	U
100519	L1105090	691864	92940		2.0	4.0					2.200	2.2	U
100519	L1105091	691864	92940		4.0	6.0					2.200	2.2	U
100521	L1105096	691911	92849		0.0	1.0							
100521	L1105097	691911	92849		1.0	2.0					2.200	2.2	U
100521	L1105098	691911	92849		2.0	4.0					2.200	2.2	U
100521	L1105099	691911	92849		4.0	6.0					2.100	2.1	U
100601	L1106001	691750	92646		0.0	1.0							
100601	L1106002	691750	92646		1.0	2.0					0.190	2.2	
100601	L1106003	691750	92646		2.0	4.0					0.210	2.2	
100601	L1106004	691750	92646		2.0	4.0					0.260	2.2	
100601	L1106005	691750	92646		4.0	6.0					0.290	2.2	
100602	L1106006	691739	92639		0.0	1.0							
100602	L1106007	691739	92639		1.0	2.0					0.750	2.2	
100602	L1106008	691739	92639		2.0	4.0					0.130	2.2	
100602	L1106009	691739	92639		4.0	6.0					2.200	2.2	U
100603	L1106010	691621	93000		0.0	1.0							
100603	L1106011	691621	93000		1.0	2.0					2.100	2.1	U

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	HMX		
											Result	DL	VQ
100603	L1106012	691621	93000		2.0	4.0					2.200	2.2	U
100603	L1106013	691621	93000		4.0	6.0					2.200	2.2	U
100604	L1106014	691632	93007		0.0	1.0							
100604	L1106015	691632	93007		1.0	2.0					2.200	2.2	U
100604	L1106016	691632	93007		2.0	4.0					0.170	2.2	
100604	L1106017	691632	93007		4.0	6.0					2.200	2.2	U
100701	L1107001	692002	92830		0.0	1.0							
100701	L1107002	692002	92830		1.0	2.0					2.200	2.2	U
100701	L1107003	692002	92830		2.0	4.0					2.200	2.2	U
100702	L1107005	692023	92845		0.0	1.0							
100702	L1107006	692023	92845		1.0	2.0					2.200	2.2	U
100702	L1107007	692023	92845		2.0	4.0					2.200	2.2	U
100702	L1107008	692023	92845		4.0	6.0					2.200	2.2	U
100703	L1107009	692034	92800		0.0	1.0							
100703	L1107010	692034	92800		1.0	2.0					2.200	2.2	U
100703	L1107011	692034	92800		2.0	4.0					2.200	2.2	U
100703	L1107012	692034	92800		4.0	6.0					2.200	2.2	U
100801	L1108001	691700	92779		0.0	1.0							
100801	L1108002	691700	92779		1.0	2.0					2.100	2.1	U
100801	L1108003	691700	92779		2.0	4.0					2.200	2.2	U
100801	L1108004	691700	92779		2.0	4.0					2.100	2.1	U
100801	L1108005	691700	92779		4.0	6.0					2.200	2.2	U
100802	L1108006	691723	92706		0.0	1.0							
100802	L1108006A	691723	92706		0.0	1.0							
100802	L1108007	691723	92706		1.0	2.0					2.200	2.2	U
100802	L1108007A	691723	92706		1.0	2.0					2.200	2.2	U
100802	L1108008	691723	92706		2.0	4.0					2.200	2.2	U
100802	L1108008A	691723	92706		2.0	4.0					2.200	2.2	U
100802	L1108009	691723	92706		4.0	6.0					2.200	2.2	U
100802	L1108009A	691723	92706		4.0	6.0					2.200	2.2	U
100803	L1108010	691715	92725		0.0	1.0							
100803	L1108011	691715	92725		1.0	2.0					0.190	2.2	
100803	L1108012	691715	92725		2.0	4.0					0.190	2.2	
100803	L1108013	691715	92725		4.0	6.0					0.160	2.2	
100805	L1108018	691709	92730		0.0	1.0							
100805	L1108019	691709	92730		1.0	2.0					0.540	2.2	
100805	L1108020	691709	92730		2.0	4.0					0.870	2.2	
100805	L1108021	691709	92730		4.0	6.0					0.250	2.2	
101001	L1110001	691959	92688		0.0	1.0							
101001	L1110002	691959	92688		1.0	2.0					0.180	2.2	
101001	L1110003	691959	92688		2.0	4.0					0.200	2.2	

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	HMX		
											Result	DL	VQ
101001	L1110004	691959	92688		4.0	6.0					0.250	2.2	
101004	L1110016	691978	92653		0.0	1.0							
101004	L1110017	691978	92653		1.0	2.0					2.200	2.2	U
101004	L1110018	691978	92653		2.0	4.0					2.200	2.2	U
101004	L1110019	691978	92653		4.0	6.0					2.200	2.2	U
101005	L1110037	691993	92609		0.0	1.0							
101005	L1110038	691993	92609		1.0	2.0					0.760	2.2	
101005	L1110039	691993	92609		2.0	4.0					2.200	2.2	U
101005	L1110040	691993	92609		4.0	6.0					2.200	2.2	U
101006	L1110025	691952	92623		0.0	1.0							
101006	L1110026	691952	92623		1.0	2.0					2.200	2.2	U
101006	L1110027	691952	92623		2.0	4.0					2.200	2.2	U
101006	L1110028	691952	92623		4.0	5.0					2.200	2.2	U
101007	L1110029	691971	92576		0.0	1.0							
101007	L1110030	691971	92576		1.0	2.0					0.077	2.2	
101008	L1110033	691999	92585		0.0	1.0							
101008	L1110034	691999	92585		1.0	2.0					2.200	2.2	U
101008	L1110035	691999	92585		2.0	4.0					2.200	2.2	U
101008	L1110036	691999	92585		4.0	6.0					2.200	2.2	U
101009	L1110021	691999	92618		0.0	1.0							
101009	L1110022	691999	92618		1.0	2.0					0.540	2.2	
101009	L1110023	691999	92618		2.0	4.0					2.200	2.2	U
101009	L1110024	691999	92618		4.0	6.0					2.200	2.2	U
101101	L1111001	691809	93287		0.0	1.0							
101101	L1111002	691809	93287		1.0	2.0					2.200	2.2	U
101101	L1111003	691809	93287		2.0	4.0					2.200	2.2	U
101101	L1111004	691809	93287		4.0	6.0					2.200	2.2	U
101102	L1111005	691832	93269		0.0	1.0							
101102	L1111006	691832	93269		2.0	4.0							
101103	L1111007	691812	93314		0.0	1.0							
101103	L1111008	691812	93314		1.0	2.0					2.200	2.2	U
101103	L1111009	691812	93314		2.0	4.0					2.200	2.2	U
101103	L1111010	691812	93314		4.0	6.0					2.200	2.2	U
101104	L1111011	691845	93331		0.0	1.0							
101104	L1111012	691845	93331		1.0	2.0					2.200	2.2	U
101104	L1111013	691845	93331		2.0	4.0					2.200	2.2	U
101104	L1111014	691845	93331		4.0	6.0					2.200	2.2	U
101105	L1111015	691894	93311		0.0	1.0							
101105	L1111016	691894	93311		1.0	2.0					2.200	2.2	U
101105	L1111017	691894	93311		2.0	4.0					2.200	2.2	U
101105	L1111018	691894	93311		4.0	6.0					2.200	2.2	U

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	HMX		
											Result	DL	VQ
101106	L1111019	691911	93281		0.0	1.0							
101106	L1111020	691911	93281		1.0	2.0					2.200	2.2	U
101106	L1111022	691911	93281		2.0	4.0					2.200	2.2	U
101106	L1111023	691911	93281		4.0	6.0					2.200	2.2	U
101107	L1111024	691838	93244		0.0	1.0							
101107	L1111025	691838	93244		1.0	2.0					2.200	2.2	U
101107	L1111026	691838	93244		2.0	4.0					2.200	2.2	U
101107	L1111027	691838	93244		4.0	6.0					2.200	2.2	U
101201	L1112001	692036	92381		1.0	2.0					2.200	2.2	U
101201	L1112001A	692036	92381		0.0	1.0							
101201	L1112002	692036	92381		1.0	2.0					2.200	2.2	U
101201	L1112003	692036	92381		2.0	4.0					2.200	2.2	U
101201	L1112004	692036	92381		4.0	6.0					2.200	2.2	U
101204	L1112011A	692080	92344		0.0	1.0							
101204	L1112012	692080	92344		2.0	4.0					2.200	2.2	U
101204	L1112013	692080	92344		4.0	6.0					2.200	2.2	U
101205	L1112014	692105	92261		1.0	2.0					2.200	2.2	U
101205	L1112014A	692105	92261		0.0	1.0							
101205	L1112015	692105	92261		2.0	4.0					2.200	2.2	U
101205	L1112016	692105	92261		4.0	6.0					2.200	2.2	U
101206	L1112017	692086	92238		1.0	2.0					2.200	2.2	U
101206	L1112017A	692086	92238		0.0	1.0							
101206	L1112018	692086	92238		2.0	4.0					2.200	2.2	U
101206	L1112019	692086	92238		4.0	6.0					2.200	2.2	U
101207	L1112020	692050	92340		1.0	2.0					2.200	2.2	U
101207	L1112020A	692050	92340		0.0	1.0							
101207	L1112021	692050	92340		2.0	4.0					2.200	2.2	U
101207	L1112022	692050	92340		4.0	6.0					2.200	2.2	U
101208	L1112023	692041	92462		0.0	1.0							
101208	L1112024	692041	92462		1.0	2.0					2.200	2.2	U
101208	L1112025	692041	92462		1.0	2.0					2.200	2.2	U
101208	L1112026	692041	92462		2.0	4.0					2.200	2.2	U
101208	L1112027	692041	92462		4.0	6.0					2.200	2.2	U
101209	L1112028	692063	92389		0.0	1.0							
101209	L1112029	692063	92389		1.0	2.0					0.170	2.2	
101209	L1112030	692063	92389		2.0	4.0					0.250	2.2	
101209	L1112031	692063	92389		4.0	6.0					2.200	2.2	U
101210	L1112033	692085	92323		1.0	2.0					2.200	2.2	U
101210	L1112034	692085	92323		2.0	4.0					2.200	2.2	U
101210	L1112036	692085	92323		4.0	6.0					2.200	2.2	U
101210	L111232	692085	92323		0.0	1.0							

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	HMX		
											Result	DL	VQ
101211	L1112037	692098	92292		0.0	1.0							
101211	L1112038	692098	92292		1.0	2.0					2.200	2.2	U
101211	L1112039	692098	92292		2.0	4.0					2.200	2.2	U
101211	L1112040	692098	92292		4.0	6.0					2.200	2.2	U
101212	L1112041	692076	92256		0.0	1.0							
101212	L1112042	692076	92256		1.0	2.0					2.200	2.2	U
101212	L1112043	692076	92256		2.0	4.0					0.220	2.2	
101212	L1112044	692076	92256		4.0	6.0					2.200	2.2	U
101213	L1112045	692055	92294		0.0	1.0							
101213	L1112046	692055	92294		1.0	2.0					2.200	2.2	U
101213	L1112047	692055	92294		2.0	4.0					2.200	2.2	U
101213	L1112048	692055	92294		2.0	4.0							
101213	L1112049	692055	92294		4.0	6.0					2.200	2.2	U
101301	L1113001	691873	92319		0.0	1.0							
101301	L1113002	691873	92319		1.0	2.0					2.200	2.2	U
101301	L1113003	691873	92319		2.0	4.0					2.200	2.2	U
101301	L1113004	691873	92319		4.0	6.0					2.200	2.2	U
101302	L1113006	691868	92338		0.0	1.0							
101302	L1113007	691868	92338		1.0	2.0					2.200	2.2	U
101302	L1113008	691868	92338		2.0	4.0					2.200	2.2	U
101302	L1113009	691868	92338		4.0	6.0					2.200	2.2	U
101303	L1113010	691845	92407		0.0	1.0							
101303	L1113011	691845	92407		1.0	2.0					2.200	2.2	U
101303	L1113012	691845	92407		2.0	4.0					2.200	2.2	U
101303	L1113013	691845	92407		4.0	6.0					2.200	2.2	U
101304	L1113014	691870	92409		2.0	4.0							
101304	L1113015	691870	92409		1.0	2.0					2.200	2.2	U
101304	L1113016	691870	92409		2.0	4.0					2.200	2.2	U
101304	L1113017	691870	92409		4.0	6.0					2.200	2.2	U
101305	L1113018	691882	92387		0.0	1.0							
101305	L1113019	691882	92387		1.0	2.0					2.200	2.2	U
101305	L1113020	691882	92387		2.0	4.0					2.200	2.2	U
101305	L1113021	691882	92387		4.0	6.0					2.200	2.2	U
101306	L1113024	691889	94486		1.0	2.0					2.200	2.2	U
101307	L1113023	691900	92319		1.0	2.0					2.200	2.2	U
101307	L1113027	691900	92319		0.0	1.0							
101307	L1113028	691900	92319		1.0	2.0					2.200	2.2	U
101308	L11130035	691875	92309		4.0	6.0					2.200	2.2	U
101308	L1113031	691875	92309		0.0	1.0							
101308	L1113032	691875	92309		1.0	2.0					2.200	2.2	U
101308	L1113033	691875	92309		2.0	4.0					2.200	2.2	U

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	HMX		
											Result	DL	VQ
101308	L1113034	691875	92309		2.0	4.0					2.200	2.2	U
101309	L1113036	691881	92297		0.0	1.0							
101309	L1113037	691881	92297		1.0	2.0					2.200	2.2	U
101309	L1113038	691881	92297		2.0	4.0					2.200	2.2	U
101309	L1113039	691881	92297		4.0	6.0					2.200	2.2	U
101401	L1114001	691797	92489		0.0	1.0							
101401	L1114002	691797	92489		1.0	2.0					2.200	2.2	U
101401	L1114003	691797	92489		2.0	4.0					2.200	2.2	U
101401	L1114004	691797	92489		4.0	6.0					2.200	2.2	U
101402	L1114005	691814	92487		0.0	1.0							
101402	L1114006	691814	92487		1.0	2.0					2.200	2.2	U
101402	L1114007	691814	92487		2.0	4.0					2.200	2.2	U
101402	L1114008	691814	92487		4.0	6.0					2.200	2.2	U
101501	L1115001	691936	92124		0.0	1.0							
101501	L1115002	691936	92124		1.0	2.0					2.200	2.2	U
101501	L1115003	691936	92124		2.0	4.0					2.200	2.2	U
101501	L1115004	691936	92124		4.0	6.0					2.200	2.2	U
101502	L1115005	691916	92117		0.0	1.0							
101502	L1115006	691916	92117		1.0	2.0					2.200	2.2	U
101502	L1115007	691916	92117		2.0	4.0					2.200	2.2	U
101502	L1115008	691916	92117		4.0	6.0					2.200	2.2	U
101503	L1115009	691925	92088		0.0	1.0							
101503	L1115010	691925	92088		1.0	2.0					2.200	2.2	U
101503	L1115011	691925	92088		2.0	4.0					2.200	2.2	U
101503	L1115012	691925	92088		4.0	6.0					2.200	2.2	U
101504	L1115014	691931	92075		0.0	1.0							
101504	L1115015	691931	92075		1.0	2.0					2.200	2.2	U
101504	L1115016	691931	92075		2.0	4.0					2.200	2.2	U
101504	L1115017	691931	92075		4.0	6.0					2.200	2.2	U
101505	L1115018	691943	92106		0.0	1.0							
101505	L1115019	691943	92106		1.0	2.0					2.200	2.2	U
101505	L1115020	691943	92106		2.0	4.0					2.200	2.2	U
101505	L1115021	691943	92106		4.0	6.0					2.200	2.2	U
101506	L1115022	691950	92080		0.0	1.0							
101506	L1115023	691950	92080		1.0	2.0					2.200	2.2	U
101506	L1115024	691950	92080		2.0	4.0					2.200	2.2	U
101506	L1115025	691950	92080		4.0	6.0					2.200	2.2	U
101601	L1116001	692018	92532		1.0	2.0							
101602	L1116002	692025	92510		1.0	2.0							
101604	L1116005	692012	92535		1.0	2.0							
101605	L1116006	692003	92526		1.0	2.0							

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	HMX		
											Result	DL	VQ
101605	L1116007	692003	92526		1.0	2.0							
101901	L1119001	691756	92245		0.0	1.0							
101901	L1119002	691756	92245		1.0	2.0					2.200	2.2	U
101901	L1119003	691756	92245		2.0	4.0					2.200	2.2	U
101901	L1119004	691756	92245		4.0	6.0					2.200	2.2	U
101902	L1119005	691701	92291		0.0	1.0							
101902	L1119006	691701	92291		1.0	2.0					2.200	2.2	U
101902	L1119007	691701	92291		2.0	4.0					2.200	2.2	U
101902	L1119008	691701	92291		4.0	6.0					2.200	2.2	U
101903	L1119011	691682	92349		0.0	1.0							
101903	L1119012	691682	92349		1.0	2.0					2.200	2.2	U
101903	L1119013	691682	92349		2.0	4.0					2.200	2.2	U
101903	L1119014	691682	92349		4.0	6.0					15.000	2.2	
101904	L1119015	691752	92256		0.0	1.0							
101904	L1119016	691752	92256		1.0	2.0					2.200	2.2	U
101904	L1119017	691752	92256		2.0	4.0					2.200	2.2	U
101904	L1119018	691752	92256		4.0	6.0					2.200	2.2	U
101905	L1119019	691756	92280		0.0	1.0							
101905	L1119020	691756	92280		1.0	2.0					2.200	2.2	U
101905	L1119021	691756	92280		2.0	4.0					2.200	2.2	U
101905	L1119022	691756	92280		4.0	6.0					2.200	2.2	U
103601	L1136001	691816	93159		0.0	1.0							
103601	L1136002	691816	93159		1.0	2.0							
103601	L1136003	691816	93159		2.0	4.0							
103602	L1136004	691819	93152		0.0	1.0							
103602	L1136005	691819	93152		1.0	2.0							
103602	L1136006	691819	93152		2.0	4.0							
103603	L1136007	691811	93151		0.0	1.0							
103603	L1136008	691811	93151		1.0	2.0							
103603	L1136009	691811	93151		2.0	4.0							
104001	L1140001	691989	92970		0.0	1.0							
104001	L1140002	691989	92970		1.0	2.0					2.200	2.2	U
104001	L1140003	691989	92970		2.0	4.0					2.200	2.2	U
104001	L1140004	691989	92970		4.0	6.0					2.200	2.2	U
104002	L1140005	691966	92968		0.0	1.0							
104002	L1140007	691966	92968		1.0	2.0					2.200	2.2	U
104002	L1140008	691966	92968		2.0	4.0					2.200	2.2	U
104002	L1140009	691966	92968		4.0	6.0					2.200	2.2	U
104003	L1140010	692020	92953		0.0	1.0							
104003	L1140011	692020	92953		0.0	1.0					2.200	2.2	U
104003	L1140013	692020	92953		2.0	4.0					2.200	2.2	U

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	HMX		
											Result	DL	VQ
104003	L1140014	692020	92953		4.0	6.0					2.200	2.2	U
104004	L1140015	691950	92925		0.0	1.0							
104004	L1140016	691950	92925		1.0	2.0					2.200	2.2	U
104004	L1140017	691950	92925		2.0	4.0					2.200	2.2	U
104004	L1140018	691950	92925		4.0	6.0					2.200	2.2	U
104005	L1140006	692034	92912		2.0	4.0					2.200	2.2	U
104005	L1140020	692034	92912		0.0	1.0							
104005	L1140021	692034	92912		1.0	2.0					2.200	2.2	U
104005	L1140022	692034	92912		2.0	4.0					2.200	2.2	U
104005	L1140023	692034	92912		4.0	6.0					2.200	2.2	U
104006	L1140024	692023	92873		0.0	1.0							
104006	L1140025	692023	92873		1.0	2.0					2.200	2.2	U
104006	L1140026	692023	92873		2.0	4.0					2.200	2.2	U
104006	L1140027	692023	92873		4.0	6.0					2.200	2.2	U
104007	L1140028	691983	92874		0.0	1.0							
104007	L1140029	691983	92874		1.0	2.0					2.200	2.2	U
104007	L1140030	691983	92874		2.0	4.0					2.200	2.2	U
105001	L1150001	691709	92844		1.0	2.0					2.100	2.1	U
105001	L1150002	691709	92844		2.0	4.0					2.200	2.2	U
105001	L1150003	691709	92844		4.0	6.0					2.200	2.2	U
105003	L1150007	691689	92828		0.0	1.0							
105003	L1150008	691689	92828		1.0	2.0					2.200	2.2	U
105003	L1150009	691689	92828		2.0	4.0					2.100	2.1	U
105003	L1150010	691689	92828		4.0	6.0					2.100	2.1	U
105004	L1150011	691716	92826		0.0	1.0							
105004	L1150012	691716	92826		1.0	2.0					2.200	2.2	U
105004	L1150013	691716	92826		2.0	4.0					2.200	2.2	U
105004	L1150014	691716	92826		4.0	6.0					2.200	2.2	U
105301	L1153001	692136	92161		1.0	2.0					2.200	2.2	U
105301	L1153001A	692136	92161		0.0	1.0							
105301	L1153003	692136	92161		2.0	4.0					2.200	2.2	U
105301	L1153004	692136	92161		4.0	6.0					2.200	2.2	U
105302	L1153002	692145	92145		0.0	1.0							
105302	L1153005	692145	92145		1.0	2.0					2.200	2.2	U
105302	L1153005A	692145	92145		0.0	1.0							
105302	L1153006	692145	92145		2.0	4.0					2.200	2.2	U
105302	L1153007	692145	92145		4.0	6.0					2.200	2.2	U
105303	L1153008	692108	92140		1.0	2.0					2.200	2.2	U
105303	L1153008A	692108	92140		0.0	1.0							
105303	L1153009	692108	92140		2.0	4.0					2.200	2.2	U
105303	L1153010	692108	92140		4.0	6.0					2.200	2.2	U

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	HMX		
											Result	DL	VQ
106002	L1160006	691662	92877		0.0	1.0							
106002	L1160007	691662	92877		1.0	2.0					2.200	2.2	U
106002	L1160008	691662	92877		2.0	4.0					2.100	2.1	U
106002	L1160009	691662	92877		4.0	6.0					2.200	2.2	U
106003	L1160010	691680	92888		0.0	1.0							
106003	L1160011	691680	92888		1.0	2.0					2.200	2.2	U
106003	L1160012	691680	92888		2.0	4.0					2.100	2.1	U
106003	L1160013	691680	92888		4.0	6.0					2.200	2.2	U
106003	L1160014	691680	92888		4.0	6.0					2.200	2.2	U
106004	L1160015	691680	92900		0.0	1.0							
106004	L1160016	691680	92900		1.0	2.0					2.200	2.2	U
106004	L1160017	691680	92900		2.0	4.0					2.200	2.2	U
106004	L1160019	691680	92900		4.0	6.0					2.100	2.1	U
106101	L1161001	691947	93086		0.0	1.0							
106101	L1161002	691947	93086		1.0	2.0					2.200	2.2	U
106101	L1161003	691947	93086		2.0	4.0					2.200	2.2	U
106101	L1161004	691947	93086		4.0	6.0					2.200	2.2	U
106102	L1161005	691909	93057		0.0	1.0							
106102	L1161006	691909	93057		1.0	2.0					2.200	2.2	U
106102	L1161007	691909	93057		1.0	2.0					2.200	2.2	U
106102	L1161008	691909	93057		2.0	4.0					2.200	2.2	U
106102	L1161009	691909	93057		4.0	6.0					2.200	2.2	U
106104	L1161014	691956	93011		0.0	1.0							
106104	L1161015	691956	93011		1.0	2.0					2.200	2.2	U
106104	L1161016	691956	93011		2.0	4.0					2.200	2.2	U
106104	L1161017	691956	93011		4.0	6.0					2.200	2.2	U
106301	L1163009	692099	92970		0.0	1.0							
106301	L1163010	692099	92970		1.0	2.0					2.200	2.2	U
106301	L1163011	692099	92970		2.0	4.0					2.200	2.2	U
106301	L1163012	692099	92970		4.0	6.0					2.200	2.2	U
106302	L1163013	692094	92997		0.0	1.0							
106302	L1163015	692094	92997		2.0	4.0					2.200	2.2	U
106302	L1163016	692094	92997		4.0	6.0					2.200	2.2	U
106303	L1163017	692099	93024		0.0	1.0							
106303	L1163018	692099	93024		1.0	2.0					2.200	2.2	U
106303	L1163019	692099	93024		2.0	4.0					2.200	2.2	U
106303	L1163020	692099	93024		4.0	6.0					2.200	2.2	U
106304	L1163021	692101	93040		0.0	1.0							
106304	L1163022	692101	93040		1.0	2.0					2.200	2.2	U
106304	L1163023	692101	93040		2.0	4.0					2.200	2.2	U
106304	L1163024	692101	93040		4.0	6.0					2.200	2.2	U

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	HMX		
											Result	DL	VQ
106305	L1163025	692073	93131		0.0	1.0							
106305	L1163026	692073	93131		1.0	2.0					2.200	2.2	U
106305	L1163027	692073	93131		1.0	2.0					2.200	2.2	U
106305	L1163028	692073	93131		2.0	4.0					2.200	2.2	U
106305	L1163029	692073	93131		4.0	6.0					2.200	2.2	U
106306	L1163030	692055	93147		0.0	1.0							
106306	L1163031	692055	93147		1.0	2.0					2.200	2.2	U
106306	L1163032	692055	93147		2.0	4.0					2.200	2.2	U
106306	L1163033	692055	93147		4.0	6.0					2.200	2.2	U
106307	L1163034	692088	93113		0.0	1.0							
106307	L1163035	692088	93113		1.0	2.0					2.200	2.2	U
106307	L1163036	692088	93113		2.0	4.0					2.200	2.2	U
106307	L1163037	692088	93113		4.0	6.0					2.200	2.2	U
106308	L1163038	692094	93102		0.0	1.0							
106308	L1163039	692094	93102		1.0	2.0					0.890	2.2	
106308	L1163040	692094	93102		2.0	4.0					2.200	2.2	U
106308	L1163041	692094	93102		4.0	6.0					2.200	2.2	U
106401	L1164001	692022	93174		0.0	1.0							
106401	L1164002	692022	93174		1.0	2.0					2.200	2.2	U
106401	L1164003	692022	93174		2.0	4.0					2.200	2.2	U
106401	L1164004	692022	93174		4.0	6.0					2.200	2.2	U
106401	L1164018	692022	93174		0.0	1.0							
106402	L1164005	692011	93185		0.0	1.0							
106402	L1164006	692011	93185		4.0	6.0					2.200	2.2	U
106402	L1164007	692011	93185		2.0	4.0					2.200	2.2	U
106402	L1164008	692011	93185		4.0	6.0					2.200	2.2	U
106403	L1164009	692000	93195		0.0	1.0							
106403	L1164010	692000	93195		1.0	2.0					0.250	2.2	
106403	L1164011	692000	93195		2.0	4.0					2.200	2.2	U
106403	L1164012	692000	93195		4.0	6.0					2.200	2.2	U
106403	L1164013	692000	93195		4.0	6.0					2.200	2.2	U
106404	L1164014	691970	93215		2.0	4.0							
106404	L1164015	691970	93215		1.0	2.0					2.200	2.2	U
106404	L1164016	691970	93215		2.0	4.0					2.200	2.2	U
106404	L1164017	691970	93215		4.0	6.0					2.200	2.2	U
106501	L1165001	692089	92859		0.0	1.0							
106501	L1165002	692089	92859		1.0	2.0					0.140	2.2	
106501	L1165003	692089	92859		2.0	4.0					2.200	2.2	U
106501	L1165004	692089	92859		4.0	6.0					2.200	2.2	U
106501	L1165005	692089	92859		4.0	6.0					2.200	2.2	U
106502	L1165006	692086	92848		0.0	1.0							

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	HMX		
											Result	DL	VQ
106502	L1165007	692086	92848		1.0	2.0					2.200	2.2	U
106502	L1165008	692086	92848		2.0	4.0					2.200	2.2	U
106502	L1165009	692086	92848		4.0	6.0					2.200	2.2	U
106503	L1165010	692175	92980		0.0	1.0							
106503	L1165011	692175	92980		1.0	2.0					2.200	2.2	U
106503	L1165012	692175	92980		2.0	4.0					2.200	2.2	U
106503	L1165013	692175	92980		4.0	6.0					2.200	2.2	U
106503	L1165030	692175	92980		1.0	2.0					2.200	2.2	U
106504	L1165014	692161	92912		0.0	1.0							
106504	L1165015	692161	92912		1.0	2.0					0.069	2.2	
106504	L1165016	692161	92912		2.0	4.0					2.200	2.2	U
106504	L1165017	692161	92912		4.0	6.0					2.200	2.2	U
106505	L1165018	692194	92823		0.0	1.0							
106505	L1165019	692194	92823		1.0	2.0					2.200	2.2	U
106505	L1165020	692194	92823		2.0	4.0					2.200	2.2	U
106505	L1165021	692194	92823		4.0	6.0					2.200	2.2	U
106506	L1165022	692273	92884		0.0	1.0							
106506	L1165023	692273	92884		1.0	2.0					2.200	2.2	U
106506	L1165024	692273	92884		2.0	4.0					2.200	2.2	U
106506	L1165025	692273	92884		4.0	6.0					2.200	2.2	U
106507	L1165026	692267	92904		0.0	1.0							
106507	L1165027	692267	92904		1.0	2.0					2.200	2.2	U
106507	L1165028	692267	92904		2.0	4.0					2.200	2.2	U
106507	L1165029	692267	92904		4.0	6.0					2.200	2.2	U
106507	L1165031	692267	92904		0.0	1.0							
106601	L1166001	691723	92395		0.0	1.0							
106601	L1166002	691723	92395		1.0	2.0					2.200	2.2	U
106601	L1166003	691723	92395		2.0	4.0					2.200	2.2	U
106601	L1166004	691723	92395		4.0	6.0					2.200	2.2	U
106602	L1166007	691680	92381		0.0	1.0							
106602	L1166008	691680	92381		1.0	2.0					2.200	2.2	U
106602	L1166009	691680	92381		2.0	4.0					2.200	2.2	U
106602	L1166010	691680	92381		4.0	6.0					2.200	2.2	U
106701	L1167001	691949	93193		0.0	1.0							
106701	L1167002	691949	93193		1.0	2.0					2.200	2.2	U
106701	L1167003	691949	93193		2.0	4.0					2.200	2.2	U
106701	L1167004	691949	93193		4.0	6.0					2.200	2.2	U
106702	L1167005	691953	93162		0.0	1.0							
106702	L1167006	691953	93162		1.0	2.0					2.200	2.2	U
106702	L1167007	691953	93162		1.0	2.0					2.200	2.2	U
106702	L1167008	691953	93162		4.0	6.0					2.200	2.2	U

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	HMX		
											Result	DL	VQ
106703	L1167009	691973	93141		0.0	1.0							
106703	L1167010	691973	93141		1.0	2.0					2.200	2.2	U
106703	L1167011	691973	93141		2.0	4.0					2.200	2.2	U
106703	L1167012	691973	93141		4.0	6.0					2.200	2.2	U
107001	L1170001	691981	92458		0.0	1.0							
107001	L1170002	691981	92458		1.0	2.0					2.200	2.2	U
107001	L1170003	691981	92458		2.0	4.0					2.000	2.2	
107001	L1170004	691981	92458		4.0	6.0					2.200	2.2	U
107002	L1170005	691961	92498		0.0	1.0							
107002	L1170006	691961	92498		1.0	2.0					0.350	2.2	
107002	L1170007	691961	92498		2.0	4.0					0.220	2.2	
107002	L1170008	691961	92498		4.0	6.0					0.630	2.2	
107101	L1171001	691874	92664		0.0	1.0							
107101	L1171002	691874	92664		1.0	2.0					2.200	2.2	U
107101	L1171003	691874	92664		2.0	4.0					2.200	2.2	U
107101	L1171004	691874	92664		4.0	6.0					2.200	2.2	U
107201	L1172001	691875	92586		0.0	1.0							
107201	L1172002	691875	92586		1.0	2.0					2.200	2.2	U
107201	L1172003	691875	92586		2.0	4.0					2.200	2.2	U
107201	L1172004	691875	92586		4.0	6.0					2.200	2.2	U
107201	L1172005	691875	92586		4.0	6.0					2.200	2.2	U
107303	L1173009	691882	92517		0.0	1.0							
107303	L1173010	691882	92517		1.0	2.0					2.100	2.1	U
107303	L1173011	691882	92517		2.0	4.0					2.100	2.1	U
107303	L1173012	691882	92517		4.0	6.0					2.200	2.2	U
107304	L1173013	691895	92491		0.0	1.0							
107304	L1173014	691895	92491		1.0	2.0					2.200	2.2	U
107304	L1173015	691895	92491		2.0	4.0					2.200	2.2	U
107304	L1173016	691895	92491		4.0	6.0					2.200	2.2	U
107305	L1173017	691925	92475		0.0	1.0							
107305	L1173018	691925	92475		1.0	2.0					2.200	2.2	U
107305	L1173019	691925	92475		2.0	4.0					2.200	2.2	U
107305	L1173020	691925	92475		4.0	6.0					2.200	2.2	U
107401	L1174001	691962	92425		0.0	1.0							
107401	L1174002	691962	92425		1.0	2.0					0.110	2.2	
107401	L1174003	691962	92425		2.0	4.0					0.310	2.2	
107401	L1174004	691962	92425		4.0	6.0					0.130	2.2	
107501	L1175001	691970	92319		0.0	1.0							
107501	L1175002	691970	92319		1.0	2.0					2.200	2.2	U
107501	L1175003	691970	92319		2.0	4.0					2.200	2.2	U
107501	L1175004	691970	92319		4.0	6.0					0.310	2.2	

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	HMX		
											Result	DL	VQ
107601	L1176001	691995	92243		0.0	1.0							
107601	L1176002	691995	92243		1.0	2.0					2.200	2.2	U
107601	L1176003	691995	92243		1.0	2.0					2.200	2.2	U
107601	L1176004	691995	92243		2.0	4.0					2.200	2.2	U
107601	L1176005	691995	92243		4.0	6.0					2.200	2.2	U
107701	L1177001	691839	93355		0.0	1.0							
107701	L1177002	691839	93355		1.0	2.0					2.200	2.2	U
107701	L1177003	691839	93355		2.0	4.0					2.200	2.2	U
107701	L1177004	691839	93355		4.0	6.0					2.200	2.2	U
108501	L1185001	692145	93053		0.0	1.0							
108501	L1185002	692145	93053		1.0	2.0					2.200	2.2	U
108501	L1185003	692145	93053		2.0	4.0					2.200	2.2	U
108501	L1185004	692145	93053		4.0	6.0					2.200	2.2	U
108502	L1185005	692193	93114		0.0	1.0							
108502	L1185006	692193	93114		1.0	2.0					2.200	2.2	U
108502	L1185007	692193	93114		1.0	2.0					2.200	2.2	U
108502	L1185009	692193	93114		4.0	6.0					2.200	2.2	U
110001	L11100001	691889	92747		0.0	1.0							
110001	L11100002	691889	92747		1.0	2.0					2.200	2.2	U
110001	L11100003	691889	92747		2.0	4.0					2.200	2.2	U
110001	L11100004	691889	92747		2.0	4.0					2.100	2.1	U
110003	L11100009	691958	92733		4.0	6.0					2.200	2.2	U
110003	L11100010	691958	92733		0.0	1.0							
110003	L11100011	691958	92733		1.0	2.0					2.200	2.2	U
110003	L11100012	691958	92733		1.0	2.0					2.200	2.2	U
110003	L11100013	691958	92733		2.0	4.0					2.100	2.1	U
110003	L11100014	691958	92733		4.0	6.0					2.200	2.2	U
110021	L111002001	691703	92269		0.0	1.0							
110021	L111002002	691703	92269		0.0	1.0							
110021	L111002003	691703	92269		1.0	2.0					2.200	2.2	U
110021	L111002004	691703	92269		2.0	4.0					2.200	2.2	U
110021	L111002005	691703	92269		4.0	6.0					2.200	2.2	U
110021	L111002006	691703	92269		4.0	6.0					2.200	2.2	U
112421	L11124001	691974	93402		1.0	2.0					2.200	2.2	U
112421	L11124002	691974	93402		2.0	4.0					2.200	2.2	U
112421	L11124003	691974	93402		4.0	6.0					2.200	2.2	U
112422	L11124004	691977	93392		1.0	2.0					2.200	2.2	U
112422	L11124005	691977	93392		2.0	4.0					2.200	2.2	U
112422	L11124006	691977	93392		4.0	6.0					2.200	2.2	U
112423	L11124007	691956	93454		1.0	2.0					2.200	2.2	U
112423	L11124008	691956	93454		2.0	4.0					2.200	2.2	U

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	HMX		
											Result	DL	VQ
112423	L11124009	691956	93454		4.0	6.0					2.200	2.2	U
112901	L11129001	691933	93378		1.0	2.0					2.200	2.2	U
112901	L11129002	691933	93378		2.0	4.0					2.200	2.2	U
112901	L11129003	691933	93378		4.0	6.0					2.200	2.2	U
112902	L11129004	691961	93373		1.0	2.0							
112902	L11129005	691961	93373		2.0	4.0							
112902	L11129006	691961	93373		2.0	4.0							
112903	L11129007	691939	93367		1.0	2.0					2.200	2.2	U
112903	L11129008	691939	93367		2.0	4.0					2.200	2.2	U
112903	L11129009	691939	93367		4.0	6.0					2.200	2.2	U
115201	L11152001	691670	93440		1.0	2.0							
115201	L11152002	691670	93440		2.0	4.0							
115202	L11152003	691677	93430		1.0	2.0							
115202	L11152004	691677	93430		2.0	4.0							
115203	L11152005	691655	93409		1.0	2.0							
115203	L11152006	691655	93409		2.0	4.0							
115204	L11152007	691646	93444		1.0	2.0							
115204	L11152008	691646	93444		2.0	4.0							
115205	L11152009	691681	93484		1.0	2.0							
115205	L11152009DL	691681	93484		1.0	2.0							
115205	L11152011	691681	93484		2.0	4.0							
115206	L11152012	691648	93431		1.0	2.0							
115206	L11152013	691648	93431		2.0	4.0							
115207	L11152014	691651	93420		1.0	2.0							
115207	L11152015	691651	93420		2.0	4.0							
115501	L11155001	691829	92890		0.0	1.0							
115501	L11155002	691829	92890		1.0	2.0					2.200	2.2	U
115501	L11155003	691829	92890		2.0	4.0					2.100	2.1	U
115501	L11155004	691829	92890		4.0	6.0					2.200	2.2	U
115501	L11155005	691829	92890		4.0	6.0					0.082	2.1	
115502	L11155006	691921	92626		0.0	1.0							
115502	L11155007	691921	92626		1.0	2.0					2.200	2.2	U
115502	L11155008	691921	92626		2.0	4.0					2.200	2.2	U
115502	L11155009	691921	92626		4.0	6.0					2.200	2.2	U
115503	L11155010	692016	92333		0.0	1.0							
115503	L11155011	692016	92333		1.0	2.0					2.200	2.2	U
115503	L11155012	692016	92333		2.0	4.0					2.000	2.2	
116901	L11169001	691798	92297		0.0	1.0							
116901	L11169002	691798	92297		1.0	2.0							
116902	L1169003	691703	93210		0.0	1.0							
116902	L1169004	691703	93210		1.0	2.0							

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	HMX		
											Result	DL	VQ
116903	L11169005	691920	92946		0.0	1.0							
116903	L11169006	691920	92946		1.0	2.0							
116904	L11169007	691946	92866		0.0	1.0							
116904	L11169008	691946	92866		1.0	2.0							
116905	L11169009	692120	92125		0.0	1.0							
116905	L11169010	692120	92125		1.0	2.0							
116906	L11169011	692028	92646		1.0	2.0							
116907	L11169013	692114	92355		0.0	1.0							
116907	L11169014	692114	92355		1.0	2.0							
116908	L11169016	692066	92273		0.0	1.0							
116908	L11169017	692066	92273		1.0	2.0							
116909	L11169018	691757	92233		0.0	1.0							
116909	L11169019	691757	92233		1.0	2.0							
116910	L11169020	691979	93373		0.0	1.0							
116910	L11169021	691979	93373		1.0	2.0							
116911	L11169022	691769	93328		0.0	1.0							
116911	L11169023	691769	93328		1.0	2.0							
116912	L11169024	691863	93415		0.0	1.0							
116912	L11169025	691863	93415		1.0	2.0							
116913	L11169026	691701	92898		0.0	1.0							
116913	L11169027	691701	92898		1.0	2.0							
116914	L11169028	691725	93411		0.0	1.0							
116914	L11169028DL	691725	93411		0.0	1.0							
116914	L11169029	691725	93411		1.0	2.0							
116914	L11169029DL	691725	93411		1.0	2.0							
116915	L11169030	691883	93355		0.0	1.0							
116915	L11169031	691883	93355		0.0	1.0							
116916	L11169032	692204	93063		0.0	1.0							
116916	L11169033	692204	93063		0.0	1.0							
116916	L11169034	692204	93063		1.0	2.0							
116917	L11169035	691698	92263		0.0	1.0							
116917	L11169036	691698	92263		1.0	2.0							
116918	L11169037	691949	93168		0.0	1.0							
116918	L11169038	691949	93168		1.0	2.0							
116919	L11169039	692104	92656		0.0	1.0							
116919	L11169040	692104	92656		1.0	2.0							
116920	L11169041	691813	92098		0.0	1.0							
116920	L11169042	691813	92098		1.0	2.0							
116920	L11169043	691813	92098		1.0	2.0							
116921	L11169044	692141	92572		0.0	1.0							
116921	L11169045	692141	92572		1.0	2.0							

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	HMX		
											Result	DL	VQ
116922	L11169046	692089	92779		0.0	1.0							
116922	L11169047	692089	92779		1.0	2.0							
116925	L11169052	691675	93311		0.0	1.0							
116925	L11169053	691675	93311		1.0	2.0							
160302	L1163014	692094	92997		1.0	2.0					2.200	2.2	U
163701	L1163001	691731	92351		0.0	1.0							
163701	L1163002	691731	92351		1.0	2.0					2.200	2.2	U
163701	L1163003	691731	92351		2.0	4.0							
163701	L1163004	691731	92351		4.0	6.0					2.200	2.2	U
163702	L1163005	691759	92309		0.0	1.0							
163702	L1163006	691759	92309		1.0	2.0					2.200	2.2	U
163702	L1163007	691759	92309		2.0	4.0					2.200	2.2	U
163702	L1163008	691759	92309		4.0	6.0					2.200	2.2	U
10DD01	L110DD001	691669	93262		0.0	1.0							
10DD01	L110DD002	691669	93262		1.0	2.0					2.200	2.2	U
10DD01	L110DD003	691669	93262		2.0	4.0					2.200	2.2	U
10DD01	L110DD004	691669	93262		4.0	6.0					2.200	2.2	U
10DD02	L110DD005	691641	93234		0.0	1.0							
10DD02	L110DD006	691641	93234		1.0	2.0					2.200	2.2	U
10DD02	L110DD007	691641	93234		2.0	4.0					2.200	2.2	U
10DD02	L110DD008	691641	93234		4.0	6.0					2.100	2.1	U
10DD03	L110DD009	691565	93119		0.0	1.0							
10DD03	L110DD010	691565	93119		1.0	2.0					2.200	2.2	U
10DD03	L110DD011	691565	93119		2.0	4.0					2.200	2.2	U
10DD03	L110DD012	691565	93119		4.0	6.0					2.200	2.2	U
10DD04	L110DD013	691508	93081		0.0	1.0							
10DD04	L110DD014	691508	93081		1.0	2.0					2.200	2.2	U
10DD04	L110DD015	691508	93081		2.0	4.0					2.200	2.2	U
10DD04	L110DD016	691508	93081		2.0	4.0					2.100	2.1	U
10DD04	L110DD017	691508	93081		4.0	6.0					2.200	2.2	U
10DD05	L110DD018	691525	93099		0.0	1.0							
10DD05	L110DD019	691525	93099		1.0	2.0					2.200	2.2	U
10DD07	L110DD026	691660	93153		0.0	1.0							
10DD07	L110DD027	691660	93153		1.0	2.0					2.200	2.2	U
10DD07	L110DD028	691660	93153		2.0	4.0					2.100	2.1	U
10DD07	L110DD029	691660	93153		4.0	6.0					2.200	2.2	U
10DD09	L110DD034	691861	92762		0.0	1.0							
10DD09	L110DD035	691861	92762		1.0	2.0					0.068	2.2	
10DD09	L110DD036	691861	92762		2.0	4.0					0.150	2.2	
10DD09	L110DD037	691861	92762		4.0	6.0					0.190	2.2	
10DD10	L110DD038	691839	92768		0.0	1.0							

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	HMX		
											Result	DL	VQ
10DD10	L110DD039	691839	92768		0.0	1.0							
10DD10	L110DD040	691839	92768		1.0	2.0					2.200	2.2	U
10DD10	L110DD041	691839	92768		2.0	4.0					2.200	2.2	U
10DD10	L110DD042	691839	92768		4.0	6.0					2.200	2.2	U
10DD11	L110DD043	691762	92784		0.0	1.0							
10DD11	L110DD044	691762	92784		1.0	2.0					2.200	2.2	U
10DD11	L110DD045	691762	92784		1.0	2.0					2.200	2.2	U
10DD11	L110DD046	691762	92784		2.0	4.0					2.200	2.2	U
10DD11	L110DD047	691762	92784		4.0	6.0					2.200	2.2	U
10DD12	L110DD048	691726	92790		0.0	1.0							
10DD12	L110DD049	691726	92790		1.0	2.0					2.100	2.1	U
10DD12	L110DD050	691726	92790		2.0	4.0					2.100	2.1	U
10DD12	L110DD051	691726	92790		4.0	6.0					2.100	2.1	U
10DD13	L110DD052	691627	92701		0.0	1.0							
10DD13	L110DD053	691627	92701		1.0	2.0					2.200	2.2	U
10DD13	L110DD054	691627	92701		2.0	4.0					2.200	2.2	U
10DD13	L110DD055	691627	92701		4.0	6.0					2.200	2.2	U
10DD14	L110DD056	691617	92673		0.0	1.0							
10DD14	L110DD057	691617	92673		1.0	2.0					2.200	2.2	U
10DD14	L110DD058	691617	92673		2.0	4.0					2.200	2.2	U
10DD14	L110DD059	691617	92673		4.0	6.0					2.200	2.2	U
10DD15	L110DD060	691625	92545		0.0	1.0							
10DD15	L110DD061	691625	92545		1.0	2.0					0.450	2.2	
10DD15	L110DD062	691625	92545		2.0	4.0					2.200	2.2	U
10DD15	L110DD063	691625	92545		4.0	6.0					0.460	2.2	
10DD16	L110DD065	691588	92546		1.0	2.0					2.200	2.2	U
10DD16	L110DD066	691588	92546		2.0	4.0					2.200	2.2	U
10DD16	L110DD067	691588	92546		4.0	6.0					2.200	2.2	U
10DD17	L110DD069	691547	92435		1.0	2.0					2.200	2.2	U
10DD17	L110DD070	691547	92435		2.0	4.0					2.200	2.2	U
10DD17	L110DD071	691547	92435		4.0	6.0					2.200	2.2	U
10DD17	L110DD072	691547	92435		4.0	6.0					2.200	2.2	U
10DD18	L110DD074	691582	92419		1.0	2.0					2.200	2.2	U
10DD18	L110DD075	691582	92419		2.0	4.0					2.200	2.2	U
10DD18	L110DD076	691582	92419		4.0	6.0					2.200	2.2	U
10DD19	L110DD077	691678	92547		0.0	1.0							
10DD19	L110DD078DL	691678	92547		1.0	2.0					45.000	8.8	
10DD19	L110DD079DL	691678	92547		2.0	4.0							
10DD20	L110DD081	691806	92511		0.0	1.0							
10DD20	L110DD082	691806	92511		1.0	2.0					2.200	2.2	U
10DD20	L110DD083	691806	92511		2.0	4.0					2.200	2.2	U

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	HMX		
											Result	DL	VQ
10DD20	L110DD084	691806	92511		4.0	6.0					2.200	2.2	U
10DD21	L110DD085	691838	92504		0.0	1.0							
10DD21	L110DD086	691838	92504		1.0	2.0					2.200	2.2	U
10DD21	L110DD087	691838	92504		2.0	4.0					2.200	2.2	U
10DD21	L110DD088	691838	92504		4.0	6.0					2.200	2.2	U
10DD22	L110DD089	691858	92111		0.0	1.0							
10DD22	L110DD090	691858	92111		1.0	2.0					2.200	2.2	U
10DD22	L110DD091	691858	92111		2.0	4.0					2.200	2.2	U
10DD22	L110DD092	691858	92111		4.0	6.0					2.200	2.2	U
10DD23	L110DD094	691798	92021		1.0	2.0					2.200	2.2	U
10DD23	L110DD095	691798	92021		2.0	4.0					2.200	2.2	U
10DD23	L110DD096	691798	92021		4.0	6.0					2.200	2.2	U
10DD25	L110DD102	691742	92808		2.0	4.0							
10DD25	L110DD103	691742	92808		1.0	2.0					2.200	2.2	U
10DD25	L110DD104	691742	92808		2.0	4.0					2.200	2.2	U
10DD25	L110DD105	691742	92808		4.0	6.0					2.200	2.2	U
10DD26	L110DD106	691759	92856		0.0	1.0							
10DD26	L110DD107	691759	92856		1.0	2.0					0.150	2.2	
10DD26	L110DD108	691759	92856		2.0	4.0					0.100	2.2	
10DD26	L110DD109	691759	92856		4.0	6.0					0.210	2.2	
10DD27	L110DD110	691918	91943		0.0	1.0							
10DD27	L110DD111	691918	91943		1.0	2.0					2.200	2.2	U
10DD27	L110DD112	691918	91943		2.0	4.0					2.200	2.2	U
10DD27	L110DD113	691918	91943		4.0	6.0					2.200	2.2	U
10DD28	L110DD115	691840	91886		1.0	2.0					2.200	2.2	U
10DD28	L110DD116	691840	91886		2.0	4.0					2.200	2.2	U
10DD28	L110DD117	691840	91886		4.0	6.0					2.200	2.2	U
10DD29	L110DD131	691632	93305		0.0	1.0							
10DD29	L110DD132	691632	93305		1.0	2.0					2.200	2.2	U
10DD29	L110DD133	691632	93305		2.0	4.0					2.200	2.2	U
10DD29	L110DD134	691632	93305		4.0	6.0					2.200	2.2	U
L1-E46-C001	IAAP137907						EU4	F	46	west wall BC 4 and 5	0.95	0.25	=
L1-E46-C002	IAAP137908									west wall BC 6, 7 and 3	0.17	0.25	J
L1-E46-C003	IAAP137909									floor BC 1, 9, 2, 3, 7, and 6	0.09	0.25	J
L1-E46-C004	IAAP137910									south wall BC 2, 3, and 4	0.25	0.25	U
L1-E46-C005	IAAP137911									floor BC 3, 4, 5, 6, and 7	0.14	0.25	J
L1-E46-C006	IAAP137912									east wall BC 1, 9, and 2	0.25	0.25	U

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	HMX		
											Result	DL	VQ
L1-E12-C001	IAAP112282						EU5	B	12	north wall BC 1 and 12	0.66	0.29	=
L1-E12-C002	IAAP112282-1					FD of IAAP112282				0.30	0.3	U	
L1-E12-C004	IAAP112283					east wall BC 1 and 2				0.58	0.27	=	
L1-E12-C005	IAAP112284					south wall BC 2 and 3				29.00	0.29	=	
L1-E12-C006	IAAP112285					west wall BC 8, 9, and 10; 11 and 12				2.50	0.29	=	
L1-E12-C007	IAAP112286					floor of EXC				0.71	0.29	=	
L1-E14-C001	IAAP112292						EU5	D	14	north wall BC 1 and 8	0.31	0.31	U
L1-E14-C002	IAAP112293					east wall BC 1 and 2				0.48	0.32	=	
L1-E14-C004	IAAP112295					west wall BC 7 and 8				0.32	0.32	U	
L1-E14-C005	IAAP112296					floor of EXC				0.64	0.31	=	
L1-E15-C001	IAAP112297						EU5	E North	15	Wall BC 15, 1, & 2	0.47	0.29	=
L1-E15-C004	IAAP112298					Wall BC 2, 3, 4, 5, & 6				0.39	0.28	=	
L1-E15-C007	IAAP112301					Wall BC 9, 10, 11, 12, 13, 14, & 15				0.28	0.28	U	
L1-E15-C009	IAAP112303					Floor BC 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, & 15				0.52	0.3	=	
L1-E15-C012	IAAP113264					Wall BC 6, 7, 8, & 9				0.41	0.29	=	
L1-E15-C005	IAAP112299						EU5	E South	15	Wall BC 1, 2, 3, 4, 5, 6, and 7	2.00	0.29	J
L1-E15-C006	IAAP112300					Wall BC 7, 8, and 9				1.10	0.27	J	
L1-E15-C008	IAAP112302					Wall BC 9, 10, 11, and 12				0.30	0.3	UJ	
L1-E15-C010	IAAP112353					Wall BC 12, 13 and 1				0.30	0.3	UJ	
L1-E15-C017-P4	IAAP132502					Floor BC 1, 2, 3, 4, 5, 11, 12, and 13				0.06	0.25	J	
L1-E15-C021-P4	IAAP132648					Floor BC 5,6, 10 and 11				0.91	0.25	=	
L1-E15-C022-P4	IAAP132649					Floor BC 6, 7, 8, 9, and 10				0.86	0.25	=	
L1-E50-C001	IAAP138923						EU5	F	50	Wall BC 26, 27, 28, 29 and 30	0.25	0.25	U
L1-E50-C002	IAAP138924					Wall BC 17, 18, 19, 20, and 21				0.26	0.25	=	
L1-E50-C003	IAAP138925					Wall BC 21, 22, 23, 24, 25, and 26				0.25	0.25	U	
L1-E50-C004	IAAP138926					Floor BC 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 48, and 49				0.08	0.25	J	
L1-E50-C005	IAAP138927					Wall BC 30, 31, 32, 33, 34, 35, and 36				0.75	0.25	=	
L1-E50-C007	IAAP138929					Wall BC 36, 37, 38, 39, 40, and 41				0.50	0.25	=	
L1-E50-C008	IAAP138930					Wall BC 8, 9, 10, 11, 12, 13, 14, 15, 16, and 17				0.36	0.25	=	
L1-E50-C009	IAAP138931					Floor BC 16, 17, 49, 48, 30, 31, 32, 33, 34, 35, 36, 37, 38, and 50				0.23	0.25	J	
L1-E50-C010	IAAP138932					Floor BC 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 50, 38, 39, 40, 41, 46, and 47				0.26	0.25	=	
L1-E50-C011	IAAP139424					Wall BC 41, 42, 43, 44, and 45				0.09	0.25	J	
L1-E50-C012	IAAP139425					Wall BC 41 and 46				0.09	0.25	J	
L1-E50-C013	IAAP139426					Floor BC 41, 42, 43, 44, 45 and 46				0.25	0.25	U	
L1-E50-C016	IAAP139427					Wall BC 1, 2, 3, 4, 5, 6, 7, and 8				0.20	0.25	J	
L1-E17-C002	IAAP112310						EU5	G	17	east wall BC 8, 9, and 10	0.30	0.3	UJ
L1-E17-C011	IAAP131818					north wall BC 1, 2, and 3				0.08	0.25	J	
L1-E17-C009	IAAP131816					floor BC 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15 and 16				0.44	0.25	=	
L1-E17-C010	IAAP131817					floor BC 1, 2, 3, 4, 5, 16, and 17				0.25	0.25	U	

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	HMX		
											Result	DL	VQ
L1-E21-C001	IAAP112331						EU5	K	21	Wall BC 1 and 2	0.31	0.31	U
L1-E21-C002	IAAP112332					Wall BC 2 and 3				0.31	0.31	U	
L1-E21-C004	IAAP112334					Wall BC 1 and 23				0.30	0.3	U	
L1-E21-C005	IAAP112335					Floor BC 1, 2, 3, 24, and 23				0.35	0.35	U	
L1-E21-C010-P4	IAAP131855					Wall BC 4, 5, and 6				0.25	0.25	U	
L1-E21-C011-P4	IAAP131856					Wall BC 19, 20, 21, and 22				0.25	0.25	U	
L1-E21-C012-P4	IAAP131857					Floor BC 3, 4, 5, 6, 7, 8, 9, 18, 19, 20, 21, 22, 23, and 24				0.05	0.25	J	
L1-E1-C014	IAAP132640					Wall BC 9, 10, 11, and 12				0.17	0.25	J	
L1-E1-C015	IAAP132641					Wall BC 13, 14, 15, 16, 17, and 18				0.06	0.25	J	
L1-E21-C017	IAAP133121					Floor BC 9, 10, 11, 12, 13, 14, 15, 16, 17, and 18				0.25	0.25	U	
L1-E21-C020	IAAP133122					Floor BC 25, 26, 27, and 28				0.24	0.25	J	
L1-E21-C021	IAAP133123					Wall BC 26 and 27				0.10	0.25	J	
L1-E21-C022	IAAP133124					Wall BC 25 and 28				0.25	0.25	U	
L1-E21-C023	IAAP133125					Wall BC 27 and 28				0.26	0.25	=	
L1-E21-C024	IAAP133126					Wall BC 25 and 26				0.11	0.25	J	
L1-E55-C001	IAAP144023					Wall BC 1 and 13	1.60	0.25	=				
L1-E55-C004	IAAP144024					Wall BC 7 and 8	0.56	0.25	=				
L1-E55-C005	IAAP144025					Wall BC 6 and 7	0.60	0.25	=				
L1-E55-C006	IAAP144026					Floor BC 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, and 13	1.50	0.25	=				
L1-E55-C007	IAAP144027					Ramp BC 4, 5, 22 and 23	2.70	0.25	=				
L1-E55-C008	IAAP144028					Wall BC 19, 20, and 21 & BC 25 and 26	0.45	0.25	=				
L1-E55-C009	IAAP144029					Wall BC 14, 15, 27 and 28 & BC 1 and 2	3.40	0.25	=				
L1-E55-C010	IAAP144030					Wall BC 15 and 26	4.00	0.25	=				
L1-E55-C011	IAAP144031					Floor BC 14, 15, 26, 25, 16, 24, 17, 20, 21, 19, and 18	3.40	0.25	=				
L1-E56-C001	IAAP143936					Wall BC 1, 6, & 5	0.69	0.25	=				
L1-E56-C002	IAAP143937					Wall BC 2, 3, & 4	0.38	0.25	=				
L1-E56-C003	IAAP143938					Wall BC 4 & 5	0.70	0.25	=				
L1-E56-C004	IAAP143939					Floor BC 1, 2, 3, 4, 5, & 6	0.36	0.25	=				
L1-E57-C001	IAAP144578					Wall BC 16 & 17	0.42	0.25	=				
L1-E57-C002	IAAP144579					Wall BC 1 & 17	0.21	0.25	J				
L1-E57-C003	IAAP144580					Wall BC 15 & 16	1.40	0.25	=				
L1-E57-C004	IAAP144581					Floor BC 1, 15, 16 & 17	0.70	0.25	=				
L1-E57-C005	IAAP144582					Wall BC 13, 14, & 15	0.35	0.25	=				
L1-E57-C006	IAAP144583					Wall BC 12 & 13	1.10	0.25	=				
L1-E57-C007	IAAP144584					Wall BC 9, 10, 11, & 12	0.16	0.25	J				
L1-E57-C010	IAAP144585					Wall BC 5, 6, 7, 8, & 9	0.19	0.25	J				
L1-E57-C011	IAAP144586					Wall BC 3 & 4	0.75	0.25	=				
L1-E57-C012	IAAP144587					Floor BC 1, 2, 3, 8, 9, 10, 11, 12,13, 14, &15	1.40	0.25	=				
L1-E57-C013-P2	IAAP144941					Floor BC 3, 4, 5, 6, 7, & 8	0.62	0.25	=				
L1-E57-C014	IAAP144589					Wall BC 2 & 3	0.76	0.25	=				
L1-E57-C015	IAAP144590					Wall BC 1 & 2	0.43	0.25	=				

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	HMX					
											Result	DL	VQ			
L1-E58-C008	IAAP151730						EU5	Q	58	Wall BC 18, 19, & 20	0.25	0.25	J			
L1-E58-C009	IAAP151731											Wall BC 16, 17, & 18	0.07	0.24	J	
L1-E58-C010	IAAP151732											Wall BC 6, 7, 8, & 9	0.04	0.23	J	
L1-E58-C011	IAAP151733											Wall BC 9, 10, 11, & 12	0.24	0.24	U	
L1-E58-C013	IAAP151735											Wall BC 12 & 13	0.24	0.24	U	
L1-E58-C014	IAAP151736											Floor BC 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 16, 17, 18, 19, & 20	0.24	0.24	U	
L1-E58-C015	IAAP151737											Wall BC 15 & 16	0.23	0.23	U	
L1-E58-C016	IAAP151738											Wall BC 13 & 14	0.23	0.23	U	
L1-E58-C017	IAAP151739											Wall BC 14 & 15	0.22	0.22	U	
L1-E58-C018	IAAP151740											Floor BC 13, 14, 15, & 16	0.22	0.22	U	
L1-E58-C022-P2	IAAP165446											Floor 21, 22, 23, 36, 37, 38, 31, 32, 34, & 35	0.25	0.25	UJ	
L1-E58-C023-P3	IAAP165496											Wall BC 25 & 26	0.25	0.25	U	
L1-E58-C028	IAAP157270											Wall BC 33 & 63	0.15	0.25	J	
L1-E58-C029	IAAP157271											Wall BC 32 & 63	0.16	0.24	J	
L1-E58-C030-P4	IAAP166001											Floor BC 26, 27, 28, 29, 30, 31, & 38	0.10	0.25	J	
L1-E58-C031-P3	IAAP165556											Wall BC 26, 27, & 28	0.13	0.25	J	
L1-E58-C032	IAAP157274											Wall BC 61 & 62	0.09	0.24	J	
L1-E58-C034	IAAP157278											Wall BC 21 & 22	0.23	0.23	U	
L1-E58-C035-P2	IAAP165445											Wall BC 21, 35, & 34	0.25	0.25	UJ	
L1-E58-C036	IAAP165451											Wall BC 29, 30, 31, & 32	0.94	0.25	J	
L1-E58-C037	IAAP165495											Wall BC 22, 23, 24 & 25	0.25	0.25	U	
L1-E58-C038	IAAP165497											Floor BC 23, 24, 25, 26, 37, & 36	0.25	0.25	U	
L1-E58-C039	IAAP166000											Wall BC 28 & 29	0.25	0.25	U	
L1-E58-C040	IAAP166002											Wall BC 45, 46, 47, & 48	0.55	0.25	=	
L1-E58-C043	IAAP166003											Floor BC 40, 41, 42, 43, 44, 45, 46, 47, & 48	0.16	0.25	J	
L1-E58-C044	IAAP166004											Wall BC 40, 41, 42, & 43	0.41	0.25	=	
L1-E58-C045-P2	IAAP166379											Wall 55, 56, 57, 58, 59 & 60	2.20	0.25	=	
L1-E58-C046-P3	IAAP167012											Floor 50, 51, 52, 53, 54, 55, 56, 57, 58, 59 & 60	0.25	0.25	U	
L1-E58-C047	IAAP166009											Wall 50, 51, 52, 53, 54, & 55	0.30	0.25	=	
L1-E58-C048	IAAP167013											Wall BC 52 & 53	0.25	0.25	U	
L1-E58-C049	IAAP167014											Wall BC 55, 56, & 57	0.25	0.25	U	
L1-E58-C001	IAAP150654									EU5	Q North	58	Wall BC 1 & 2	0.25	0.25	U
L1-E58-C002	IAAP150655														Wall BC 3 & 4	0.25
L1-E58-C003	IAAP150657								Floor BC 1, 2, 3, & 4				0.09	0.25	J	
L1-E58-C004	IAAP150658								Wall BC 2 & 3				0.25	0.25	U	
L1-E58-C005	IAAP150656								Wall BC 1 & 4				0.25	0.25	U	
L1-E23-C009	IAAP137935					EU6	A	23	north wall BC7, 8, 9, 10, 11, and 12	0.50	0.25	=				
L1-E23-C010-P2	IAAP138635											south wall BC 1, 2, 3, and 4	0.18	0.25	J	
L1-E23-C011	IAAP137937											west wall BC 4, 5, 6, and 7	0.36	0.25	=	
L1-E23-C012	IAAP137938											floor of EXC	0.38	0.25	=	

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	HMX		
											Result	DL	VQ
L1-E47-C001	IAAP138781						EU6	B	47	floor of EXC	0.42	0.25	=
L1-E47-C002	IAAP138782					north wall BC 9, 10, 11, 12, and 1				0.25	0.25	=	
L1-E47-C003	IAAP138783					east wall BC 1, 2, and 3				0.25	0.25	U	
L1-E47-C004	IAAP138784					south wall BC 3, 4, 5, 6, and 7				0.46	0.25	=	
L1-E47-C005	IAAP138785					west wall BC 7, 8, and 9				0.25	0.25	U	
L1-E49-C001	IAAP138902						EU6	C	49	Floor BC 40, 41, 42, and 43	0.25	0.25	U
L1-E49-F001	IAAP138917					Wall BC 42 and 43				0.62	0.25	=	
L1-E49-C002	IAAP139501					Floor BC 36, 37, 38, and 39				0.15	0.25	J	
L1-E49-C003	IAAP139502					Wall BC 36 and 39				0.30	0.25	=	
L1-E49-C004	IAAP139828					Wall BC 31, 32, and 33				0.25	0.25	U	
L1-E49-C005-P2	IAAP140363					Wall BC 20, 22, 23, 24, 25, 26, 27, 30, and 31				0.29	0.25	=	
L1-E49-C006	IAAP139830					Wall BC 1, 2, 3, 4, 5, 6, 7, and 8				0.25	0.25	U	
L1-E49-C009	IAAP139831					Floor BC 1, 2, 3, 4, 5, 6, 7, 8, 29, 28, 27, 30, 31, 32, 33, 34, and 35				0.07	0.25	J	
L1-E49-C010-P2	IAAP140362					Floor BC 8, 9, 10, 11, 12, 21, 20, 22, 23, 24, 25, 26, 27, 28, and 29				0.19	0.25	J	
L1-E49-C011	IAAP139833					Wall BC 8, 9, 10, 11, and 12				1.30	0.25	=	
L1-E49-C012	IAAP139991					Wall BC 18, 19, and 20				0.28	0.25	=	
L1-E49-C013	IAAP139992					Wall BC 12, 13, 14, and 15				0.25	0.25	U	
L1-E49-C014	IAAP139993					Wall BC 15, 16, 17, and 18				0.22	0.25	J	
L1-E49-C015	IAAP139994					Floor BC 12, 13, 14, 15, 16, 17, 18, 19, 20, and 21				0.12	0.25	J	
L1-E51-C001	IAAP139117									EU6	D	51	Wall BC 1, 2, 3, and 4
L1-E51-C004	IAAP139118					Wall BC 4, 5, 6, and 7	0.25	0.25	U				
L1-E51-C005	IAAP139119					Wall BC 7, 8, and 9	0.25	0.25	U				
L1-E51-C006	IAAP139120					Wall BC 9, 10, and 1	0.25	0.25	U				
L1-E51-C007	IAAP139121					Floor BC 1, 2, 3, 4, 5, 6, 7, 8, 9, and 10	0.25	0.25	U				

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	HMX		
											Result	DL	VQ
L1-E24/25-C001	IAAP132628						EU7	A & B	24 & 25	Floor BC 20, 21, 22 & 23	0.32	0.25	=
L1-E24/25-C002	IAAP132629					Floor BC 13, 14, 15, 16, 17, 18, 19, 20, 23, & 24				0.29	0.25	=	
L1-E24/25-C003	IAAP132630					Floor BC 24, 26, 27, 28, 29, & 25				0.25	0.25	U	
L1-E24/25-C004	IAAP132631					Floor BC 11, 12, 13, 24, 25, & 29				0.25	0.25	U	
L1-E24/25-C005	IAAP132632					Floor BC 30, 53, 54, & 31				0.25	0.25	U	
L1-E24/25-C006	IAAP132633					Floor BC 8, 9, 10, 11, 29, 30, 31, & 32				0.05	0.25	J	
L1-E24/25-C009-P2	IAAP133094					Wall BC 17, 18, 19, & 20				0.09	0.25	J	
L1-E24/25-C010	IAAP132635					Wall BC 8, 9, 10, 11, 12, 13, 14, 15, 16, & 17				0.20	0.25	J	
L1-E24/25-C011	IAAP132636					Floor BC 1, 2, 3, 4, 5, 6, 44, 36, 37, 38, 39, 40, 41, 42, & 43				0.06	0.25	J	
L1-E24/25-C012	IAAP131881					Floor BC 6, 7, 8, 32, 33, 34, 46, 45, 36, & 44				0.24	0.25	J	
L1-E24/25-C013	IAAP131882					Wall BC 40, 41, 42, 43, & 1				0.13	0.25	J	
L1-E24/25-C014	IAAP131883					Wall BC 32 & 33				0.74	0.25	=	
L1-E24/25-C015	IAAP131884					Wall BC 2, 3, 4, 5, 6, 7, & 8				0.30	0.25	=	
L1-E24/25-C016-P2	IAAP133095					Wall BC 36, 37, 38, 39, & 40				0.10	0.25	J	
L1-E24/25-C017-P2	IAAP133096					Wall BC 33 & 34				0.25	0.25	U	
L1-E24/25-C018	IAAP140465					Wall BC 45, 36, 35, 52, & 51				0.27	0.25	=	
L1-E24/25-C021	IAAP140466					Wall BC 48 & 49				0.10	0.25	J	
L1-E24/25-C022	IAAP140467					Wall BC 46, 34, 47, & 48				0.08	0.25	J	
L1-E24/25-C023	IAAP140468					Wall BC 49, 50, & 51				0.25	0.25	U	
L1-E24/25-C024	IAAP140469					Floor BC 35, 34, 47, 48, 49, 50, 51, & 52				0.07	0.25	J	
L1-E24/25-C025-P2	IAAP141196					Floor BC 34, 35, 45, & 46				0.06	0.25	J	

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	HMX				
											Result	DL	VQ		
L1-E24/25-CO26	IAAP151199						EU7	A & B North	24 & 25	Wall BC 24 & 25	0.54	0.23	=		
L1-E24/25-CO27	IAAP151200											Wall BC 22, 23, & 24	0.29	0.24	=
L1-E24/25-CO28	IAAP151201											Wall BC 25, 26, 27, & 28	0.06	0.25	J
L1-E24/25-CO29	IAAP151202											Floor BC 22, 23 24, 25, 26, 27, & 28	0.48	0.25	=
L1-E24/25-C031	IAAP151488											Floor BC 3, 4, 5, 10, 11 12 13, 14, & 15	0.13	0.25	J
L1-E24/25-C032	IAAP151489											Wall BC 4 & 5	0.16	0.23	J
L1-E24/25-C033	IAAP151490											Wall BC 20 & 21	0.24	0.24	U
L1-E24/25-C034	IAAP151491											Wall BC 19 & 20	0.21	0.25	J
L1-E24/25-C036	IAAP151493											Wall BC 17 & 18	0.09	0.25	J
L1-E24/25-C037	IAAP151494											Wall BC 3 & 4	0.44	0.24	=
L1-E24/25-C040	IAAP151495											Ramp BC 1, 2, 3, 15, & 16	0.10	0.25	J
L1-E24/25-C041	IAAP151496											Wall BC 2 & 3	0.11	0.25	J
L1-E24/25-C043	IAAP151498											Wall BC 12, 13, 14, & 15	0.13	0.24	J
L1-E24/25-C044	IAAP151499											Wall BC 11 & 12	0.25	0.25	U
L1-E24/25-C030-P2	IAAP151698											Floor BC 17, 18, 19, 20, & 21	0.26	0.25	=
L1-E24/25-C035-P2	IAAP151697											Wall BC 18 & 19	0.25	0.25	U
L1-E24/25-C042-P2	IAAP151699											Wall BC 1, 16 & 15	0.52	0.24	=
L1-E24/25-C045	IAAP151700											Wall BC 8, 9, 10, & 11	0.24	0.24	U
L1-E24/25-C046	IAAP151701											Ramp BC 5, 6, 7, 8, 9, & 10	0.36	0.24	=
L1-E24/25-C049	IAAP151702											Wall BC 5 & 6	0.25	0.25	U
L1-E24/25-C050	IAAP151703								Wall BC 6 & 7	0.25	0.25	U			
L1-E26-C001	IAAP112372						EU7	C	26	north wall BC 1 and 4	0.32	0.32	UJ		
L1-E26-C002	IAAP112373											east wall BC 1 and 2	0.33	0.33	UJ
L1-E26-C003	IAAP112374											south wall BC 2 and 3	0.31	0.31	UJ
L1-E26-C004	IAAP112375											west wall BC 3 and 4	0.32	0.32	UJ
L1-E26-C005	IAAP112376											floor of EXC	0.34	0.34	UJ
L1-E26-C006	IAAP112376-1											FD of IAAP112376	0.34	0.34	UJ
L1-E27-C001-P3	IAAP138933						EU7	D	27	Wall BC 18 and 19	0.08	0.25	J		
L1-E27-C003-P4	IAAP139431											Wall BC 5, 21, and 11 & Wall BC 6, 7, and 8	0.25	0.25	U
L1-E27-C004-P3	IAAP138936											Wall BC 8, 9, 10, 11 and 12 & BC 13 and 14 & BC 17 and 18	1.40	0.25	=
L1-E27-C005-P3	IAAP138937											Floor BC 11, 12, 13, 14, 15, 16, 17, 18, 19, and 21	0.17	0.25	J
L1-E27-C009	IAAP138935											Wall BC 19 and 21	0.25	0.25	U
L1-E27-C010-P2	IAAP139428											Wall BC 2, 3, 4, 5, and 6	0.25	0.25	U
L1-E27-C011-P2	IAAP139429											Floor BC 3, 4, 5, 21, and 19	0.16	0.25	J
L1-E27-C012	IAAP139430											Ramp BC 1, 2, 3, 19, and 20	0.09	0.25	J
L1-E27-C013	IAAP139432											Floor BC 5, 6, 7, 8, 10, 11, and 21	0.25	0.25	U
L1-E27-C014	IAAP139433											Wall BC 14, 15, 16, and 17	0.31	0.25	=
L1-E27-C015	IAAP139434								Wall BC 12 and 13	0.25	0.25	U			
L1-E27-C016	IAAP140304								Boreholes west of steam line	0.25	0.25	U			

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	HMX		
											Result	DL	VQ
L1-E53-C001	IAAP139789						EU7	E	53	Wall BC 37, 38, 39, 40, 41, & 42	0.16	0.25	J
L1-E53-C002	IAAP139825					Wall BC 42 & 43				0.25	0.25	U	
L1-E53-C003	IAAP139826					Wall BC 37, 53, 52, & 51				0.20	0.25	J	
L1-E53-C004	IAAP139827					Floor BC 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, & 53				2.30	0.25	=	
L1-E53-C005-P2	IAAP146016					Wall BC 2 & 3				0.19	0.25	J	
L1-E53-C006	IAAP144924					Wall BC 3 & 4				0.06	0.25	J	
L1-E53-C007	IAAP144925					Wall BC 4, 5, & 6				1.30	0.25	=	
L1-E53-C008-P2	IAAP146017					Wall BC 6 & 7				3.20	0.25	=	
L1-E53-C009-P2	IAAP146018					Wall BC 7, 8, & 9				0.78	0.25	=	
L1-E53-C010	IAAP144928					Wall BC 9 & 10				7.30	0.25	=	
L1-E53-C011	IAAP144929					Wall BC 10 & 11				2.00	0.25	=	
L1-E53-C012	IAAP144930					Wall BC 11 & 12				5.10	0.25	=	
L1-E53-C013	IAAP144931					Wall BC 13 & 14				19.00	0.25	=	
L1-E53-C014	IAAP144932					Wall BC 14 & 15				1.80	0.25	=	
L1-E53-C015	IAAP144933					Wall BC 17 & 18				1.90	0.25	=	
L1-E53-C016	IAAP144934					Wall BC 18, 19, 20, & 21				0.44	0.25	=	
L1-E53-C017	IAAP144935					Wall BC 21 & 22				1.50	0.25	=	
L1-E53-C018-P2	IAAP146019					Wall BC 29, 30, 1, 2, 50 & 51				17.00	0.25	=	
L1-E53-C019-P2	IAAP146020					Floor BC 16, 17, 18, 19, 20, & 36				1.40	0.25	=	
L1-E53-C020	IAAP144938					Floor BC 9, 10, 11, 12, 13, 14, & 15				0.31	0.25	=	
L1-E53-C023-P2	IAAP146021					Floor BC 1, 6, 7, 8, 9, 16, 36, 20, 21, 22, 29, & 30	0.62	0.25	=				
L1-E53-C024	IAAP144940					Floor BC 1, 2, 3, 4, 5, & 6	0.72	0.25	=				
L1-E53-C025	IAAP145144					Ramp BC 22, 23, 24, 25, 26, 27, 28, & 29	0.19	0.25	J				
L1-E53-C026	IAAP145145					Wall BC 22, 23, 24, & 25	0.36	0.25	=				
L1-E53-C027	IAAP145146					Wall BC 26, 27, 28, & 29	0.69	0.25	=				
L1-E53-C028-P2	IAAP146023					Wall BC 31 & 35	0.08	0.25	J				
L1-E53-C029-P2	IAAP146025					Wall BC 34 & 35	0.06	0.25	J				
L1-E53-C030-P2	IAAP146022					Floor BC 31, 32, 33, 34, & 35	0.18	0.25	J				
L1-E53-C031	IAAP146024					Wall BC 31, 32, & 33	0.11	0.25	J				
L1-E32-C005-P2	IAAP150228					Wall BC 5 & 6	0.24	0.25	J				
L1-E32-C007-P2	IAAP150232					Floor BC 4, 5, 6, 7, 8, 30, 31, & 23	2.30	0.25	=				
L1-E32-C0011	IAAP150225					Floor BC 13, 14, 15, 16, 17, & 18	0.27	0.25	=				
L1-E32-C0012	IAAP150226					Wall BC 16 & 17	0.67	0.25	=				
L1-E32-C001-P3	IAAP150647					Ramp BC 1, 2, 3, 4, 23, 24, 25, 26, 27, 28, & 29	0.46	0.25	=				
L1-E32-C006-P3	IAAP150651					Wall BC 22, 31, 23, 24, & 25	1.00	0.25	=				
L1-E32-C008-P2	IAAP150650					Floor BC 8, 9, 10, 32, 11, 12, 13 18, 19, 20, 21, 22, 31, & 30	10.00	0.25	=				
L1-E32-C013-P2	IAAP150653					Wall BC 32, 11, 12, 13, 14, 15, & 16	0.20	0.25	J				
L1-E32-C014	IAAP150648					Wall BC 1, 2, 3, & 4	0.17	0.25	J				
L1-E32-C015	IAAP150649					Wall BC 4 & 5	0.12	0.25	J				
L1-E32-C016	IAAP150652					Wall BC 18, 19, 20, 21, & 22	1.20	0.25	=				

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	HMX		
											Result	DL	VQ
L1-E33-C006	IAAP150233						EU9B	C	33	Wall BC 10, 11, & 12	0.25	0.25	U
L1-E33-C007	IAAP150234					Wall BC 8, 9, & 10				0.25	0.25	U	
L1-E33-C008	IAAP150235					Floor BC 9, 10, 11, 12, 13, 14, 15, 30, 16, 17, 18, & 22				0.25	0.25	U	
L1-E33-C009	IAAP150236					Floor BC 7, 8, 9, 22, 18, 19, 20, & 21				0.25	0.25	U	
L1-E33-C010	IAAP150237					Wall BC 30, 16, 17, & 18				0.21	0.25	J	
L1-E32-C011-P2	IAAP150667					Wall BC 18, 19, 20, 26, 27, & 4				0.30	0.25	=	
L1-E32-C012	IAAP150659					Floor BC 1, 2, 3, 4, 29, 5, & 6				0.25	0.25	=	
L1-E32-C013	IAAP150660					Wall BC 1, 6, 5, & 29				0.10	0.25	J	
L1-E32-C015	IAAP150662					Wall BC 4 & 29				0.04	0.25	J	
L1-E32-C016	IAAP150663					Wall BC 3 & 23				0.26	0.25	=	
L1-E32-C017	IAAP150664					Wall 24, 25, & 26				0.25	0.25	U	
L1-E32-C018	IAAP150665					Wall 3, 28, & 27				0.07	0.25	J	
L1-E32-C019	IAAP150666					Floor BC 3, 23, 24, 25, 26, 27, & 28				0.25	0.25	U	
L1-E33-C020-P2	IAAP151144					Wall BC 8, 7, 24 & 23				0.25	0.25	U	
L1-E33-C023	IAAP151197					Wall BC 2 & 3				0.24	0.24	U	
L1-E33-C024	IAAP151198					Wall BC 1 & 2				0.24	0.24	U	
L1-E52-C001	IAAP139785						EU9B	D	52	East Wall BC 6, 7, & 8	0.07	0.25	J
L1-E52-C002	IAAP139786					South Wall BC 8, 9, 10, 11, 12, 13, & 14				0.04	0.25	J	
L1-E52-C003	IAAP139787					West Wall BC 14, 15, 16, 17, & 18				0.14	0.25	J	
L1-E52-C004	IAAP139788					Floor BC 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, & 22				0.36	0.25	=	
L1-E59-C001	IAAP146026						EU9B	E	59	Floor BC 1, 2, 3, 4, 5, 6, 7, 8, 9, & 10	0.25	0.25	U
L1-E59-C004	IAAP146027					Wall BC 7, 8, & 9				0.08	0.25	J	
L1-E59-C005-P2	IAAP146245					Wall BC 6 & 7				0.05	0.25	J	
L1-E59-C006	IAAP146029					Wall BC 5 & 6				0.25	0.25	U	
L1-E59-C007	IAAP146030					Wall BC 10, 1, 2, 3, 4, & 5	0.04	0.25	J				
L1-E36-C001	IAAP112472						EU9D	A	36	NE wall BC 1 and 8	0.30	0.3	U
L1-E36-C002	IAAP112473					SE wall BC 1 and 2; 3, 5, and 6				0.33	0.33	U	
L1-E36-C003	IAAP112474					SW wall BC 2 and 3; 6a and 7				0.29	0.29	U	
L1-E36-C004	IAAP112475					NW wall BC 7 and 8				0.29	0.29	U	
L1-E36-C005	IAAP112476					floor of EXC				0.29	0.29	U	
L1-E37-C001	IAAP112477						EU9D	B	37	NE wall BC 4, 5, 6, and 1	0.30	0.3	U
L1-E37-C002	IAAP112478					SE wall BC 1 and 2				0.31	0.31	U	
L1-E37-C003	IAAP112479					SW wall BC 2 and 3				0.30	0.3	U	
L1-E37-C004	IAAP112480					NW wall BC 3 and 4				0.29	0.29	U	
L1-E37-C005	IAAP112481					floor of EXC				0.31	0.31	U	

Notes:
 VQ symbols indicate: “=” positive identification, positive quantitation, no reason to estimate, “U” non-detect, no reason to estimate, “J” positive identification, estimated quantitation, “UJ” analyte was not detected and had QC deficiencies.

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	RDX		
											Result	DL	VQ
IAAP100010	IAAP100010	691780.86	93099.7	03/28/07	0	0.5					0.27	0.27	U
IAAP100011	IAAP100011	691787.31	93095.73	03/28/07	0	0.5					0.32	0.32	U
IAAP100012	IAAP100012	691778.68	93098.89	03/29/07	0	0.5					0.35	0.35	U
IAAP100013	IAAP100013	691779.96	93101.82	03/29/07	0	0.5					0.27	0.27	U
IAAP100031	IAAP100031	691727.31	93292.52	03/29/07	0	0.5					0.30	0.3	U
IAAP100034	IAAP100034	691728.18	93296.62	03/29/07	0	0.5					0.11	0.31	J
IAAP100035	IAAP100035	692005.58	92968.44	03/23/07	0	0.5					0.33	0.33	U
IAAP100037	IAAP100037	692014.14	92937.77	03/23/07	0	0.5					0.30	0.3	U
IAAP100038	IAAP100038	692031.34	92874.43	03/23/07	0	0.5					0.37	0.37	U
IAAP100039	IAAP100039	692024.18	92862.93	03/23/07	0	0.5					0.34	0.34	U
IAAP100040	IAAP100040	692000.86	92882.82	03/23/07	0	0.5					0.32	0.32	U
IAAP100041	IAAP100041	691961.46	92932.89	03/23/07	0	0.5					0.29	0.29	U
IAAP100042	IAAP100042	691968.62	92956.24	03/23/07	0	0.5					0.31	0.31	U
IAAP100077	IAAP100077	691941.41	92682.71	04/15/07	0	0.5					0.33	0.33	UJ
IAAP100080	IAAP100080	691883.53	92828.33	04/16/07	0	0.5					0.32	0.32	UJ
IAAP100081	IAAP100081	691880.11	92824.77	04/16/07	0	0.5					0.30	0.3	U
IAAP100082	IAAP100082	691846	92975.9	04/12/07	0	0.5					0.31	0.31	UJ
IAAP100083	IAAP100083	691833.02	92985.13	04/12/07	0	0.5					1.20	0.34	J
IAAP100084	IAAP100084	691817.45	92952.64	04/12/07	0	0.5					0.33	0.33	U
IAAP100085	IAAP100085	691825.93	92962.89	04/12/07	0	0.5					0.38	0.38	U
IAAP100086	IAAP100086	691816.47	92969.84	04/12/07	0	0.5					0.34	0.34	U
IAAP100089	IAAP100089	691777.81	92877.46	04/12/07	0	0.5					0.38	0.38	U
IAAP100090	IAAP100090	691736.11	92729.43	04/12/07	0	0.5					0.36	0.36	U
IAAP100091	IAAP100091	691735.21	92735.25	04/12/07	0	0.5					0.36	0.36	U
IAAP100092	IAAP100092	691738.56	92729.19	04/12/07	0	0.5					0.34	0.34	U
IAAP100093	IAAP100093	691685.73	92756.51	04/12/07	0	0.5					0.89	0.41	=
IAAP100094	IAAP100094	691692.38	92751.73	04/12/07	0	0.5					0.33	0.33	U
IAAP100097	IAAP100097	692027.57	92531.96	04/15/07	0	0.5					0.34	0.34	U
IAAP103929	IAAP103929	691846	92975.9	05/30/07	0	0.5					0.30	0.3	U
IAAP103933	IAAP103933	691894.16	92815.81	06/05/07	0	0.5					0.29	0.29	U
IAAP103934	IAAP103934	691888.07	92827.71	06/05/07	0	0.5					0.33	0.33	U
IAAP103935	IAAP103935	691882.21	92826.3	06/05/07	0	0.5					0.31	0.31	U
IAAP103937	IAAP103937	691786	92883	05/30/07	0	0.5					0.69	0.34	=
IAAP103945	IAAP103945	691737.12	92730.82	06/05/07	0	0.5					0.31	0.31	UJ
IAAP103946	IAAP103946	691713.63	92731.28	06/05/07	0	0.5					0.30	0.3	UJ
IAAP103947	IAAP103947	691671.41	92853.69	05/30/07	0	0.5					0.33	0.33	U
IAAP103955	IAAP103955	691976	92478	06/05/07	1	2					0.32	0.32	UJ
IAAP103955	IAAP103956	691976	92478	06/05/07	2	4					0.32	0.32	UJ
IAAP103960	IAAP103960	692036.54	92387.64	06/05/07	0	0.5					0.33	0.33	U
IAAP103961	IAAP103961	692032.45	92380.16	06/05/07	0	0.5					0.34	0.34	U
IAAP103962	IAAP103962	692031.92	92387.59	05/31/07	0	0.5					0.32	0.32	U
IAAP103966	IAAP103966	692011.9	92389.25	05/31/07	0	0.5					0.31	0.31	U
IAAP103985	IAAP103985	691740.96	92254.55	06/05/07	0	0.5					0.32	0.32	UJ

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	RDX		
											Result	DL	VQ
IAAP103986	IAAP103986	691694.87	92264.54	06/05/07	0	0.5					0.32	0.32	UJ
IAAP100042	IAAP103994	691968.62	92956.24	06/05/07	2	3					0.29	0.29	U
IAAP100041	IAAP103995	691961.46	92932.89	06/05/07	1	2					0.30	0.3	U
IAAP100035	IAAP103996	692005.58	92968.44	06/05/07	1	2					0.29	0.29	U
IAAP105943	IAAP105943	691813	92938	10/16/07	2	4					0.32	0.32	UJ
IAAP105943	IAAP105944	691813	92938	10/16/07	4	6					0.32	0.32	UJ
IAAP105960	IAAP105960	691945.85	92684.41	10/16/07	2	4					0.31	0.31	U
IAAP105962	IAAP105962	691936.3	92683.35	10/16/07	2	4					0.28	0.28	U
IAAP105964	IAAP105964	692019.34	92419.21	10/16/07	1	2					0.30	0.3	U
IAAP96927	IAAP111632	691998.35	92979.48	09/23/08	0	0.5					0.33	0.33	U
IAAP111640	IAAP111640	691877.22	93004.64	09/24/08	0	0.5					0.26	0.26	U
IAAP111641	IAAP111641	691884.21	92997.58	09/24/08	0	0.5					0.28	0.28	U
IAAP111642	IAAP111642	691886.13	92986.85	09/24/08	0	0.5					0.27	0.27	U
IAAP103924	IAAP111643	691875.87	92999.03	09/24/08	1	2					0.31	0.31	U
IAAP111646	IAAP111646	691813.97	92960.93	09/24/08	0	2					0.31	0.31	U
IAAP111646	IAAP111647	691813.97	92960.93	09/24/08	2	4					0.33	0.33	U
IAAP111646	IAAP111648	691813.97	92960.93	09/24/08	4	6					0.67	0.32	=
IAAP100084	IAAP111649	691817.45	92952.64	09/24/08	0.5	2					0.32	0.32	U
IAAP100084	IAAP111650	691817.45	92952.64	09/24/08	2	4					0.32	0.32	U
IAAP100084	IAAP111651	691817.45	92952.64	09/24/08	4	6					0.32	0.32	U
IAAP111652	IAAP111652	691848.62	92980.16	09/24/08	0	1					0.30	0.3	U
IAAP111652	IAAP111653	691848.62	92980.16	09/24/08	1	2					0.31	0.31	U
IAAP111655	IAAP111655	691895.09	92825.42	09/25/08	0	0.5					0.32	0.32	U
IAAP111663	IAAP111663	691685.3	92748	09/23/08	0	0.5					0.35	0.35	U
IAAP111666	IAAP111666	691678.31	92547.43	09/23/08	0	1					0.33	0.33	U
IAAP111666	IAAP111667	691678.31	92547.43	09/23/08	1	2					0.33	0.33	U
IAAP111666	IAAP111668	691678.31	92547.43	09/23/08	2	4					0.32	0.32	U
IAAP111670	IAAP111670	691927.99	92676.85	09/23/08	0	2					0.31	0.31	U
IAAP111670	IAAP111671	691927.99	92676.85	09/23/08	2	4					0.29	0.29	U
IAAP111672	IAAP111672	691939.08	92675.99	09/23/08	0	2					0.31	0.31	U
IAAP111672	IAAP111673	691939.08	92675.99	09/23/08	2	4					0.31	0.31	U
IAAP111679	IAAP111679	692014	92397	09/23/08	0	1					0.34	0.34	U
IAAP111679	IAAP111680	692014	92397	09/23/08	1	2					0.33	0.33	U
IAAP111681	IAAP111681	692018.19	92383.4	09/23/08	0	1					0.33	0.33	U
IAAP111681	IAAP111682	692018.19	92383.4	09/23/08	1	2					0.33	0.33	U
IAAP111721	IAAP111721	691752.34	92256.02	09/22/08	0	0.5					0.30	0.3	U
IAAP111722	IAAP111722	691750.74	92261.62	09/22/08	0	0.5					0.30	0.3	U
IAAP130287	IAAP130287	691817.89	92964.9	09/07/10	9.9	10.4					0.25	0.25	U
IAAP130287	IAAP130288	691817.89	92964.9	09/07/10	11	12					0.25	0.25	U
IAAP130287	IAAP130289	691817.89	92964.9	09/07/10	12	13					0.25	0.25	U
IAAP97020	IAAP130333	691695	92744	09/09/10	1	2					0.25	0.25	U

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	RDX		
											Result	DL	VQ
IAAP97020	IAAP130334	691695	92744	09/09/10	2	3					0.25	0.25	U
IAAP97020	IAAP130335	691695	92744	09/09/10	3	4					0.25	0.25	U
IAAP97020	IAAP130336	691695	92744	09/09/10	4	5					0.25	0.25	U
IAAP97020	IAAP130337	691695	92744	09/09/10	5	6					0.25	0.25	U
IAAP97020	IAAP130338	691695	92744	09/09/10	6	7					0.25	0.25	U
IAAP97020	IAAP130339	691695	92744	09/09/10	7	8					0.25	0.25	U
IAAP97020	IAAP130340	691695	92744	09/09/10	8	9					0.25	0.25	U
IAAP130342	IAAP130342	691691	92737	09/09/10	0	1					0.25	0.25	U
IAAP130342	IAAP130343	691691	92737	09/09/10	1	2					0.25	0.25	U
IAAP130342	IAAP130344	691691	92737	09/09/10	2	3					0.25	0.25	U
IAAP130342	IAAP130345	691691	92737	09/09/10	3	4					0.25	0.25	U
IAAP130342	IAAP130346	691691	92737	09/09/10	4	5					0.25	0.25	U
IAAP130342	IAAP130347	691691	92737	09/09/10	5	6					0.25	0.25	U
IAAP130342	IAAP130348	691691	92737	09/09/10	6	7					0.25	0.25	U
IAAP130342	IAAP130349	691691	92737	09/09/10	7	8					0.25	0.25	U
IAAP130342	IAAP130350	691691	92737	09/09/10	8	9					0.25	0.25	U
IAAP130342	IAAP130351	691691	92737	09/09/10	9	10					0.25	0.25	U
IAAP97029	IAAP130367	691930	92683	09/08/10	1	2					0.25	0.25	U
IAAP97029	IAAP130368	691930	92683	09/08/10	2	3					0.25	0.25	U
IAAP97029	IAAP130369	691930	92683	09/08/10	3	4					0.25	0.25	U
IAAP97029	IAAP130370	691930	92683	09/08/10	4	5					0.25	0.25	U
IAAP97029	IAAP130371	691930	92683	09/08/10	5	6					0.25	0.25	U
IAAP97029	IAAP130372	691930	92683	09/08/10	6	7					0.25	0.25	U
IAAP97029	IAAP130373	691930	92683	09/08/10	7	8					0.25	0.25	U
IAAP111670	IAAP130374	691927.99	92676.85	09/14/10	4	5					0.25	0.25	UJ
IAAP111670	IAAP130375	691927.99	92676.85	09/14/10	5	6					0.25	0.25	U
IAAP111670	IAAP130376	691927.99	92676.85	09/14/10	6	7					0.25	0.25	U
IAAP111670	IAAP130377	691927.99	92676.85	09/14/10	7	8					0.25	0.25	U
IAAP105964	IAAP130414	692019.34	92419.21	09/09/10	0	1					0.09	0.25	J
IAAP105964	IAAP130415	692019.34	92419.21	09/09/10	2	3					0.25	0.25	U
IAAP105964	IAAP130416	692019.34	92419.21	09/09/10	3	4					0.25	0.25	U
IAAP105964	IAAP130417	692019.34	92419.21	09/09/10	4	5					0.25	0.25	U
IAAP105964	IAAP130418	692019.34	92419.21	09/09/10	5	6					0.25	0.25	U
IAAP105964	IAAP130419	692019.34	92419.21	09/09/10	6	7					0.25	0.25	U
IAAP105964	IAAP130420	692019.34	92419.21	09/09/10	7	8					0.25	0.25	U
IAAP105964	IAAP130421	692019.34	92419.21	09/09/10	8	9					0.25	0.25	U
IAAP130422	IAAP130430	692016.33	92408.51	09/13/10	8	9					0.25	0.25	UJ
IAAP99934	IAAP130431	692030.09	92396.58	09/08/10	2	3					0.25	0.25	U
IAAP99934	IAAP130432	692030.09	92396.58	09/08/10	3	4					0.25	0.25	U
IAAP99934	IAAP130433	692030.09	92396.58	09/08/10	4	5					0.25	0.25	U
IAAP99934	IAAP130434	692030.09	92396.58	09/08/10	5	6					0.25	0.25	U

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	RDX		
											Result	DL	VQ
IAAP99934	IAAP130435	692030.09	92396.58	09/08/10	6	7					0.25	0.25	U
IAAP130436	IAAP130436	692033.78	92397.78	09/08/10	0	1					0.25	0.25	U
IAAP130436	IAAP130437	692033.78	92397.78	09/08/10	1	2					0.25	0.25	U
IAAP130436	IAAP130438	692033.78	92397.78	09/08/10	2	3					0.25	0.25	U
IAAP130436	IAAP130439	692033.78	92397.78	09/08/10	3	4					0.25	0.25	U
IAAP130436	IAAP130440	692033.78	92397.78	09/08/10	4	5					0.25	0.25	U
IAAP130436	IAAP130441	692033.78	92397.78	09/08/10	5	6					0.25	0.25	U
IAAP130436	IAAP130442	692033.78	92397.78	09/08/10	6	7					0.25	0.25	U
IAAP130461	IAAP130461	692011.4	92416.21	09/13/10	0	1					0.70	0.25	J
IAAP130461	IAAP130462	692011.4	92416.21	09/13/10	1	2					0.25	0.25	UJ
IAAP130461	IAAP130463	692011.4	92416.21	09/13/10	2	3					0.25	0.25	UJ
IAAP130461	IAAP130464	692011.4	92416.21	09/13/10	3	4					0.25	0.25	UJ
IAAP130461	IAAP130465	692011.4	92416.21	09/13/10	4	5					0.25	0.25	UJ
IAAP130461	IAAP130466	692011.4	92416.21	09/13/10	5	6					0.25	0.25	UJ
IAAP130461	IAAP130467	692011.4	92416.21	09/13/10	6	7					0.25	0.25	UJ
IAAP130461	IAAP130468	692011.4	92416.21	09/13/10	7	8					0.25	0.25	UJ
IAAP130461	IAAP130469	692011.4	92416.21	09/13/10	8	9					0.12	0.25	J
IAAP132548	IAAP132548	691985.39	92461.61	12/07/10	0	1					0.14	0.25	J
IAAP132548	IAAP132549	691985.39	92461.61	12/07/10	1	2					0.13	0.25	J
IAAP132548	IAAP132550	691985.39	92461.61	12/07/10	2	3					0.09	0.25	J
IAAP132548	IAAP132551	691985.39	92461.61	12/07/10	3	4					1.00	0.25	=
IAAP132548	IAAP132552	691985.39	92461.61	12/07/10	4	5					0.96	0.25	=
IAAP132548	IAAP132553	691985.39	92461.61	12/07/10	5	6					0.99	0.25	=
IAAP132554	IAAP132554	692017.39	92419.47	12/08/10	0	1					0.11	0.25	J
IAAP132554	IAAP132555	692017.39	92419.47	12/08/10	1	2					0.25	0.25	U
IAAP132554	IAAP132556	692017.39	92419.47	12/08/10	2	3					0.25	0.25	U
IAAP132554	IAAP132557	692017.39	92419.47	12/08/10	3	4					0.25	0.25	U
IAAP132554	IAAP132558	692017.39	92419.47	12/08/10	4	5					0.25	0.25	U
IAAP132554	IAAP132559	692017.39	92419.47	12/08/10	5	6					0.25	0.25	U
IAAP132560	IAAP132560	692009.98	92408.8	12/07/10	0	1					0.11	0.25	J
IAAP132560	IAAP132561	692009.98	92408.8	12/07/10	1	2					0.09	0.25	J
IAAP132560	IAAP132562	692009.98	92408.8	12/07/10	2	3					0.08	0.25	J
IAAP132560	IAAP132563	692009.98	92408.8	12/07/10	3	4					0.08	0.25	J
IAAP132560	IAAP132564	692009.98	92408.8	12/07/10	4	5					0.25	0.25	U
IAAP132560	IAAP132565	692009.98	92408.8	12/07/10	5	6					0.25	0.25	U
IAAP132566	IAAP132566	692020.12	92377.24	12/07/10	0	1					0.25	0.25	U
IAAP132566	IAAP132567	692020.12	92377.24	12/07/10	1	2					0.25	0.25	U
IAAP132566	IAAP132568	692020.12	92377.24	12/07/10	2	3					0.25	0.25	U
IAAP132566	IAAP132569	692020.12	92377.24	12/07/10	3	4					0.25	0.25	U
IAAP132566	IAAP132570	692020.12	92377.24	12/07/10	4	5					0.25	0.25	U
IAAP132566	IAAP132571	692020.12	92377.24	12/07/10	5	6					0.25	0.25	U

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	RDX		
											Result	DL	VQ
IAAP132584	IAAP132584	691993.3	92446.6	12/07/10	0	1					0.25	0.25	U
IAAP132584	IAAP132585	691993.3	92446.6	12/07/10	1	2					0.25	0.25	U
IAAP132584	IAAP132586	691993.3	92446.6	12/07/10	2	3					0.25	0.25	U
IAAP132584	IAAP132587	691993.3	92446.6	12/07/10	3	4					0.25	0.25	U
IAAP132584	IAAP132588	691993.3	92446.6	12/07/10	4	5					0.25	0.25	U
IAAP132584	IAAP132589	691993.3	92446.6	12/07/10	5	6					0.12	0.25	J
IAAP132590	IAAP132590	692004.8	92423.59	12/07/10	0	1					0.25	0.25	U
IAAP132590	IAAP132591	692004.8	92423.59	12/07/10	1	2					0.25	0.25	U
IAAP132590	IAAP132592	692004.8	92423.59	12/07/10	2	3					0.25	0.25	U
IAAP132590	IAAP132593	692004.8	92423.59	12/07/10	3	4					0.25	0.25	U
IAAP132590	IAAP132594	692004.8	92423.59	12/07/10	4	5					0.25	0.25	U
IAAP132590	IAAP132595	692004.8	92423.59	12/07/10	5	6					0.25	0.25	U
IAAP132602	IAAP132602	692021.1	92375.6	12/08/10	0	1					0.08	0.25	J
IAAP132602	IAAP132603	692021.1	92375.6	12/08/10	1	2					0.25	0.25	U
IAAP132602	IAAP132604	692021.1	92375.6	12/08/10	2	3					0.25	0.25	U
IAAP132602	IAAP132605	692021.1	92375.6	12/08/10	3	4					0.25	0.25	U
IAAP132602	IAAP132606	692021.1	92375.6	12/08/10	4	5					0.25	0.25	U
IAAP132602	IAAP132607	692021.1	92375.6	12/08/10	5	6					0.25	0.25	U
IAAP132608	IAAP132608	692034.8	92362.03	12/08/10	0	1					0.25	0.25	U
IAAP132608	IAAP132609	692034.8	92362.03	12/08/10	1	2					0.08	0.25	J
IAAP132608	IAAP132610	692034.8	92362.03	12/08/10	2	3					0.08	0.25	J
IAAP132608	IAAP132611	692034.8	92362.03	12/08/10	3	4					0.18	0.25	J
IAAP132608	IAAP132612	692034.8	92362.03	12/08/10	4	5					0.22	0.25	J
IAAP132608	IAAP132613	692034.8	92362.03	12/08/10	5	6					0.31	0.25	=
IAAP132560	IAAP132614	692009.98	92408.8	12/07/10	6.4	6.6					0.25	0.25	U
IAAP132590	IAAP132616	692004.8	92423.59	12/07/10	8.5	8.6					0.06	0.25	J
IAAP132602	IAAP132618	692021.1	92375.6	12/08/10	9.5	10					0.25	0.25	U
IAAP133133	IAAP133133	691985.5	92460.74	12/08/10	0	1					0.08	0.25	J
IAAP133133	IAAP133134	691985.5	92460.74	12/08/10	1	2					0.13	0.25	J
IAAP133133	IAAP133135	691985.5	92460.74	12/08/10	2	3					0.25	0.25	U
IAAP135624	IAAP135624	691980.88	92492.22	04/12/11	0	1					0.25	0.25	U
IAAP135624	IAAP135625	691980.88	92492.22	04/12/11	1	2					0.25	0.25	U
IAAP135624	IAAP135626	691980.88	92492.22	04/12/11	2	3					0.25	0.25	U
IAAP135624	IAAP135627	691980.88	92492.22	04/12/11	3	4					0.25	0.25	U
IAAP135624	IAAP135628	691980.88	92492.22	04/12/11	4	5					0.25	0.25	U
IAAP135624	IAAP135629	691980.88	92492.22	04/12/11	5	6					0.25	0.25	U
IAAP135630	IAAP135630	691983.2	92499.09	04/12/11	0	1					0.25	0.25	U
IAAP135630	IAAP135631	691983.2	92499.09	04/12/11	1	2					0.25	0.25	U
IAAP135630	IAAP135632	691983.2	92499.09	04/12/11	2	3					0.25	0.25	U
IAAP135630	IAAP135633	691983.2	92499.09	04/12/11	3	4					0.25	0.25	U
IAAP135630	IAAP135634	691983.2	92499.09	04/12/11	4	5					0.25	0.25	U

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	RDX		
											Result	DL	VQ
IAAP135630	IAAP135635	691983.2	92499.09	04/12/11	5	6					0.25	0.25	U
IAAP135642	IAAP135642	691979	92523.18	04/12/11	0	1					0.25	0.25	U
IAAP135642	IAAP135643	691979	92523.18	04/12/11	1	2					0.25	0.25	U
IAAP135642	IAAP135644	691979	92523.18	04/12/11	2	3					0.08	0.25	J
IAAP135642	IAAP135645	691979	92523.18	04/12/11	3	4					0.10	0.25	J
IAAP135642	IAAP135646	691979	92523.18	04/12/11	4	5					0.25	0.25	U
IAAP135642	IAAP135647	691979	92523.18	04/12/11	5	6					0.25	0.25	U
IAAP135648	IAAP135648	691977.06	92526.48	04/12/11	0	1					0.25	0.25	U
IAAP135648	IAAP135649	691977.06	92526.48	04/12/11	1	2					0.25	0.25	U
IAAP135648	IAAP135650	691977.06	92526.48	04/12/11	2	3					0.25	0.25	U
IAAP135648	IAAP135651	691977.06	92526.48	04/12/11	3	4					0.25	0.25	U
IAAP135648	IAAP135652	691977.06	92526.48	04/12/11	4	5					0.10	0.25	J
IAAP135648	IAAP135653	691977.06	92526.48	04/12/11	5	6					0.20	0.25	J
IAAP135672	IAAP135672	691966.97	92559.46	04/13/11	0	1					0.25	0.25	U
IAAP135672	IAAP135673	691966.97	92559.46	04/13/11	1	2					0.25	0.25	U
IAAP135672	IAAP135674	691966.97	92559.46	04/13/11	2	3					0.25	0.25	U
IAAP135672	IAAP135675	691966.97	92559.46	04/13/11	3	4					0.25	0.25	U
IAAP135672	IAAP135676	691966.97	92559.46	04/13/11	4	5					0.25	0.25	U
IAAP135672	IAAP135677	691966.97	92559.46	04/13/11	5	6					0.25	0.25	U
IAAP135678	IAAP135678	691962.25	92572.14	04/13/11	0	1					0.25	0.25	U
IAAP135678	IAAP135679	691962.25	92572.14	04/13/11	1	2					0.25	0.25	U
IAAP135678	IAAP135680	691962.25	92572.14	04/13/11	2	3					0.25	0.25	U
IAAP135678	IAAP135681	691962.25	92572.14	04/13/11	3	4					0.25	0.25	U
IAAP135678	IAAP135682	691962.25	92572.14	04/13/11	4	5					0.25	0.25	U
IAAP135678	IAAP135683	691962.25	92572.14	04/13/11	5	6					0.25	0.25	U
IAAP135684	IAAP135684	691961.6	92575.74	04/13/11	0	1					0.25	0.25	U
IAAP135684	IAAP135685	691961.6	92575.74	04/13/11	1	2					0.25	0.25	U
IAAP135684	IAAP135686	691961.6	92575.74	04/13/11	2	3					0.25	0.25	U
IAAP135684	IAAP135687	691961.6	92575.74	04/13/11	3	4					0.25	0.25	U
IAAP135684	IAAP135688	691961.6	92575.74	04/13/11	4	5					0.25	0.25	U
IAAP135684	IAAP135689	691961.6	92575.74	04/13/11	5	6					0.25	0.25	U
IAAP135690	IAAP135690	691957.18	92589.23	04/13/11	0	1					0.25	0.25	U
IAAP135690	IAAP135691	691957.18	92589.23	04/13/11	1	2					0.25	0.25	U
IAAP135690	IAAP135692	691957.18	92589.23	04/13/11	2	3					0.25	0.25	U
IAAP135690	IAAP135693	691957.18	92589.23	04/13/11	3	4					0.25	0.25	U
IAAP135690	IAAP135694	691957.18	92589.23	04/13/11	4	5					0.25	0.25	U
IAAP135690	IAAP135695	691957.18	92589.23	04/13/11	5	6					0.25	0.25	U
IAAP135696	IAAP135696	691953.6	92600.02	04/13/11	0	1					0.25	0.25	U
IAAP135696	IAAP135697	691953.6	92600.02	04/13/11	1	2					0.25	0.25	U
IAAP135696	IAAP135698	691953.6	92600.02	04/13/11	2	3					0.25	0.25	U
IAAP135696	IAAP135699	691953.6	92600.02	04/13/11	3	4					0.25	0.25	U

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	RDX		
											Result	DL	VQ
IAAP135696	IAAP135700	691953.6	92600.02	04/13/11	4	5					0.25	0.25	U
IAAP135696	IAAP135701	691953.6	92600.02	04/13/11	5	6					0.25	0.25	U
IAAP135702	IAAP135702	691943.2	92622.73	04/13/11	0	1					0.25	0.25	U
IAAP135702	IAAP135703	691943.2	92622.73	04/13/11	1	2					0.25	0.25	U
IAAP135702	IAAP135704	691943.2	92622.73	04/13/11	2	3					0.25	0.25	U
IAAP135702	IAAP135705	691943.2	92622.73	04/13/11	3	4					0.25	0.25	U
IAAP135702	IAAP135706	691943.2	92622.73	04/13/11	4	5					0.25	0.25	U
IAAP135702	IAAP135707	691943.2	92622.73	04/13/11	5	6					0.25	0.25	U
IAAP135708	IAAP135708	691942.51	92624.81	04/13/11	0	1					0.25	0.25	U
IAAP135708	IAAP135709	691942.51	92624.81	04/13/11	1	2					0.25	0.25	U
IAAP135708	IAAP135710	691942.51	92624.81	04/13/11	2	3					0.25	0.25	U
IAAP135708	IAAP135711	691942.51	92624.81	04/13/11	3	4					0.25	0.25	U
IAAP135708	IAAP135712	691942.51	92624.81	04/13/11	4	5					0.25	0.25	U
IAAP135708	IAAP135713	691942.51	92624.81	04/13/11	5	6					0.25	0.25	U
IAAP135714	IAAP135714	691941.17	92628.8	04/13/11	0	1					0.25	0.25	U
IAAP135714	IAAP135715	691941.17	92628.8	04/13/11	1	2					0.25	0.25	U
IAAP135714	IAAP135716	691941.17	92628.8	04/13/11	2	3					0.25	0.25	U
IAAP135714	IAAP135717	691941.17	92628.8	04/13/11	3	4					0.25	0.25	U
IAAP135714	IAAP135718	691941.17	92628.8	04/13/11	4	5					0.25	0.25	U
IAAP135714	IAAP135719	691941.17	92628.8	04/13/11	5	6					0.25	0.25	U
IAAP135720	IAAP135720	691939.44	92633.99	04/13/11	0	1					0.25	0.25	U
IAAP135720	IAAP135721	691939.44	92633.99	04/13/11	1	2					0.25	0.25	U
IAAP135720	IAAP135722	691939.44	92633.99	04/13/11	2	3					0.25	0.25	U
IAAP135720	IAAP135723	691939.44	92633.99	04/13/11	3	4					0.25	0.25	U
IAAP135720	IAAP135724	691939.44	92633.99	04/13/11	4	5					0.25	0.25	U
IAAP135720	IAAP135725	691939.44	92633.99	04/13/11	5	6					0.25	0.25	U
IAAP135726	IAAP135726	691938.97	92635.4	04/13/11	0	1					0.25	0.25	U
IAAP135726	IAAP135727	691938.97	92635.4	04/13/11	1	2					0.25	0.25	U
IAAP135726	IAAP135728	691938.97	92635.4	04/13/11	2	3					0.25	0.25	U
IAAP135726	IAAP135729	691938.97	92635.4	04/13/11	3	4					0.25	0.25	U
IAAP135726	IAAP135730	691938.97	92635.4	04/13/11	4	5					0.25	0.25	U
IAAP135726	IAAP135731	691938.97	92635.4	04/13/11	5	6					0.25	0.25	U
IAAP135732	IAAP135732	691935	92647.27	04/13/11	0	1					0.25	0.25	U
IAAP135732	IAAP135733	691935	92647.27	04/13/11	1	2					0.25	0.25	U
IAAP135732	IAAP135734	691935	92647.27	04/13/11	2	3					0.25	0.25	U
IAAP135732	IAAP135735	691935	92647.27	04/13/11	3	4					0.25	0.25	U
IAAP135732	IAAP135736	691935	92647.27	04/13/11	4	5					0.25	0.25	U
IAAP135732	IAAP135737	691935	92647.27	04/13/11	5	6					0.25	0.25	U
IAAP135738	IAAP135738	691931.22	92658.59	04/14/11	0	1					0.08	0.25	J
IAAP135738	IAAP135739	691931.22	92658.59	04/14/11	1	2					0.25	0.25	U
IAAP135738	IAAP135740	691931.22	92658.59	04/14/11	2	3					0.25	0.25	U

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	RDX		
											Result	DL	VQ
IAAP135738	IAAP135741	691931.22	92658.59	04/14/11	3	4					0.16	0.25	J
IAAP135738	IAAP135742	691931.22	92658.59	04/14/11	4	5					0.25	0.25	U
IAAP135738	IAAP135743	691931.22	92658.59	04/14/11	5	6					0.25	0.25	U
IAAP135744	IAAP135744	691926.8	92671.89	04/14/11	0	1					0.25	0.25	U
IAAP135744	IAAP135745	691926.8	92671.89	04/14/11	1	2					0.25	0.25	U
IAAP135744	IAAP135746	691926.8	92671.89	04/14/11	2	3					0.14	0.25	J
IAAP135744	IAAP135747	691926.8	92671.89	04/14/11	3	4					0.27	0.25	=
IAAP135744	IAAP135748	691926.8	92671.89	04/14/11	4	5					0.19	0.25	J
IAAP135744	IAAP135749	691926.8	92671.89	04/14/11	5	6					0.17	0.25	J
IAAP135750	IAAP135750	691925.92	92674.48	04/14/11	0	1					0.25	0.25	U
IAAP135750	IAAP135751	691925.92	92674.48	04/14/11	1	2					0.25	0.25	U
IAAP135750	IAAP135752	691925.92	92674.48	04/14/11	2	3					0.25	0.25	U
IAAP135750	IAAP135753	691925.92	92674.48	04/14/11	3	4					0.25	0.25	U
IAAP135750	IAAP135754	691925.92	92674.48	04/14/11	4	5					0.25	0.25	U
IAAP135750	IAAP135755	691925.92	92674.48	04/14/11	5	6					0.25	0.25	U
IAAP135756	IAAP135756	691923.6	92681.41	04/14/11	0	1					0.25	0.25	U
IAAP135756	IAAP135757	691923.6	92681.41	04/14/11	1	2					0.25	0.25	U
IAAP135756	IAAP135758	691923.6	92681.41	04/14/11	2	3					0.25	0.25	U
IAAP135756	IAAP135759	691923.6	92681.41	04/14/11	3	4					0.25	0.25	U
IAAP135756	IAAP135760	691923.6	92681.41	04/14/11	4	5					0.25	0.25	U
IAAP135756	IAAP135761	691923.6	92681.41	04/14/11	5	6					0.25	0.25	U
IAAP135762	IAAP135762	691918.6	92696.36	04/14/11	0	1					0.25	0.25	U
IAAP135762	IAAP135763	691918.6	92696.36	04/14/11	1	2					0.25	0.25	U
IAAP135762	IAAP135764	691918.6	92696.36	04/14/11	2	3					0.25	0.25	U
IAAP135762	IAAP135765	691918.6	92696.36	04/14/11	3	4					0.25	0.25	U
IAAP135762	IAAP135766	691918.6	92696.36	04/14/11	4	5					0.25	0.25	U
IAAP135762	IAAP135767	691918.6	92696.36	04/14/11	5	6					0.25	0.25	U
IAAP135768	IAAP135768	691912.95	92713.28	04/14/11	0	1					0.25	0.25	U
IAAP135768	IAAP135769	691912.95	92713.28	04/14/11	1	2					0.25	0.25	U
IAAP135768	IAAP135770	691912.95	92713.28	04/14/11	2	3					0.25	0.25	U
IAAP135768	IAAP135771	691912.95	92713.28	04/14/11	3	4					0.25	0.25	U
IAAP135768	IAAP135772	691912.95	92713.28	04/14/11	4	5					0.25	0.25	U
IAAP135768	IAAP135773	691912.95	92713.28	04/14/11	5	6					0.25	0.25	U
IAAP135774	IAAP135774	691910.4	92720.78	04/14/11	0	1					0.25	0.25	U
IAAP135774	IAAP135775	691910.4	92720.78	04/14/11	1	2					0.25	0.25	U
IAAP135774	IAAP135776	691910.4	92720.78	04/14/11	2	3					0.10	0.25	J
IAAP135774	IAAP135777	691910.4	92720.78	04/14/11	3	4					0.25	0.25	U
IAAP135774	IAAP135778	691910.4	92720.78	04/14/11	4	5					0.25	0.25	U
IAAP135774	IAAP135779	691910.4	92720.78	04/14/11	5	6					0.25	0.25	U
IAAP135780	IAAP135780	691914.76	92728.82	04/14/11	0	1					0.13	0.25	J
IAAP135780	IAAP135781	691914.76	92728.82	04/14/11	1	2					0.25	0.25	U

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	RDX		
											Result	DL	VQ
IAAP135780	IAAP135782	691914.76	92728.82	04/14/11	2	3					0.25	0.25	U
IAAP135780	IAAP135783	691914.76	92728.82	04/14/11	3	4					0.25	0.25	U
IAAP135780	IAAP135784	691914.76	92728.82	04/14/11	4	5					0.25	0.25	U
IAAP135780	IAAP135785	691914.76	92728.82	04/14/11	5	6					0.25	0.25	U
IAAP135786	IAAP135786	691924.4	92732.09	04/14/11	0	1					0.25	0.25	U
IAAP135786	IAAP135787	691924.4	92732.09	04/14/11	1	2					0.25	0.25	U
IAAP135786	IAAP135788	691924.4	92732.09	04/14/11	2	3					0.25	0.25	U
IAAP135786	IAAP135789	691924.4	92732.09	04/14/11	3	4					0.25	0.25	U
IAAP135786	IAAP135790	691924.4	92732.09	04/14/11	4	5					0.25	0.25	U
IAAP135630	IAAP135798	691983.2	92499.09	04/12/11	3.5	4					0.25	0.25	U
IAAP135774	IAAP135801	691910.4	92720.78	04/14/11	8.5	8.9					0.25	0.25	U
IAAP136603	IAAP136603	691990.48	93027.37	05/04/11	0	1					0.25	0.25	U
IAAP136603	IAAP136604	691990.48	93027.37	05/04/11	1	2					0.25	0.25	U
IAAP136603	IAAP136607	691990.48	93027.37	05/04/11	4	5					0.25	0.25	U
IAAP136603	IAAP136608	691990.48	93027.37	05/04/11	5	6					0.25	0.25	U
IAAP136615	IAAP136615	692002.23	92440.11	05/04/11	0	1					0.25	0.25	U
IAAP136615	IAAP136616	692002.23	92440.11	05/04/11	1	2					0.25	0.25	U
IAAP136615	IAAP136617	692002.23	92440.11	05/04/11	2	3					0.25	0.25	U
IAAP136615	IAAP136618	692002.23	92440.11	05/04/11	3	4					0.25	0.25	U
IAAP136615	IAAP136619	692002.23	92440.11	05/04/11	4	5					0.25	0.25	U
IAAP136615	IAAP136620	692002.23	92440.11	05/04/11	5	6					0.25	0.25	U
IAAP136621	IAAP136621	692000.16	92433.35	05/03/11	0	1					0.25	0.25	U
IAAP136621	IAAP136622	692000.16	92433.35	05/03/11	1	2					0.25	0.25	U
IAAP136621	IAAP136623	692000.16	92433.35	05/03/11	2	3					0.25	0.25	U
IAAP136621	IAAP136626	692000.16	92433.35	05/03/11	5	6					0.25	0.25	U
IAAP136627	IAAP136627	691984.57	92430.72	05/04/11	0	1					0.25	0.25	U
IAAP136627	IAAP136628	691984.57	92430.72	05/04/11	1	2					0.25	0.25	U
IAAP136627	IAAP136629	691984.57	92430.72	05/04/11	2	3					0.25	0.25	U
IAAP136627	IAAP136630	691984.57	92430.72	05/04/11	3	4					0.25	0.25	U
IAAP136627	IAAP136631	691984.57	92430.72	05/04/11	4	5					0.09	0.25	J
IAAP136627	IAAP136632	691984.57	92430.72	05/04/11	5	6					0.31	0.25	=
IAAP136633	IAAP136633	692028.24	92370.53	05/04/11	0	1					22.00	0.25	=
IAAP136633	IAAP136634	692028.24	92370.53	05/04/11	1	2					12.00	0.25	=
IAAP136633	IAAP136635	692028.24	92370.53	05/04/11	2	3					1.40	0.25	=
IAAP136633	IAAP136636	692028.24	92370.53	05/04/11	3	4					1.90	0.25	=
IAAP136633	IAAP136637	692028.24	92370.53	05/04/11	4	5					2.70	0.25	=
IAAP136633	IAAP136638	692028.24	92370.53	05/04/11	5	6					0.57	0.25	=
IAAP136639	IAAP136639	692028.32	92354.72	05/04/11	0	1					0.25	0.25	U
IAAP136639	IAAP136640	692028.32	92354.72	05/04/11	1	2					0.25	0.25	U
IAAP136639	IAAP136641	692028.32	92354.72	05/04/11	2	3					0.25	0.25	U
IAAP136639	IAAP136642	692028.32	92354.72	05/04/11	3	4					0.16	0.25	J

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	RDX		
											Result	DL	VQ
IAAP136639	IAAP136643	692028.32	92354.72	05/04/11	4	5					0.25	0.25	U
IAAP136639	IAAP136644	692028.32	92354.72	05/04/11	5	6					0.25	0.25	U
IAAP136654	IAAP136654	691990.21	92473.36	05/02/11	5	6					0.25	0.25	U
IAAP136656	IAAP136656	691972.56	92463.97	05/03/11	5	6					0.25	0.25	U
IAAP136658	IAAP136658	692002.51	92428.93	05/04/11	0	1					0.25	0.25	U
IAAP136663	IAAP136663	692014.03	92365.71	05/03/11	5	6					0.25	0.25	U
IAAP136664	IAAP136664	692018.77	92367.32	05/04/11	0	1					0.25	0.25	U
IAAP136664	IAAP136665	692018.77	92367.32	05/04/11	1	2					0.25	0.25	U
IAAP136664	IAAP136666	692018.77	92367.32	05/04/11	2	3					0.10	0.25	J
IAAP136664	IAAP136667	692018.77	92367.32	05/04/11	3	4					0.16	0.25	J
IAAP136664	IAAP136668	692018.77	92367.32	05/04/11	4	5					0.18	0.25	J
IAAP136664	IAAP136669	692018.77	92367.32	05/04/11	5	6					0.78	0.25	=
IAAP136670	IAAP136670	692034.54	92374.38	05/03/11	0	1					0.25	0.25	U
IAAP136670	IAAP136671	692034.54	92374.38	05/03/11	1	2					0.08	0.25	J
IAAP136670	IAAP136672	692034.54	92374.38	05/03/11	2	3					0.25	0.25	U
IAAP136670	IAAP136673	692034.54	92374.38	05/03/11	3	4					0.25	0.25	U
IAAP136670	IAAP136674	692034.54	92374.38	05/03/11	4	5					0.25	0.25	U
IAAP136670	IAAP136675	692034.54	92374.38	05/03/11	5	6					0.25	0.25	U
IAAP136676	IAAP136676	691938	92733.88	05/16/11	0	1					0.25	0.25	U
IAAP136677	IAAP136677	691930.96	92723.63	05/16/11	0	1					0.25	0.25	U
IAAP136678	IAAP136678	691973.09	92556.21	05/18/11	5	6					0.25	0.25	U
IAAP136679	IAAP136679	691958.86	92551.46	05/17/11	0	1					0.25	0.25	U
IAAP136681	IAAP136681	691961.63	92544.56	05/17/11	2	3					0.25	0.25	U
IAAP136682	IAAP136682	691989.82	92522.98	05/17/11	0.5	1.5					0.36	0.25	=
IAAP136683	IAAP136683	691981.92	92515.07	05/18/11	0	1					0.23	0.25	J
IAAP136683	IAAP136684	691981.92	92515.07	05/18/11	4	5					0.25	0.25	U
IAAP136685	IAAP136685	691970.85	92516.65	05/17/11	0	1					0.25	0.25	U
IAAP136686	IAAP136686	691983.5	92510.33	05/17/11	0	1					0.25	0.25	U
IAAP136686	IAAP136687	691983.5	92510.33	05/17/11	1	2					0.25	0.25	U
IAAP136686	IAAP136688	691983.5	92510.33	05/17/11	2	3					0.25	0.25	U
IAAP136686	IAAP136689	691983.5	92510.33	05/17/11	3	4					0.25	0.25	U
IAAP136686	IAAP136690	691983.5	92510.33	05/17/11	4	5					0.25	0.25	U
IAAP136686	IAAP136691	691983.5	92510.33	05/17/11	5	6					0.25	0.25	U
IAAP136775	IAAP136775	691933.21	92732.44	05/18/11	0	1					0.11	0.25	J
IAAP136775	IAAP136776	691933.21	92732.44	05/18/11	1	2					0.25	0.25	UJ
IAAP136775	IAAP136777	691933.21	92732.44	05/18/11	2	3					0.25	0.25	UJ
IAAP136775	IAAP136778	691933.21	92732.44	05/18/11	3	4					0.07	0.25	J
IAAP136775	IAAP136779	691933.21	92732.44	05/18/11	4	5					0.25	0.25	UJ
IAAP136775	IAAP136780	691933.21	92732.44	05/18/11	5	6					0.25	0.25	UJ
IAAP136781	IAAP136781	691929.35	92728.37	05/18/11	0	1					0.25	0.25	UJ
IAAP136781	IAAP136782	691929.35	92728.37	05/18/11	1	2					0.25	0.25	UJ

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	RDX		
											Result	DL	VQ
IAAP136781	IAAP136783	691929.35	92728.37	05/18/11	2	3					0.25	0.25	UJ
IAAP136781	IAAP136784	691929.35	92728.37	05/18/11	3	4					0.25	0.25	UJ
IAAP136781	IAAP136785	691929.35	92728.37	05/18/11	4	5					0.25	0.25	UJ
IAAP136781	IAAP136786	691929.35	92728.37	05/18/11	5	6					0.25	0.25	UJ
IAAP136787	IAAP136787	691976.83	92560.81	05/17/11	0	1					0.25	0.25	UJ
IAAP136787	IAAP136788	691976.83	92560.81	05/17/11	1	2					0.25	0.25	UJ
IAAP136787	IAAP136789	691976.83	92560.81	05/17/11	2	3					0.25	0.25	UJ
IAAP136787	IAAP136790	691976.83	92560.81	05/17/11	3	4					0.25	0.25	UJ
IAAP136787	IAAP136791	691976.83	92560.81	05/17/11	4	5					0.25	0.25	UJ
IAAP136787	IAAP136792	691976.83	92560.81	05/17/11	5	6					0.25	0.25	UJ
IAAP136793	IAAP136793	691963.6	92553.05	05/18/11	0	1					0.25	0.25	UJ
IAAP136793	IAAP136794	691963.6	92553.05	05/18/11	1	2					0.25	0.25	U
IAAP136793	IAAP136795	691963.6	92553.05	05/18/11	2	3					0.25	0.25	U
IAAP136793	IAAP136796	691963.6	92553.05	05/18/11	3	4					0.25	0.25	U
IAAP136793	IAAP136797	691963.6	92553.05	05/18/11	4	5					0.25	0.25	U
IAAP136793	IAAP136798	691963.6	92553.05	05/18/11	5	6					0.25	0.25	U
IAAP136799	IAAP136799	691985.08	92553.02	05/17/11	0	1					0.25	0.25	U
IAAP136799	IAAP136800	691985.08	92553.02	05/17/11	1	2					0.25	0.25	U
IAAP136799	IAAP136801	691985.08	92553.02	05/17/11	2	3					0.25	0.25	U
IAAP136799	IAAP136802	691985.08	92553.02	05/17/11	3	4					0.25	0.25	U
IAAP136799	IAAP136803	691985.08	92553.02	05/17/11	4	5					0.10	0.25	J
IAAP136799	IAAP136804	691985.08	92553.02	05/17/11	5	6					0.25	0.25	U
IAAP136805	IAAP136805	691974.27	92538.23	05/17/11	0	1					0.25	0.25	U
IAAP136805	IAAP136806	691974.27	92538.23	05/17/11	1	2					0.25	0.25	U
IAAP136805	IAAP136807	691974.27	92538.23	05/17/11	2	3					0.25	0.25	U
IAAP136805	IAAP136808	691974.27	92538.23	05/17/11	3	4					0.07	0.25	J
IAAP136805	IAAP136809	691974.27	92538.23	05/17/11	4	5					0.38	0.25	=
IAAP136805	IAAP136810	691974.27	92538.23	05/17/11	5	6					0.25	0.25	U
IAAP136811	IAAP136811	691970.78	92548.09	05/17/11	0	1					0.16	0.25	J
IAAP136811	IAAP136812	691970.78	92548.09	05/17/11	1	2					0.14	0.25	J
IAAP136811	IAAP136813	691970.78	92548.09	05/17/11	2	3					0.20	0.25	J
IAAP136811	IAAP136814	691970.78	92548.09	05/17/11	3	4					0.25	0.25	U
IAAP136811	IAAP136815	691970.78	92548.09	05/17/11	4	5					0.25	0.25	U
IAAP136811	IAAP136816	691970.78	92548.09	05/17/11	5	6					0.25	0.25	U
IAAP136817	IAAP136817	691966.07	92544.14	05/17/11	0	1					0.25	0.25	U
IAAP136817	IAAP136818	691966.07	92544.14	05/17/11	1	2					0.25	0.25	U
IAAP136817	IAAP136819	691966.07	92544.14	05/17/11	2	3					0.25	0.25	U
IAAP136817	IAAP136820	691966.07	92544.14	05/17/11	3	4					0.25	0.25	U
IAAP136817	IAAP136821	691966.07	92544.14	05/17/11	4	5					0.25	0.25	U
IAAP136817	IAAP136822	691966.07	92544.14	05/17/11	5	6					0.25	0.25	U
IAAP136823	IAAP136823	691994.57	92524.56	05/18/11	1	2					0.25	0.25	U

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	RDX		
											Result	DL	VQ
IAAP136823	IAAP136824	691994.57	92524.56	05/18/11	2	3					0.25	0.25	U
IAAP136823	IAAP136825	691994.57	92524.56	05/18/11	3	4					0.25	0.25	U
IAAP136823	IAAP136826	691994.57	92524.56	05/18/11	4	5					0.25	0.25	U
IAAP136823	IAAP136827	691994.57	92524.56	05/18/11	5	6					0.25	0.25	U
IAAP136823	IAAP136828	691994.57	92524.56	05/18/11	6	7					0.25	0.25	U
IAAP137255	IAAP137255	691975.59	92518.24	05/18/11	0	1					0.25	0.25	U
IAAP137255	IAAP137256	691975.59	92518.24	05/18/11	1	2					0.25	0.25	U
IAAP137255	IAAP137257	691975.59	92518.24	05/18/11	2	3					0.25	0.25	U
IAAP137255	IAAP137258	691975.59	92518.24	05/18/11	3	4					0.25	0.25	U
IAAP137255	IAAP137259	691975.59	92518.24	05/18/11	4	5					0.25	0.25	U
IAAP137255	IAAP137260	691975.59	92518.24	05/18/11	5	6					0.25	0.25	U
IAAP96925	IAAP96925	692027	92844.46	10/26/06	0	0.5					0.35	0.35	U
IAAP96926	IAAP96926	692014.91	92844.8	10/26/06	0	0.5					0.35	0.35	U
IAAP96928	IAAP96928	691998.35	92979.48	10/26/06	0	0.5					0.35	0.35	U
IAAP96929	IAAP96929	691966.49	92969.51	10/26/06	0	0.5					0.34	0.34	U
IAAP96934	IAAP96934	COMPOSITE	COMPOSITE	11/15/06	0	0.5					0.29	0.29	UJ
IAAP96935	IAAP96935	691894.02	93328.08	11/15/06	0	0.5					0.28	0.28	UJ
IAAP96936	IAAP96936	COMPOSITE	COMPOSITE	11/15/06	0	0.5					0.34	0.34	UJ
IAAP96937	IAAP96937	COMPOSITE	COMPOSITE	11/13/06	0	0.5					0.28	0.28	UJ
IAAP96938	IAAP96938	691840.29	93270.4	11/13/06	0	0.5					0.33	0.33	UJ
IAAP96939	IAAP96939	691831.83	93298.23	11/13/06	0	0.5					0.27	0.27	UJ
IAAP96940	IAAP96940	691832.3	93342.32	11/13/06	0	0.5					0.28	0.28	UJ
IAAP96941	IAAP96941	691814.66	93317.23	11/13/06	0	0.5					0.32	0.32	UJ
IAAP96942	IAAP96942	691838.97	93244.84	11/13/06	0	0.5					0.31	0.31	UJ
IAAP96949	IAAP96949	692113.04	93092.9	11/15/06	0	0.5					0.31	0.31	UJ
IAAP96950	IAAP96950	COMPOSITE	COMPOSITE	11/15/06	0	0.5					0.32	0.32	UJ
IAAP96951	IAAP96951	COMPOSITE	COMPOSITE	11/15/06	0	0.5					0.31	0.31	UJ
IAAP96952	IAAP96952	692127.71	93042.61	11/15/06	0	0.5					0.26	0.26	UJ
IAAP96953	IAAP96953	692116.38	93011.84	11/15/06	0	0.5					0.07	0.3	J
IAAP96954	IAAP96954	692116.26	92981.47	11/15/06	0	0.5					0.28	0.28	UJ
IAAP96955	IAAP96955	692175.68	92981.55	11/15/06	0	0.5					0.32	0.32	UJ
IAAP96956	IAAP96956	COMPOSITE	COMPOSITE	11/15/06	0	0.5					0.31	0.31	UJ
IAAP96957	IAAP96957	692056.98	93146.93	11/15/06	0	0.5					0.34	0.34	UJ
IAAP96958	IAAP96958	692074.54	93130.61	11/15/06	0	0.5					0.35	0.35	UJ
IAAP96959	IAAP96959	COMPOSITE	COMPOSITE	11/14/06	0	0.5					0.30	0.3	UJ
IAAP96960	IAAP96960	692088.53	93112.41	11/15/06	0	0.5					0.32	0.32	UJ
IAAP96961	IAAP96961	COMPOSITE	COMPOSITE	11/13/06	0	0.5					0.31	0.31	UJ
IAAP96962	IAAP96962	COMPOSITE	COMPOSITE	11/13/06	0	0.5					0.31	0.31	UJ
IAAP96963	IAAP96963	COMPOSITE	COMPOSITE	11/13/06	0	0.5					0.29	0.29	UJ
IAAP96964	IAAP96964	691985.83	93063.1	11/13/06	0	0.5					0.31	0.31	UJ
IAAP96965	IAAP96965	691993.8	93029.94	11/13/06	0	0.5					0.26	0.26	UJ

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	RDX		
											Result	DL	VQ
IAAP96966	IAAP96966	691954.93	93007.81	11/13/06	0	0.5					0.32	0.32	UJ
IAAP96967	IAAP96967	691937	93039	11/13/06	0	0.5					0.26	0.26	UJ
IAAP96968	IAAP96968	691938.96	93067.14	11/13/06	0	0.5					0.26	0.26	UJ
IAAP96969	IAAP96969	691938.96	93067.14	11/13/06	1	2					0.31	0.31	UJ
IAAP96970	IAAP96970	691909.48	93056.65	11/13/06	0	0.5					0.33	0.33	UJ
IAAP96976	IAAP96976	COMPOSITE	COMPOSITE	11/14/06	0	0.5					0.33	0.33	UJ
IAAP96977	IAAP96977	COMPOSITE	COMPOSITE	11/14/06	0	0.5					0.37	0.37	UJ
IAAP96979	IAAP96979	691795.01	93119.57	11/14/06	0	0.5					0.32	0.32	UJ
IAAP96980	IAAP96980	691808.87	93106.84	11/14/06	0	0.5					0.27	0.27	UJ
IAAP96988	IAAP96988	691954.34	92114.71	11/14/06	0	0.5					0.27	0.27	UJ
IAAP96989	IAAP96989	691876.63	92299.46	11/14/06	0	0.5					0.31	0.31	UJ
IAAP96992	IAAP96992	COMPOSITE	COMPOSITE	11/14/06	0	0.5					0.28	0.28	UJ
IAAP96994	IAAP96994	691857.33	92413.74	11/14/06	0	0.5					0.28	0.28	UJ
IAAP96995	IAAP96995	691870.98	92410.67	11/14/06	0	0.5					0.30	0.3	UJ
IAAP96996	IAAP96996	COMPOSITE	COMPOSITE	11/14/06	0	0.5					0.32	0.32	UJ
IAAP96997	IAAP96997	691844.39	92407.27	11/14/06	0	0.5					0.28	0.28	UJ
IAAP96998	IAAP96998	691728	93303	11/14/06	0	0.5					0.27	0.27	UJ
IAAP97000	IAAP97000	691786.4	93115.72	11/14/06	0	0.5					0.33	0.33	UJ
IAAP97001	IAAP97001	691872	93010	12/18/06	0	0.5					0.28	0.28	UJ
IAAP97002	IAAP97002	691884	93003	12/18/06	0	0.5					0.09	0.27	J
IAAP97003	IAAP97003	691888	92995	12/18/06	0	0.5					0.26	0.31	J
IAAP97004	IAAP97004	691895	92793	12/19/06	0	0.5					0.06	0.33	=
IAAP97005	IAAP97005	691902	92791	12/19/06	0	0.5					0.13	0.31	=
IAAP97006	IAAP97006	691908	92794	12/19/06	0	0.5					0.31	0.31	U
IAAP97007	IAAP97007	691925	92795	12/19/06	0	0.5					0.32	0.32	U
IAAP97008	IAAP97008	691894	92818	12/19/06	0	0.5					0.11	0.32	=
IAAP97009	IAAP97009	691903	92823	12/19/06	0	0.5					0.31	0.31	U
IAAP97010	IAAP97010	691891	92892	12/19/06	0	0.5					0.31	0.31	U
IAAP97011	IAAP97011	691900	92879	12/19/06	0	0.5					0.32	0.32	U
IAAP97012	IAAP97012	691889	92913	12/19/06	0	0.5					0.33	0.33	U
IAAP97013	IAAP97013	691813	92905	12/18/06	0	0.5					0.28	0.28	UJ
IAAP97014	IAAP97014	691785	92886	12/18/06	0	0.5					0.96	0.38	J
IAAP97015	IAAP97015	691688	92824	12/18/06	0	0.5					0.26	0.26	UJ
IAAP97016	IAAP97016	691683	92887	12/18/06	0	0.5					0.33	0.33	UJ
IAAP97017	IAAP97017	691680	92894	12/18/06	0	0.5					0.30	0.3	UJ
IAAP97018	IAAP97018	691694	92881	12/18/06	0	0.5					0.35	0.35	UJ
IAAP97020	IAAP97020	691695	92744	12/18/06	0	0.5					0.33	0.33	UJ
IAAP97021	IAAP97021	691719	92718	12/18/06	0	0.5					0.48	0.34	J
IAAP97022	IAAP97022	691753	92650	12/18/06	0	0.5					0.32	0.32	UJ
IAAP97023	IAAP97023	691750	92660	12/18/06	0	0.5					0.35	0.35	UJ
IAAP97024	IAAP97024	691745	92709	12/18/06	0	0.5					1.20	0.33	J

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	RDX		
											Result	DL	VQ
IAAP97025	IAAP97025	691718	92783	12/18/06	0	0.5					0.33	0.33	UJ
IAAP97026	IAAP97026	691811	92938	12/18/06	0	0.5					0.16	0.34	J
IAAP97027	IAAP97027	691942	92676	12/19/06	0	0.5					0.33	0.33	U
IAAP97029	IAAP97029	691930	92683	12/19/06	0	0.5					0.33	0.33	U
IAAP97036	IAAP97036	692052.2	92417.45	12/19/06	0	0.5					0.27	0.27	U
IAAP97037	IAAP97037	692060	92421.6	12/19/06	0	0.5					0.28	0.28	U
IAAP97038	IAAP97038	692004	92424	12/19/06	0	0.5					0.13	0.34	=
IAAP97039	IAAP97039	692142.8	92156	12/19/06	0	0.5					0.50	0.31	=
IAAP97040	IAAP97040	692146	92149	12/19/06	0	0.5					0.05	0.33	J
IAAP97041	IAAP97041	692132.3	92131.1	12/19/06	0	0.5					0.28	0.28	U
IAAP97045	IAAP97045	692065	92323	12/19/06	0	0.5					0.11	0.3	=
IAAP97046	IAAP97046	692051	92339	12/19/06	0	0.5					0.33	0.33	U
IAAP97048	IAAP97048	692140.2	92094.9	12/19/06	0	0.5					0.29	0.29	U
IAAP97049	IAAP97049	691998	92245	12/19/06	0	0.5					0.33	0.33	U
IAAP98247	IAAP98247	691977	92312	12/19/06	0	0.5					0.16	0.35	=
IAAP98250	IAAP98250	691732	92354	12/20/06	0	0.5					0.37	0.37	UJ
IAAP98251	IAAP98251	691761	92310	12/20/06	0	0.5					0.32	0.32	UJ
IAAP98253	IAAP98253	691755	92246	12/20/06	0	0.5					0.32	0.32	UJ
IAAP98254	IAAP98254	691702	92289	12/20/06	0	0.5					0.42	0.42	UJ
IAAP98260	IAAP98260	691719	92537	12/18/06	0	0.5					0.30	0.3	UJ
IAAP98261	IAAP98261	691626	92692	12/18/06	0	0.5					0.31	0.31	UJ
IAAP98262	IAAP98262	691633	92751	12/18/06	0	0.5					0.34	0.34	UJ
IAAP98263	IAAP98263	691582	92869	12/18/06	0	0.5					0.95	0.95	UJ
IAAP98264	IAAP98264	691518	93097	12/18/06	0	0.5					0.41	0.41	UJ
IAAP98266	IAAP98266	691878	92578	12/18/06	0	0.5					0.32	0.32	UJ
IAAP98273	IAAP98273	692131	92072.7	12/19/06	0	0.5					0.32	0.32	U
IAAP99934	IAAP99934	692030.09	92396.58	04/16/07	0	1					0.31	0.31	U
IAAP99934	IAAP99935	692030.09	92396.58	04/16/07	1	2					0.32	0.32	U
IAAP99936	IAAP99936	692027.39	92394.07	04/16/07	0	1					0.33	0.33	U
IAAP99936	IAAP99937	692027.39	92394.07	04/16/07	1	2					0.32	0.32	U
IAAP99938	IAAP99938	691747.48	92260.65	04/15/07	0	0.5					0.30	0.3	U
IAAP99939	IAAP99939	691743.59	92262.02	04/15/07	0	0.5					0.32	0.32	U
IAAP99940	IAAP99940	691708.65	92265.87	04/15/07	0	0.5					0.35	0.35	U
IAAP99941	IAAP99941	691700.52	92270.71	04/15/07	0	0.5					0.66	0.66	U
IAAP99942	IAAP99942	692058.69	92404.33	04/16/07	0	0.5					0.27	0.27	U
IAAP99959	IAAP99959	692014.14	92937.77	06/05/07	3	4					0.29	0.29	U
IAAP99960	IAAP99960	692001.22	92882.79	06/05/07	2	2.5					0.27	0.27	U
IAAP100071	IAAP99962	691694.48	92747.08	06/05/07	2	3					0.31	0.31	UJ
100101	L1101001	691685	93330		0.0	1.0							
100101	L1101002	691685	93330		1.0	2.0					1.000	1	U
100101	L1101003	691685	93330		2.0	4.0					1.000	1	U

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	RDX		
											Result	DL	VQ
100101	L1101004	691685	93330		4.0	6.0					1.000	1	U
100102	L1101005	691685	93369		0.0	1.0							
100102	L1101006	691685	93369		1.0	2.0					1.000	1	U
100102	L1101007	691685	93369		2.0	4.0					1.000	1	U
100102	L1101008	691685	93369		4.0	6.0					1.000	1	U
100103	L1101009	691723	93308		0.0	1.0							
100103	L1101010	691723	93308		1.0	2.0					1.000	1	U
100103	L1101011	691723	93308		2.0	4.0					1.000	1	U
100103	L1101012	691723	93308		4.0	6.0					1.000	1	U
100201	L1102001	691824	93116		1.0	2.0							
100201	L1102002	691824	93116		2.0	4.0							
100202	L1102003	691834	93110		1.0	2.0							
100202	L1102004	691834	93110		2.0	4.0							
100203	L1102005	691839	93129		1.0	2.0							
100203	L1102006	691839	93129		2.0	4.0							
100204	L1102007	691851	93109		1.0	2.0							
100204	L1102008	691851	93109		2.0	4.0							
100205	L1102009	691838	93090		1.0	2.0							
100205	L1102010	691838	93090		2.0	4.0							
100205	L1102011	691838	93090		2.0	4.0							
100206	L1102012	691842	93123		1.0	2.0							
100206	L1102013	691842	93123		2.0	4.0							
100302	L1103005	691754	93117		0.0	1.0							
100302	L1103006	691754	93117		1.0	2.0					1.000	1	U
100302	L1103007	691754	93117		2.0	4.0					1.000	1	U
100302	L1103008	691754	93117		4.0	6.0					1.000	1	U
100303	L1103009	691803	93111		0.0	1.0							
100303	L1103010	691803	93111		1.0	2.0					1.000	1	U
100303	L1103011	691803	93111		2.0	4.0					1.000	1	U
100303	L1103012	691803	93111		4.0	6.0					1.000	1	U
100304	L1103013	691776	93096		0.0	1.0							
100304	L1103014	691776	93096		1.0	2.0					1.000	1	U
100304	L1103015	691776	93096		2.0	4.0					1.000	1	U
100304	L1103016	691776	93096		2.0	4.0					1.000	1	U
100304	L1103017	691776	93096		4.0	6.0					1.000	1	U
100305	L1103018	692112	92187		0.0	1.0							
100305	L1103019	692112	92187		1.0	2.0					1.000	1	U
100305	L1103020	692112	92187		2.0	4.0					1.000	1	U
100305	L1103021	692112	92187		4.0	6.0					1.000	1	U
100401	L1104001	691772	93135		0.0	1.0							
100401	L1104002	691772	93135		1.0	2.0					1.000	1	U

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	RDX		
											Result	DL	VQ
100401	L1104003	691772	93135		2.0	4.0					1.000	1	U
100401	L1104004	691772	93135		4.0	6.0					1.000	1	U
100402	L1104005	691742	93216		0.0	1.0							
100402	L1104006	691742	93216		1.0	2.0					1.000	1	U
100402	L1104007	691742	93216		2.0	4.0					1.000	1	U
100402	L1104008	691742	93216		4.0	6.0					1.000	1	U
100403	L1104009	691792	93152		0.0	1.0							
100403	L1104010	691792	93152		1.0	2.0					1.000	1	U
100403	L1104011	691792	93152		2.0	4.0					1.000	1	U
100403	L1104012	691792	93152		4.0	6.0					1.000	1	U
100404	L1104013	691796	93140		0.0	1.0							
100404	L1104014	691796	93140		1.0	2.0					1.000	1	U
100404	L1104015	691796	93140		2.0	4.0					1.000	1	U
100404	L1104016	691796	93140		4.0	6.0					1.000	1	U
100501	L1105001	691921	92838		0.0	1.0							
100501	L1105002	691921	92838		1.0	2.0					0.980	0.98	U
100501	L1105003	691921	92838		2.0	4.0					1.000	1	U
100501	L1105004	691921	92838		4.0	6.0					0.980	0.98	U
100502	L1105005	691921	92844		0.0	1.0							
100502	L1105006	691921	92844		1.0	2.0					1.000	1	U
100502	L1105007	691921	92844		1.0	2.0					0.990	0.99	U
100502	L1105008	691921	92844		2.0	4.0					0.970	0.97	U
100502	L1105009	691921	92844		4.0	6.0					0.990	0.99	U
100503	L1105010	691915	92797		0.0	1.0							
100503	L1105011	691915	92797		1.0	2.0					1.000	1	U
100503	L1105012	691915	92797		2.0	4.0					1.000	1	U
100503	L1105013	691915	92797		4.0	6.0					1.000	1	U
100504	L1105014	691932	92802		0.0	1.0							
100504	L1105015	691932	92802		1.0	2.0					1.000	1	U
100504	L1105016	691932	92802		2.0	4.0					1.000	1	U
100504	L1105017	691932	92802		4.0	6.0					1.000	1	U
100505	L1105018	691911	92799		0.0	1.0							
100505	L1105019	691911	92799		1.0	2.0					1.000	1	U
100505	L1105020	691911	92799		2.0	4.0					1.000	1	U
100505	L1105021	691911	92799		4.0	6.0					1.000	1	U
100506	L1105022	691896	92792		1.0	2.0					1.000	1	U
100506	L1105023	691896	92792		2.0	4.0					1.000	1	U
100506	L1105024	691896	92792		4.0	6.0					1.000	1	U
100509	L1105035	691899	92831		0.0	1.0							
100509	L1105036	691899	92831		1.0	2.0					0.980	0.98	U
100509	L1105037	691899	92831		2.0	4.0					1.000	1	U

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	RDX		
											Result	DL	VQ
100509	L1105038	691899	92831		4.0	6.0					0.990	0.99	U
100510	L1105055	691886	92945		0.0	1.0							
100510	L1105056	691886	92945		1.0	2.0					0.980	0.98	U
100510	L1105057	691886	92945		2.0	4.0					1.000	1	U
100510	L1105058	691886	92945		4.0	6.0					0.980	0.98	U
100511	L1105059	691877	92995		1.0	2.0					1.000	1	U
100511	L1105060	691877	92995		2.0	4.0					0.230	1	
100511	L1105061	691877	92995		2.0	4.0					0.180	1	
100511	L1105062	691877	92995		4.0	6.0					0.290	1	
100512	L1105063	691842	92972		1.0	2.0					1.000	1	U
100512	L1105064	691842	92972		2.0	4.0					0.086	1	
100512	L1105065	691842	92972		4.0	6.0					0.083	1	
100513	L1105066	691845	92995		1.0	2.0					1.000	1	U
100513	L1105067	691845	92995		2.0	4.0					1.000	1	U
100513	L1105068	691845	92995		2.0	4.0					0.990	0.99	U
100514	L1105069	691849	92986		1.0	2.0					1.000	1	U
100514	L1105070	691849	92986		2.0	4.0					1.000	1	U
100514	L1105071	691849	92986		4.0	5.0					1.000	1	U
100517	L1105079	691867	93001		0.0	1.0							
100517	L1105080	691867	93001		1.0	2.0					1.000	1	U
100517	L1105081	691867	93001		2.0	4.0					1.000	1	U
100517	L1105082	691867	93001		4.0	6.0					1.000	1	U
100519	L1105088	691864	92940		0.0	1.0							
100519	L1105089	691864	92940		1.0	2.0					1.000	1	U
100519	L1105090	691864	92940		2.0	4.0					0.990	0.99	U
100519	L1105091	691864	92940		4.0	6.0					1.000	1	U
100521	L1105096	691911	92849		0.0	1.0							
100521	L1105097	691911	92849		1.0	2.0					1.000	1	U
100521	L1105098	691911	92849		2.0	4.0					1.000	1	U
100521	L1105099	691911	92849		4.0	6.0					0.980	0.98	U
100601	L1106001	691750	92646		0.0	1.0							
100601	L1106002	691750	92646		1.0	2.0					1.000	1	U
100601	L1106003	691750	92646		2.0	4.0					0.990	0.99	U
100601	L1106004	691750	92646		2.0	4.0					1.000	1	U
100601	L1106005	691750	92646		4.0	6.0					1.000	1	U
100602	L1106006	691739	92639		0.0	1.0							
100602	L1106007	691739	92639		1.0	2.0					1.000	1	U
100602	L1106008	691739	92639		2.0	4.0					1.000	1	U
100602	L1106009	691739	92639		4.0	6.0					1.000	1	U
100603	L1106010	691621	93000		0.0	1.0							
100603	L1106011	691621	93000		1.0	2.0					0.960	0.96	U

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	RDX		
											Result	DL	VQ
100603	L1106012	691621	93000		2.0	4.0					0.990	0.99	U
100603	L1106013	691621	93000		4.0	6.0					1.000	1	U
100604	L1106014	691632	93007		0.0	1.0							
100604	L1106015	691632	93007		1.0	2.0					1.000	1	U
100604	L1106016	691632	93007		2.0	4.0					1.000	1	U
100604	L1106017	691632	93007		4.0	6.0					1.000	1	U
100701	L1107001	692002	92830		0.0	1.0							
100701	L1107002	692002	92830		1.0	2.0					1.000	1	U
100701	L1107003	692002	92830		2.0	4.0					1.000	1	U
100702	L1107005	692023	92845		0.0	1.0							
100702	L1107006	692023	92845		1.0	2.0					1.000	1	U
100702	L1107007	692023	92845		2.0	4.0					1.000	1	U
100702	L1107008	692023	92845		4.0	6.0					1.000	1	U
100703	L1107009	692034	92800		0.0	1.0							
100703	L1107010	692034	92800		1.0	2.0					1.000	1	U
100703	L1107011	692034	92800		2.0	4.0					1.000	1	U
100703	L1107012	692034	92800		4.0	6.0					1.000	1	U
100801	L1108001	691700	92779		0.0	1.0							
100801	L1108002	691700	92779		1.0	2.0					0.970	0.97	U
100801	L1108003	691700	92779		2.0	4.0					0.980	0.98	U
100801	L1108004	691700	92779		2.0	4.0					0.970	0.97	U
100801	L1108005	691700	92779		4.0	6.0					0.990	0.99	U
100802	L1108006	691723	92706		0.0	1.0							
100802	L1108006A	691723	92706		0.0	1.0							
100802	L1108007	691723	92706		1.0	2.0					1.000	1	U
100802	L1108007A	691723	92706		1.0	2.0					1.000	1	U
100802	L1108008	691723	92706		2.0	4.0					1.000	1	U
100802	L1108008A	691723	92706		2.0	4.0					1.000	1	U
100802	L1108009	691723	92706		4.0	6.0					1.000	1	U
100802	L1108009A	691723	92706		4.0	6.0					1.000	1	U
100803	L1108010	691715	92725		0.0	1.0							
100803	L1108011	691715	92725		1.0	2.0					1.000	1	U
100803	L1108012	691715	92725		2.0	4.0					1.000	1	U
100803	L1108013	691715	92725		4.0	6.0					1.000	1	U
100805	L1108018	691709	92730		0.0	1.0							
100805	L1108019	691709	92730		1.0	2.0					1.000	1	U
100805	L1108020	691709	92730		2.0	4.0					1.000	1	U
100805	L1108021	691709	92730		4.0	6.0					1.000	1	U
101001	L1110001	691959	92688		0.0	1.0							
101001	L1110002	691959	92688		1.0	2.0					1.000	1	U
101001	L1110003	691959	92688		2.0	4.0					1.000	1	U

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	RDX		
											Result	DL	VQ
101001	L1110004	691959	92688		4.0	6.0					1.000	1	U
101004	L1110016	691978	92653		0.0	1.0							
101004	L1110017	691978	92653		1.0	2.0					1.000	1	U
101004	L1110018	691978	92653		2.0	4.0					1.000	1	U
101004	L1110019	691978	92653		4.0	6.0					1.000	1	U
101005	L1110037	691993	92609		0.0	1.0							
101005	L1110038	691993	92609		1.0	2.0					1.000	1	U
101005	L1110039	691993	92609		2.0	4.0					1.000	1	U
101005	L1110040	691993	92609		4.0	6.0					1.000	1	U
101006	L1110025	691952	92623		0.0	1.0							
101006	L1110026	691952	92623		1.0	2.0					1.000	1	U
101006	L1110027	691952	92623		2.0	4.0					1.000	1	U
101006	L1110028	691952	92623		4.0	5.0					1.000	1	U
101007	L1110029	691971	92576		0.0	1.0							
101007	L1110030	691971	92576		1.0	2.0					1.000	1	U
101008	L1110033	691999	92585		0.0	1.0							
101008	L1110034	691999	92585		1.0	2.0					1.000	1	U
101008	L1110035	691999	92585		2.0	4.0					1.000	1	U
101008	L1110036	691999	92585		4.0	6.0					1.000	1	U
101009	L1110021	691999	92618		0.0	1.0							
101009	L1110022	691999	92618		1.0	2.0					1.000	1	U
101009	L1110023	691999	92618		2.0	4.0					1.000	1	U
101009	L1110024	691999	92618		4.0	6.0					1.000	1	U
101101	L1111001	691809	93287		0.0	1.0							
101101	L1111002	691809	93287		1.0	2.0					1.000	1	U
101101	L1111003	691809	93287		2.0	4.0					0.990	0.99	U
101101	L1111004	691809	93287		4.0	6.0					1.000	1	U
101102	L1111005	691832	93269		0.0	1.0							
101102	L1111006	691832	93269		2.0	4.0							
101103	L1111007	691812	93314		0.0	1.0							
101103	L1111008	691812	93314		1.0	2.0					1.000	1	U
101103	L1111009	691812	93314		2.0	4.0					0.990	0.99	U
101103	L1111010	691812	93314		4.0	6.0					1.000	1	U
101104	L1111011	691845	93331		0.0	1.0							
101104	L1111012	691845	93331		1.0	2.0					1.000	1	U
101104	L1111013	691845	93331		2.0	4.0					1.000	1	U
101104	L1111014	691845	93331		4.0	6.0					1.000	1	U
101105	L1111015	691894	93311		0.0	1.0							
101105	L1111016	691894	93311		1.0	2.0					1.000	1	U
101105	L1111017	691894	93311		2.0	4.0					1.000	1	U
101105	L1111018	691894	93311		4.0	6.0					1.000	1	U

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	RDX		
											Result	DL	VQ
101106	L1111019	691911	93281		0.0	1.0							
101106	L1111020	691911	93281		1.0	2.0					1.000	1	U
101106	L1111022	691911	93281		2.0	4.0					1.000	1	U
101106	L1111023	691911	93281		4.0	6.0					0.990	0.99	U
101107	L1111024	691838	93244		0.0	1.0							
101107	L1111025	691838	93244		1.0	2.0					1.000	1	U
101107	L1111026	691838	93244		2.0	4.0					1.000	1	U
101107	L1111027	691838	93244		4.0	6.0					1.000	1	U
101201	L1112001	692036	92381		1.0	2.0					1.000	1	U
101201	L1112001A	692036	92381		0.0	1.0							
101201	L1112002	692036	92381		1.0	2.0					1.000	1	U
101201	L1112003	692036	92381		2.0	4.0					1.000	1	U
101201	L1112004	692036	92381		4.0	6.0					1.000	1	U
101204	L1112011A	692080	92344		0.0	1.0							
101204	L1112012	692080	92344		2.0	4.0					1.000	1	U
101204	L1112013	692080	92344		4.0	6.0					1.000	1	U
101205	L1112014	692105	92261		1.0	2.0					1.000	1	U
101205	L1112014A	692105	92261		0.0	1.0							
101205	L1112015	692105	92261		2.0	4.0					1.000	1	U
101205	L1112016	692105	92261		4.0	6.0					1.000	1	U
101206	L1112017	692086	92238		1.0	2.0					1.000	1	U
101206	L1112017A	692086	92238		0.0	1.0							
101206	L1112018	692086	92238		2.0	4.0					1.000	1	U
101206	L1112019	692086	92238		4.0	6.0					1.000	1	U
101207	L1112020	692050	92340		1.0	2.0					1.000	1	U
101207	L1112020A	692050	92340		0.0	1.0							
101207	L1112021	692050	92340		2.0	4.0					1.000	1	U
101207	L1112022	692050	92340		4.0	6.0					1.000	1	U
101208	L1112023	692041	92462		0.0	1.0							
101208	L1112024	692041	92462		1.0	2.0					1.000	1	U
101208	L1112025	692041	92462		1.0	2.0					1.000	1	U
101208	L1112026	692041	92462		2.0	4.0					1.000	1	U
101208	L1112027	692041	92462		4.0	6.0					1.000	1	U
101209	L1112028	692063	92389		0.0	1.0							
101209	L1112029	692063	92389		1.0	2.0					1.000	1	U
101209	L1112030	692063	92389		2.0	4.0					1.000	1	U
101209	L1112031	692063	92389		4.0	6.0					1.000	1	U
101210	L1112033	692085	92323		1.0	2.0					1.000	1	U
101210	L1112034	692085	92323		2.0	4.0					1.000	1	U
101210	L1112036	692085	92323		4.0	6.0					1.000	1	U
101210	L111232	692085	92323		0.0	1.0							

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	RDX		
											Result	DL	VQ
101211	L1112037	692098	92292		0.0	1.0							
101211	L1112038	692098	92292		1.0	2.0					1.000	1	U
101211	L1112039	692098	92292		2.0	4.0					1.000	1	U
101211	L1112040	692098	92292		4.0	6.0					1.000	1	U
101212	L1112041	692076	92256		0.0	1.0							
101212	L1112042	692076	92256		1.0	2.0					1.000	1	U
101212	L1112043	692076	92256		2.0	4.0					1.000	1	U
101212	L1112044	692076	92256		4.0	6.0					1.000	1	U
101213	L1112045	692055	92294		0.0	1.0							
101213	L1112046	692055	92294		1.0	2.0					1.000	1	U
101213	L1112047	692055	92294		2.0	4.0					1.000	1	U
101213	L1112048	692055	92294		2.0	4.0							
101213	L1112049	692055	92294		4.0	6.0					1.000	1	U
101301	L1113001	691873	92319		0.0	1.0							
101301	L1113002	691873	92319		1.0	2.0					1.000	1	U
101301	L1113003	691873	92319		2.0	4.0					1.000	1	U
101301	L1113004	691873	92319		4.0	6.0					1.000	1	U
101302	L1113006	691868	92338		0.0	1.0							
101302	L1113007	691868	92338		1.0	2.0					1.000	1	U
101302	L1113008	691868	92338		2.0	4.0					1.000	1	U
101302	L1113009	691868	92338		4.0	6.0					1.000	1	U
101303	L1113010	691845	92407		0.0	1.0							
101303	L1113011	691845	92407		1.0	2.0					1.000	1	U
101303	L1113012	691845	92407		2.0	4.0					1.000	1	U
101303	L1113013	691845	92407		4.0	6.0					1.000	1	U
101304	L1113014	691870	92409		2.0	4.0							
101304	L1113015	691870	92409		1.0	2.0					1.000	1	U
101304	L1113016	691870	92409		2.0	4.0					1.000	1	U
101304	L1113017	691870	92409		4.0	6.0					1.000	1	U
101305	L1113018	691882	92387		0.0	1.0							
101305	L1113019	691882	92387		1.0	2.0					1.000	1	U
101305	L1113020	691882	92387		2.0	4.0					1.000	1	U
101305	L1113021	691882	92387		4.0	6.0					1.000	1	U
101306	L1113024	691889	94486		1.0	2.0					1.000	1	U
101307	L1113023	691900	92319		1.0	2.0					1.000	1	U
101307	L1113027	691900	92319		0.0	1.0							
101307	L1113028	691900	92319		1.0	2.0					1.000	1	U
101308	L11130035	691875	92309		4.0	6.0					1.000	1	U
101308	L1113031	691875	92309		0.0	1.0							
101308	L1113032	691875	92309		1.0	2.0					1.000	1	U
101308	L1113033	691875	92309		2.0	4.0					1.000	1	U

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	RDX		
											Result	DL	VQ
101308	L1113034	691875	92309		2.0	4.0					1.000	1	U
101309	L1113036	691881	92297		0.0	1.0							
101309	L1113037	691881	92297		1.0	2.0					1.000	1	U
101309	L1113038	691881	92297		2.0	4.0					1.000	1	U
101309	L1113039	691881	92297		4.0	6.0					1.000	1	U
101401	L1114001	691797	92489		0.0	1.0							
101401	L1114002	691797	92489		1.0	2.0					1.000	1	U
101401	L1114003	691797	92489		2.0	4.0					1.000	1	U
101401	L1114004	691797	92489		4.0	6.0					1.000	1	U
101402	L1114005	691814	92487		0.0	1.0							
101402	L1114006	691814	92487		1.0	2.0					1.000	1	U
101402	L1114007	691814	92487		2.0	4.0					1.000	1	U
101402	L1114008	691814	92487		4.0	6.0					1.000	1	U
101501	L1115001	691936	92124		0.0	1.0							
101501	L1115002	691936	92124		1.0	2.0					1.000	1	U
101501	L1115003	691936	92124		2.0	4.0					1.000	1	U
101501	L1115004	691936	92124		4.0	6.0					1.000	1	U
101502	L1115005	691916	92117		0.0	1.0							
101502	L1115006	691916	92117		1.0	2.0					1.000	1	U
101502	L1115007	691916	92117		2.0	4.0					1.000	1	U
101502	L1115008	691916	92117		4.0	6.0					1.000	1	U
101503	L1115009	691925	92088		0.0	1.0							
101503	L1115010	691925	92088		1.0	2.0					1.000	1	U
101503	L1115011	691925	92088		2.0	4.0					1.000	1	U
101503	L1115012	691925	92088		4.0	6.0					1.000	1	U
101504	L1115014	691931	92075		0.0	1.0							
101504	L1115015	691931	92075		1.0	2.0					1.000	1	U
101504	L1115016	691931	92075		2.0	4.0					1.000	1	U
101504	L1115017	691931	92075		4.0	6.0					1.000	1	U
101505	L1115018	691943	92106		0.0	1.0							
101505	L1115019	691943	92106		1.0	2.0					1.000	1	U
101505	L1115020	691943	92106		2.0	4.0					1.000	1	U
101505	L1115021	691943	92106		4.0	6.0					1.000	1	U
101506	L1115022	691950	92080		0.0	1.0							
101506	L1115023	691950	92080		1.0	2.0					1.000	1	U
101506	L1115024	691950	92080		2.0	4.0					1.000	1	U
101506	L1115025	691950	92080		4.0	6.0					1.000	1	U
101601	L1116001	692018	92532		1.0	2.0							
101602	L1116002	692025	92510		1.0	2.0							
101604	L1116005	692012	92535		1.0	2.0							
101605	L1116006	692003	92526		1.0	2.0							

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	RDX		
											Result	DL	VQ
101605	L1116007	692003	92526		1.0	2.0							
101901	L1119001	691756	92245		0.0	1.0							
101901	L1119002	691756	92245		1.0	2.0					1.000	1	U
101901	L1119003	691756	92245		2.0	4.0					1.000	1	U
101901	L1119004	691756	92245		4.0	6.0					1.000	1	U
101902	L1119005	691701	92291		0.0	1.0							
101902	L1119006	691701	92291		1.0	2.0					1.000	1	U
101902	L1119007	691701	92291		2.0	4.0					1.000	1	U
101902	L1119008	691701	92291		4.0	6.0					1.000	1	U
101903	L1119011	691682	92349		0.0	1.0							
101903	L1119012	691682	92349		1.0	2.0					1.000	1	U
101903	L1119013	691682	92349		2.0	4.0					1.000	1	U
101903	L1119014	691682	92349		4.0	6.0					1.000	1	U
101904	L1119015	691752	92256		0.0	1.0							
101904	L1119016	691752	92256		1.0	2.0					1.000	1	U
101904	L1119017	691752	92256		2.0	4.0					1.000	1	U
101904	L1119018	691752	92256		4.0	6.0					1.000	1	U
101905	L1119019	691756	92280		0.0	1.0							
101905	L1119020	691756	92280		1.0	2.0					1.000	1	U
101905	L1119021	691756	92280		2.0	4.0					1.000	1	U
101905	L1119022	691756	92280		4.0	6.0					1.000	1	U
103601	L1136001	691816	93159		0.0	1.0							
103601	L1136002	691816	93159		1.0	2.0							
103601	L1136003	691816	93159		2.0	4.0							
103602	L1136004	691819	93152		0.0	1.0							
103602	L1136005	691819	93152		1.0	2.0							
103602	L1136006	691819	93152		2.0	4.0							
103603	L1136007	691811	93151		0.0	1.0							
103603	L1136008	691811	93151		1.0	2.0							
103603	L1136009	691811	93151		2.0	4.0							
104001	L1140001	691989	92970		0.0	1.0							
104001	L1140002	691989	92970		1.0	2.0					1.000	1	U
104001	L1140003	691989	92970		2.0	4.0					1.000	1	U
104001	L1140004	691989	92970		4.0	6.0					1.000	1	U
104002	L1140005	691966	92968		0.0	1.0							
104002	L1140007	691966	92968		1.0	2.0					1.000	1	U
104002	L1140008	691966	92968		2.0	4.0					1.000	1	U
104002	L1140009	691966	92968		4.0	6.0					1.000	1	U
104003	L1140010	692020	92953		0.0	1.0							
104003	L1140011	692020	92953		0.0	1.0					1.000	1	U
104003	L1140013	692020	92953		2.0	4.0					1.000	1	U

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	RDX		
											Result	DL	VQ
104003	L1140014	692020	92953		4.0	6.0					1.000	1	U
104004	L1140015	691950	92925		0.0	1.0							
104004	L1140016	691950	92925		1.0	2.0					1.000	1	U
104004	L1140017	691950	92925		2.0	4.0					1.000	1	U
104004	L1140018	691950	92925		4.0	6.0					1.000	1	U
104005	L1140006	692034	92912		2.0	4.0					1.000	1	U
104005	L1140020	692034	92912		0.0	1.0							
104005	L1140021	692034	92912		1.0	2.0					1.000	1	U
104005	L1140022	692034	92912		2.0	4.0					1.000	1	U
104005	L1140023	692034	92912		4.0	6.0					1.000	1	U
104006	L1140024	692023	92873		0.0	1.0							
104006	L1140025	692023	92873		1.0	2.0					1.000	1	U
104006	L1140026	692023	92873		2.0	4.0					1.000	1	U
104006	L1140027	692023	92873		4.0	6.0					1.000	1	U
104007	L1140028	691983	92874		0.0	1.0							
104007	L1140029	691983	92874		1.0	2.0					1.000	1	U
104007	L1140030	691983	92874		2.0	4.0					1.000	1	U
105001	L1150001	691709	92844		1.0	2.0					0.960	0.96	U
105001	L1150002	691709	92844		2.0	4.0					1.000	1	U
105001	L1150003	691709	92844		4.0	6.0					0.980	0.98	U
105003	L1150007	691689	92828		0.0	1.0							
105003	L1150008	691689	92828		1.0	2.0					1.000	1	U
105003	L1150009	691689	92828		2.0	4.0					0.970	0.97	U
105003	L1150010	691689	92828		4.0	6.0					0.960	0.96	U
105004	L1150011	691716	92826		0.0	1.0							
105004	L1150012	691716	92826		1.0	2.0					1.000	1	U
105004	L1150013	691716	92826		2.0	4.0					1.000	1	U
105004	L1150014	691716	92826		4.0	6.0					1.000	1	U
105301	L1153001	692136	92161		1.0	2.0					1.000	1	U
105301	L1153001A	692136	92161		0.0	1.0							
105301	L1153003	692136	92161		2.0	4.0					1.000	1	U
105301	L1153004	692136	92161		4.0	6.0					1.000	1	U
105302	L1153002	692145	92145		0.0	1.0							
105302	L1153005	692145	92145		1.0	2.0					1.000	1	U
105302	L1153005A	692145	92145		0.0	1.0							
105302	L1153006	692145	92145		2.0	4.0					1.000	1	U
105302	L1153007	692145	92145		4.0	6.0					1.000	1	U
105303	L1153008	692108	92140		1.0	2.0					1.000	1	U
105303	L1153008A	692108	92140		0.0	1.0							
105303	L1153009	692108	92140		2.0	4.0					1.000	1	U
105303	L1153010	692108	92140		4.0	6.0					1.000	1	U

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	RDX		
											Result	DL	VQ
106002	L1160006	691662	92877		0.0	1.0							
106002	L1160007	691662	92877		1.0	2.0					1.000	1	U
106002	L1160008	691662	92877		2.0	4.0					0.970	0.97	U
106002	L1160009	691662	92877		4.0	6.0					0.990	0.99	U
106003	L1160010	691680	92888		0.0	1.0							
106003	L1160011	691680	92888		1.0	2.0					0.990	0.99	U
106003	L1160012	691680	92888		2.0	4.0					0.970	0.97	U
106003	L1160013	691680	92888		4.0	6.0					0.980	0.98	U
106003	L1160014	691680	92888		4.0	6.0					1.000	1	U
106004	L1160015	691680	92900		0.0	1.0							
106004	L1160016	691680	92900		1.0	2.0					0.990	0.99	U
106004	L1160017	691680	92900		2.0	4.0					1.000	1	U
106004	L1160019	691680	92900		4.0	6.0					0.980	0.98	U
106101	L1161001	691947	93086		0.0	1.0							
106101	L1161002	691947	93086		1.0	2.0					1.000	1	U
106101	L1161003	691947	93086		2.0	4.0					1.000	1	U
106101	L1161004	691947	93086		4.0	6.0					1.000	1	U
106102	L1161005	691909	93057		0.0	1.0							
106102	L1161006	691909	93057		1.0	2.0					1.000	1	U
106102	L1161007	691909	93057		1.0	2.0					1.000	1	U
106102	L1161008	691909	93057		2.0	4.0					1.000	1	U
106102	L1161009	691909	93057		4.0	6.0					1.000	1	U
106104	L1161014	691956	93011		0.0	1.0							
106104	L1161015	691956	93011		1.0	2.0					1.000	1	U
106104	L1161016	691956	93011		2.0	4.0					1.000	1	U
106104	L1161017	691956	93011		4.0	6.0					1.000	1	U
106301	L1163009	692099	92970		0.0	1.0							
106301	L1163010	692099	92970		1.0	2.0					1.000	1	U
106301	L1163011	692099	92970		2.0	4.0					1.000	1	U
106301	L1163012	692099	92970		4.0	6.0					1.000	1	U
106302	L1163013	692094	92997		0.0	1.0							
106302	L1163015	692094	92997		2.0	4.0					1.000	1	U
106302	L1163016	692094	92997		4.0	6.0					1.000	1	U
106303	L1163017	692099	93024		0.0	1.0							
106303	L1163018	692099	93024		1.0	2.0					1.000	1	U
106303	L1163019	692099	93024		2.0	4.0					1.000	1	U
106303	L1163020	692099	93024		4.0	6.0					1.000	1	U
106304	L1163021	692101	93040		0.0	1.0							
106304	L1163022	692101	93040		1.0	2.0					1.000	1	U
106304	L1163023	692101	93040		2.0	4.0					1.000	1	U
106304	L1163024	692101	93040		4.0	6.0					1.000	1	U

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	RDX		
											Result	DL	VQ
106305	L1163025	692073	93131		0.0	1.0							
106305	L1163026	692073	93131		1.0	2.0					1.000	1	U
106305	L1163027	692073	93131		1.0	2.0					1.000	1	U
106305	L1163028	692073	93131		2.0	4.0					1.000	1	U
106305	L1163029	692073	93131		4.0	6.0					1.000	1	U
106306	L1163030	692055	93147		0.0	1.0							
106306	L1163031	692055	93147		1.0	2.0					1.000	1	U
106306	L1163032	692055	93147		2.0	4.0					1.000	1	U
106306	L1163033	692055	93147		4.0	6.0					1.000	1	U
106307	L1163034	692088	93113		0.0	1.0							
106307	L1163035	692088	93113		1.0	2.0					1.000	1	U
106307	L1163036	692088	93113		2.0	4.0					1.000	1	U
106307	L1163037	692088	93113		4.0	6.0					1.000	1	U
106308	L1163038	692094	93102		0.0	1.0							
106308	L1163039	692094	93102		1.0	2.0					1.000	1	U
106308	L1163040	692094	93102		2.0	4.0					1.000	1	U
106308	L1163041	692094	93102		4.0	6.0					1.000	1	U
106401	L1164001	692022	93174		0.0	1.0							
106401	L1164002	692022	93174		1.0	2.0					1.000	1	U
106401	L1164003	692022	93174		2.0	4.0					1.000	1	U
106401	L1164004	692022	93174		4.0	6.0					1.000	1	U
106401	L1164018	692022	93174		0.0	1.0							
106402	L1164005	692011	93185		0.0	1.0							
106402	L1164006	692011	93185		4.0	6.0					1.000	1	U
106402	L1164007	692011	93185		2.0	4.0					1.000	1	U
106402	L1164008	692011	93185		4.0	6.0					1.000	1	U
106403	L1164009	692000	93195		0.0	1.0							
106403	L1164010	692000	93195		1.0	2.0					1.000	1	U
106403	L1164011	692000	93195		2.0	4.0					1.000	1	U
106403	L1164012	692000	93195		4.0	6.0					1.000	1	U
106403	L1164013	692000	93195		4.0	6.0					1.000	1	U
106404	L1164014	691970	93215		2.0	4.0							
106404	L1164015	691970	93215		1.0	2.0					1.000	1	U
106404	L1164016	691970	93215		2.0	4.0					1.000	1	U
106404	L1164017	691970	93215		4.0	6.0					1.000	1	U
106501	L1165001	692089	92859		0.0	1.0							
106501	L1165002	692089	92859		1.0	2.0					1.000	1	U
106501	L1165003	692089	92859		2.0	4.0					1.000	1	U
106501	L1165004	692089	92859		4.0	6.0					1.000	1	U
106501	L1165005	692089	92859		4.0	6.0					1.000	1	U
106502	L1165006	692086	92848		0.0	1.0							

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	RDX		
											Result	DL	VQ
106502	L1165007	692086	92848		1.0	2.0					1.000	1	U
106502	L1165008	692086	92848		2.0	4.0					1.000	1	U
106502	L1165009	692086	92848		4.0	6.0					1.000	1	U
106503	L1165010	692175	92980		0.0	1.0							
106503	L1165011	692175	92980		1.0	2.0					1.000	1	U
106503	L1165012	692175	92980		2.0	4.0					1.000	1	U
106503	L1165013	692175	92980		4.0	6.0					1.000	1	U
106503	L1165030	692175	92980		1.0	2.0					1.000	1	U
106504	L1165014	692161	92912		0.0	1.0							
106504	L1165015	692161	92912		1.0	2.0					1.000	1	U
106504	L1165016	692161	92912		2.0	4.0					1.000	1	U
106504	L1165017	692161	92912		4.0	6.0					1.000	1	U
106505	L1165018	692194	92823		0.0	1.0							
106505	L1165019	692194	92823		1.0	2.0					1.000	1	U
106505	L1165020	692194	92823		2.0	4.0					1.000	1	U
106505	L1165021	692194	92823		4.0	6.0					1.000	1	U
106506	L1165022	692273	92884		0.0	1.0							
106506	L1165023	692273	92884		1.0	2.0					1.000	1	U
106506	L1165024	692273	92884		2.0	4.0					1.000	1	U
106506	L1165025	692273	92884		4.0	6.0					1.000	1	U
106507	L1165026	692267	92904		0.0	1.0							
106507	L1165027	692267	92904		1.0	2.0					1.000	1	U
106507	L1165028	692267	92904		2.0	4.0					1.000	1	U
106507	L1165029	692267	92904		4.0	6.0					1.000	1	U
106507	L1165031	692267	92904		0.0	1.0							
106601	L1166001	691723	92395		0.0	1.0							
106601	L1166002	691723	92395		1.0	2.0					1.000	1	U
106601	L1166003	691723	92395		2.0	4.0					1.000	1	U
106601	L1166004	691723	92395		4.0	6.0					1.000	1	U
106602	L1166007	691680	92381		0.0	1.0							
106602	L1166008	691680	92381		1.0	2.0					1.000	1	U
106602	L1166009	691680	92381		2.0	4.0					1.000	1	U
106602	L1166010	691680	92381		4.0	6.0					1.000	1	U
106701	L1167001	691949	93193		0.0	1.0							
106701	L1167002	691949	93193		1.0	2.0					1.000	1	U
106701	L1167003	691949	93193		2.0	4.0					1.000	1	U
106701	L1167004	691949	93193		4.0	6.0					1.000	1	U
106702	L1167005	691953	93162		0.0	1.0							
106702	L1167006	691953	93162		1.0	2.0					1.000	1	U
106702	L1167007	691953	93162		1.0	2.0					1.000	1	U
106702	L1167008	691953	93162		4.0	6.0					1.000	1	U

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	RDX		
											Result	DL	VQ
106703	L1167009	691973	93141		0.0	1.0							
106703	L1167010	691973	93141		1.0	2.0					1.000	1	U
106703	L1167011	691973	93141		2.0	4.0					1.000	1	U
106703	L1167012	691973	93141		4.0	6.0					1.000	1	U
107001	L1170001	691981	92458		0.0	1.0							
107001	L1170002	691981	92458		1.0	2.0					1.000	1	U
107001	L1170003	691981	92458		2.0	4.0					1.000	1	U
107001	L1170004	691981	92458		4.0	6.0					1.000	1	U
107002	L1170005	691961	92498		0.0	1.0							
107002	L1170006	691961	92498		1.0	2.0					1.000	1	U
107002	L1170007	691961	92498		2.0	4.0					0.084	1	
107002	L1170008	691961	92498		4.0	6.0					0.490	1	
107101	L1171001	691874	92664		0.0	1.0							
107101	L1171002	691874	92664		1.0	2.0					1.000	1	U
107101	L1171003	691874	92664		2.0	4.0					1.000	1	U
107101	L1171004	691874	92664		4.0	6.0					1.000	1	U
107201	L1172001	691875	92586		0.0	1.0							
107201	L1172002	691875	92586		1.0	2.0					1.000	1	U
107201	L1172003	691875	92586		2.0	4.0					1.000	1	U
107201	L1172004	691875	92586		4.0	6.0					1.000	1	U
107201	L1172005	691875	92586		4.0	6.0					1.000	1	U
107303	L1173009	691882	92517		0.0	1.0							
107303	L1173010	691882	92517		1.0	2.0					0.980	0.98	U
107303	L1173011	691882	92517		2.0	4.0					0.970	0.97	U
107303	L1173012	691882	92517		4.0	6.0					1.000	1	U
107304	L1173013	691895	92491		0.0	1.0							
107304	L1173014	691895	92491		1.0	2.0					1.000	1	U
107304	L1173015	691895	92491		2.0	4.0					1.000	1	U
107304	L1173016	691895	92491		4.0	6.0					1.000	1	U
107305	L1173017	691925	92475		0.0	1.0							
107305	L1173018	691925	92475		1.0	2.0					1.000	1	U
107305	L1173019	691925	92475		2.0	4.0					1.000	1	U
107305	L1173020	691925	92475		4.0	6.0					1.000	1	U
107401	L1174001	691962	92425		0.0	1.0							
107401	L1174002	691962	92425		1.0	2.0					1.000	1	U
107401	L1174003	691962	92425		2.0	4.0					1.000	1	U
107401	L1174004	691962	92425		4.0	6.0					1.000	1	U
107501	L1175001	691970	92319		0.0	1.0							
107501	L1175002	691970	92319		1.0	2.0					1.000	1	U
107501	L1175003	691970	92319		2.0	4.0					1.000	1	U
107501	L1175004	691970	92319		4.0	6.0					1.000	1	U

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	RDX		
											Result	DL	VQ
107601	L1176001	691995	92243		0.0	1.0							
107601	L1176002	691995	92243		1.0	2.0					1.000	1	U
107601	L1176003	691995	92243		1.0	2.0					1.000	1	U
107601	L1176004	691995	92243		2.0	4.0					1.000	1	U
107601	L1176005	691995	92243		4.0	6.0					1.000	1	U
107701	L1177001	691839	93355		0.0	1.0							
107701	L1177002	691839	93355		1.0	2.0					0.990	0.99	U
107701	L1177003	691839	93355		2.0	4.0					0.980	0.98	U
107701	L1177004	691839	93355		4.0	6.0					1.000	1	U
108501	L1185001	692145	93053		0.0	1.0							
108501	L1185002	692145	93053		1.0	2.0					1.000	1	U
108501	L1185003	692145	93053		2.0	4.0					1.000	1	U
108501	L1185004	692145	93053		4.0	6.0					1.000	1	U
108502	L1185005	692193	93114		0.0	1.0							
108502	L1185006	692193	93114		1.0	2.0					1.000	1	U
108502	L1185007	692193	93114		1.0	2.0					1.000	1	U
108502	L1185009	692193	93114		4.0	6.0					1.000	1	U
110001	L11100001	691889	92747		0.0	1.0							
110001	L11100002	691889	92747		1.0	2.0					1.000	1	U
110001	L11100003	691889	92747		2.0	4.0					1.000	1	U
110001	L11100004	691889	92747		2.0	4.0					0.960	0.96	U
110003	L11100009	691958	92733		4.0	6.0					1.000	1	U
110003	L11100010	691958	92733		0.0	1.0							
110003	L11100011	691958	92733		1.0	2.0					1.000	1	U
110003	L11100012	691958	92733		1.0	2.0					1.000	1	U
110003	L11100013	691958	92733		2.0	4.0					0.970	0.97	U
110003	L11100014	691958	92733		4.0	6.0					0.990	0.99	U
110021	L111002001	691703	92269		0.0	1.0							
110021	L111002002	691703	92269		0.0	1.0							
110021	L111002003	691703	92269		1.0	2.0					1.000	1	U
110021	L111002004	691703	92269		2.0	4.0					1.000	1	U
110021	L111002005	691703	92269		4.0	6.0					1.000	1	U
110021	L111002006	691703	92269		4.0	6.0					1.000	1	U
112421	L11124001	691974	93402		1.0	2.0					1.000	1	U
112421	L11124002	691974	93402		2.0	4.0					1.000	1	U
112421	L11124003	691974	93402		4.0	6.0					1.000	1	U
112422	L11124004	691977	93392		1.0	2.0					1.000	1	U
112422	L11124005	691977	93392		2.0	4.0					1.000	1	U
112422	L11124006	691977	93392		4.0	6.0					1.000	1	U
112423	L11124007	691956	93454		1.0	2.0					1.000	1	U
112423	L11124008	691956	93454		2.0	4.0					1.000	1	U

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	RDX		
											Result	DL	VQ
112423	L11124009	691956	93454		4.0	6.0					1.000	1	U
112901	L11129001	691933	93378		1.0	2.0					1.000	1	U
112901	L11129002	691933	93378		2.0	4.0					1.000	1	U
112901	L11129003	691933	93378		4.0	6.0					1.000	1	U
112902	L11129004	691961	93373		1.0	2.0							
112902	L11129005	691961	93373		2.0	4.0							
112902	L11129006	691961	93373		2.0	4.0							
112903	L11129007	691939	93367		1.0	2.0					1.000	1	U
112903	L11129008	691939	93367		2.0	4.0					1.000	1	U
112903	L11129009	691939	93367		4.0	6.0					1.000	1	U
115201	L11152001	691670	93440		1.0	2.0							
115201	L11152002	691670	93440		2.0	4.0							
115202	L11152003	691677	93430		1.0	2.0							
115202	L11152004	691677	93430		2.0	4.0							
115203	L11152005	691655	93409		1.0	2.0							
115203	L11152006	691655	93409		2.0	4.0							
115204	L11152007	691646	93444		1.0	2.0							
115204	L11152008	691646	93444		2.0	4.0							
115205	L11152009	691681	93484		1.0	2.0							
115205	L11152009DL	691681	93484		1.0	2.0							
115205	L11152011	691681	93484		2.0	4.0							
115206	L11152012	691648	93431		1.0	2.0							
115206	L11152013	691648	93431		2.0	4.0							
115207	L11152014	691651	93420		1.0	2.0							
115207	L11152015	691651	93420		2.0	4.0							
115501	L11155001	691829	92890		0.0	1.0							
115501	L11155002	691829	92890		1.0	2.0					1.000	1	U
115501	L11155003	691829	92890		2.0	4.0					0.980	0.98	U
115501	L11155004	691829	92890		4.0	6.0					1.000	1	U
115501	L11155005	691829	92890		4.0	6.0					0.970	0.97	U
115502	L11155006	691921	92626		0.0	1.0							
115502	L11155007	691921	92626		1.0	2.0					1.000	1	U
115502	L11155008	691921	92626		2.0	4.0					1.000	1	U
115502	L11155009	691921	92626		4.0	6.0					1.000	1	U
115503	L11155010	692016	92333		0.0	1.0							
115503	L11155011	692016	92333		1.0	2.0					0.990	0.99	U
115503	L11155012	692016	92333		2.0	4.0					0.990	0.99	U
116901	L11169001	691798	92297		0.0	1.0							
116901	L11169002	691798	92297		1.0	2.0							
116902	L1169003	691703	93210		0.0	1.0							
116902	L1169004	691703	93210		1.0	2.0							

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	RDX		
											Result	DL	VQ
116903	L11169005	691920	92946		0.0	1.0							
116903	L11169006	691920	92946		1.0	2.0							
116904	L11169007	691946	92866		0.0	1.0							
116904	L11169008	691946	92866		1.0	2.0							
116905	L11169009	692120	92125		0.0	1.0							
116905	L11169010	692120	92125		1.0	2.0							
116906	L11169011	692028	92646		1.0	2.0							
116907	L11169013	692114	92355		0.0	1.0							
116907	L11169014	692114	92355		1.0	2.0							
116908	L11169016	692066	92273		0.0	1.0							
116908	L11169017	692066	92273		1.0	2.0							
116909	L11169018	691757	92233		0.0	1.0							
116909	L11169019	691757	92233		1.0	2.0							
116910	L11169020	691979	93373		0.0	1.0							
116910	L11169021	691979	93373		1.0	2.0							
116911	L11169022	691769	93328		0.0	1.0							
116911	L11169023	691769	93328		1.0	2.0							
116912	L11169024	691863	93415		0.0	1.0							
116912	L11169025	691863	93415		1.0	2.0							
116913	L11169026	691701	92898		0.0	1.0							
116913	L11169027	691701	92898		1.0	2.0							
116914	L11169028	691725	93411		0.0	1.0							
116914	L11169028DL	691725	93411		0.0	1.0							
116914	L11169029	691725	93411		1.0	2.0							
116914	L11169029DL	691725	93411		1.0	2.0							
116915	L11169030	691883	93355		0.0	1.0							
116915	L11169031	691883	93355		0.0	1.0							
116916	L11169032	692204	93063		0.0	1.0							
116916	L11169033	692204	93063		0.0	1.0							
116916	L11169034	692204	93063		1.0	2.0							
116917	L11169035	691698	92263		0.0	1.0							
116917	L11169036	691698	92263		1.0	2.0							
116918	L11169037	691949	93168		0.0	1.0							
116918	L11169038	691949	93168		1.0	2.0							
116919	L11169039	692104	92656		0.0	1.0							
116919	L11169040	692104	92656		1.0	2.0							
116920	L11169041	691813	92098		0.0	1.0							
116920	L11169042	691813	92098		1.0	2.0							
116920	L11169043	691813	92098		1.0	2.0							
116921	L11169044	692141	92572		0.0	1.0							
116921	L11169045	692141	92572		1.0	2.0							

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	RDX		
											Result	DL	VQ
116922	L11169046	692089	92779		0.0	1.0							
116922	L11169047	692089	92779		1.0	2.0							
116925	L11169052	691675	93311		0.0	1.0							
116925	L11169053	691675	93311		1.0	2.0							
160302	L1163014	692094	92997		1.0	2.0					1.000	1	U
163701	L1163001	691731	92351		0.0	1.0							
163701	L1163002	691731	92351		1.0	2.0					1.000	1	U
163701	L1163003	691731	92351		2.0	4.0							
163701	L1163004	691731	92351		4.0	6.0					1.000	1	U
163702	L1163005	691759	92309		0.0	1.0							
163702	L1163006	691759	92309		1.0	2.0					1.000	1	U
163702	L1163007	691759	92309		2.0	4.0					1.000	1	U
163702	L1163008	691759	92309		4.0	6.0					1.000	1	U
10DD01	L110DD001	691669	93262		0.0	1.0							
10DD01	L110DD002	691669	93262		1.0	2.0					1.000	1	U
10DD01	L110DD003	691669	93262		2.0	4.0					0.990	0.99	U
10DD01	L110DD004	691669	93262		4.0	6.0					1.000	1	U
10DD02	L110DD005	691641	93234		0.0	1.0							
10DD02	L110DD006	691641	93234		1.0	2.0					1.000	1	U
10DD02	L110DD007	691641	93234		2.0	4.0					1.000	1	U
10DD02	L110DD008	691641	93234		4.0	6.0					0.960	0.96	U
10DD03	L110DD009	691565	93119		0.0	1.0							
10DD03	L110DD010	691565	93119		1.0	2.0					0.990	0.99	U
10DD03	L110DD011	691565	93119		2.0	4.0					1.000	1	U
10DD03	L110DD012	691565	93119		4.0	6.0					0.990	0.99	U
10DD04	L110DD013	691508	93081		0.0	1.0							
10DD04	L110DD014	691508	93081		1.0	2.0					1.000	1	U
10DD04	L110DD015	691508	93081		2.0	4.0					0.980	0.98	U
10DD04	L110DD016	691508	93081		2.0	4.0					0.960	0.96	U
10DD04	L110DD017	691508	93081		4.0	6.0					1.000	1	U
10DD05	L110DD018	691525	93099		0.0	1.0							
10DD05	L110DD019	691525	93099		1.0	2.0					0.990	0.99	U
10DD07	L110DD026	691660	93153		0.0	1.0							
10DD07	L110DD027	691660	93153		1.0	2.0					0.980	0.98	U
10DD07	L110DD028	691660	93153		2.0	4.0					0.980	0.98	U
10DD07	L110DD029	691660	93153		4.0	6.0					0.990	0.99	U
10DD09	L110DD034	691861	92762		0.0	1.0							
10DD09	L110DD035	691861	92762		1.0	2.0					0.140	1	
10DD09	L110DD036	691861	92762		2.0	4.0					0.580	0.99	
10DD09	L110DD037	691861	92762		4.0	6.0					0.750	0.99	
10DD10	L110DD038	691839	92768		0.0	1.0							

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	RDX		
											Result	DL	VQ
10DD10	L110DD039	691839	92768		0.0	1.0							
10DD10	L110DD040	691839	92768		1.0	2.0					1.000	1	U
10DD10	L110DD041	691839	92768		2.0	4.0					1.000	1	U
10DD10	L110DD042	691839	92768		4.0	6.0					0.990	0.99	U
10DD11	L110DD043	691762	92784		0.0	1.0							
10DD11	L110DD044	691762	92784		1.0	2.0					1.000	1	U
10DD11	L110DD045	691762	92784		1.0	2.0					1.000	1	U
10DD11	L110DD046	691762	92784		2.0	4.0					1.000	1	U
10DD11	L110DD047	691762	92784		4.0	6.0					1.000	1	U
10DD12	L110DD048	691726	92790		0.0	1.0							
10DD12	L110DD049	691726	92790		1.0	2.0					0.970	0.97	U
10DD12	L110DD050	691726	92790		2.0	4.0					0.960	0.96	U
10DD12	L110DD051	691726	92790		4.0	6.0					0.960	0.96	U
10DD13	L110DD052	691627	92701		0.0	1.0							
10DD13	L110DD053	691627	92701		1.0	2.0					1.000	1	U
10DD13	L110DD054	691627	92701		2.0	4.0					1.000	1	U
10DD13	L110DD055	691627	92701		4.0	6.0					1.000	1	U
10DD14	L110DD056	691617	92673		0.0	1.0							
10DD14	L110DD057	691617	92673		1.0	2.0					1.000	1	U
10DD14	L110DD058	691617	92673		2.0	4.0					1.000	1	U
10DD14	L110DD059	691617	92673		4.0	6.0					1.000	1	U
10DD15	L110DD060	691625	92545		0.0	1.0							
10DD15	L110DD061	691625	92545		1.0	2.0					1.000	1	U
10DD15	L110DD062	691625	92545		2.0	4.0					1.000	1	U
10DD15	L110DD063	691625	92545		4.0	6.0					1.000	1	U
10DD16	L110DD065	691588	92546		1.0	2.0					1.000	1	U
10DD16	L110DD066	691588	92546		2.0	4.0					1.000	1	U
10DD16	L110DD067	691588	92546		4.0	6.0					1.000	1	U
10DD17	L110DD069	691547	92435		1.0	2.0					1.000	1	U
10DD17	L110DD070	691547	92435		2.0	4.0					1.000	1	U
10DD17	L110DD071	691547	92435		4.0	6.0					1.000	1	U
10DD17	L110DD072	691547	92435		4.0	6.0					1.000	1	U
10DD18	L110DD074	691582	92419		1.0	2.0					1.000	1	U
10DD18	L110DD075	691582	92419		2.0	4.0					1.000	1	U
10DD18	L110DD076	691582	92419		4.0	6.0					1.000	1	U
10DD19	L110DD077	691678	92547		0.0	1.0							
10DD19	L110DD078DL	691678	92547		1.0	2.0							
10DD19	L110DD079DL	691678	92547		2.0	4.0							
10DD20	L110DD081	691806	92511		0.0	1.0							
10DD20	L110DD082	691806	92511		1.0	2.0					1.000	1	U
10DD20	L110DD083	691806	92511		2.0	4.0					1.000	1	U

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	RDX		
											Result	DL	VQ
10DD20	L110DD084	691806	92511		4.0	6.0					1.000	1	U
10DD21	L110DD085	691838	92504		0.0	1.0							
10DD21	L110DD086	691838	92504		1.0	2.0					1.000	1	U
10DD21	L110DD087	691838	92504		2.0	4.0					1.000	1	U
10DD21	L110DD088	691838	92504		4.0	6.0					1.000	1	U
10DD22	L110DD089	691858	92111		0.0	1.0							
10DD22	L110DD090	691858	92111		1.0	2.0					1.000	1	U
10DD22	L110DD091	691858	92111		2.0	4.0					1.000	1	U
10DD22	L110DD092	691858	92111		4.0	6.0					1.000	1	U
10DD23	L110DD094	691798	92021		1.0	2.0					1.000	1	U
10DD23	L110DD095	691798	92021		2.0	4.0					1.000	1	U
10DD23	L110DD096	691798	92021		4.0	6.0					1.000	1	U
10DD25	L110DD102	691742	92808		2.0	4.0							
10DD25	L110DD103	691742	92808		1.0	2.0					1.000	1	U
10DD25	L110DD104	691742	92808		2.0	4.0					1.000	1	U
10DD25	L110DD105	691742	92808		4.0	6.0					1.000	1	U
10DD26	L110DD106	691759	92856		0.0	1.0							
10DD26	L110DD107	691759	92856		1.0	2.0					1.000	1	U
10DD26	L110DD108	691759	92856		2.0	4.0					1.000	1	U
10DD26	L110DD109	691759	92856		4.0	6.0					1.000	1	U
10DD27	L110DD110	691918	91943		0.0	1.0							
10DD27	L110DD111	691918	91943		1.0	2.0					1.000	1	U
10DD27	L110DD112	691918	91943		2.0	4.0					1.000	1	U
10DD27	L110DD113	691918	91943		4.0	6.0					1.000	1	U
10DD28	L110DD115	691840	91886		1.0	2.0					1.000	1	U
10DD28	L110DD116	691840	91886		2.0	4.0					1.000	1	U
10DD28	L110DD117	691840	91886		4.0	6.0					1.000	1	U
10DD29	L110DD131	691632	93305		0.0	1.0							
10DD29	L110DD132	691632	93305		1.0	2.0					1.000	1	U
10DD29	L110DD133	691632	93305		2.0	4.0					1.000	1	U
10DD29	L110DD134	691632	93305		4.0	6.0					1.000	1	U
L1-E46-C001	IAAP137907						EU4	F	46	west wall BC 4 and 5	0.12	0.25	J
L1-E46-C002	IAAP137908									west wall BC 6, 7 and 3	1.10	0.25	=
L1-E46-C003	IAAP137909									floor BC 1, 9, 2, 3, 7, and 6	0.69	0.25	=
L1-E46-C004	IAAP137910									south wall BC 2, 3, and 4	0.25	0.25	U
L1-E46-C005	IAAP137911									floor BC 3, 4, 5, 6, and 7	0.21	0.25	J
L1-E46-C006	IAAP137912									east wall BC 1, 9, and 2	0.11	0.25	J

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	RDX		
											Result	DL	VQ
L1-E12-C001	IAAP112282						EU5	B	12	north wall BC 1 and 12	0.29	0.29	U
L1-E12-C002	IAAP112282-1					FD of IAAP112282				0.30	0.3	U	
L1-E12-C004	IAAP112283					east wall BC 1 and 2				0.27	0.27	U	
L1-E12-C005	IAAP112284					south wall BC 2 and 3				0.29	0.29	U	
L1-E12-C006	IAAP112285					west wall BC 8, 9, and 10; 11 and 12				0.29	0.29	U	
L1-E12-C007	IAAP112286					floor of EXC				0.29	0.29	U	
L1-E14-C001	IAAP112292						EU5	D	14	north wall BC 1 and 8	0.31	0.31	U
L1-E14-C002	IAAP112293					east wall BC 1 and 2				0.32	0.32	U	
L1-E14-C004	IAAP112295					west wall BC 7 and 8				0.32	0.32	U	
L1-E14-C005	IAAP112296					floor of EXC				0.31	0.31	U	
L1-E15-C001	IAAP112297						EU5	E North	15	Wall BC 15, 1, & 2	0.29	0.29	U
L1-E15-C004	IAAP112298					Wall BC 2, 3, 4, 5, & 6				0.28	0.28	U	
L1-E15-C007	IAAP112301					Wall BC 9, 10, 11, 12, 13, 14, & 15				0.28	0.28	U	
L1-E15-C009	IAAP112303					Floor BC 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, & 15				0.30	0.3	U	
L1-E15-C012	IAAP113264					Wall BC 6, 7, 8, & 9				0.29	0.29	U	
L1-E15-C005	IAAP112299					Wall BC 1, 2, 3, 4, 5, 6, and 7				0.33	0.29	J	
L1-E15-C006	IAAP112300					Wall BC 7, 8, and 9	0.27	0.27	UJ				
L1-E15-C008	IAAP112302					Wall BC 9, 10, 11, and 12	0.30	0.3	UJ				
L1-E15-C010	IAAP112353					Wall BC 12, 13 and 1	0.30	0.3	UJ				
L1-E15-C017-P4	IAAP132502					Floor BC 1, 2, 3, 4, 5, 11, 12, and 13	0.25	0.25	U				
L1-E15-C021-P4	IAAP132648					Floor BC 5,6, 10 and 11	1.70	0.25	=				
L1-E15-C022-P4	IAAP132649					Floor BC 6, 7, 8, 9, and 10	1.50	0.25	=				
L1-E50-C001	IAAP138923						EU5	F	50	Wall BC 26, 27, 28, 29 and 30	0.25	0.25	U
L1-E50-C002	IAAP138924					Wall BC 17, 18, 19, 20, and 21				0.25	0.25	U	
L1-E50-C003	IAAP138925					Wall BC 21, 22, 23, 24, 25, and 26				0.25	0.25	U	
L1-E50-C004	IAAP138926					Floor BC 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 48, and 49				0.23	0.25	J	
L1-E50-C005	IAAP138927					Wall BC 30, 31, 32, 33, 34, 35, and 36				0.73	0.25	=	
L1-E50-C007	IAAP138929					Wall BC 36, 37, 38, 39, 40, and 41				0.83	0.25	=	
L1-E50-C008	IAAP138930					Wall BC 8, 9, 10, 11, 12, 13, 14, 15, 16, and 17				0.44	0.25	=	
L1-E50-C009	IAAP138931					Floor BC 16, 17, 49, 48, 30, 31, 32, 33, 34, 35, 36, 37, 38, and 50				0.64	0.25	=	
L1-E50-C010	IAAP138932					Floor BC 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 50, 38, 39 40, 41, 46, and 47				0.81	0.25	=	
L1-E50-C011	IAAP139424					Wall BC 41, 42, 43, 44, and 45				0.10	0.25	J	
L1-E50-C012	IAAP139425					Wall BC 41 and 46				0.10	0.25	J	
L1-E50-C013	IAAP139426					Floor BC 41, 42, 43, 44, 45 and 46				0.25	0.25	U	
L1-E50-C016	IAAP139427					Wall BC 1, 2, 3, 4, 5, 6, 7, and 8				0.36	0.25	=	
L1-E17-C002	IAAP112310									EU5	G	17	east wall BC 8, 9, and 10
L1-E17-C011	IAAP131818					north wall BC 1, 2, and 3	0.25	0.25	U				
L1-E17-C009	IAAP131816					floor BC 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15 and 16	0.80	0.25	=				
L1-E17-C010	IAAP131817					floor BC 1, 2, 3, 4, 5, 16, and 17	0.25	0.25	U				

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	RDX		
											Result	DL	VQ
L1-E21-C001	IAAP112331						EU5	K	21	Wall BC 1 and 2	0.31	0.31	U
L1-E21-C002	IAAP112332					Wall BC 2 and 3				0.31	0.31	U	
L1-E21-C004	IAAP112334					Wall BC 1 and 23				0.30	0.3	U	
L1-E21-C005	IAAP112335					Floor BC 1, 2, 3, 24, and 23				0.60	0.35	=	
L1-E21-C010-P4	IAAP131855					Wall BC 4, 5, and 6				0.25	0.25	U	
L1-E21-C011-P4	IAAP131856					Wall BC 19, 20, 21, and 22				0.25	0.25	U	
L1-E21-C012-P4	IAAP131857					Floor BC 3, 4, 5, 6, 7, 8, 9, 18, 19, 20, 21, 22, 23, and 24				0.25	0.25	U	
L1-E1-C014	IAAP132640					Wall BC 9, 10, 11, and 12				0.68	0.25	=	
L1-E1-C015	IAAP132641					Wall BC 13, 14, 15, 16, 17, and 18				0.25	0.25	=	
L1-E21-C017	IAAP133121					Floor BC 9, 10, 11, 12, 13, 14, 15, 16, 17, and 18				0.30	0.25	=	
L1-E21-C020	IAAP133122					Floor BC 25, 26, 27, and 28				0.09	0.25	J	
L1-E21-C021	IAAP133123					Wall BC 26 and 27				0.25	0.25	U	
L1-E21-C022	IAAP133124					Wall BC 25 and 28				0.25	0.25	U	
L1-E21-C023	IAAP133125					Wall BC 27 and 28				0.16	0.25	J	
L1-E21-C024	IAAP133126					Wall BC 25 and 26				0.04	0.25	J	
L1-E55-C001	IAAP144023					Wall BC 1 and 13	0.11	0.25	J				
L1-E55-C004	IAAP144024					Wall BC 7 and 8	0.25	0.25	U				
L1-E55-C005	IAAP144025					Wall BC 6 and 7	0.25	0.25	U				
L1-E55-C006	IAAP144026					Floor BC 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, and 13	0.25	0.25	U				
L1-E55-C007	IAAP144027					Ramp BC 4, 5, 22 and 23	0.25	0.25	U				
L1-E55-C008	IAAP144028					Wall BC 19, 20, and 21 & BC 25 and 26	0.12	0.25	J				
L1-E55-C009	IAAP144029					Wall BC 14, 15, 27 and 28 & BC 1 and 2	0.15	0.25	J				
L1-E55-C010	IAAP144030					Wall BC 15 and 26	1.10	0.25	=				
L1-E55-C011	IAAP144031					Floor BC 14, 15, 26, 25, 16, 24, 17, 20, 21, 19, and 18	0.51	0.25	=				
L1-E56-C001	IAAP143936					Wall BC 1, 6, & 5	0.25	0.25	U				
L1-E56-C002	IAAP143937					Wall BC 2, 3, & 4	0.25	0.25	U				
L1-E56-C003	IAAP143938					Wall BC 4 & 5	0.25	0.25	U				
L1-E56-C004	IAAP143939					Floor BC 1, 2, 3, 4, 5, & 6	0.09	0.25	J				
L1-E57-C001	IAAP144578					Wall BC 16 & 17	0.19	0.25	J				
L1-E57-C002	IAAP144579					Wall BC 1 & 17	0.38	0.25	=				
L1-E57-C003	IAAP144580					Wall BC 15 & 16	0.16	0.25	J				
L1-E57-C004	IAAP144581					Floor BC 1, 15, 16 & 17	0.58	0.25	=				
L1-E57-C005	IAAP144582					Wall BC 13, 14, & 15	0.25	0.25	=				
L1-E57-C006	IAAP144583					Wall BC 12 & 13	0.79	0.25	=				
L1-E57-C007	IAAP144584					Wall BC 9, 10, 11, & 12	0.25	0.25	U				
L1-E57-C010	IAAP144585					Wall BC 5, 6, 7, 8, & 9	0.25	0.25	U				
L1-E57-C011	IAAP144586					Wall BC 3 & 4	0.08	0.25	J				
L1-E57-C012	IAAP144587					Floor BC 1, 2, 3, 8, 9, 10, 11, 12,13, 14, &15	1.20	0.25	=				
L1-E57-C013-P2	IAAP144941					Floor BC 3, 4, 5, 6, 7, & 8	0.40	0.25	=				
L1-E57-C014	IAAP144589					Wall BC 2 & 3	1.90	0.25	=				
L1-E57-C015	IAAP144590					Wall BC 1 & 2	0.08	0.25	J				

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	RDX				
											Result	DL	VQ		
L1-E58-C008	IAAP151730						EU5	Q	58	Wall BC 18, 19, & 20	0.06	0.25	J		
L1-E58-C009	IAAP151731											Wall BC 16, 17, & 18	0.24	0.24	U
L1-E58-C010	IAAP151732											Wall BC 6, 7, 8, & 9	0.23	0.23	U
L1-E58-C011	IAAP151733											Wall BC 9, 10, 11, & 12	0.08	0.24	J
L1-E58-C013	IAAP151735											Wall BC 12 & 13	0.24	0.24	U
L1-E58-C014	IAAP151736											Floor BC 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 16, 17, 18, 19, & 20	0.24	0.24	U
L1-E58-C015	IAAP151737											Wall BC 15 & 16	0.23	0.23	U
L1-E58-C016	IAAP151738											Wall BC 13 & 14	0.23	0.23	U
L1-E58-C017	IAAP151739											Wall BC 14 & 15	0.22	0.22	U
L1-E58-C018	IAAP151740											Floor BC 13, 14, 15, & 16	0.22	0.22	U
L1-E58-C022-P2	IAAP165446											Floor 21, 22, 23, 36, 37, 38, 31, 32, 34, & 35	0.25	0.25	U
L1-E58-C023-P3	IAAP165496											Wall BC 25 & 26	0.11	0.25	J
L1-E58-C028	IAAP157270											Wall BC 33 & 63	0.11	0.25	J
L1-E58-C029	IAAP157271											Wall BC 32 & 63	0.46	0.24	=
L1-E58-C030-P4	IAAP166001											Floor BC 26, 27, 28, 29, 30, 31, & 38	0.32	0.25	=
L1-E58-C031-P3	IAAP165556											Wall BC 26, 27, & 28	0.21	0.25	J
L1-E58-C032	IAAP157274											Wall BC 61 & 62	0.24	0.24	U
L1-E58-C034	IAAP157278											Wall BC 21 & 22	0.14	0.23	J
L1-E58-C035-P2	IAAP165445											Wall BC 21, 35, & 34	0.07	0.25	J
L1-E58-C036	IAAP165451											Wall BC 29, 30, 31, & 32	1.20	0.25	=
L1-E58-C037	IAAP165495											Wall BC 22, 23, 24 & 25	0.25	0.25	U
L1-E58-C038	IAAP165497											Floor BC 23, 24, 25, 26, 37, & 36	0.31	0.25	=
L1-E58-C039	IAAP166000											Wall BC 28 & 29	0.08	0.25	J
L1-E58-C040	IAAP166002											Wall BC 45, 46, 47, & 48	0.72	0.25	=
L1-E58-C043	IAAP166003											Floor BC 40, 41, 42, 43, 44, 45, 46, 47, & 48	0.25	0.25	U
L1-E58-C044	IAAP166004											Wall BC 40, 41, 42, & 43	0.12	0.25	J
L1-E58-C045-P2	IAAP166379											Wall 55, 56, 57, 58, 59 & 60	0.25	0.25	U
L1-E58-C046-P3	IAAP167012											Floor 50, 51, 52, 53, 54, 55, 56, 57, 58, 59 & 60	0.33	0.25	=
L1-E58-C047	IAAP166009											Wall 50, 51, 52, 53, 54, & 55	0.25	0.25	U
L1-E58-C048	IAAP167013											Wall BC 52 & 53	0.25	0.25	U
L1-E58-C049	IAAP167014								Wall BC 55, 56, & 57	0.25	0.25	U			
L1-E58-C001	IAAP150654						EU5	Q North	58	Wall BC 1 & 2	0.21	0.25	J		
L1-E58-C002	IAAP150655											Wall BC 3 & 4	0.25	0.25	U
L1-E58-C003	IAAP150657											Floor BC 1, 2, 3, & 4	0.47	0.25	=
L1-E58-C004	IAAP150658											Wall BC 2 & 3	0.25	0.25	U
L1-E58-C005	IAAP150656											Wall BC 1 & 4	0.09	0.25	J
L1-E23-C009	IAAP137935					EU6	A	23	north wall BC7, 8, 9, 10, 11, and 12	2.20	0.25	=			
L1-E23-C010-P2	IAAP138635											south wall BC 1, 2, 3, and 4	0.31	0.25	=
L1-E23-C011	IAAP137937											west wall BC 4, 5, 6, and 7	0.46	0.25	=
L1-E23-C012	IAAP137938											floor of EXC	0.69	0.25	=

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	RDX		
											Result	DL	VQ
L1-E47-C001	IAAP138781						EU6	B	47	floor of EXC	0.10	0.25	J
L1-E47-C002	IAAP138782					north wall BC 9, 10, 11, 12, and 1				0.25	0.25	U	
L1-E47-C003	IAAP138783					east wall BC 1, 2, and 3				0.25	0.25	U	
L1-E47-C004	IAAP138784					south wall BC 3, 4, 5, 6, and 7				0.25	0.25	U	
L1-E47-C005	IAAP138785					west wall BC 7, 8, and 9				0.25	0.25	U	
L1-E49-C001	IAAP138902						EU6	C	49	Floor BC 40, 41, 42, and 43	0.25	0.25	U
L1-E49-F001	IAAP138917					Wall BC 42 and 43				0.25	0.25	U	
L1-E49-C002	IAAP139501					Floor BC 36, 37, 38, and 39				0.07	0.25	J	
L1-E49-C003	IAAP139502					Wall BC 36 and 39				0.25	0.25	U	
L1-E49-C004	IAAP139828					Wall BC 31, 32, and 33				0.25	0.25	U	
L1-E49-C005-P2	IAAP140363					Wall BC 20, 22, 23, 24, 25, 26, 27, 30, and 31				0.81	0.25	=	
L1-E49-C006	IAAP139830					Wall BC 1, 2, 3, 4, 5, 6, 7, and 8				0.25	0.25	U	
L1-E49-C009	IAAP139831					Floor BC 1, 2, 3, 4, 5, 6, 7, 8, 29, 28, 27, 30, 31, 32, 33, 34, and 35				0.25	0.25	U	
L1-E49-C010-P2	IAAP140362					Floor BC 8, 9, 10, 11, 12, 21, 20, 22, 23, 24, 25, 26, 27, 28, and 29				0.29	0.25	=	
L1-E49-C011	IAAP139833					Wall BC 8, 9, 10, 11, and 12				0.21	0.25	J	
L1-E49-C012	IAAP139991					Wall BC 18, 19, and 20				0.11	0.25	J	
L1-E49-C013	IAAP139992					Wall BC 12, 13, 14, and 15				0.06	0.25	J	
L1-E49-C014	IAAP139993					Wall BC 15, 16, 17, and 18				0.37	0.25	=	
L1-E49-C015	IAAP139994					Floor BC 12, 13, 14, 15, 16, 17, 18, 19, 20, and 21				0.16	0.25	J	
L1-E51-C001	IAAP139117									EU6	D	51	Wall BC 1, 2, 3, and 4
L1-E51-C004	IAAP139118					Wall BC 4, 5, 6, and 7	0.25	0.25	U				
L1-E51-C005	IAAP139119					Wall BC 7, 8, and 9	0.25	0.25	U				
L1-E51-C006	IAAP139120					Wall BC 9, 10, and 1	0.25	0.25	U				
L1-E51-C007	IAAP139121					Floor BC 1, 2, 3, 4, 5, 6, 7, 8, 9, and 10	0.25	0.25	U				

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	RDX		
											Result	DL	VQ
L1-E24/25-C001	IAAP132628						EU7	A & B	24 & 25	Floor BC 20, 21, 22 & 23	0.93	0.25	=
L1-E24/25-C002	IAAP132629					Floor BC 13, 14, 15, 16, 17, 18, 19, 20, 23, & 24				1.10	0.25	=	
L1-E24/25-C003	IAAP132630					Floor BC 24, 26, 27, 28, 29, & 25				0.10	0.25	J	
L1-E24/25-C004	IAAP132631					Floor BC 11, 12, 13, 24, 25, & 29				0.05	0.25	J	
L1-E24/25-C005	IAAP132632					Floor BC 30, 53, 54, & 31				0.25	0.25	U	
L1-E24/25-C006	IAAP132633					Floor BC 8, 9, 10, 11, 29, 30, 31, & 32				0.04	0.25	J	
L1-E24/25-C009-P2	IAAP133094					Wall BC 17, 18, 19, & 20				0.05	0.25	J	
L1-E24/25-C010	IAAP132635					Wall BC 8, 9, 10, 11, 12, 13, 14, 15, 16, & 17				0.40	0.25	=	
L1-E24/25-C011	IAAP132636					Floor BC 1, 2, 3, 4, 5, 6, 44, 36, 37, 38, 39, 40, 41, 42, & 43				0.25	0.25	=	
L1-E24/25-C012	IAAP131881					Floor BC 6, 7, 8, 32, 33, 34, 46, 45, 36, & 44				0.32	0.25	=	
L1-E24/25-C013	IAAP131882					Wall BC 40, 41, 42, 43, & 1				0.19	0.25	J	
L1-E24/25-C014	IAAP131883					Wall BC 32 & 33				0.94	0.25	=	
L1-E24/25-C015	IAAP131884					Wall BC 2, 3, 4, 5, 6, 7, & 8				0.42	0.25	=	
L1-E24/25-C016-P2	IAAP133095					Wall BC 36, 37, 38, 39, & 40				0.16	0.25	J	
L1-E24/25-C017-P2	IAAP133096					Wall BC 33 & 34				0.25	0.25	U	
L1-E24/25-C018	IAAP140465					Wall BC 45, 36, 35, 52, & 51				0.34	0.25	=	
L1-E24/25-C021	IAAP140466					Wall BC 48 & 49				0.10	0.25	J	
L1-E24/25-C022	IAAP140467					Wall BC 46, 34, 47, & 48				1.00	0.25	=	
L1-E24/25-C023	IAAP140468					Wall BC 49, 50, & 51				0.20	0.25	J	
L1-E24/25-C024	IAAP140469					Floor BC 35, 34, 47, 48, 49, 50, 51, & 52				0.46	0.25	=	
L1-E24/25-C025-P2	IAAP141196					Floor BC 34, 35, 45, & 46				0.46	0.25	=	

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	RDX		
											Result	DL	VQ
L1-E24/25-CO26	IAAP151199						EU7	A & B North	24 & 25	Wall BC 24 & 25	1.00	0.23	=
L1-E24/25-CO27	IAAP151200					Wall BC 22, 23, & 24				0.15	0.24	J	
L1-E24/25-CO28	IAAP151201					Wall BC 25, 26, 27, & 28				0.09	0.25	J	
L1-E24/25-CO29	IAAP151202					Floor BC 22, 23 24, 25, 26, 27, & 28				0.40	0.25	=	
L1-E24/25-C031	IAAP151488					Floor BC 3, 4, 5, 10, 11 12 13, 14, & 15				0.36	0.25	J	
L1-E24/25-C032	IAAP151489					Wall BC 4 & 5				0.12	0.23	J	
L1-E24/25-C033	IAAP151490					Wall BC 20 & 21				0.24	0.24	UJ	
L1-E24/25-C034	IAAP151491					Wall BC 19 & 20				0.25	0.25	UJ	
L1-E24/25-C036	IAAP151493					Wall BC 17 & 18				0.22	0.25	J	
L1-E24/25-C037	IAAP151494					Wall BC 3 & 4				0.46	0.24	J	
L1-E24/25-C040	IAAP151495					Ramp BC 1, 2, 3, 15, & 16				0.97	0.25	J	
L1-E24/25-C041	IAAP151496					Wall BC 2 & 3				0.55	0.25	J	
L1-E24/25-C043	IAAP151498					Wall BC 12, 13, 14, & 15				0.11	0.24	J	
L1-E24/25-C044	IAAP151499					Wall BC 11 & 12				0.25	0.25	UJ	
L1-E24/25-C030-P2	IAAP151698					Floor BC 17, 18, 19, 20, & 21				0.19	0.25	J	
L1-E24/25-C035-P2	IAAP151697					Wall BC 18 & 19				0.25	0.25	U	
L1-E24/25-C042-P2	IAAP151699					Wall BC 1, 16 & 15				0.20	0.24	J	
L1-E24/25-C045	IAAP151700					Wall BC 8, 9, 10, & 11				0.24	0.24	U	
L1-E24/25-C046	IAAP151701					Ramp BC 5, 6, 7, 8, 9, & 10				0.38	0.24	=	
L1-E24/25-C049	IAAP151702					Wall BC 5 & 6				0.25	0.25	U	
L1-E24/25-C050	IAAP151703					Wall BC 6 & 7	0.25	0.25	U				
L1-E26-C001	IAAP112372					north wall BC 1 and 4	0.32	0.32	UJ				
L1-E26-C002	IAAP112373					east wall BC 1 and 2	0.33	0.33	UJ				
L1-E26-C003	IAAP112374					south wall BC 2 and 3	0.31	0.31	UJ				
L1-E26-C004	IAAP112375					west wall BC 3 and 4	0.32	0.32	UJ				
L1-E26-C005	IAAP112376					floor of EXC	0.34	0.34	UJ				
L1-E26-C006	IAAP112376-1					FD of IAAP112376	0.34	0.34	UJ				
L1-E27-C001-P3	IAAP138933					Wall BC 18 and 19	0.14	0.25	J				
L1-E27-C003-P4	IAAP139431					Wall BC 5, 21, and 11 & Wall BC 6, 7, and 8	0.15	0.25	J				
L1-E27-C004-P3	IAAP138936					Wall BC 8, 9, 10, 11 and 12 & BC 13 and 14 & BC 17 and 18	7.30	0.25	=				
L1-E27-C005-P3	IAAP138937					Floor BC 11, 12, 13, 14, 15, 16, 17, 18, 19, and 21	0.50	0.25	=				
L1-E27-C009	IAAP138935					Wall BC 19 and 21	0.25	0.25	U				
L1-E27-C010-P2	IAAP139428					Wall BC 2, 3, 4, 5, and 6	0.28	0.25	=				
L1-E27-C011-P2	IAAP139429					Floor BC 3, 4, 5, 21, and 19	0.81	0.25	=				
L1-E27-C012	IAAP139430					Ramp BC 1, 2, 3, 19, and 20	0.33	0.25	=				
L1-E27-C013	IAAP139432					Floor BC 5, 6, 7, 8, 10, 11, and 21	0.36	0.25	=				
L1-E27-C014	IAAP139433					Wall BC 14, 15, 16, and 17	0.50	0.25	=				
L1-E27-C015	IAAP139434					Wall BC 12 and 13	0.25	0.25	U				
L1-E27-C016	IAAP140304					Boreholes west of steam line	0.25	0.25	U				

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	RDX		
											Result	DL	VQ
L1-E53-C001	IAAP139789						EU7	E	53	Wall BC 37, 38, 39, 40, 41, & 42	0.11	0.25	J
L1-E53-C002	IAAP139825									Wall BC 42 & 43	0.25	0.25	U
L1-E53-C003	IAAP139826									Wall BC 37, 53, 52, & 51	0.10	0.25	J
L1-E53-C004	IAAP139827									Floor BC 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, & 53	1.10	0.25	=
L1-E53-C005-P2	IAAP146016									Wall BC 2 & 3	0.28	0.25	J
L1-E53-C006	IAAP144924									Wall BC 3 & 4	0.17	0.25	J
L1-E53-C007	IAAP144925									Wall BC 4, 5, & 6	6.40	0.25	=
L1-E53-C008-P2	IAAP146017									Wall BC 6 & 7	12.00	0.25	=
L1-E53-C009-P2	IAAP146018									Wall BC 7, 8, & 9	2.70	0.25	=
L1-E53-C010	IAAP144928									Wall BC 9 & 10	12.00	0.25	=
L1-E53-C011	IAAP144929									Wall BC 10 & 11	0.39	0.25	=
L1-E53-C012	IAAP144930									Wall BC 11 & 12	0.25	0.25	U
L1-E53-C013	IAAP144931									Wall BC 13 & 14	5.80	0.25	=
L1-E53-C014	IAAP144932									Wall BC 14 & 15	2.30	0.25	=
L1-E53-C015	IAAP144933									Wall BC 17 & 18	1.10	0.25	=
L1-E53-C016	IAAP144934									Wall BC 18, 19, 20, & 21	0.44	0.25	=
L1-E53-C017	IAAP144935									Wall BC 21 & 22	2.00	0.25	=
L1-E53-C018-P2	IAAP146019									Wall BC 29, 30, 1, 2, 50 & 51	200.00	1.2	=
L1-E53-C019-P2	IAAP146020									Floor BC 16, 17, 18, 19, 20, & 36	1.30	0.25	=
L1-E53-C020	IAAP144938									Floor BC 9, 10, 11, 12, 13, 14, & 15	0.50	0.25	=
L1-E53-C023-P2	IAAP146021						Floor BC 1, 6, 7, 8, 9, 16, 36, 20, 21, 22, 29, & 30	1.80	0.25	=			
L1-E53-C024	IAAP144940						Floor BC 1, 2, 3, 4, 5, & 6	1.10	0.25	=			
L1-E53-C025	IAAP145144						Ramp BC 22, 23, 24, 25, 26, 27, 28, & 29	0.73	0.25	=			
L1-E53-C026	IAAP145145						Wall BC 22, 23, 24, & 25	0.66	0.25	=			
L1-E53-C027	IAAP145146						Wall BC 26, 27, 28, & 29	1.30	0.25	=			
L1-E53-C028-P2	IAAP146023						Wall BC 31 & 35	0.25	0.25	U			
L1-E53-C029-P2	IAAP146025						Wall BC 34 & 35	0.12	0.25	J			
L1-E53-C030-P2	IAAP146022						Floor BC 31, 32, 33, 34, & 35	0.65	0.25	=			
L1-E53-C031	IAAP146024						Wall BC 31, 32, & 33	0.39	0.25	=			
L1-E32-C005-P2	IAAP150228						EU9	B	32	Wall BC 5 & 6	1.60	0.25	=
L1-E32-C007-P2	IAAP150232									Floor BC 4, 5, 6, 7, 8, 30, 31, & 23	2.80	0.25	=
L1-E32-C0011	IAAP150225									Floor BC 13, 14, 15, 16, 17, & 18	0.11	0.25	J
L1-E32-C0012	IAAP150226									Wall BC 16 & 17	0.13	0.25	J
L1-E32-C001-P3	IAAP150647									Ramp BC 1, 2, 3, 4, 23, 24, 25, 26, 27, 28, & 29	0.52	0.25	=
L1-E32-C006-P3	IAAP150651									Wall BC 22, 31, 23, 24, & 25	0.65	0.25	=
L1-E32-C008-P2	IAAP150650									Floor BC 8, 9, 10, 32, 11, 12, 13 18, 19, 20, 21, 22, 31, & 30	93.00	0.25	=
L1-E32-C013-P2	IAAP150653									Wall BC 32, 11, 12, 13, 14, 15, & 16	0.12	0.25	J
L1-E32-C014	IAAP150648									Wall BC 1, 2, 3, & 4	0.25	0.25	U
L1-E32-C015	IAAP150649									Wall BC 4 & 5	0.25	0.25	U
L1-E32-C016	IAAP150652						Wall BC 18, 19, 20, 21, & 22	3.70	0.25	=			

Table C-4a. All Post-Remedy Soil Data for Select Explosives Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	RDX		
											Result	DL	VQ
L1-E33-C006	IAAP150233						EU9B	C	33	Wall BC 10, 11, & 12	0.12	0.25	J
L1-E33-C007	IAAP150234					Wall BC 8, 9, & 10				0.12	0.25	J	
L1-E33-C008	IAAP150235					Floor BC 9, 10, 11, 12, 13, 14, 15, 30, 16, 17, 18, & 22				0.25	0.25	U	
L1-E33-C009	IAAP150236					Floor BC 7, 8, 9, 22, 18, 19, 20, & 21				0.25	0.25	U	
L1-E33-C010	IAAP150237					Wall BC 30, 16, 17, & 18				0.15	0.25	J	
L1-E32-C011-P2	IAAP150667					Wall BC 18, 19, 20, 26, 27, & 4				0.38	0.25	=	
L1-E32-C012	IAAP150659					Floor BC 1, 2, 3, 4, 29, 5, & 6				0.64	0.25	=	
L1-E32-C013	IAAP150660					Wall BC 1, 6, 5, & 29				0.20	0.25	J	
L1-E32-C015	IAAP150662					Wall BC 4 & 29				0.09	0.25	J	
L1-E32-C016	IAAP150663					Wall BC 3 & 23				1.00	0.25	=	
L1-E32-C017	IAAP150664					Wall 24, 25, & 26				0.20	0.25	J	
L1-E32-C018	IAAP150665					Wall 3, 28, & 27				0.25	0.25	=	
L1-E32-C019	IAAP150666					Floor BC 3, 23, 24, 25, 26, 27, & 28				0.25	0.25	U	
L1-E33-C020-P2	IAAP151144					Wall BC 8, 7, 24 & 23				0.25	0.25	U	
L1-E33-C023	IAAP151197					Wall BC 2 & 3				0.24	0.24	U	
L1-E33-C024	IAAP151198					Wall BC 1 & 2				0.76	0.24	=	
L1-E52-C001	IAAP139785						EU9B	D	52	East Wall BC 6, 7, & 8	0.09	0.25	J
L1-E52-C002	IAAP139786					South Wall BC 8, 9, 10, 11, 12, 13, & 14				0.14	0.25	J	
L1-E52-C003	IAAP139787					West Wall BC 14, 15, 16, 17, & 18				0.08	0.25	J	
L1-E52-C004	IAAP139788					Floor BC 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, & 22				0.66	0.25	J	
L1-E59-C001	IAAP146026						EU9B	E	59	Floor BC 1, 2, 3, 4, 5, 6, 7, 8, 9, & 10	0.11	0.25	J
L1-E59-C004	IAAP146027					Wall BC 7, 8, & 9				0.64	0.25	=	
L1-E59-C005-P2	IAAP146245					Wall BC 6 & 7				0.10	0.25	J	
L1-E59-C006	IAAP146029					Wall BC 5 & 6				0.25	0.25	U	
L1-E59-C007	IAAP146030					Wall BC 10, 1, 2, 3, 4, & 5	0.07	0.25	J				
L1-E36-C001	IAAP112472						EU9D	A	36	NE wall BC 1 and 8	0.30	0.3	U
L1-E36-C002	IAAP112473					SE wall BC 1 and 2; 3, 5, and 6				0.33	0.33	U	
L1-E36-C003	IAAP112474					SW wall BC 2 and 3; 6a and 7				0.29	0.29	U	
L1-E36-C004	IAAP112475					NW wall BC 7 and 8				0.29	0.29	U	
L1-E36-C005	IAAP112476					floor of EXC				0.29	0.29	U	
L1-E37-C001	IAAP112477						EU9D	B	37	NE wall BC 4, 5, 6, and 1	0.30	0.3	U
L1-E37-C002	IAAP112478					SE wall BC 1 and 2				0.31	0.31	U	
L1-E37-C003	IAAP112479					SW wall BC 2 and 3				0.30	0.3	U	
L1-E37-C004	IAAP112480					NW wall BC 3 and 4				0.29	0.29	U	
L1-E37-C005	IAAP112481					floor of EXC				0.31	0.31	U	

Notes:

VQ symbols indicate: “=” positive identification, positive quantitation, no reason to estimate, “U” non-detect, no reason to estimate, “J” positive identification, estimated quantitation, “UJ” analyte was not detected and had QC deficiencies.

Table C-4b. All Post-Remedy Soil Data for Select Polychlorinated Biphenyls Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Aroclor-1254			Aroclor-1260		
											Result	DL	VQ	Result	DL	VQ
IAAP103920	IAAP103920	691724.65	93410.82	06/05/07	0	1					0.040	0.04	U	3.400	0.16	=
IAAP103920	IAAP103990	691724.65	93410.82	06/05/07	1	2					0.041	0.041	U	0.084	0.041	=
IAAP105931	IAAP105931	691740.04	93415.36	10/15/07	0	0.5					0.041	0.041	U	0.041	0.041	U
IAAP111606	IAAP111606	691734.19	93407.76	09/25/08	0	0.5					0.036	0.036	U	0.170	0.036	=
IAAP111607	IAAP111607	691727.06	93429.67	09/25/08	0	0.5					0.880	0.034	=	0.360	0.034	=
IAAP96930	IAAP96930	691948.95	92884.97	10/26/06	0	0.5					0.036	0.036	U	0.240	0.036	=
IAAP96933	IAAP96933	691867.28	93412.92	11/15/06	0	0.5					0.042	0.042	U	0.042	0.042	U
IAAP96947	IAAP96947	691717.21	93427.81	11/14/06	0	0.5					0.035	0.035	U	0.031	0.035	J
IAAP96971	IAAP96971	692097.68	92776.72	11/15/06	0	0.5					0.042	0.042	U	0.042	0.042	U
IAAP96972	IAAP96972	692078.06	92722.05	11/15/06	0	0.5					0.037	0.037	U	0.037	0.037	U
IAAP96973	IAAP96973	692040.63	92633.52	11/13/06	0	0.5					0.036	0.036	U	0.036	0.036	U
IAAP96974	IAAP96974	692112.18	92358.23	11/13/06	0	0.5					0.039	0.039	U	0.039	0.039	U
IAAP96975	IAAP96975	692147.49	92576.36	11/13/06	0	0.5					0.041	0.041	U	0.041	0.041	U
IAAP96978	IAAP96978	691706.76	93404.96	11/14/06	0	0.5					0.042	0.042	U	0.034	0.042	=
IAAP96983	IAAP96983	691670.47	93334.86	11/14/06	0	0.5					0.043	0.043	U	0.061	0.043	=
IAAP96984	IAAP96984	691698.82	93223.63	11/14/06	0	0.5					0.043	0.043	U	0.110	0.043	J
IAAP96985	IAAP96985	691714.21	93222.53	11/14/06	0	0.5					0.042	0.042	U	1.800	0.42	=
IAAP96986	IAAP96986	691710.01	93190.28	11/14/06	0	0.5					0.044	0.044	U	0.130	0.044	=
IAAP98258	IAAP98258	691824	92092	12/20/06	0	0.5					0.042	0.042	U	0.042	0.042	U
100101	L1101001	691685	93330		0.0	1.0										
100101	L1101002	691685	93330		1.0	2.0										
100101	L1101003	691685	93330		2.0	4.0										
100101	L1101004	691685	93330		4.0	6.0										
100102	L1101005	691685	93369		0.0	1.0										
100102	L1101006	691685	93369		1.0	2.0										
100102	L1101007	691685	93369		2.0	4.0										
100102	L1101008	691685	93369		4.0	6.0										
100103	L1101009	691723	93308		0.0	1.0										
100103	L1101010	691723	93308		1.0	2.0										
100103	L1101011	691723	93308		2.0	4.0										
100103	L1101012	691723	93308		4.0	6.0										
100201	L1102001	691824	93116		1.0	2.0										
100201	L1102002	691824	93116		2.0	4.0										
100202	L1102003	691834	93110		1.0	2.0										
100202	L1102004	691834	93110		2.0	4.0										
100203	L1102005	691839	93129		1.0	2.0										
100203	L1102006	691839	93129		2.0	4.0										
100204	L1102007	691851	93109		1.0	2.0										
100204	L1102008	691851	93109		2.0	4.0										
100205	L1102009	691838	93090		1.0	2.0										
100205	L1102010	691838	93090		2.0	4.0										
100205	L1102011	691838	93090		2.0	4.0										
100206	L1102012	691842	93123		1.0	2.0										

Table C-4b. All Post-Remedy Soil Data for Select Polychlorinated Biphenyls Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Aroclor-1254			Aroclor-1260		
											Result	DL	VQ	Result	DL	VQ
100206	L1102013	691842	93123		2.0	4.0										
100302	L1103005	691754	93117		0.0	1.0										
100302	L1103006	691754	93117		1.0	2.0										
100302	L1103007	691754	93117		2.0	4.0										
100302	L1103008	691754	93117		4.0	6.0										
100303	L1103009	691803	93111		0.0	1.0										
100303	L1103010	691803	93111		1.0	2.0										
100303	L1103011	691803	93111		2.0	4.0										
100303	L1103012	691803	93111		4.0	6.0										
100304	L1103013	691776	93096		0.0	1.0										
100304	L1103014	691776	93096		1.0	2.0										
100304	L1103015	691776	93096		2.0	4.0										
100304	L1103016	691776	93096		2.0	4.0										
100304	L1103017	691776	93096		4.0	6.0										
100305	L1103018	692112	92187		0.0	1.0										
100305	L1103019	692112	92187		1.0	2.0										
100305	L1103020	692112	92187		2.0	4.0										
100305	L1103021	692112	92187		4.0	6.0										
100401	L1104001	691772	93135		0.0	1.0										
100401	L1104002	691772	93135		1.0	2.0										
100401	L1104003	691772	93135		2.0	4.0										
100401	L1104004	691772	93135		4.0	6.0										
100402	L1104005	691742	93216		0.0	1.0										
100402	L1104006	691742	93216		1.0	2.0										
100402	L1104007	691742	93216		2.0	4.0										
100402	L1104008	691742	93216		4.0	6.0										
100403	L1104009	691792	93152		0.0	1.0										
100403	L1104010	691792	93152		1.0	2.0										
100403	L1104011	691792	93152		2.0	4.0										
100403	L1104012	691792	93152		4.0	6.0										
100404	L1104013	691796	93140		0.0	1.0										
100404	L1104014	691796	93140		1.0	2.0										
100404	L1104015	691796	93140		2.0	4.0										
100404	L1104016	691796	93140		4.0	6.0										
100501	L1105001	691921	92838		0.0	1.0										
100501	L1105002	691921	92838		1.0	2.0										
100501	L1105003	691921	92838		2.0	4.0										
100501	L1105004	691921	92838		4.0	6.0										
100502	L1105005	691921	92844		0.0	1.0										
100502	L1105006	691921	92844		1.0	2.0										
100502	L1105007	691921	92844		1.0	2.0										

Table C-4b. All Post-Remedy Soil Data for Select Polychlorinated Biphenyls Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Aroclor-1254			Aroclor-1260		
											Result	DL	VQ	Result	DL	VQ
100502	L1105008	691921	92844		2.0	4.0										
100502	L1105009	691921	92844		4.0	6.0										
100503	L1105010	691915	92797		0.0	1.0										
100503	L1105011	691915	92797		1.0	2.0										
100503	L1105012	691915	92797		2.0	4.0										
100503	L1105013	691915	92797		4.0	6.0										
100504	L1105014	691932	92802		0.0	1.0										
100504	L1105015	691932	92802		1.0	2.0										
100504	L1105016	691932	92802		2.0	4.0										
100504	L1105017	691932	92802		4.0	6.0										
100505	L1105018	691911	92799		0.0	1.0										
100505	L1105019	691911	92799		1.0	2.0										
100505	L1105020	691911	92799		2.0	4.0										
100505	L1105021	691911	92799		4.0	6.0										
100506	L1105022	691896	92792		1.0	2.0										
100506	L1105023	691896	92792		2.0	4.0										
100506	L1105024	691896	92792		4.0	6.0										
100509	L1105035	691899	92831		0.0	1.0										
100509	L1105036	691899	92831		1.0	2.0										
100509	L1105037	691899	92831		2.0	4.0										
100509	L1105038	691899	92831		4.0	6.0										
100510	L1105055	691886	92945		0.0	1.0										
100510	L1105056	691886	92945		1.0	2.0										
100510	L1105057	691886	92945		2.0	4.0										
100510	L1105058	691886	92945		4.0	6.0										
100511	L1105059	691877	92995		1.0	2.0										
100511	L1105060	691877	92995		2.0	4.0										
100511	L1105061	691877	92995		2.0	4.0										
100511	L1105062	691877	92995		4.0	6.0										
100512	L1105063	691842	92972		1.0	2.0										
100512	L1105064	691842	92972		2.0	4.0										
100512	L1105065	691842	92972		4.0	6.0										
100513	L1105066	691845	92995		1.0	2.0										
100513	L1105067	691845	92995		2.0	4.0										
100513	L1105068	691845	92995		2.0	4.0										
100514	L1105069	691849	92986		1.0	2.0										
100514	L1105070	691849	92986		2.0	4.0										
100514	L1105071	691849	92986		4.0	5.0										
100517	L1105079	691867	93001		0.0	1.0										
100517	L1105080	691867	93001		1.0	2.0										
100517	L1105081	691867	93001		2.0	4.0										

Table C-4b. All Post-Remedy Soil Data for Select Polychlorinated Biphenyls Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Aroclor-1254			Aroclor-1260		
											Result	DL	VQ	Result	DL	VQ
100517	L1105082	691867	93001		4.0	6.0										
100519	L1105088	691864	92940		0.0	1.0										
100519	L1105089	691864	92940		1.0	2.0										
100519	L1105090	691864	92940		2.0	4.0										
100519	L1105091	691864	92940		4.0	6.0										
100521	L1105096	691911	92849		0.0	1.0										
100521	L1105097	691911	92849		1.0	2.0										
100521	L1105098	691911	92849		2.0	4.0										
100521	L1105099	691911	92849		4.0	6.0										
100601	L1106001	691750	92646		0.0	1.0										
100601	L1106002	691750	92646		1.0	2.0										
100601	L1106003	691750	92646		2.0	4.0										
100601	L1106004	691750	92646		2.0	4.0										
100601	L1106005	691750	92646		4.0	6.0										
100602	L1106006	691739	92639		0.0	1.0										
100602	L1106007	691739	92639		1.0	2.0										
100602	L1106008	691739	92639		2.0	4.0										
100602	L1106009	691739	92639		4.0	6.0										
100603	L1106010	691621	93000		0.0	1.0										
100603	L1106011	691621	93000		1.0	2.0										
100603	L1106012	691621	93000		2.0	4.0										
100603	L1106013	691621	93000		4.0	6.0										
100604	L1106014	691632	93007		0.0	1.0										
100604	L1106015	691632	93007		1.0	2.0										
100604	L1106016	691632	93007		2.0	4.0										
100604	L1106017	691632	93007		4.0	6.0										
100701	L1107001	692002	92830		0.0	1.0										
100701	L1107002	692002	92830		1.0	2.0										
100701	L1107003	692002	92830		2.0	4.0										
100702	L1107005	692023	92845		0.0	1.0										
100702	L1107006	692023	92845		1.0	2.0										
100702	L1107007	692023	92845		2.0	4.0										
100702	L1107008	692023	92845		4.0	6.0										
100703	L1107009	692034	92800		0.0	1.0										
100703	L1107010	692034	92800		1.0	2.0										
100703	L1107011	692034	92800		2.0	4.0										
100703	L1107012	692034	92800		4.0	6.0										
100801	L1108001	691700	92779		0.0	1.0										
100801	L1108002	691700	92779		1.0	2.0										
100801	L1108003	691700	92779		2.0	4.0										
100801	L1108004	691700	92779		2.0	4.0										

Table C-4b. All Post-Remedy Soil Data for Select Polychlorinated Biphenyls Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Aroclor-1254			Aroclor-1260		
											Result	DL	VQ	Result	DL	VQ
100801	L1108005	691700	92779		4.0	6.0										
100802	L1108006	691723	92706		0.0	1.0										
100802	L1108006A	691723	92706		0.0	1.0										
100802	L1108007	691723	92706		1.0	2.0										
100802	L1108007A	691723	92706		1.0	2.0										
100802	L1108008	691723	92706		2.0	4.0										
100802	L1108008A	691723	92706		2.0	4.0										
100802	L1108009	691723	92706		4.0	6.0										
100802	L1108009A	691723	92706		4.0	6.0										
100803	L1108010	691715	92725		0.0	1.0										
100803	L1108011	691715	92725		1.0	2.0										
100803	L1108012	691715	92725		2.0	4.0										
100803	L1108013	691715	92725		4.0	6.0										
100805	L1108018	691709	92730		0.0	1.0										
100805	L1108019	691709	92730		1.0	2.0										
100805	L1108020	691709	92730		2.0	4.0										
100805	L1108021	691709	92730		4.0	6.0										
101001	L1110001	691959	92688		0.0	1.0										
101001	L1110002	691959	92688		1.0	2.0										
101001	L1110003	691959	92688		2.0	4.0										
101001	L1110004	691959	92688		4.0	6.0										
101004	L1110016	691978	92653		0.0	1.0										
101004	L1110017	691978	92653		1.0	2.0										
101004	L1110018	691978	92653		2.0	4.0										
101004	L1110019	691978	92653		4.0	6.0										
101005	L1110037	691993	92609		0.0	1.0										
101005	L1110038	691993	92609		1.0	2.0										
101005	L1110039	691993	92609		2.0	4.0										
101005	L1110040	691993	92609		4.0	6.0										
101006	L1110025	691952	92623		0.0	1.0										
101006	L1110026	691952	92623		1.0	2.0										
101006	L1110027	691952	92623		2.0	4.0										
101006	L1110028	691952	92623		4.0	5.0										
101007	L1110029	691971	92576		0.0	1.0										
101007	L1110030	691971	92576		1.0	2.0										
101008	L1110033	691999	92585		0.0	1.0										
101008	L1110034	691999	92585		1.0	2.0										
101008	L1110035	691999	92585		2.0	4.0										
101008	L1110036	691999	92585		4.0	6.0										
101009	L1110021	691999	92618		0.0	1.0										
101009	L1110022	691999	92618		1.0	2.0										

Table C-4b. All Post-Remedy Soil Data for Select Polychlorinated Biphenyls Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Aroclor-1254			Aroclor-1260		
											Result	DL	VQ	Result	DL	VQ
101009	L1110023	691999	92618		2.0	4.0										
101009	L1110024	691999	92618		4.0	6.0										
101101	L1111001	691809	93287		0.0	1.0										
101101	L1111002	691809	93287		1.0	2.0										
101101	L1111003	691809	93287		2.0	4.0										
101101	L1111004	691809	93287		4.0	6.0										
101102	L1111005	691832	93269		0.0	1.0					0.039	0.039	U	0.060	0.039	
101102	L1111006	691832	93269		2.0	4.0					0.044	0.044	U	0.044	0.044	U
101103	L1111007	691812	93314		0.0	1.0										
101103	L1111008	691812	93314		1.0	2.0										
101103	L1111009	691812	93314		2.0	4.0										
101103	L1111010	691812	93314		4.0	6.0										
101104	L1111011	691845	93331		0.0	1.0										
101104	L1111012	691845	93331		1.0	2.0										
101104	L1111013	691845	93331		2.0	4.0										
101104	L1111014	691845	93331		4.0	6.0										
101105	L1111015	691894	93311		0.0	1.0										
101105	L1111016	691894	93311		1.0	2.0										
101105	L1111017	691894	93311		2.0	4.0										
101105	L1111018	691894	93311		4.0	6.0										
101106	L1111019	691911	93281		0.0	1.0										
101106	L1111020	691911	93281		1.0	2.0										
101106	L1111022	691911	93281		2.0	4.0										
101106	L1111023	691911	93281		4.0	6.0										
101107	L1111024	691838	93244		0.0	1.0										
101107	L1111025	691838	93244		1.0	2.0										
101107	L1111026	691838	93244		2.0	4.0										
101107	L1111027	691838	93244		4.0	6.0										
101201	L1112001	692036	92381		1.0	2.0										
101201	L1112001A	692036	92381		0.0	1.0										
101201	L1112002	692036	92381		1.0	2.0										
101201	L1112003	692036	92381		2.0	4.0										
101201	L1112004	692036	92381		4.0	6.0										
101204	L1112011A	692080	92344		0.0	1.0										
101204	L1112012	692080	92344		2.0	4.0										
101204	L1112013	692080	92344		4.0	6.0										
101205	L1112014	692105	92261		1.0	2.0										
101205	L1112014A	692105	92261		0.0	1.0										
101205	L1112015	692105	92261		2.0	4.0										
101205	L1112016	692105	92261		4.0	6.0										
101206	L1112017	692086	92238		1.0	2.0										

Table C-4b. All Post-Remedy Soil Data for Select Polychlorinated Biphenyls Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Aroclor-1254			Aroclor-1260		
											Result	DL	VQ	Result	DL	VQ
101206	L1112017A	692086	92238		0.0	1.0										
101206	L1112018	692086	92238		2.0	4.0										
101206	L1112019	692086	92238		4.0	6.0										
101207	L1112020	692050	92340		1.0	2.0										
101207	L1112020A	692050	92340		0.0	1.0										
101207	L1112021	692050	92340		2.0	4.0										
101207	L1112022	692050	92340		4.0	6.0										
101208	L1112023	692041	92462		0.0	1.0										
101208	L1112024	692041	92462		1.0	2.0										
101208	L1112025	692041	92462		1.0	2.0										
101208	L1112026	692041	92462		2.0	4.0										
101208	L1112027	692041	92462		4.0	6.0										
101209	L1112028	692063	92389		0.0	1.0										
101209	L1112029	692063	92389		1.0	2.0										
101209	L1112030	692063	92389		2.0	4.0										
101209	L1112031	692063	92389		4.0	6.0										
101210	L1112033	692085	92323		1.0	2.0										
101210	L1112034	692085	92323		2.0	4.0										
101210	L1112036	692085	92323		4.0	6.0										
101210	L111232	692085	92323		0.0	1.0										
101211	L1112037	692098	92292		0.0	1.0										
101211	L1112038	692098	92292		1.0	2.0										
101211	L1112039	692098	92292		2.0	4.0										
101211	L1112040	692098	92292		4.0	6.0										
101212	L1112041	692076	92256		0.0	1.0										
101212	L1112042	692076	92256		1.0	2.0										
101212	L1112043	692076	92256		2.0	4.0										
101212	L1112044	692076	92256		4.0	6.0										
101213	L1112045	692055	92294		0.0	1.0										
101213	L1112046	692055	92294		1.0	2.0										
101213	L1112047	692055	92294		2.0	4.0										
101213	L1112048	692055	92294		2.0	4.0										
101213	L1112049	692055	92294		4.0	6.0										
101301	L1113001	691873	92319		0.0	1.0										
101301	L1113002	691873	92319		1.0	2.0										
101301	L1113003	691873	92319		2.0	4.0										
101301	L1113004	691873	92319		4.0	6.0										
101302	L1113006	691868	92338		0.0	1.0										
101302	L1113007	691868	92338		1.0	2.0										
101302	L1113008	691868	92338		2.0	4.0										
101302	L1113009	691868	92338		4.0	6.0										

Table C-4b. All Post-Remedy Soil Data for Select Polychlorinated Biphenyls Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Aroclor-1254			Aroclor-1260		
											Result	DL	VQ	Result	DL	VQ
101303	L1113010	691845	92407		0.0	1.0										
101303	L1113011	691845	92407		1.0	2.0										
101303	L1113012	691845	92407		2.0	4.0										
101303	L1113013	691845	92407		4.0	6.0										
101304	L1113014	691870	92409		2.0	4.0										
101304	L1113015	691870	92409		1.0	2.0										
101304	L1113016	691870	92409		2.0	4.0										
101304	L1113017	691870	92409		4.0	6.0										
101305	L1113018	691882	92387		0.0	1.0										
101305	L1113019	691882	92387		1.0	2.0										
101305	L1113020	691882	92387		2.0	4.0										
101305	L1113021	691882	92387		4.0	6.0										
101306	L1113024	691889	94486		1.0	2.0										
101307	L1113023	691900	92319		1.0	2.0										
101307	L1113027	691900	92319		0.0	1.0										
101307	L1113028	691900	92319		1.0	2.0										
101308	L11130035	691875	92309		4.0	6.0										
101308	L1113031	691875	92309		0.0	1.0										
101308	L1113032	691875	92309		1.0	2.0										
101308	L1113033	691875	92309		2.0	4.0										
101308	L1113034	691875	92309		2.0	4.0										
101309	L1113036	691881	92297		0.0	1.0										
101309	L1113037	691881	92297		1.0	2.0										
101309	L1113038	691881	92297		2.0	4.0										
101309	L1113039	691881	92297		4.0	6.0										
101401	L1114001	691797	92489		0.0	1.0										
101401	L1114002	691797	92489		1.0	2.0										
101401	L1114003	691797	92489		2.0	4.0										
101401	L1114004	691797	92489		4.0	6.0										
101402	L1114005	691814	92487		0.0	1.0										
101402	L1114006	691814	92487		1.0	2.0										
101402	L1114007	691814	92487		2.0	4.0										
101402	L1114008	691814	92487		4.0	6.0										
101501	L1115001	691936	92124		0.0	1.0										
101501	L1115002	691936	92124		1.0	2.0										
101501	L1115003	691936	92124		2.0	4.0										
101501	L1115004	691936	92124		4.0	6.0										
101502	L1115005	691916	92117		0.0	1.0										
101502	L1115006	691916	92117		1.0	2.0										
101502	L1115007	691916	92117		2.0	4.0										
101502	L1115008	691916	92117		4.0	6.0										

Table C-4b. All Post-Remedy Soil Data for Select Polychlorinated Biphenyls Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Aroclor-1254			Aroclor-1260			
											Result	DL	VQ	Result	DL	VQ	
101503	L1115009	691925	92088		0.0	1.0											
101503	L1115010	691925	92088		1.0	2.0											
101503	L1115011	691925	92088		2.0	4.0											
101503	L1115012	691925	92088		4.0	6.0											
101504	L1115014	691931	92075		0.0	1.0											
101504	L1115015	691931	92075		1.0	2.0											
101504	L1115016	691931	92075		2.0	4.0											
101504	L1115017	691931	92075		4.0	6.0											
101505	L1115018	691943	92106		0.0	1.0											
101505	L1115019	691943	92106		1.0	2.0											
101505	L1115020	691943	92106		2.0	4.0											
101505	L1115021	691943	92106		4.0	6.0											
101506	L1115022	691950	92080		0.0	1.0											
101506	L1115023	691950	92080		1.0	2.0											
101506	L1115024	691950	92080		2.0	4.0											
101506	L1115025	691950	92080		4.0	6.0											
101601	L1116001	692018	92532		1.0	2.0						0.043	0.043	U	0.043	0.043	U
101602	L1116002	692025	92510		1.0	2.0											
101604	L1116005	692012	92535		1.0	2.0											
101605	L1116006	692003	92526		1.0	2.0											
101605	L1116007	692003	92526		1.0	2.0											
101901	L1119001	691756	92245		0.0	1.0											
101901	L1119002	691756	92245		1.0	2.0											
101901	L1119003	691756	92245		2.0	4.0											
101901	L1119004	691756	92245		4.0	6.0											
101902	L1119005	691701	92291		0.0	1.0											
101902	L1119006	691701	92291		1.0	2.0											
101902	L1119007	691701	92291		2.0	4.0											
101902	L1119008	691701	92291		4.0	6.0											
101903	L1119011	691682	92349		0.0	1.0											
101903	L1119012	691682	92349		1.0	2.0											
101903	L1119013	691682	92349		2.0	4.0											
101903	L1119014	691682	92349		4.0	6.0											
101904	L1119015	691752	92256		0.0	1.0											
101904	L1119016	691752	92256		1.0	2.0											
101904	L1119017	691752	92256		2.0	4.0											
101904	L1119018	691752	92256		4.0	6.0											
101905	L1119019	691756	92280		0.0	1.0											
101905	L1119020	691756	92280		1.0	2.0											
101905	L1119021	691756	92280		2.0	4.0											
101905	L1119022	691756	92280		4.0	6.0											

Table C-4b. All Post-Remedy Soil Data for Select Polychlorinated Biphenyls Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Aroclor-1254			Aroclor-1260		
											Result	DL	VQ	Result	DL	VQ
103601	L1136001	691816	93159		0.0	1.0										
103601	L1136002	691816	93159		1.0	2.0										
103601	L1136003	691816	93159		2.0	4.0										
103602	L1136004	691819	93152		0.0	1.0										
103602	L1136005	691819	93152		1.0	2.0										
103602	L1136006	691819	93152		2.0	4.0										
103603	L1136007	691811	93151		0.0	1.0										
103603	L1136008	691811	93151		1.0	2.0										
103603	L1136009	691811	93151		2.0	4.0										
104001	L1140001	691989	92970		0.0	1.0										
104001	L1140002	691989	92970		1.0	2.0										
104001	L1140003	691989	92970		2.0	4.0										
104001	L1140004	691989	92970		4.0	6.0										
104002	L1140005	691966	92968		0.0	1.0										
104002	L1140007	691966	92968		1.0	2.0										
104002	L1140008	691966	92968		2.0	4.0										
104002	L1140009	691966	92968		4.0	6.0										
104003	L1140010	692020	92953		0.0	1.0										
104003	L1140011	692020	92953		0.0	1.0										
104003	L1140013	692020	92953		2.0	4.0										
104003	L1140014	692020	92953		4.0	6.0										
104004	L1140015	691950	92925		0.0	1.0										
104004	L1140016	691950	92925		1.0	2.0										
104004	L1140017	691950	92925		2.0	4.0										
104004	L1140018	691950	92925		4.0	6.0										
104005	L1140006	692034	92912		2.0	4.0										
104005	L1140020	692034	92912		0.0	1.0										
104005	L1140021	692034	92912		1.0	2.0										
104005	L1140022	692034	92912		2.0	4.0										
104005	L1140023	692034	92912		4.0	6.0										
104006	L1140024	692023	92873		0.0	1.0										
104006	L1140025	692023	92873		1.0	2.0										
104006	L1140026	692023	92873		2.0	4.0										
104006	L1140027	692023	92873		4.0	6.0										
104007	L1140028	691983	92874		0.0	1.0										
104007	L1140029	691983	92874		1.0	2.0										
104007	L1140030	691983	92874		2.0	4.0										
105001	L1150001	691709	92844		1.0	2.0										
105001	L1150002	691709	92844		2.0	4.0										
105001	L1150003	691709	92844		4.0	6.0										
105003	L1150007	691689	92828		0.0	1.0										

Table C-4b. All Post-Remedy Soil Data for Select Polychlorinated Biphenyls Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Aroclor-1254			Aroclor-1260		
											Result	DL	VQ	Result	DL	VQ
105003	L1150008	691689	92828		1.0	2.0										
105003	L1150009	691689	92828		2.0	4.0										
105003	L1150010	691689	92828		4.0	6.0										
105004	L1150011	691716	92826		0.0	1.0										
105004	L1150012	691716	92826		1.0	2.0										
105004	L1150013	691716	92826		2.0	4.0										
105004	L1150014	691716	92826		4.0	6.0										
105301	L1153001	692136	92161		1.0	2.0										
105301	L1153001A	692136	92161		0.0	1.0										
105301	L1153003	692136	92161		2.0	4.0										
105301	L1153004	692136	92161		4.0	6.0										
105302	L1153002	692145	92145		0.0	1.0										
105302	L1153005	692145	92145		1.0	2.0										
105302	L1153005A	692145	92145		0.0	1.0										
105302	L1153006	692145	92145		2.0	4.0										
105302	L1153007	692145	92145		4.0	6.0										
105303	L1153008	692108	92140		1.0	2.0										
105303	L1153008A	692108	92140		0.0	1.0										
105303	L1153009	692108	92140		2.0	4.0										
105303	L1153010	692108	92140		4.0	6.0										
106002	L1160006	691662	92877		0.0	1.0										
106002	L1160007	691662	92877		1.0	2.0										
106002	L1160008	691662	92877		2.0	4.0										
106002	L1160009	691662	92877		4.0	6.0										
106003	L1160010	691680	92888		0.0	1.0										
106003	L1160011	691680	92888		1.0	2.0										
106003	L1160012	691680	92888		2.0	4.0										
106003	L1160013	691680	92888		4.0	6.0										
106003	L1160014	691680	92888		4.0	6.0										
106004	L1160015	691680	92900		0.0	1.0										
106004	L1160016	691680	92900		1.0	2.0										
106004	L1160017	691680	92900		2.0	4.0										
106004	L1160019	691680	92900		4.0	6.0										
106101	L1161001	691947	93086		0.0	1.0										
106101	L1161002	691947	93086		1.0	2.0										
106101	L1161003	691947	93086		2.0	4.0										
106101	L1161004	691947	93086		4.0	6.0										
106102	L1161005	691909	93057		0.0	1.0										
106102	L1161006	691909	93057		1.0	2.0										
106102	L1161007	691909	93057		1.0	2.0										
106102	L1161008	691909	93057		2.0	4.0										

Table C-4b. All Post-Remedy Soil Data for Select Polychlorinated Biphenyls Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Aroclor-1254			Aroclor-1260		
											Result	DL	VQ	Result	DL	VQ
106102	L1161009	691909	93057		4.0	6.0										
106104	L1161014	691956	93011		0.0	1.0										
106104	L1161015	691956	93011		1.0	2.0										
106104	L1161016	691956	93011		2.0	4.0										
106104	L1161017	691956	93011		4.0	6.0										
106301	L1163009	692099	92970		0.0	1.0										
106301	L1163010	692099	92970		1.0	2.0										
106301	L1163011	692099	92970		2.0	4.0										
106301	L1163012	692099	92970		4.0	6.0										
106302	L1163013	692094	92997		0.0	1.0										
106302	L1163015	692094	92997		2.0	4.0										
106302	L1163016	692094	92997		4.0	6.0										
106303	L1163017	692099	93024		0.0	1.0										
106303	L1163018	692099	93024		1.0	2.0										
106303	L1163019	692099	93024		2.0	4.0										
106303	L1163020	692099	93024		4.0	6.0										
106304	L1163021	692101	93040		0.0	1.0										
106304	L1163022	692101	93040		1.0	2.0										
106304	L1163023	692101	93040		2.0	4.0										
106304	L1163024	692101	93040		4.0	6.0										
106305	L1163025	692073	93131		0.0	1.0										
106305	L1163026	692073	93131		1.0	2.0										
106305	L1163027	692073	93131		1.0	2.0										
106305	L1163028	692073	93131		2.0	4.0										
106305	L1163029	692073	93131		4.0	6.0										
106306	L1163030	692055	93147		0.0	1.0										
106306	L1163031	692055	93147		1.0	2.0										
106306	L1163032	692055	93147		2.0	4.0										
106306	L1163033	692055	93147		4.0	6.0										
106307	L1163034	692088	93113		0.0	1.0										
106307	L1163035	692088	93113		1.0	2.0										
106307	L1163036	692088	93113		2.0	4.0										
106307	L1163037	692088	93113		4.0	6.0										
106308	L1163038	692094	93102		0.0	1.0										
106308	L1163039	692094	93102		1.0	2.0										
106308	L1163040	692094	93102		2.0	4.0										
106308	L1163041	692094	93102		4.0	6.0										
106401	L1164001	692022	93174		0.0	1.0										
106401	L1164002	692022	93174		1.0	2.0										
106401	L1164003	692022	93174		2.0	4.0										
106401	L1164004	692022	93174		4.0	6.0										

Table C-4b. All Post-Remedy Soil Data for Select Polychlorinated Biphenyls Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Aroclor-1254			Aroclor-1260		
											Result	DL	VQ	Result	DL	VQ
106401	L1164018	692022	93174		0.0	1.0										
106402	L1164005	692011	93185		0.0	1.0										
106402	L1164006	692011	93185		4.0	6.0										
106402	L1164007	692011	93185		2.0	4.0										
106402	L1164008	692011	93185		4.0	6.0										
106403	L1164009	692000	93195		0.0	1.0										
106403	L1164010	692000	93195		1.0	2.0										
106403	L1164011	692000	93195		2.0	4.0										
106403	L1164012	692000	93195		4.0	6.0										
106403	L1164013	692000	93195		4.0	6.0										
106404	L1164014	691970	93215		2.0	4.0										
106404	L1164015	691970	93215		1.0	2.0										
106404	L1164016	691970	93215		2.0	4.0										
106404	L1164017	691970	93215		4.0	6.0										
106501	L1165001	692089	92859		0.0	1.0										
106501	L1165002	692089	92859		1.0	2.0										
106501	L1165003	692089	92859		2.0	4.0										
106501	L1165004	692089	92859		4.0	6.0										
106501	L1165005	692089	92859		4.0	6.0										
106502	L1165006	692086	92848		0.0	1.0										
106502	L1165007	692086	92848		1.0	2.0										
106502	L1165008	692086	92848		2.0	4.0										
106502	L1165009	692086	92848		4.0	6.0										
106503	L1165010	692175	92980		0.0	1.0										
106503	L1165011	692175	92980		1.0	2.0										
106503	L1165012	692175	92980		2.0	4.0										
106503	L1165013	692175	92980		4.0	6.0										
106503	L1165030	692175	92980		1.0	2.0										
106504	L1165014	692161	92912		0.0	1.0										
106504	L1165015	692161	92912		1.0	2.0										
106504	L1165016	692161	92912		2.0	4.0										
106504	L1165017	692161	92912		4.0	6.0										
106505	L1165018	692194	92823		0.0	1.0										
106505	L1165019	692194	92823		1.0	2.0										
106505	L1165020	692194	92823		2.0	4.0										
106505	L1165021	692194	92823		4.0	6.0										
106506	L1165022	692273	92884		0.0	1.0										
106506	L1165023	692273	92884		1.0	2.0										
106506	L1165024	692273	92884		2.0	4.0										
106506	L1165025	692273	92884		4.0	6.0										
106507	L1165026	692267	92904		0.0	1.0										

Table C-4b. All Post-Remedy Soil Data for Select Polychlorinated Biphenyls Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Aroclor-1254			Aroclor-1260		
											Result	DL	VQ	Result	DL	VQ
106507	L1165027	692267	92904		1.0	2.0										
106507	L1165028	692267	92904		2.0	4.0										
106507	L1165029	692267	92904		4.0	6.0										
106507	L1165031	692267	92904		0.0	1.0										
106601	L1166001	691723	92395		0.0	1.0										
106601	L1166002	691723	92395		1.0	2.0										
106601	L1166003	691723	92395		2.0	4.0										
106601	L1166004	691723	92395		4.0	6.0										
106602	L1166007	691680	92381		0.0	1.0										
106602	L1166008	691680	92381		1.0	2.0										
106602	L1166009	691680	92381		2.0	4.0										
106602	L1166010	691680	92381		4.0	6.0										
106701	L1167001	691949	93193		0.0	1.0										
106701	L1167002	691949	93193		1.0	2.0										
106701	L1167003	691949	93193		2.0	4.0										
106701	L1167004	691949	93193		4.0	6.0										
106702	L1167005	691953	93162		0.0	1.0										
106702	L1167006	691953	93162		1.0	2.0										
106702	L1167007	691953	93162		1.0	2.0										
106702	L1167008	691953	93162		4.0	6.0										
106703	L1167009	691973	93141		0.0	1.0										
106703	L1167010	691973	93141		1.0	2.0										
106703	L1167011	691973	93141		2.0	4.0										
106703	L1167012	691973	93141		4.0	6.0										
107001	L1170001	691981	92458		0.0	1.0										
107001	L1170002	691981	92458		1.0	2.0										
107001	L1170003	691981	92458		2.0	4.0										
107001	L1170004	691981	92458		4.0	6.0										
107002	L1170005	691961	92498		0.0	1.0										
107002	L1170006	691961	92498		1.0	2.0										
107002	L1170007	691961	92498		2.0	4.0										
107002	L1170008	691961	92498		4.0	6.0										
107004	L1170014	691976	92478		0.0	1.0										
107004	L1170015	691976	92478		1.0	2.0										
107004	L1170016	691976	92478		2.0	4.0										
107004	L1170017	691976	92478		4.0	6.0										
107101	L1171001	691874	92664		0.0	1.0										
107101	L1171002	691874	92664		1.0	2.0										
107101	L1171003	691874	92664		2.0	4.0										
107101	L1171004	691874	92664		4.0	6.0										
107201	L1172001	691875	92586		0.0	1.0										

Table C-4b. All Post-Remedy Soil Data for Select Polychlorinated Biphenyls Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Aroclor-1254			Aroclor-1260		
											Result	DL	VQ	Result	DL	VQ
107201	L1172002	691875	92586		1.0	2.0										
107201	L1172003	691875	92586		2.0	4.0										
107201	L1172004	691875	92586		4.0	6.0										
107201	L1172005	691875	92586		4.0	6.0										
107303	L1173009	691882	92517		0.0	1.0										
107303	L1173010	691882	92517		1.0	2.0										
107303	L1173011	691882	92517		2.0	4.0										
107303	L1173012	691882	92517		4.0	6.0										
107304	L1173013	691895	92491		0.0	1.0										
107304	L1173014	691895	92491		1.0	2.0										
107304	L1173015	691895	92491		2.0	4.0										
107304	L1173016	691895	92491		4.0	6.0										
107305	L1173017	691925	92475		0.0	1.0										
107305	L1173018	691925	92475		1.0	2.0										
107305	L1173019	691925	92475		2.0	4.0										
107305	L1173020	691925	92475		4.0	6.0										
107401	L1174001	691962	92425		0.0	1.0										
107401	L1174002	691962	92425		1.0	2.0										
107401	L1174003	691962	92425		2.0	4.0										
107401	L1174004	691962	92425		4.0	6.0										
107501	L1175001	691970	92319		0.0	1.0										
107501	L1175002	691970	92319		1.0	2.0										
107501	L1175003	691970	92319		2.0	4.0										
107501	L1175004	691970	92319		4.0	6.0										
107601	L1176001	691995	92243		0.0	1.0										
107601	L1176002	691995	92243		1.0	2.0										
107601	L1176003	691995	92243		1.0	2.0										
107601	L1176004	691995	92243		2.0	4.0										
107601	L1176005	691995	92243		4.0	6.0										
107701	L1177001	691839	93355		0.0	1.0										
107701	L1177002	691839	93355		1.0	2.0										
107701	L1177003	691839	93355		2.0	4.0										
107701	L1177004	691839	93355		4.0	6.0										
108501	L1185001	692145	93053		0.0	1.0										
108501	L1185002	692145	93053		1.0	2.0										
108501	L1185003	692145	93053		2.0	4.0										
108501	L1185004	692145	93053		4.0	6.0										
108502	L1185005	692193	93114		0.0	1.0										
108502	L1185006	692193	93114		1.0	2.0										
108502	L1185007	692193	93114		1.0	2.0										
108502	L1185009	692193	93114		4.0	6.0										

Table C-4b. All Post-Remedy Soil Data for Select Polychlorinated Biphenyls Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Aroclor-1254			Aroclor-1260		
											Result	DL	VQ	Result	DL	VQ
110001	L11100001	691889	92747		0.0	1.0										
110001	L11100002	691889	92747		1.0	2.0										
110001	L11100003	691889	92747		2.0	4.0										
110001	L11100004	691889	92747		2.0	4.0										
110003	L11100009	691958	92733		4.0	6.0										
110003	L11100010	691958	92733		0.0	1.0										
110003	L11100011	691958	92733		1.0	2.0										
110003	L11100012	691958	92733		1.0	2.0										
110003	L11100013	691958	92733		2.0	4.0										
110003	L11100014	691958	92733		4.0	6.0										
110021	L111002001	691703	92269		0.0	1.0										
110021	L111002002	691703	92269		0.0	1.0										
110021	L111002003	691703	92269		1.0	2.0										
110021	L111002004	691703	92269		2.0	4.0										
110021	L111002005	691703	92269		4.0	6.0										
110021	L111002006	691703	92269		4.0	6.0										
112421	L11124001	691974	93402		1.0	2.0										
112421	L11124002	691974	93402		2.0	4.0										
112421	L11124003	691974	93402		4.0	6.0										
112422	L11124004	691977	93392		1.0	2.0										
112422	L11124005	691977	93392		2.0	4.0										
112422	L11124006	691977	93392		4.0	6.0										
112423	L11124007	691956	93454		1.0	2.0										
112423	L11124008	691956	93454		2.0	4.0										
112423	L11124009	691956	93454		4.0	6.0										
112901	L11129001	691933	93378		1.0	2.0										
112901	L11129002	691933	93378		2.0	4.0										
112901	L11129003	691933	93378		4.0	6.0										
112902	L11129004	691961	93373		1.0	2.0										
112902	L11129005	691961	93373		2.0	4.0										
112902	L11129006	691961	93373		2.0	4.0										
112903	L11129007	691939	93367		1.0	2.0										
112903	L11129008	691939	93367		2.0	4.0										
112903	L11129009	691939	93367		4.0	6.0										
115201	L11152001	691670	93440		1.0	2.0										
115201	L11152002	691670	93440		2.0	4.0										
115202	L11152003	691677	93430		1.0	2.0										
115202	L11152004	691677	93430		2.0	4.0										
115203	L11152005	691655	93409		1.0	2.0										
115203	L11152006	691655	93409		2.0	4.0										
115204	L11152007	691646	93444		1.0	2.0										

Table C-4b. All Post-Remedy Soil Data for Select Polychlorinated Biphenyls Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Aroclor-1254			Aroclor-1260		
											Result	DL	VQ	Result	DL	VQ
115204	L11152008	691646	93444		2.0	4.0										
115205	L11152009	691681	93484		1.0	2.0										
115205	L11152009DL	691681	93484		1.0	2.0										
115205	L11152011	691681	93484		2.0	4.0										
115206	L11152012	691648	93431		1.0	2.0										
115206	L11152013	691648	93431		2.0	4.0										
115207	L11152014	691651	93420		1.0	2.0										
115207	L11152015	691651	93420		2.0	4.0										
115501	L11155001	691829	92890		0.0	1.0										
115501	L11155002	691829	92890		1.0	2.0										
115501	L11155003	691829	92890		2.0	4.0										
115501	L11155004	691829	92890		4.0	6.0										
115501	L11155005	691829	92890		4.0	6.0										
115502	L11155006	691921	92626		0.0	1.0										
115502	L11155007	691921	92626		1.0	2.0										
115502	L11155008	691921	92626		2.0	4.0										
115502	L11155009	691921	92626		4.0	6.0										
115503	L11155010	692016	92333		0.0	1.0										
115503	L11155011	692016	92333		1.0	2.0										
115503	L11155012	692016	92333		2.0	4.0										
116901	L11169001	691798	92297		0.0	1.0					0.042	0.042	U	0.042	0.042	U
116901	L11169002	691798	92297		1.0	2.0					0.042	0.042	U	0.042	0.042	U
116902	L1169003	691703	93210		0.0	1.0					0.042	0.042	U	0.200	0.042	
116902	L1169004	691703	93210		1.0	2.0					0.042	0.042	U	0.042	0.042	U
116903	L11169005	691920	92946		0.0	1.0					0.041	0.041	U	0.019	0.041	
116903	L11169006	691920	92946		1.0	2.0					0.044	0.044	U	0.044	0.044	U
116904	L11169007	691946	92866		0.0	1.0					0.042	0.042	U	0.042	0.042	U
116904	L11169008	691946	92866		1.0	2.0					0.041	0.041	U	0.041	0.041	U
116905	L11169009	692120	92125		0.0	1.0					0.040	0.04	U	0.040	0.04	U
116905	L11169010	692120	92125		1.0	2.0					0.042	0.042	U	0.042	0.042	U
116906	L11169011	692028	92646		1.0	2.0					0.042	0.042	U	0.042	0.042	U
116907	L11169013	692114	92355		0.0	1.0					0.043	0.043	U	0.043	0.043	U
116907	L11169014	692114	92355		1.0	2.0					0.042	0.042	U	0.042	0.042	U
116908	L11169016	692066	92273		0.0	1.0					0.037	0.037	U	0.019	0.037	
116908	L11169017	692066	92273		1.0	2.0					0.040	0.04	U	0.040	0.04	U
116909	L11169018	691757	92233		0.0	1.0					0.042	0.042	U	0.042	0.042	U
116909	L11169019	691757	92233		1.0	2.0					0.042	0.042	U	0.042	0.042	U
116910	L11169020	691979	93373		0.0	1.0					0.044	0.042		0.042	0.042	U
116910	L11169021	691979	93373		1.0	2.0					0.043	0.043	U	0.043	0.043	U
116911	L11169022	691769	93328		0.0	1.0					0.043	0.043	U	0.049	0.043	
116911	L11169023	691769	93328		1.0	2.0					0.044	0.044	U	0.044	0.044	U

Table C-4b. All Post-Remedy Soil Data for Select Polychlorinated Biphenyls Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Aroclor-1254			Aroclor-1260		
											Result	DL	VQ	Result	DL	VQ
116912	L11169024	691863	93415		0.0	1.0					0.043	0.043	U	0.043	0.043	U
116912	L11169025	691863	93415		1.0	2.0					0.043	0.043	U	0.043	0.043	U
116913	L11169026	691701	92898		0.0	1.0					0.040	0.04	U	0.019	0.04	
116913	L11169027	691701	92898		1.0	2.0					0.044	0.044	U	0.044	0.044	U
116914	L11169028	691725	93411		0.0	1.0					0.041	0.041	U	0.041	0.041	U
116914	L11169028DL	691725	93411		0.0	1.0					1.200	1.2	U	5.300	1.2	
116914	L11169029	691725	93411		1.0	2.0					0.042	0.042	U	0.042	0.042	U
116914	L11169029DL	691725	93411		1.0	2.0					0.830	0.83	U	3.200	0.83	
116915	L11169030	691883	93355		0.0	1.0					0.039	0.039	U	0.039	0.039	U
116915	L11169031	691883	93355		0.0	1.0					0.044	0.044	U	0.044	0.044	U
116916	L11169032	692204	93063		0.0	1.0					0.044	0.044	U	0.044	0.044	U
116916	L11169033	692204	93063		0.0	1.0					0.045	0.045	U	0.045	0.045	U
116916	L11169034	692204	93063		1.0	2.0					0.044	0.044	U	0.044	0.044	U
116917	L11169035	691698	92263		0.0	1.0					0.040	0.04	U	0.040	0.04	U
116917	L11169036	691698	92263		1.0	2.0					0.042	0.042	U	0.042	0.042	U
116918	L11169037	691949	93168		0.0	1.0					0.039	0.039	U	0.069	0.039	
116918	L11169038	691949	93168		1.0	2.0					0.043	0.043	U	0.013	0.043	
116919	L11169039	692104	92656		0.0	1.0					0.040	0.04	U	0.033	0.04	
116919	L11169040	692104	92656		1.0	2.0					0.042	0.042	U	0.042	0.042	U
116920	L11169041	691813	92098		0.0	1.0					0.041	0.041	U	0.041	0.041	U
116920	L11169042	691813	92098		1.0	2.0					0.042	0.042	U	0.042	0.042	U
116920	L11169043	691813	92098		1.0	2.0					0.041	0.041	U	0.041	0.041	U
116921	L11169044	692141	92572		0.0	1.0					0.043	0.043	U	0.043	0.043	U
116921	L11169045	692141	92572		1.0	2.0					0.044	0.044	U	0.044	0.044	U
116922	L11169046	692089	92779		0.0	1.0					0.043	0.043	U	0.043	0.043	U
116922	L11169047	692089	92779		1.0	2.0					0.043	0.043	U	0.043	0.043	U
116925	L11169052	691675	93311		0.0	1.0					0.042	0.042	U	0.042	0.042	U
116925	L11169053	691675	93311		1.0	2.0					0.042	0.042	U	0.200	0.042	
160302	L1163014	692094	92997		1.0	2.0										
163701	L1163001	691731	92351		0.0	1.0										
163701	L1163002	691731	92351		1.0	2.0										
163701	L1163003	691731	92351		2.0	4.0										
163701	L1163004	691731	92351		4.0	6.0										
163702	L1163005	691759	92309		0.0	1.0										
163702	L1163006	691759	92309		1.0	2.0										
163702	L1163007	691759	92309		2.0	4.0										
163702	L1163008	691759	92309		4.0	6.0										
10DD01	L110DD001	691669	93262		0.0	1.0										
10DD01	L110DD002	691669	93262		1.0	2.0										
10DD01	L110DD003	691669	93262		2.0	4.0										
10DD01	L110DD004	691669	93262		4.0	6.0										

Table C-4b. All Post-Remedy Soil Data for Select Polychlorinated Biphenyls Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Aroclor-1254			Aroclor-1260		
											Result	DL	VQ	Result	DL	VQ
10DD02	L110DD005	691641	93234		0.0	1.0										
10DD02	L110DD006	691641	93234		1.0	2.0										
10DD02	L110DD007	691641	93234		2.0	4.0										
10DD02	L110DD008	691641	93234		4.0	6.0										
10DD03	L110DD009	691565	93119		0.0	1.0										
10DD03	L110DD010	691565	93119		1.0	2.0										
10DD03	L110DD011	691565	93119		2.0	4.0										
10DD03	L110DD012	691565	93119		4.0	6.0										
10DD04	L110DD013	691508	93081		0.0	1.0										
10DD04	L110DD014	691508	93081		1.0	2.0										
10DD04	L110DD015	691508	93081		2.0	4.0										
10DD04	L110DD016	691508	93081		2.0	4.0										
10DD04	L110DD017	691508	93081		4.0	6.0										
10DD05	L110DD018	691525	93099		0.0	1.0										
10DD05	L110DD019	691525	93099		1.0	2.0										
10DD07	L110DD026	691660	93153		0.0	1.0										
10DD07	L110DD027	691660	93153		1.0	2.0										
10DD07	L110DD028	691660	93153		2.0	4.0										
10DD07	L110DD029	691660	93153		4.0	6.0										
10DD09	L110DD034	691861	92762		0.0	1.0										
10DD09	L110DD035	691861	92762		1.0	2.0										
10DD09	L110DD036	691861	92762		2.0	4.0										
10DD09	L110DD037	691861	92762		4.0	6.0										
10DD10	L110DD038	691839	92768		0.0	1.0										
10DD10	L110DD039	691839	92768		0.0	1.0										
10DD10	L110DD040	691839	92768		1.0	2.0										
10DD10	L110DD041	691839	92768		2.0	4.0										
10DD10	L110DD042	691839	92768		4.0	6.0										
10DD11	L110DD043	691762	92784		0.0	1.0										
10DD11	L110DD044	691762	92784		1.0	2.0										
10DD11	L110DD045	691762	92784		1.0	2.0										
10DD11	L110DD046	691762	92784		2.0	4.0										
10DD11	L110DD047	691762	92784		4.0	6.0										
10DD12	L110DD048	691726	92790		0.0	1.0										
10DD12	L110DD049	691726	92790		1.0	2.0										
10DD12	L110DD050	691726	92790		2.0	4.0										
10DD12	L110DD051	691726	92790		4.0	6.0										
10DD13	L110DD052	691627	92701		0.0	1.0										
10DD13	L110DD053	691627	92701		1.0	2.0										
10DD13	L110DD054	691627	92701		2.0	4.0										
10DD13	L110DD055	691627	92701		4.0	6.0										

Table C-4b. All Post-Remedy Soil Data for Select Polychlorinated Biphenyls Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Aroclor-1254			Aroclor-1260		
											Result	DL	VQ	Result	DL	VQ
10DD14	L110DD056	691617	92673		0.0	1.0										
10DD14	L110DD057	691617	92673		1.0	2.0										
10DD14	L110DD058	691617	92673		2.0	4.0										
10DD14	L110DD059	691617	92673		4.0	6.0										
10DD15	L110DD060	691625	92545		0.0	1.0										
10DD15	L110DD061	691625	92545		1.0	2.0										
10DD15	L110DD062	691625	92545		2.0	4.0										
10DD15	L110DD063	691625	92545		4.0	6.0										
10DD16	L110DD065	691588	92546		1.0	2.0										
10DD16	L110DD066	691588	92546		2.0	4.0										
10DD16	L110DD067	691588	92546		4.0	6.0										
10DD17	L110DD069	691547	92435		1.0	2.0										
10DD17	L110DD070	691547	92435		2.0	4.0										
10DD17	L110DD071	691547	92435		4.0	6.0										
10DD17	L110DD072	691547	92435		4.0	6.0										
10DD18	L110DD074	691582	92419		1.0	2.0										
10DD18	L110DD075	691582	92419		2.0	4.0										
10DD18	L110DD076	691582	92419		4.0	6.0										
10DD19	L110DD077	691678	92547		0.0	1.0										
10DD19	L110DD078DL	691678	92547		1.0	2.0										
10DD19	L110DD079DL	691678	92547		2.0	4.0										
10DD20	L110DD081	691806	92511		0.0	1.0										
10DD20	L110DD082	691806	92511		1.0	2.0										
10DD20	L110DD083	691806	92511		2.0	4.0										
10DD20	L110DD084	691806	92511		4.0	6.0										
10DD21	L110DD085	691838	92504		0.0	1.0										
10DD21	L110DD086	691838	92504		1.0	2.0										
10DD21	L110DD087	691838	92504		2.0	4.0										
10DD21	L110DD088	691838	92504		4.0	6.0										
10DD22	L110DD089	691858	92111		0.0	1.0										
10DD22	L110DD090	691858	92111		1.0	2.0										
10DD22	L110DD091	691858	92111		2.0	4.0										
10DD22	L110DD092	691858	92111		4.0	6.0										
10DD23	L110DD094	691798	92021		1.0	2.0										
10DD23	L110DD095	691798	92021		2.0	4.0										
10DD23	L110DD096	691798	92021		4.0	6.0										
10DD25	L110DD102	691742	92808		2.0	4.0										
10DD25	L110DD103	691742	92808		1.0	2.0										
10DD25	L110DD104	691742	92808		2.0	4.0										
10DD25	L110DD105	691742	92808		4.0	6.0										
10DD26	L110DD106	691759	92856		0.0	1.0										

Table C-4b. All Post-Remedy Soil Data for Select Polychlorinated Biphenyls Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Aroclor-1254			Aroclor-1260		
											Result	DL	VQ	Result	DL	VQ
10DD26	L110DD107	691759	92856		1.0	2.0										
10DD26	L110DD108	691759	92856		2.0	4.0										
10DD26	L110DD109	691759	92856		4.0	6.0										
10DD27	L110DD110	691918	91943		0.0	1.0										
10DD27	L110DD111	691918	91943		1.0	2.0										
10DD27	L110DD112	691918	91943		2.0	4.0										
10DD27	L110DD113	691918	91943		4.0	6.0										
10DD28	L110DD115	691840	91886		1.0	2.0										
10DD28	L110DD116	691840	91886		2.0	4.0										
10DD28	L110DD117	691840	91886		4.0	6.0										
10DD29	L110DD131	691632	93305		0.0	1.0										
10DD29	L110DD132	691632	93305		1.0	2.0										
10DD29	L110DD133	691632	93305		2.0	4.0										
10DD29	L110DD134	691632	93305		4.0	6.0										
L1-E1-C008	IAAP130263						EU1	A	1	Floor BC 1, 2, 3, 10, 11, 12, 13, 14, 15, and 16	0.039	0.039	U	0.015	0.039	J
L1-E1-C009	IAAP130266									Wall BC 15, 16, and 1	0.037	0.037	U	0.037	0.037	=
L1-E1-C010	IAAP130267									Wall BC 1, 2, and 3	0.038	0.038	U	0.071	0.038	=
L1-E1-C011	IAAP130490									Wall BC 10, 11, and 12	0.038	0.038	U	2.200	0.15	=
L1-E1-C012	IAAP130491									Wall BC 12, 13, 14, and 15	0.037	0.037	U	0.026	0.037	J
L1-E1-C013	IAAP130492									Walls under concrete pad BC 17, 18, 19, and 20	0.039	0.039	U	0.320	0.039	=
L1-E1-C014	IAAP130493									Floor BC 21, 22, 23, and 24	0.041	0.041	U	0.370	0.041	=
L1-E1-C015	IAAP130494									Wall BC 3, 4, 5, and 6	0.040	0.04	U	0.870	0.04	=
L1-E1-C016	IAAP130495									Wal BC 6, 7, 8, and 9	0.041	0.041	U	0.300	0.041	=
L1-E1-C017	IAAP130496									Wall BC 9 and 10	0.039	0.039	U	2.100	0.16	=
L1-E1-C018	IAAP130497						Floor BC 3, 4, 5, 6, 7, 8, 9, and 10	0.040	0.04	U	1.200	0.04	=			

Notes:

VQ symbols indicate: “=” positive identification, positive quantitation, no reason to estimate, “U” non-detect, no reason to estimate, “J” positive identification, estimated quantitation, “UJ” analyte was not detected and had QC deficiencies.

Table C-4c. All Post-Remedy Soil Data for Select Metals Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Barium			Chromium			
											Result	DL	VQ	Result	DL	VQ	
IAAP100000	IAAP100000	691723.44	93385.79	03/28/07	0	0.5											
IAAP100000	IAAP100001	691723.44	93385.79	03/28/07	0.5	1											
IAAP100002	IAAP100002	691726.92	93376.03	03/28/07	0	0.5											
IAAP100002	IAAP100003	691726.92	93376.03	03/28/07	0.5	1											
IAAP100004	IAAP100004	691732.81	93366.73	03/28/07	0	0.5											
IAAP100004	IAAP100005	691732.81	93366.73	03/28/07	0.5	1											
IAAP100006	IAAP100006	691735.81	93358.42	03/28/07	0	0.5											
IAAP100006	IAAP100007	691735.81	93358.42	03/28/07	0.5	1											
IAAP100008	IAAP100008	691739.66	93346.54	03/28/07	0	0.5											
IAAP100008	IAAP100009	691739.66	93346.54	03/28/07	0.5	1											
IAAP100031	IAAP100031	691727.31	93292.52	03/29/07	0	0.5											
IAAP100034	IAAP100034	691728.18	93296.62	03/29/07	0	0.5											
IAAP100046	IAAP100046	691996.61	93031.05	03/23/07	0	0.5						146.00	0.65	=	16.40	0.46	=
IAAP136603	IAAP100047	691990.48	93027.37	03/23/07	0	0.5						138.00	0.61	=	16.10	0.43	=
IAAP100048	IAAP100048	691996.18	93025.73	03/23/07	0	0.5						187.00	0.65	=	18.60	0.46	=
IAAP100051	IAAP100051	691943.22	92732.92	04/16/07	0	0.5											
IAAP100051	IAAP100052	691943.22	92732.92	04/16/07	1	2											
IAAP100057	IAAP100057	691587.61	92871.04	04/12/07	0	0.5									1,440.00	1.8	=
IAAP100058	IAAP100058	691571.87	92865.95	04/12/07	0	0.5									16.50	0.49	=
IAAP100059	IAAP100059	691922.71	92626.5	04/15/07	0	0.5									7,510.00	0.49	=
IAAP100060	IAAP100060	691917.77	92621.56	04/15/07	0	0.5									476.00	0.45	=
IAAP100061	IAAP100061	691921.19	92615.5	04/15/07	0	0.5									22.30	0.45	=
IAAP100062	IAAP100062	691693.75	92886.11	04/12/07	0	0.5									76.50	0.47	=
IAAP100063	IAAP100063	691696.5	92877.2	04/12/07	0	0.5									149.00	0.5	=
IAAP100064	IAAP100064	691689.05	92879.37	04/12/07	0	0.5									20.00	0.48	=
IAAP100066	IAAP100066	691749.63	92654.13	04/12/07	0	0.5											
IAAP100068	IAAP100068	691682.18	92883.19	04/12/07	0	0.5											
IAAP100070	IAAP100070	691851.03	92973.78	04/12/07	0	0.5											
IAAP100071	IAAP100071	691694.48	92747.08	04/11/07	0	0.5											
IAAP100087	IAAP100087	691886.05	92824.82	04/16/07	0	0.5											
IAAP100000	IAAP100112	691723.44	93385.79	03/28/07	1	1.5											
IAAP100002	IAAP100113	691726.92	93376.03	03/28/07	1	1.5											
IAAP100004	IAAP100114	691732.81	93366.73	03/28/07	1	1.5											
IAAP100006	IAAP100115	691735.81	93358.42	03/28/07	1	1.5											
IAAP100008	IAAP100116	691739.66	93346.54	03/28/07	1	1.5											
IAAP103900	IAAP103900	691723.57	93391.67	05/29/07	0	0.5											
IAAP103900	IAAP103901	691723.57	93391.67	05/29/07	0.5	1											
IAAP103900	IAAP103902	691723.57	93391.67	05/29/07	1	1.5											
IAAP103900	IAAP103903	691723.57	93391.67	05/29/07	1.5	2											
IAAP103904	IAAP103904	691713.05	93388.24	05/29/07	0	0.5											
IAAP103904	IAAP103905	691713.05	93388.24	05/29/07	0.5	1											
IAAP103904	IAAP103906	691713.05	93388.24	05/29/07	1	1.5											

Table C-4c. All Post-Remedy Soil Data for Select Metals Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Barium			Chromium		
											Result	DL	VQ	Result	DL	VQ
IAAP103904	IAAP103907	691713.05	93388.24	05/29/07	1.5	2										
IAAP103919	IAAP103919	692010.7	92873.76	05/30/07	0	0.5										
IAAP103932	IAAP103932	691887.23	92819.77	06/05/07	0	0.5										
IAAP103957	IAAP103957	691806.11	92492.32	05/31/07	0	0.5					115.00	0.63	=	10.00	0.45	J
IAAP103958	IAAP103958	691801.39	92494.82	05/31/07	0	0.5					128.00	0.62	=	13.30	0.44	J
IAAP103959	IAAP103959	691802	92486.1	05/31/07	0	0.5					107.00	0.64	=	14.00	0.46	J
IAAP111608	IAAP111608	691729.54	93383.8	09/25/08	0	0.5					150.00	0.82	=	13.90	13.9	U
IAAP96976	IAAP111609	COMPOSITE	COMPOSITE	09/25/08	1	2					200.00	0.37	=	14.20	14.2	U
IAAP111627	IAAP111628	691996.16	93028.25	09/24/08	1	2					186.00	0.35	=	17.40	0.73	J
IAAP111631	IAAP111631	692000.12	93025.48	09/24/08	0	0.5					115.00	0.35	=	12.90	0.73	J
IAAP111633	IAAP111633	691947.6	92731.29	09/23/08	0	1					189.00	0.35	=	22.40	0.73	J
IAAP111634	IAAP111634	691942.06	92729.45	09/23/08	0	1					166.00	0.34	=	37.50	0.72	J
IAAP111635	IAAP111635	691936.94	92730.22	09/23/08	0	1					255.00	0.35	=	18.90	0.73	J
IAAP111652	IAAP111652	691848.62	92980.16	09/24/08	0	1					203.00	0.35	=	30.60	0.73	J
IAAP96925	IAAP96925	692027	92844.46	10/26/06	0	0.5					151.00	0.7	=	16.70	0.5	=
IAAP96926	IAAP96926	692014.91	92844.8	10/26/06	0	0.5					168.00	0.7	=	19.40	0.5	=
IAAP96927	IAAP96927	691998.35	92979.48	10/26/06	0	0.5					170.00	0.74	=	16.80	0.53	=
IAAP96928	IAAP96928	691998.35	92979.48	10/26/06	0	0.5					180.00	0.7	=	20.40	0.49	=
IAAP96929	IAAP96929	691966.49	92969.51	10/26/06	0	0.5					275.00	0.69	=	22.00	0.49	=
IAAP96935	IAAP96935	691894.02	93328.08	11/15/06	0	0.5					43.20	2.8	=	5.20	2	=
IAAP96936	IAAP96936	COMPOSITE	COMPOSITE	11/15/06	0	0.5					197.00	0.67	=	18.30	0.48	=
IAAP96937	IAAP96937	COMPOSITE	COMPOSITE	11/13/06	0	0.5					54.80	2.8	=	9.80	2	=
IAAP96938	IAAP96938	691840.29	93270.4	11/13/06	0	0.5					243.00	0.67	=	15.40	0.47	=
IAAP96939	IAAP96939	691831.83	93298.23	11/13/06	0	0.5					29.20	2.7	=	3.70	2	J
IAAP96940	IAAP96940	691832.3	93342.32	11/13/06	0	0.5					39.10	2.8	=	92.40	2	=
IAAP96941	IAAP96941	691814.66	93317.23	11/13/06	0	0.5					170.00	0.63	=	27.60	0.45	J
IAAP96942	IAAP96942	691838.97	93244.84	11/13/06	0	0.5					204.00	0.63	=	22.70	0.45	=
IAAP96943	IAAP96943	691740.96	93451.82	11/14/06	0	0.5					54.70	1.2	=	10.00	0.84	J
IAAP96944	IAAP96944	691700	93430.63	11/14/06	0	0.5					184.00	1.2	=	16.40	0.88	J
IAAP96945	IAAP96945	691712.74	93499.75	11/14/06	0	0.5					154.00	0.7	=	26.10	0.5	J
IAAP96949	IAAP96949	692113.04	93092.9	11/15/06	0	0.5					217.00	0.62	=	21.50	0.44	=
IAAP96950	IAAP96950	COMPOSITE	COMPOSITE	11/15/06	0	0.5					226.00	0.64	=	11.80	0.46	=
IAAP96951	IAAP96951	COMPOSITE	COMPOSITE	11/15/06	0	0.5					156.00	0.62	=	15.10	0.44	=
IAAP96952	IAAP96952	692127.71	93042.61	11/15/06	0	0.5					27.00	2.6	=	2.50	1.8	=
IAAP96953	IAAP96953	692116.38	93011.84	11/15/06	0	0.5					184.00	0.61	=	14.30	0.43	=
IAAP96954	IAAP96954	692116.26	92981.47	11/15/06	0	0.5					156.00	0.57	=	11.40	0.4	=
IAAP96959	IAAP96959	COMPOSITE	COMPOSITE	11/14/06	0	0.5					167.00	0.6	=	17.10	0.43	J
IAAP96961	IAAP96961	COMPOSITE	COMPOSITE	11/13/06	0	0.5					135.00	0.62	=	16.60	0.44	=
IAAP96962	IAAP96962	COMPOSITE	COMPOSITE	11/13/06	0	0.5					146.00	0.61	=	15.40	0.44	=
IAAP96963	IAAP96963	COMPOSITE	COMPOSITE	11/13/06	0	0.5					146.00	0.58	=	13.80	0.41	J
IAAP96964	IAAP96964	691985.83	93063.1	11/13/06	0	0.5					166.00	0.62	=	18.50	0.44	=

Table C-4c. All Post-Remedy Soil Data for Select Metals Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Barium			Chromium		
											Result	DL	VQ	Result	DL	VQ
IAAP96967	IAAP96967	691937	93039	11/13/06	0	0.5					38.00	2.7	=	12.00	1.9	=
IAAP96976	IAAP96976	COMPOSITE	COMPOSITE	11/14/06	0	0.5					175.00	3.3	=	191.00	2.3	J
IAAP96977	IAAP96977	COMPOSITE	COMPOSITE	11/14/06	0	0.5					138.00	0.74	=	87.50	0.53	J
IAAP96979	IAAP96979	691795.01	93119.57	11/14/06	0	0.5					197.00	0.64	=	24.50	0.45	J
IAAP96980	IAAP96980	691808.87	93106.84	11/14/06	0	0.5					47.80	2.7	=	14.10	1.9	J
IAAP96988	IAAP96988	691954.34	92114.71	11/14/06	0	0.5					30.20	1.1	=	6.90	0.76	J
IAAP96989	IAAP96989	691876.63	92299.46	11/14/06	0	0.5					229.00	0.61	=	14.70	0.44	J
IAAP96992	IAAP96992	COMPOSITE	COMPOSITE	11/14/06	0	0.5					94.50	1.1	=	9.60	0.79	=
IAAP96994	IAAP96994	691857.33	92413.74	11/14/06	0	0.5					113.00	0.57	=	14.40	0.4	=
IAAP96996	IAAP96996	COMPOSITE	COMPOSITE	11/14/06	0	0.5					144.00	0.64	=	14.70	0.45	=
IAAP96997	IAAP96997	691844.39	92407.27	11/14/06	0	0.5					41.60	2.8	=	6.90	2	=
IAAP96998	IAAP96998	691728	93303	11/14/06	0	0.5					164.00	1.1	=	15.90	0.77	J
IAAP97000	IAAP97000	691786.4	93115.72	11/14/06	0	0.5					174.00	0.67	=	17.60	0.47	J
IAAP97001	IAAP97001	691872	93010	12/18/06	0	0.5					86.30	0.55	=	14.30	0.39	=
IAAP97002	IAAP97002	691884	93003	12/18/06	0	0.5					53.10	0.53	=	6.40	0.38	=
IAAP97003	IAAP97003	691888	92995	12/18/06	0	0.5					147.00	0.61	=	16.60	0.44	=
IAAP97008	IAAP97008	691894	92818	12/19/06	0	0.5					214.00	0.64	J	19.20	0.46	J
IAAP97009	IAAP97009	691903	92823	12/19/06	0	0.5					297.00	6.3	J	64.70	0.45	J
IAAP97010	IAAP97010	691891	92892	12/19/06	0	0.5					227.00	0.63	J	18.40	0.44	J
IAAP97011	IAAP97011	691900	92879	12/19/06	0	0.5					172.00	0.64	J	23.60	0.46	J
IAAP97012	IAAP97012	691889	92913	12/19/06	0	0.5					170.00	0.65	J	23.60	0.46	J
IAAP97013	IAAP97013	691813	92905	12/18/06	0	0.5					144.00	0.56	=	373.00	0.39	=
IAAP97016	IAAP97016	691683	92887	12/18/06	0	0.5					781.00	0.66	=	24.80	0.47	=
IAAP97017	IAAP97017	691680	92894	12/18/06	0	0.5					221.00	0.6	=	23.70	0.42	=
IAAP97018	IAAP97018	691694	92881	12/18/06	0	0.5					166.00	0.7	=	2,740.00	0.49	=
IAAP97019	IAAP97019	691689	92747	12/18/06	0	0.5					213.00	0.67	=	14.30	0.47	=
IAAP97020	IAAP97020	691695	92744	12/18/06	0	0.5					152.00	0.65	=	15.90	0.46	=
IAAP97021	IAAP97021	691719	92718	12/18/06	0	0.5					70.10	0.68	=	10.00	0.48	=
IAAP97022	IAAP97022	691753	92650	12/18/06	0	0.5					182.00	0.64	=	32.10	0.45	J
IAAP97023	IAAP97023	691750	92660	12/18/06	0	0.5					129.00	0.69	=	20.90	0.49	=
IAAP97024	IAAP97024	691745	92709	12/18/06	0	0.5					135.00	0.67	=	15.90	0.47	=
IAAP97030	IAAP97030	691973	92557	12/19/06	0	0.5					142.00	0.6	J	17.50	0.43	J
IAAP97031	IAAP97031	691979	92543	12/19/06	0	0.5					29.70	0.55	J	5.70	0.39	J
IAAP97032	IAAP97032	692030	92538	12/19/06	0	0.5					114.00	1	J	11.50	0.71	J
IAAP97033	IAAP97033	692033	92519	12/19/06	0	0.5					8.90	0.54	J	3.50	0.38	J
IAAP97034	IAAP97034	692018	92535	12/20/06	0	0.5					230.00	0.73	=	20.10	0.52	=
IAAP97049	IAAP97049	691998	92245	12/19/06	0	0.5					183.00	0.66	J	21.80	0.47	J
IAAP98247	IAAP98247	691977	92312	12/19/06	0	0.5					162.00	0.69	J	49.90	0.49	J
IAAP98256	IAAP98256	691757	92280	12/20/06	0	0.5					277.00	0.65	=	17.10	0.92	=
IAAP98257	IAAP98257	691780	92253	12/20/06	0	0.5					142.00	0.63	=	16.30	0.45	=
IAAP98259	IAAP98259	691921	92623	12/19/06	0	0.5					65.90	2.8	J	1,170.00	2	J

Table C-4c. All Post-Remedy Soil Data for Select Metals Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Barium			Chromium		
											Result	DL	VQ	Result	DL	VQ
IAAP98260	IAAP98260	691719	92537	12/18/06	0	0.5					267.00	0.61	=	12.20	0.43	=
IAAP98261	IAAP98261	691626	92692	12/18/06	0	0.5					157.00	0.62	=	15.30	0.44	=
IAAP98262	IAAP98262	691633	92751	12/18/06	0	0.5					568.00	0.68	=	36.30	0.48	=
IAAP98263	IAAP98263	691582	92869	12/18/06	0	0.5					16,600.00	3.8	J	1,380.00	1.4	=
IAAP98264	IAAP98264	691518	93097	12/18/06	0	0.5					153.00	0.81	=	16.20	0.58	=
IAAP98273	IAAP98273	692131	92072.7	12/19/06	0	0.5					174.00	0.65	J	15.80	0.46	J
IAAP98274	IAAP98274	691733.32	93424.71	12/20/06	0	0.5					30.30	0.55	=	8.20	0.39	=
IAAP99927	IAAP99927	691811.29	92488.02	04/16/07	0	0.5					87.20	0.64	J	107.00	0.45	J
IAAP99928	IAAP99928	691809.48	92485.81	04/16/07	0	0.5					29.50	0.57	J	5.40	0.4	J
IAAP99929	IAAP99929	691815.02	92487.65	04/16/07	0	0.5					68.40	0.54	J	30.50	0.38	J
IAAP99930	IAAP99930	691811.29	92492.77	04/16/07	0	0.5					14.50	2.7	J	3.70	1.9	J
100101	L1101001	691685	93330		0.0	1.0					230.000	12		19.000	1.2	
100101	L1101002	691685	93330		1.0	2.0										
100101	L1101003	691685	93330		2.0	4.0										
100101	L1101004	691685	93330		4.0	6.0										
100102	L1101005	691685	93369		0.0	1.0					210.000	13		16.000	1.3	
100102	L1101006	691685	93369		1.0	2.0										
100102	L1101007	691685	93369		2.0	4.0										
100102	L1101008	691685	93369		4.0	6.0										
100103	L1101009	691723	93308		0.0	1.0					28.000	11		8.000	1.1	
100103	L1101010	691723	93308		1.0	2.0										
100103	L1101011	691723	93308		2.0	4.0										
100103	L1101012	691723	93308		4.0	6.0										
100201	L1102001	691824	93116		1.0	2.0										
100201	L1102002	691824	93116		2.0	4.0										
100202	L1102003	691834	93110		1.0	2.0										
100202	L1102004	691834	93110		2.0	4.0										
100203	L1102005	691839	93129		1.0	2.0										
100203	L1102006	691839	93129		2.0	4.0										
100204	L1102007	691851	93109		1.0	2.0										
100204	L1102008	691851	93109		2.0	4.0										
100205	L1102009	691838	93090		1.0	2.0										
100205	L1102010	691838	93090		2.0	4.0										
100205	L1102011	691838	93090		2.0	4.0										
100206	L1102012	691842	93123		1.0	2.0										
100206	L1102013	691842	93123		2.0	4.0										
100302	L1103005	691754	93117		0.0	1.0					230.000	13		17.000	1.3	
100302	L1103006	691754	93117		1.0	2.0										
100302	L1103007	691754	93117		2.0	4.0										
100302	L1103008	691754	93117		4.0	6.0										
100303	L1103009	691803	93111		0.0	1.0					84.000	12		34.000	1.2	

Table C-4c. All Post-Remedy Soil Data for Select Metals Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Barium			Chromium		
											Result	DL	VQ	Result	DL	VQ
100303	L1103010	691803	93111		1.0	2.0										
100303	L1103011	691803	93111		2.0	4.0										
100303	L1103012	691803	93111		4.0	6.0										
100304	L1103013	691776	93096		0.0	1.0					150.000	10		12.000	1	
100304	L1103014	691776	93096		1.0	2.0										
100304	L1103015	691776	93096		2.0	4.0										
100304	L1103016	691776	93096		2.0	4.0										
100304	L1103017	691776	93096		4.0	6.0										
100305	L1103018	692112	92187		0.0	1.0					40.000	12		6.400	1.2	
100305	L1103019	692112	92187		1.0	2.0										
100305	L1103020	692112	92187		2.0	4.0										
100305	L1103021	692112	92187		4.0	6.0										
100401	L1104001	691772	93135		0.0	1.0					190.000	13		16.000	1.3	
100401	L1104002	691772	93135		1.0	2.0										
100401	L1104003	691772	93135		2.0	4.0										
100401	L1104004	691772	93135		4.0	6.0										
100402	L1104005	691742	93216		0.0	1.0					160.000	12		21.000	1.2	
100402	L1104006	691742	93216		1.0	2.0										
100402	L1104007	691742	93216		2.0	4.0										
100402	L1104008	691742	93216		4.0	6.0										
100403	L1104009	691792	93152		0.0	1.0					160.000	12		19.000	1.2	
100403	L1104010	691792	93152		1.0	2.0										
100403	L1104011	691792	93152		2.0	4.0										
100403	L1104012	691792	93152		4.0	6.0										
100404	L1104013	691796	93140		0.0	1.0					170.000	12		17.000	1.2	
100404	L1104014	691796	93140		1.0	2.0										
100404	L1104015	691796	93140		2.0	4.0										
100404	L1104016	691796	93140		4.0	6.0										
100501	L1105001	691921	92838		0.0	1.0					230.000	12		25.000	1.2	
100501	L1105002	691921	92838		1.0	2.0										
100501	L1105003	691921	92838		2.0	4.0										
100501	L1105004	691921	92838		4.0	6.0										
100502	L1105005	691921	92844		0.0	1.0					240.000	13		18.000	1.3	
100502	L1105006	691921	92844		1.0	2.0										
100502	L1105007	691921	92844		1.0	2.0										
100502	L1105008	691921	92844		2.0	4.0										
100502	L1105009	691921	92844		4.0	6.0										
100503	L1105010	691915	92797		0.0	1.0					330.000	12		34.000	1.2	
100503	L1105011	691915	92797		1.0	2.0										
100503	L1105012	691915	92797		2.0	4.0										
100503	L1105013	691915	92797		4.0	6.0										

Table C-4c. All Post-Remedy Soil Data for Select Metals Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Barium			Chromium		
											Result	DL	VQ	Result	DL	VQ
100504	L1105014	691932	92802		0.0	1.0					300.000	13		26.000	1.3	
100504	L1105015	691932	92802		1.0	2.0										
100504	L1105016	691932	92802		2.0	4.0										
100504	L1105017	691932	92802		4.0	6.0										
100505	L1105018	691911	92799		0.0	1.0					160.000	12		15.000	1.2	
100505	L1105019	691911	92799		1.0	2.0										
100505	L1105020	691911	92799		2.0	4.0										
100505	L1105021	691911	92799		4.0	6.0										
100506	L1105022	691896	92792		1.0	2.0										
100506	L1105023	691896	92792		2.0	4.0										
100506	L1105024	691896	92792		4.0	6.0										
100509	L1105035	691899	92831		0.0	1.0					180.000	12		26.000	1.2	
100509	L1105036	691899	92831		1.0	2.0										
100509	L1105037	691899	92831		2.0	4.0										
100509	L1105038	691899	92831		4.0	6.0										
100510	L1105055	691886	92945		0.0	1.0					190.000	13		18.000	1.3	
100510	L1105056	691886	92945		1.0	2.0					220.000	12		16.000	1.2	
100510	L1105057	691886	92945		2.0	4.0										
100510	L1105058	691886	92945		4.0	6.0										
100511	L1105059	691877	92995		1.0	2.0										
100511	L1105060	691877	92995		2.0	4.0										
100511	L1105061	691877	92995		2.0	4.0										
100511	L1105062	691877	92995		4.0	6.0										
100512	L1105063	691842	92972		1.0	2.0										
100512	L1105064	691842	92972		2.0	4.0										
100512	L1105065	691842	92972		4.0	6.0										
100513	L1105066	691845	92995		1.0	2.0										
100513	L1105067	691845	92995		2.0	4.0										
100513	L1105068	691845	92995		2.0	4.0										
100514	L1105069	691849	92986		1.0	2.0										
100514	L1105070	691849	92986		2.0	4.0										
100514	L1105071	691849	92986		4.0	5.0										
100517	L1105079	691867	93001		0.0	1.0					210.000	13		180.000	1.3	
100517	L1105080	691867	93001		1.0	2.0										
100517	L1105081	691867	93001		2.0	4.0										
100517	L1105082	691867	93001		4.0	6.0										
100519	L1105088	691864	92940		0.0	1.0					160.000	12		17.000	1.2	
100519	L1105089	691864	92940		1.0	2.0										
100519	L1105090	691864	92940		2.0	4.0										
100519	L1105091	691864	92940		4.0	6.0										
100521	L1105096	691911	92849		0.0	1.0					170.000	12		19.000	1.2	

Table C-4c. All Post-Remedy Soil Data for Select Metals Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Barium			Chromium		
											Result	DL	VQ	Result	DL	VQ
100521	L1105097	691911	92849		1.0	2.0										
100521	L1105098	691911	92849		2.0	4.0										
100521	L1105099	691911	92849		4.0	6.0										
100601	L1106001	691750	92646		0.0	1.0					430.000	14		32.000	1.4	
100601	L1106002	691750	92646		1.0	2.0										
100601	L1106003	691750	92646		2.0	4.0										
100601	L1106004	691750	92646		2.0	4.0										
100601	L1106005	691750	92646		4.0	6.0										
100602	L1106006	691739	92639		0.0	1.0					150.000	11		6.500	1.1	
100602	L1106007	691739	92639		1.0	2.0										
100602	L1106008	691739	92639		2.0	4.0										
100602	L1106009	691739	92639		4.0	6.0										
100603	L1106010	691621	93000		0.0	1.0					17.000	11		6.700	1.1	
100603	L1106011	691621	93000		1.0	2.0										
100603	L1106012	691621	93000		2.0	4.0										
100603	L1106013	691621	93000		4.0	6.0										
100604	L1106014	691632	93007		0.0	1.0					660.000	14		110.000	1.4	
100604	L1106015	691632	93007		1.0	2.0										
100604	L1106016	691632	93007		2.0	4.0										
100604	L1106017	691632	93007		4.0	6.0										
100701	L1107001	692002	92830		0.0	1.0					140.000	12		15.000	1.2	
100701	L1107002	692002	92830		1.0	2.0										
100701	L1107003	692002	92830		2.0	4.0										
100702	L1107005	692023	92845		0.0	1.0					150.000	13		15.000	1.3	
100702	L1107006	692023	92845		1.0	2.0										
100702	L1107007	692023	92845		2.0	4.0										
100702	L1107008	692023	92845		4.0	6.0										
100703	L1107009	692034	92800		0.0	1.0					150.000	12		13.000	1.2	
100703	L1107010	692034	92800		1.0	2.0										
100703	L1107011	692034	92800		2.0	4.0										
100703	L1107012	692034	92800		4.0	6.0										
100801	L1108001	691700	92779		0.0	1.0					180.000	13		17.000	1.3	
100801	L1108002	691700	92779		1.0	2.0										
100801	L1108003	691700	92779		2.0	4.0										
100801	L1108004	691700	92779		2.0	4.0										
100801	L1108005	691700	92779		4.0	6.0										
100802	L1108006	691723	92706		0.0	1.0					150.000	13		15.000	1.3	
100802	L1108006A	691723	92706		0.0	1.0					240.000	13		25.000	1.3	
100802	L1108007	691723	92706		1.0	2.0										
100802	L1108007A	691723	92706		1.0	2.0										
100802	L1108008	691723	92706		2.0	4.0										

Table C-4c. All Post-Remedy Soil Data for Select Metals Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Barium			Chromium		
											Result	DL	VQ	Result	DL	VQ
100802	L1108008A	691723	92706		2.0	4.0										
100802	L1108009	691723	92706		4.0	6.0										
100802	L1108009A	691723	92706		4.0	6.0										
100803	L1108010	691715	92725		0.0	1.0					140.000	13		14.000	1.3	
100803	L1108011	691715	92725		1.0	2.0										
100803	L1108012	691715	92725		2.0	4.0										
100803	L1108013	691715	92725		4.0	6.0										
100805	L1108018	691709	92730		0.0	1.0					140.000	13		17.000	1.3	
100805	L1108019	691709	92730		1.0	2.0										
100805	L1108020	691709	92730		2.0	4.0										
100805	L1108021	691709	92730		4.0	6.0										
101001	L1110001	691959	92688		0.0	1.0										
101001	L1110002	691959	92688		1.0	2.0										
101001	L1110003	691959	92688		2.0	4.0										
101001	L1110004	691959	92688		4.0	6.0										
101004	L1110016	691978	92653		0.0	1.0					200.000	13		18.000	1.3	
101004	L1110017	691978	92653		1.0	2.0										
101004	L1110018	691978	92653		2.0	4.0										
101004	L1110019	691978	92653		4.0	6.0										
101005	L1110037	691993	92609		0.0	1.0					180.000	14		17.000	1.4	
101005	L1110038	691993	92609		1.0	2.0										
101005	L1110039	691993	92609		2.0	4.0										
101005	L1110040	691993	92609		4.0	6.0										
101006	L1110025	691952	92623		0.0	1.0					210.000	13		15.000	1.3	
101006	L1110026	691952	92623		1.0	2.0										
101006	L1110027	691952	92623		2.0	4.0										
101006	L1110028	691952	92623		4.0	5.0										
101007	L1110029	691971	92576		0.0	1.0					200.000	13		16.000	1.3	
101007	L1110030	691971	92576		1.0	2.0										
101008	L1110033	691999	92585		0.0	1.0					170.000	13		11.000	1.3	
101008	L1110034	691999	92585		1.0	2.0										
101008	L1110035	691999	92585		2.0	4.0										
101008	L1110036	691999	92585		4.0	6.0										
101009	L1110021	691999	92618		0.0	1.0					150.000	13		16.000	1.3	
101009	L1110022	691999	92618		1.0	2.0										
101009	L1110023	691999	92618		2.0	4.0										
101009	L1110024	691999	92618		4.0	6.0										
101101	L1111001	691809	93287		0.0	1.0					170.000	13		33.000	1.3	
101101	L1111002	691809	93287		1.0	2.0										
101101	L1111003	691809	93287		2.0	4.0										
101101	L1111004	691809	93287		4.0	6.0										

Table C-4c. All Post-Remedy Soil Data for Select Metals Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Barium			Chromium		
											Result	DL	VQ	Result	DL	VQ
101102	L1111005	691832	93269		0.0	1.0										
101102	L1111006	691832	93269		2.0	4.0										
101103	L1111007	691812	93314		0.0	1.0					190.000	13		41.000	1.3	
101103	L1111008	691812	93314		1.0	2.0										
101103	L1111009	691812	93314		2.0	4.0										
101103	L1111010	691812	93314		4.0	6.0										
101104	L1111011	691845	93331		0.0	1.0					53.000	12		13.000	1.2	
101104	L1111012	691845	93331		1.0	2.0										
101104	L1111013	691845	93331		2.0	4.0										
101104	L1111014	691845	93331		4.0	6.0										
101105	L1111015	691894	93311		0.0	1.0					230.000	12		14.000	1.2	
101105	L1111016	691894	93311		1.0	2.0										
101105	L1111017	691894	93311		2.0	4.0										
101105	L1111018	691894	93311		4.0	6.0										
101106	L1111019	691911	93281		0.0	1.0					200.000	13		14.000	1.3	
101106	L1111020	691911	93281		1.0	2.0										
101106	L1111022	691911	93281		2.0	4.0										
101106	L1111023	691911	93281		4.0	6.0										
101107	L1111024	691838	93244		0.0	1.0					100.000	13		15.000	1.3	
101107	L1111025	691838	93244		1.0	2.0										
101107	L1111026	691838	93244		2.0	4.0										
101107	L1111027	691838	93244		4.0	6.0										
101201	L1112001	692036	92381		1.0	2.0										
101201	L1112001A	692036	92381		0.0	1.0					260.000	13		18.000	1.3	
101201	L1112002	692036	92381		1.0	2.0										
101201	L1112003	692036	92381		2.0	4.0										
101201	L1112004	692036	92381		4.0	6.0										
101204	L1112011A	692080	92344		0.0	1.0					160.000	12		14.000	1.2	
101204	L1112012	692080	92344		2.0	4.0										
101204	L1112013	692080	92344		4.0	6.0										
101205	L1112014	692105	92261		1.0	2.0										
101205	L1112014A	692105	92261		0.0	1.0					9.100	12		1.200	1.2	U
101205	L1112015	692105	92261		2.0	4.0										
101205	L1112016	692105	92261		4.0	6.0										
101206	L1112017	692086	92238		1.0	2.0										
101206	L1112017A	692086	92238		0.0	1.0					170.000	13		20.000	1.3	
101206	L1112018	692086	92238		2.0	4.0										
101206	L1112019	692086	92238		4.0	6.0										
101207	L1112020	692050	92340		1.0	2.0										
101207	L1112020A	692050	92340		0.0	1.0					220.000	13		16.000	1.3	
101207	L1112021	692050	92340		2.0	4.0										

Table C-4c. All Post-Remedy Soil Data for Select Metals Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Barium			Chromium		
											Result	DL	VQ	Result	DL	VQ
101207	L1112022	692050	92340		4.0	6.0										
101208	L1112023	692041	92462		0.0	1.0						150.000	13		38.000	1.3
101208	L1112024	692041	92462		1.0	2.0										
101208	L1112025	692041	92462		1.0	2.0										
101208	L1112026	692041	92462		2.0	4.0										
101208	L1112027	692041	92462		4.0	6.0										
101209	L1112028	692063	92389		0.0	1.0						120.000	11		20.000	1.1
101209	L1112029	692063	92389		1.0	2.0										
101209	L1112030	692063	92389		2.0	4.0										
101209	L1112031	692063	92389		4.0	6.0										
101210	L1112033	692085	92323		1.0	2.0										
101210	L1112034	692085	92323		2.0	4.0										
101210	L1112036	692085	92323		4.0	6.0										
101210	L111232	692085	92323		0.0	1.0						180.000	13		15.000	1.3
101211	L1112037	692098	92292		0.0	1.0						58.000	12		9.000	1.2
101211	L1112038	692098	92292		1.0	2.0										
101211	L1112039	692098	92292		2.0	4.0										
101211	L1112040	692098	92292		4.0	6.0										
101212	L1112041	692076	92256		0.0	1.0						180.000	13		17.000	1.3
101212	L1112042	692076	92256		1.0	2.0										
101212	L1112043	692076	92256		2.0	4.0										
101212	L1112044	692076	92256		4.0	6.0										
101213	L1112045	692055	92294		0.0	1.0						180.000	12		15.000	1.2
101213	L1112046	692055	92294		1.0	2.0										
101213	L1112047	692055	92294		2.0	4.0										
101213	L1112048	692055	92294		2.0	4.0										
101213	L1112049	692055	92294		4.0	6.0										
101301	L1113001	691873	92319		0.0	1.0						190.000	12		15.000	1.2
101301	L1113002	691873	92319		1.0	2.0										
101301	L1113003	691873	92319		2.0	4.0										
101301	L1113004	691873	92319		4.0	6.0										
101302	L1113006	691868	92338		0.0	1.0						240.000	13		16.000	1.3
101302	L1113007	691868	92338		1.0	2.0										
101302	L1113008	691868	92338		2.0	4.0										
101302	L1113009	691868	92338		4.0	6.0										
101303	L1113010	691845	92407		0.0	1.0						160.000	12		13.000	1.2
101303	L1113011	691845	92407		1.0	2.0										
101303	L1113012	691845	92407		2.0	4.0										
101303	L1113013	691845	92407		4.0	6.0										
101304	L1113014	691870	92409		2.0	4.0						120.000	12		13.000	1.2
101304	L1113015	691870	92409		1.0	2.0										

Table C-4c. All Post-Remedy Soil Data for Select Metals Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Barium			Chromium		
											Result	DL	VQ	Result	DL	VQ
101304	L1113016	691870	92409		2.0	4.0										
101304	L1113017	691870	92409		4.0	6.0										
101305	L1113018	691882	92387		0.0	1.0					200.000	13		17.000	1.3	
101305	L1113019	691882	92387		1.0	2.0										
101305	L1113020	691882	92387		2.0	4.0										
101305	L1113021	691882	92387		4.0	6.0										
101306	L1113024	691889	94486		1.0	2.0										
101307	L1113023	691900	92319		1.0	2.0										
101307	L1113027	691900	92319		0.0	1.0					150.000	13		17.000	1.3	
101307	L1113028	691900	92319		1.0	2.0										
101308	L11130035	691875	92309		4.0	6.0										
101308	L1113031	691875	92309		0.0	1.0					200.000	12		12.000	1.2	
101308	L1113032	691875	92309		1.0	2.0										
101308	L1113033	691875	92309		2.0	4.0										
101308	L1113034	691875	92309		2.0	4.0										
101309	L1113036	691881	92297		0.0	1.0					210.000	12		12.000	1.2	
101309	L1113037	691881	92297		1.0	2.0										
101309	L1113038	691881	92297		2.0	4.0										
101309	L1113039	691881	92297		4.0	6.0										
101401	L1114001	691797	92489		0.0	1.0					130.000	13		15.000	1.3	
101401	L1114002	691797	92489		1.0	2.0										
101401	L1114003	691797	92489		2.0	4.0										
101401	L1114004	691797	92489		4.0	6.0										
101402	L1114005	691814	92487		0.0	1.0					140.000	13		94.000	1.3	
101402	L1114006	691814	92487		1.0	2.0										
101402	L1114007	691814	92487		2.0	4.0										
101402	L1114008	691814	92487		4.0	6.0										
101501	L1115001	691936	92124		0.0	1.0					250.000	13		19.000	1.3	
101501	L1115002	691936	92124		1.0	2.0										
101501	L1115003	691936	92124		2.0	4.0										
101501	L1115004	691936	92124		4.0	6.0										
101502	L1115005	691916	92117		0.0	1.0					160.000	13		24.000	1.3	
101502	L1115006	691916	92117		1.0	2.0										
101502	L1115007	691916	92117		2.0	4.0										
101502	L1115008	691916	92117		4.0	6.0										
101503	L1115009	691925	92088		0.0	1.0					200.000	13		22.000	1.3	
101503	L1115010	691925	92088		1.0	2.0										
101503	L1115011	691925	92088		2.0	4.0										
101503	L1115012	691925	92088		4.0	6.0										
101504	L1115014	691931	92075		0.0	1.0					110.000	12		20.000	1.2	
101504	L1115015	691931	92075		1.0	2.0										

Table C-4c. All Post-Remedy Soil Data for Select Metals Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Barium			Chromium		
											Result	DL	VQ	Result	DL	VQ
101504	L1115016	691931	92075		2.0	4.0										
101504	L1115017	691931	92075		4.0	6.0										
101505	L1115018	691943	92106		0.0	1.0					220.000	13		16.000	1.3	
101505	L1115019	691943	92106		1.0	2.0										
101505	L1115020	691943	92106		2.0	4.0										
101505	L1115021	691943	92106		4.0	6.0										
101506	L1115022	691950	92080		0.0	1.0					200.000	13		17.000	1.3	
101506	L1115023	691950	92080		1.0	2.0										
101506	L1115024	691950	92080		2.0	4.0										
101506	L1115025	691950	92080		4.0	6.0										
101601	L1116001	692018	92532		1.0	2.0										
101602	L1116002	692025	92510		1.0	2.0										
101604	L1116005	692012	92535		1.0	2.0										
101605	L1116006	692003	92526		1.0	2.0										
101605	L1116007	692003	92526		1.0	2.0										
101901	L1119001	691756	92245		0.0	1.0					350.000	13		20.000	1.3	
101901	L1119002	691756	92245		1.0	2.0										
101901	L1119003	691756	92245		2.0	4.0										
101901	L1119004	691756	92245		4.0	6.0										
101902	L1119005	691701	92291		0.0	1.0					170.000	13		17.000	1.3	
101902	L1119006	691701	92291		1.0	2.0										
101902	L1119007	691701	92291		2.0	4.0										
101902	L1119008	691701	92291		4.0	6.0										
101903	L1119011	691682	92349		0.0	1.0					170.000	13		16.000	1.3	
101903	L1119012	691682	92349		1.0	2.0										
101903	L1119013	691682	92349		2.0	4.0										
101903	L1119014	691682	92349		4.0	6.0										
101904	L1119015	691752	92256		0.0	1.0					200.000	13		18.000	1.3	
101904	L1119016	691752	92256		1.0	2.0										
101904	L1119017	691752	92256		2.0	4.0										
101904	L1119018	691752	92256		4.0	6.0										
101905	L1119019	691756	92280		0.0	1.0					190.000	13		17.000	1.3	
101905	L1119020	691756	92280		1.0	2.0										
101905	L1119021	691756	92280		2.0	4.0										
101905	L1119022	691756	92280		4.0	6.0										
103601	L1136001	691816	93159		0.0	1.0					180.000	12		15.000	1.2	
103601	L1136002	691816	93159		1.0	2.0										
103601	L1136003	691816	93159		2.0	4.0										
103602	L1136004	691819	93152		0.0	1.0					150.000	11		10.000	1.1	
103602	L1136005	691819	93152		1.0	2.0										
103602	L1136006	691819	93152		2.0	4.0										

Table C-4c. All Post-Remedy Soil Data for Select Metals Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Barium			Chromium		
											Result	DL	VQ	Result	DL	VQ
103603	L1136007	691811	93151		0.0	1.0					220.000	14		17.000	1.4	
103603	L1136008	691811	93151		1.0	2.0										
103603	L1136009	691811	93151		2.0	4.0										
104001	L1140001	691989	92970		0.0	1.0					120.000	12		18.000	1.2	
104001	L1140002	691989	92970		1.0	2.0										
104001	L1140003	691989	92970		2.0	4.0										
104001	L1140004	691989	92970		4.0	6.0										
104002	L1140005	691966	92968		0.0	1.0					220.000	13		18.000	1.3	
104002	L1140007	691966	92968		1.0	2.0										
104002	L1140008	691966	92968		2.0	4.0										
104002	L1140009	691966	92968		4.0	6.0										
104003	L1140010	692020	92953		0.0	1.0					150.000	13		25.000	1.3	
104003	L1140011	692020	92953		0.0	1.0										
104003	L1140013	692020	92953		2.0	4.0										
104003	L1140014	692020	92953		4.0	6.0										
104004	L1140015	691950	92925		0.0	1.0					180.000	13		20.000	1.3	
104004	L1140016	691950	92925		1.0	2.0										
104004	L1140017	691950	92925		2.0	4.0										
104004	L1140018	691950	92925		4.0	6.0										
104005	L1140006	692034	92912		2.0	4.0										
104005	L1140020	692034	92912		0.0	1.0					170.000	13		23.000	1.3	
104005	L1140021	692034	92912		1.0	2.0										
104005	L1140022	692034	92912		2.0	4.0										
104005	L1140023	692034	92912		4.0	6.0										
104006	L1140024	692023	92873		0.0	1.0					150.000	13		14.000	1.3	
104006	L1140025	692023	92873		1.0	2.0										
104006	L1140026	692023	92873		2.0	4.0										
104006	L1140027	692023	92873		4.0	6.0										
104007	L1140028	691983	92874		0.0	1.0					170.000	12		14.000	1.2	
104007	L1140029	691983	92874		1.0	2.0										
104007	L1140030	691983	92874		2.0	4.0										
105001	L1150001	691709	92844		1.0	2.0										
105001	L1150002	691709	92844		2.0	4.0										
105001	L1150003	691709	92844		4.0	6.0										
105003	L1150007	691689	92828		0.0	1.0					160.000	13		15.000	1.3	
105003	L1150008	691689	92828		1.0	2.0										
105003	L1150009	691689	92828		2.0	4.0										
105003	L1150010	691689	92828		4.0	6.0										
105004	L1150011	691716	92826		0.0	1.0					170.000	13		15.000	1.3	
105004	L1150012	691716	92826		1.0	2.0										
105004	L1150013	691716	92826		2.0	4.0										

Table C-4c. All Post-Remedy Soil Data for Select Metals Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Barium			Chromium		
											Result	DL	VQ	Result	DL	VQ
105004	L1150014	691716	92826		4.0	6.0										
105301	L1153001	692136	92161		1.0	2.0										
105301	L1153001A	692136	92161		0.0	1.0					170.000	13		17.000	1.3	
105301	L1153003	692136	92161		2.0	4.0										
105301	L1153004	692136	92161		4.0	6.0										
105302	L1153002	692145	92145		0.0	1.0					160.000	12		16.000	1.2	
105302	L1153005	692145	92145		1.0	2.0										
105302	L1153005A	692145	92145		0.0	1.0					180.000	13		17.000	1.3	
105302	L1153006	692145	92145		2.0	4.0										
105302	L1153007	692145	92145		4.0	6.0										
105303	L1153008	692108	92140		1.0	2.0										
105303	L1153008A	692108	92140		0.0	1.0					140.000	12		14.000	1.2	
105303	L1153009	692108	92140		2.0	4.0										
105303	L1153010	692108	92140		4.0	6.0										
106002	L1160006	691662	92877		0.0	1.0					400.000	12		16.000	1.2	
106002	L1160007	691662	92877		1.0	2.0										
106002	L1160008	691662	92877		2.0	4.0										
106002	L1160009	691662	92877		4.0	6.0										
106003	L1160010	691680	92888		0.0	1.0					210.000	11		6.700	1.1	
106003	L1160011	691680	92888		1.0	2.0										
106003	L1160012	691680	92888		2.0	4.0										
106003	L1160013	691680	92888		4.0	6.0										
106003	L1160014	691680	92888		4.0	6.0										
106004	L1160015	691680	92900		0.0	1.0					220.000	13		270.000	1.3	
106004	L1160016	691680	92900		1.0	2.0										
106004	L1160017	691680	92900		2.0	4.0										
106004	L1160019	691680	92900		4.0	6.0										
106101	L1161001	691947	93086		0.0	1.0					140.000	12		13.000	1.2	
106101	L1161002	691947	93086		1.0	2.0										
106101	L1161003	691947	93086		2.0	4.0										
106101	L1161004	691947	93086		4.0	6.0										
106102	L1161005	691909	93057		0.0	1.0					200.000	13		16.000	1.3	
106102	L1161006	691909	93057		1.0	2.0										
106102	L1161007	691909	93057		1.0	2.0										
106102	L1161008	691909	93057		2.0	4.0										
106102	L1161009	691909	93057		4.0	6.0										
106104	L1161014	691956	93011		0.0	1.0					250.000	13		17.000	1.3	
106104	L1161015	691956	93011		1.0	2.0										
106104	L1161016	691956	93011		2.0	4.0										
106104	L1161017	691956	93011		4.0	6.0										
106301	L1163009	692099	92970		0.0	1.0					160.000	14		13.000	1.4	

Table C-4c. All Post-Remedy Soil Data for Select Metals Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Barium			Chromium		
											Result	DL	VQ	Result	DL	VQ
106301	L1163010	692099	92970		1.0	2.0										
106301	L1163011	692099	92970		2.0	4.0										
106301	L1163012	692099	92970		4.0	6.0										
106302	L1163013	692094	92997		0.0	1.0					75.000	13		8.700	1.3	
106302	L1163015	692094	92997		2.0	4.0										
106302	L1163016	692094	92997		4.0	6.0										
106303	L1163017	692099	93024		0.0	1.0					70.000	12		7.100	1.2	
106303	L1163018	692099	93024		1.0	2.0										
106303	L1163019	692099	93024		2.0	4.0										
106303	L1163020	692099	93024		4.0	6.0										
106304	L1163021	692101	93040		0.0	1.0					48.000	14		11.000	1.4	
106304	L1163022	692101	93040		1.0	2.0										
106304	L1163023	692101	93040		2.0	4.0										
106304	L1163024	692101	93040		4.0	6.0										
106305	L1163025	692073	93131		0.0	1.0					290.000	14		16.000	1.4	
106305	L1163026	692073	93131		1.0	2.0										
106305	L1163027	692073	93131		1.0	2.0										
106305	L1163028	692073	93131		2.0	4.0										
106305	L1163029	692073	93131		4.0	6.0										
106306	L1163030	692055	93147		0.0	1.0					130.000	13		12.000	1.3	
106306	L1163031	692055	93147		1.0	2.0										
106306	L1163032	692055	93147		2.0	4.0										
106306	L1163033	692055	93147		4.0	6.0										
106307	L1163034	692088	93113		0.0	1.0					250.000	12		14.000	1.2	
106307	L1163035	692088	93113		1.0	2.0										
106307	L1163036	692088	93113		2.0	4.0										
106307	L1163037	692088	93113		4.0	6.0										
106308	L1163038	692094	93102		0.0	1.0					270.000	13		20.000	1.3	
106308	L1163039	692094	93102		1.0	2.0										
106308	L1163040	692094	93102		2.0	4.0										
106308	L1163041	692094	93102		4.0	6.0										
106401	L1164001	692022	93174		0.0	1.0					19.000	13		2.800	1.3	
106401	L1164002	692022	93174		1.0	2.0										
106401	L1164003	692022	93174		2.0	4.0										
106401	L1164004	692022	93174		4.0	6.0										
106401	L1164018	692022	93174		0.0	1.0					23.000	12		2.800	1.2	
106402	L1164005	692011	93185		0.0	1.0					25.000	13		3.100	1.3	
106402	L1164006	692011	93185		4.0	6.0										
106402	L1164007	692011	93185		2.0	4.0										
106402	L1164008	692011	93185		4.0	6.0										
106403	L1164009	692000	93195		0.0	1.0					110.000	12		11.000	1.2	

Table C-4c. All Post-Remedy Soil Data for Select Metals Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Barium			Chromium		
											Result	DL	VQ	Result	DL	VQ
106403	L1164010	692000	93195		1.0	2.0										
106403	L1164011	692000	93195		2.0	4.0										
106403	L1164012	692000	93195		4.0	6.0										
106403	L1164013	692000	93195		4.0	6.0										
106404	L1164014	691970	93215		2.0	4.0					180.000	13		13.000	1.3	
106404	L1164015	691970	93215		1.0	2.0										
106404	L1164016	691970	93215		2.0	4.0										
106404	L1164017	691970	93215		4.0	6.0										
106501	L1165001	692089	92859		0.0	1.0					14.000	11		1.100	1.1	U
106501	L1165002	692089	92859		1.0	2.0										
106501	L1165003	692089	92859		2.0	4.0										
106501	L1165004	692089	92859		4.0	6.0										
106501	L1165005	692089	92859		4.0	6.0										
106502	L1165006	692086	92848		0.0	1.0					140.000	13		14.000	1.3	
106502	L1165007	692086	92848		1.0	2.0										
106502	L1165008	692086	92848		2.0	4.0										
106502	L1165009	692086	92848		4.0	6.0										
106503	L1165010	692175	92980		0.0	1.0					150.000	13		11.000	1.3	
106503	L1165011	692175	92980		1.0	2.0										
106503	L1165012	692175	92980		2.0	4.0										
106503	L1165013	692175	92980		4.0	6.0										
106503	L1165030	692175	92980		1.0	2.0										
106504	L1165014	692161	92912		0.0	1.0					170.000	13		12.000	1.3	
106504	L1165015	692161	92912		1.0	2.0										
106504	L1165016	692161	92912		2.0	4.0										
106504	L1165017	692161	92912		4.0	6.0										
106505	L1165018	692194	92823		0.0	1.0					200.000	13		12.000	1.3	
106505	L1165019	692194	92823		1.0	2.0										
106505	L1165020	692194	92823		2.0	4.0										
106505	L1165021	692194	92823		4.0	6.0										
106506	L1165022	692273	92884		0.0	1.0					250.000	13		13.000	1.3	
106506	L1165023	692273	92884		1.0	2.0										
106506	L1165024	692273	92884		2.0	4.0										
106506	L1165025	692273	92884		4.0	6.0										
106507	L1165026	692267	92904		0.0	1.0					160.000	12		16.000	1.2	
106507	L1165027	692267	92904		1.0	2.0										
106507	L1165028	692267	92904		2.0	4.0										
106507	L1165029	692267	92904		4.0	6.0										
106507	L1165031	692267	92904		0.0	1.0					120.000	12		8.100	1.2	
106601	L1166001	691723	92395		0.0	1.0					140.000	13		15.000	1.3	
106601	L1166002	691723	92395		1.0	2.0										

Table C-4c. All Post-Remedy Soil Data for Select Metals Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Barium			Chromium		
											Result	DL	VQ	Result	DL	VQ
106601	L1166003	691723	92395		2.0	4.0										
106601	L1166004	691723	92395		4.0	6.0										
106602	L1166007	691680	92381		0.0	1.0					110.000	17		15.000	1.7	
106602	L1166008	691680	92381		1.0	2.0										
106602	L1166009	691680	92381		2.0	4.0										
106602	L1166010	691680	92381		4.0	6.0										
106701	L1167001	691949	93193		0.0	1.0					150.000	12		12.000	1.2	
106701	L1167002	691949	93193		1.0	2.0										
106701	L1167003	691949	93193		2.0	4.0										
106701	L1167004	691949	93193		4.0	6.0										
106702	L1167005	691953	93162		0.0	1.0					160.000	13		14.000	1.3	
106702	L1167006	691953	93162		1.0	2.0										
106702	L1167007	691953	93162		1.0	2.0										
106702	L1167008	691953	93162		4.0	6.0										
106703	L1167009	691973	93141		0.0	1.0					160.000	12		13.000	1.2	
106703	L1167010	691973	93141		1.0	2.0										
106703	L1167011	691973	93141		2.0	4.0										
106703	L1167012	691973	93141		4.0	6.0										
107001	L1170001	691981	92458		0.0	1.0					200.000	12		18.000	1.2	
107001	L1170002	691981	92458		1.0	2.0										
107001	L1170003	691981	92458		2.0	4.0										
107001	L1170004	691981	92458		4.0	6.0										
107002	L1170005	691961	92498		0.0	1.0					340.000	14		16.000	1.4	
107002	L1170006	691961	92498		1.0	2.0										
107002	L1170007	691961	92498		2.0	4.0										
107002	L1170008	691961	92498		4.0	6.0										
107004	L1170014	691976	92478		0.0	1.0					230.000	12		15.000	1.2	
107004	L1170015	691976	92478		1.0	2.0										
107004	L1170016	691976	92478		2.0	4.0										
107004	L1170017	691976	92478		4.0	6.0										
107101	L1171001	691874	92664		0.0	1.0					210.000	12		18.000	1.2	
107101	L1171002	691874	92664		1.0	2.0										
107101	L1171003	691874	92664		2.0	4.0										
107101	L1171004	691874	92664		4.0	6.0										
107201	L1172001	691875	92586		0.0	1.0					210.000	13		17.000	1.3	
107201	L1172002	691875	92586		1.0	2.0										
107201	L1172003	691875	92586		2.0	4.0										
107201	L1172004	691875	92586		4.0	6.0										
107201	L1172005	691875	92586		4.0	6.0										
107303	L1173009	691882	92517		0.0	1.0					160.000	18		28.000	1.8	
107303	L1173010	691882	92517		1.0	2.0										

Table C-4c. All Post-Remedy Soil Data for Select Metals Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Barium			Chromium		
											Result	DL	VQ	Result	DL	VQ
107303	L1173011	691882	92517		2.0	4.0										
107303	L1173012	691882	92517		4.0	6.0										
107304	L1173013	691895	92491		0.0	1.0					180.000	12		17.000	1.2	
107304	L1173014	691895	92491		1.0	2.0										
107304	L1173015	691895	92491		2.0	4.0										
107304	L1173016	691895	92491		4.0	6.0										
107305	L1173017	691925	92475		0.0	1.0					150.000	13		19.000	1.3	
107305	L1173018	691925	92475		1.0	2.0										
107305	L1173019	691925	92475		2.0	4.0										
107305	L1173020	691925	92475		4.0	6.0										
107401	L1174001	691962	92425		0.0	1.0					190.000	13		17.000	1.3	
107401	L1174002	691962	92425		1.0	2.0										
107401	L1174003	691962	92425		2.0	4.0										
107401	L1174004	691962	92425		4.0	6.0										
107501	L1175001	691970	92319		0.0	1.0					220.000	13		15.000	1.3	
107501	L1175002	691970	92319		1.0	2.0										
107501	L1175003	691970	92319		2.0	4.0										
107501	L1175004	691970	92319		4.0	6.0										
107601	L1176001	691995	92243		0.0	1.0					270.000	13		30.000	1.3	
107601	L1176002	691995	92243		1.0	2.0										
107601	L1176003	691995	92243		1.0	2.0										
107601	L1176004	691995	92243		2.0	4.0										
107601	L1176005	691995	92243		4.0	6.0										
107701	L1177001	691839	93355		0.0	1.0					190.000	14		200.000	1.4	
107701	L1177002	691839	93355		1.0	2.0										
107701	L1177003	691839	93355		2.0	4.0										
107701	L1177004	691839	93355		4.0	6.0										
108501	L1185001	692145	93053		0.0	1.0					130.000	12		10.000	1.2	
108501	L1185002	692145	93053		1.0	2.0										
108501	L1185003	692145	93053		2.0	4.0										
108501	L1185004	692145	93053		4.0	6.0										
108502	L1185005	692193	93114		0.0	1.0					130.000	12		9.800	1.2	
108502	L1185006	692193	93114		1.0	2.0										
108502	L1185007	692193	93114		1.0	2.0										
108502	L1185009	692193	93114		4.0	6.0										
110001	L11100001	691889	92747		0.0	1.0					200.000	15		21.000	1.5	
110001	L11100002	691889	92747		1.0	2.0										
110001	L11100003	691889	92747		2.0	4.0										
110001	L11100004	691889	92747		2.0	4.0										
110003	L11100009	691958	92733		4.0	6.0										
110003	L11100010	691958	92733		0.0	1.0					170.000	12		18.000	1.2	

Table C-4c. All Post-Remedy Soil Data for Select Metals Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Barium			Chromium		
											Result	DL	VQ	Result	DL	VQ
110003	L11100011	691958	92733		1.0	2.0										
110003	L11100012	691958	92733		1.0	2.0										
110003	L11100013	691958	92733		2.0	4.0										
110003	L11100014	691958	92733		4.0	6.0										
110021	L111002001	691703	92269		0.0	1.0					170.000	13		17.000	1.3	
110021	L111002002	691703	92269		0.0	1.0					190.000	13		14.000	1.3	
110021	L111002003	691703	92269		1.0	2.0										
110021	L111002004	691703	92269		2.0	4.0										
110021	L111002005	691703	92269		4.0	6.0										
110021	L111002006	691703	92269		4.0	6.0										
112421	L11124001	691974	93402		1.0	2.0										
112421	L11124002	691974	93402		2.0	4.0										
112421	L11124003	691974	93402		4.0	6.0										
112422	L11124004	691977	93392		1.0	2.0										
112422	L11124005	691977	93392		2.0	4.0										
112422	L11124006	691977	93392		4.0	6.0										
112423	L11124007	691956	93454		1.0	2.0										
112423	L11124008	691956	93454		2.0	4.0										
112423	L11124009	691956	93454		4.0	6.0										
112901	L11129001	691933	93378		1.0	2.0										
112901	L11129002	691933	93378		2.0	4.0										
112901	L11129003	691933	93378		4.0	6.0										
112902	L11129004	691961	93373		1.0	2.0										
112902	L11129005	691961	93373		2.0	4.0										
112902	L11129006	691961	93373		2.0	4.0										
112903	L11129007	691939	93367		1.0	2.0										
112903	L11129008	691939	93367		2.0	4.0										
112903	L11129009	691939	93367		4.0	6.0										
115201	L11152001	691670	93440		1.0	2.0										
115201	L11152002	691670	93440		2.0	4.0										
115202	L11152003	691677	93430		1.0	2.0										
115202	L11152004	691677	93430		2.0	4.0										
115203	L11152005	691655	93409		1.0	2.0										
115203	L11152006	691655	93409		2.0	4.0										
115204	L11152007	691646	93444		1.0	2.0										
115204	L11152008	691646	93444		2.0	4.0										
115205	L11152009	691681	93484		1.0	2.0										
115205	L11152009DL	691681	93484		1.0	2.0										
115205	L11152011	691681	93484		2.0	4.0										
115206	L11152012	691648	93431		1.0	2.0										
115206	L11152013	691648	93431		2.0	4.0										

Table C-4c. All Post-Remedy Soil Data for Select Metals Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Barium			Chromium		
											Result	DL	VQ	Result	DL	VQ
115207	L11152014	691651	93420		1.0	2.0										
115207	L11152015	691651	93420		2.0	4.0										
115501	L11155001	691829	92890		0.0	1.0					170.000	13		210.000	1.3	
115501	L11155002	691829	92890		1.0	2.0										
115501	L11155003	691829	92890		2.0	4.0										
115501	L11155004	691829	92890		4.0	6.0										
115501	L11155005	691829	92890		4.0	6.0										
115502	L11155006	691921	92626		0.0	1.0					200.000	12		62.000	1.2	
115502	L11155007	691921	92626		1.0	2.0										
115502	L11155008	691921	92626		2.0	4.0										
115502	L11155009	691921	92626		4.0	6.0										
115503	L11155010	692016	92333		0.0	1.0					180.000	12		18.000	1.2	
115503	L11155011	692016	92333		1.0	2.0										
115503	L11155012	692016	92333		2.0	4.0										
116901	L11169001	691798	92297		0.0	1.0										
116901	L11169002	691798	92297		1.0	2.0										
116902	L11169003	691703	93210		0.0	1.0										
116902	L11169004	691703	93210		1.0	2.0										
116903	L11169005	691920	92946		0.0	1.0										
116903	L11169006	691920	92946		1.0	2.0										
116904	L11169007	691946	92866		0.0	1.0										
116904	L11169008	691946	92866		1.0	2.0										
116905	L11169009	692120	92125		0.0	1.0										
116905	L11169010	692120	92125		1.0	2.0										
116906	L11169011	692028	92646		1.0	2.0										
116907	L11169013	692114	92355		0.0	1.0										
116907	L11169014	692114	92355		1.0	2.0										
116908	L11169016	692066	92273		0.0	1.0										
116908	L11169017	692066	92273		1.0	2.0										
116909	L11169018	691757	92233		0.0	1.0										
116909	L11169019	691757	92233		1.0	2.0										
116910	L11169020	691979	93373		0.0	1.0										
116910	L11169021	691979	93373		1.0	2.0										
116911	L11169022	691769	93328		0.0	1.0										
116911	L11169023	691769	93328		1.0	2.0										
116912	L11169024	691863	93415		0.0	1.0										
116912	L11169025	691863	93415		1.0	2.0										
116913	L11169026	691701	92898		0.0	1.0										
116913	L11169027	691701	92898		1.0	2.0										
116914	L11169028	691725	93411		0.0	1.0										
116914	L11169028DL	691725	93411		0.0	1.0										

Table C-4c. All Post-Remedy Soil Data for Select Metals Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Barium			Chromium		
											Result	DL	VQ	Result	DL	VQ
116914	L11169029	691725	93411		1.0	2.0										
116914	L11169029DL	691725	93411		1.0	2.0										
116915	L11169030	691883	93355		0.0	1.0										
116915	L11169031	691883	93355		0.0	1.0										
116916	L11169032	692204	93063		0.0	1.0										
116916	L11169033	692204	93063		0.0	1.0										
116916	L11169034	692204	93063		1.0	2.0										
116917	L11169035	691698	92263		0.0	1.0										
116917	L11169036	691698	92263		1.0	2.0										
116918	L11169037	691949	93168		0.0	1.0										
116918	L11169038	691949	93168		1.0	2.0										
116919	L11169039	692104	92656		0.0	1.0										
116919	L11169040	692104	92656		1.0	2.0										
116920	L11169041	691813	92098		0.0	1.0										
116920	L11169042	691813	92098		1.0	2.0										
116920	L11169043	691813	92098		1.0	2.0										
116921	L11169044	692141	92572		0.0	1.0										
116921	L11169045	692141	92572		1.0	2.0										
116922	L11169046	692089	92779		0.0	1.0										
116922	L11169047	692089	92779		1.0	2.0										
116925	L11169052	691675	93311		0.0	1.0										
116925	L11169053	691675	93311		1.0	2.0										
160302	L1163014	692094	92997		1.0	2.0										
163701	L1163001	691731	92351		0.0	1.0					200.000	14		19.000	1.4	
163701	L1163002	691731	92351		1.0	2.0										
163701	L1163003	691731	92351		2.0	4.0										
163701	L1163004	691731	92351		4.0	6.0										
163702	L1163005	691759	92309		0.0	1.0					140.000	16		14.000	1.6	
163702	L1163006	691759	92309		1.0	2.0										
163702	L1163007	691759	92309		2.0	4.0										
163702	L1163008	691759	92309		4.0	6.0										
10DD01	L110DD001	691669	93262		0.0	1.0					140.000	12		16.000	1.2	
10DD01	L110DD002	691669	93262		1.0	2.0										
10DD01	L110DD003	691669	93262		2.0	4.0										
10DD01	L110DD004	691669	93262		4.0	6.0										
10DD02	L110DD005	691641	93234		0.0	1.0					170.000	14		19.000	1.4	
10DD02	L110DD006	691641	93234		1.0	2.0										
10DD02	L110DD007	691641	93234		2.0	4.0										
10DD02	L110DD008	691641	93234		4.0	6.0										
10DD03	L110DD009	691565	93119		0.0	1.0					440.000	13		29.000	1.3	
10DD03	L110DD010	691565	93119		1.0	2.0										

Table C-4c. All Post-Remedy Soil Data for Select Metals Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Barium			Chromium		
											Result	DL	VQ	Result	DL	VQ
10DD03	L110DD011	691565	93119		2.0	4.0										
10DD03	L110DD012	691565	93119		4.0	6.0										
10DD04	L110DD013	691508	93081		0.0	1.0					160.000	13		14.000	1.3	
10DD04	L110DD014	691508	93081		1.0	2.0										
10DD04	L110DD015	691508	93081		2.0	4.0										
10DD04	L110DD016	691508	93081		2.0	4.0										
10DD04	L110DD017	691508	93081		4.0	6.0										
10DD05	L110DD018	691525	93099		0.0	1.0					220.000	14		19.000	1.4	
10DD05	L110DD019	691525	93099		1.0	2.0										
10DD07	L110DD026	691660	93153		0.0	1.0					140.000	12		13.000	1.2	
10DD07	L110DD027	691660	93153		1.0	2.0										
10DD07	L110DD028	691660	93153		2.0	4.0										
10DD07	L110DD029	691660	93153		4.0	6.0										
10DD09	L110DD034	691861	92762		0.0	1.0					300.000	13		18.000	1.3	
10DD09	L110DD035	691861	92762		1.0	2.0										
10DD09	L110DD036	691861	92762		2.0	4.0										
10DD09	L110DD037	691861	92762		4.0	6.0										
10DD10	L110DD038	691839	92768		0.0	1.0					160.000	14		23.000	1.4	
10DD10	L110DD039	691839	92768		0.0	1.0					170.000	14		21.000	1.4	
10DD10	L110DD040	691839	92768		1.0	2.0										
10DD10	L110DD041	691839	92768		2.0	4.0										
10DD10	L110DD042	691839	92768		4.0	6.0										
10DD11	L110DD043	691762	92784		0.0	1.0					180.000	15		100.000	1.5	
10DD11	L110DD044	691762	92784		1.0	2.0										
10DD11	L110DD045	691762	92784		1.0	2.0										
10DD11	L110DD046	691762	92784		2.0	4.0										
10DD11	L110DD047	691762	92784		4.0	6.0										
10DD12	L110DD048	691726	92790		0.0	1.0					140.000	14		14.000	1.4	
10DD12	L110DD049	691726	92790		1.0	2.0										
10DD12	L110DD050	691726	92790		2.0	4.0										
10DD12	L110DD051	691726	92790		4.0	6.0										
10DD13	L110DD052	691627	92701		0.0	1.0					120.000	13		14.000	1.3	
10DD13	L110DD053	691627	92701		1.0	2.0										
10DD13	L110DD054	691627	92701		2.0	4.0										
10DD13	L110DD055	691627	92701		4.0	6.0										
10DD14	L110DD056	691617	92673		0.0	1.0					160.000	13		13.000	1.3	
10DD14	L110DD057	691617	92673		1.0	2.0										
10DD14	L110DD058	691617	92673		2.0	4.0										
10DD14	L110DD059	691617	92673		4.0	6.0										
10DD15	L110DD060	691625	92545		0.0	1.0					70.000	12		6.900	1.2	
10DD15	L110DD061	691625	92545		1.0	2.0										

Table C-4c. All Post-Remedy Soil Data for Select Metals Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Barium			Chromium		
											Result	DL	VQ	Result	DL	VQ
10DD15	L110DD062	691625	92545		2.0	4.0										
10DD15	L110DD063	691625	92545		4.0	6.0										
10DD16	L110DD065	691588	92546		1.0	2.0										
10DD16	L110DD066	691588	92546		2.0	4.0										
10DD16	L110DD067	691588	92546		4.0	6.0										
10DD17	L110DD069	691547	92435		1.0	2.0										
10DD17	L110DD070	691547	92435		2.0	4.0										
10DD17	L110DD071	691547	92435		4.0	6.0										
10DD17	L110DD072	691547	92435		4.0	6.0										
10DD18	L110DD074	691582	92419		1.0	2.0										
10DD18	L110DD075	691582	92419		2.0	4.0										
10DD18	L110DD076	691582	92419		4.0	6.0										
10DD19	L110DD077	691678	92547		0.0	1.0						12,000.000	740		190.000	1.5
10DD19	L110DD078DL	691678	92547		1.0	2.0										
10DD19	L110DD079DL	691678	92547		2.0	4.0										
10DD20	L110DD081	691806	92511		0.0	1.0						120.000	13		14.000	1.3
10DD20	L110DD082	691806	92511		1.0	2.0										
10DD20	L110DD083	691806	92511		2.0	4.0										
10DD20	L110DD084	691806	92511		4.0	6.0										
10DD21	L110DD085	691838	92504		0.0	1.0						220.000	13		15.000	1.3
10DD21	L110DD086	691838	92504		1.0	2.0										
10DD21	L110DD087	691838	92504		2.0	4.0										
10DD21	L110DD088	691838	92504		4.0	6.0										
10DD22	L110DD089	691858	92111		0.0	1.0						190.000	13		16.000	1.3
10DD22	L110DD090	691858	92111		1.0	2.0										
10DD22	L110DD091	691858	92111		2.0	4.0										
10DD22	L110DD092	691858	92111		4.0	6.0										
10DD23	L110DD094	691798	92021		1.0	2.0										
10DD23	L110DD095	691798	92021		2.0	4.0										
10DD23	L110DD096	691798	92021		4.0	6.0										
10DD25	L110DD102	691742	92808		2.0	4.0						210.000	13		24.000	1.3
10DD25	L110DD103	691742	92808		1.0	2.0										
10DD25	L110DD104	691742	92808		2.0	4.0										
10DD25	L110DD105	691742	92808		4.0	6.0										
10DD26	L110DD106	691759	92856		0.0	1.0						680.000	13		30.000	1.3
10DD26	L110DD107	691759	92856		1.0	2.0										
10DD26	L110DD108	691759	92856		2.0	4.0										
10DD26	L110DD109	691759	92856		4.0	6.0										
10DD27	L110DD110	691918	91943		0.0	1.0						130.000	13		13.000	1.3
10DD27	L110DD111	691918	91943		1.0	2.0										
10DD27	L110DD112	691918	91943		2.0	4.0										

Table C-4c. All Post-Remedy Soil Data for Select Metals Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Barium			Chromium					
											Result	DL	VQ	Result	DL	VQ			
10DD27	L110DD113	691918	91943		4.0	6.0													
10DD28	L110DD115	691840	91886		1.0	2.0													
10DD28	L110DD116	691840	91886		2.0	4.0													
10DD28	L110DD117	691840	91886		4.0	6.0													
10DD29	L110DD131	691632	93305		0.0	1.0					230.000	13		15.000	1.3				
10DD29	L110DD132	691632	93305		1.0	2.0													
10DD29	L110DD133	691632	93305		2.0	4.0													
10DD29	L110DD134	691632	93305		4.0	6.0													
L1-E2-C001	IAAP112183						EU3	A	2	east wall BC 1 and 4	162.00	0.34	=	15.90	0.72	J			
L1-E2-C002	IAAP112184												south wall BC 1 and 2	165.00	0.34	=	22.20	0.72	J
L1-E2-C003	IAAP112185												west wall BC 2 and 3	202.00	0.37	=	17.30	0.77	J
L1-E2-C004	IAAP112186												north wall BC 3 and 4	183.00	0.34	=	21.60	0.71	J
L1-E2-C005	IAAP112187												floor of EXC	225.00	0.36	=	15.50	0.76	J
L1-E2-C006	IAAP112187-1												FD of IAAP112187	215.00	0.36	=	15.40	0.75	J
L1-E7-C001	IAAP112242						EU4	B & C	7 & 8	NW wall BC 1 and 2	120.00	0.35	=	13.20	0.72	=			
L1-E7-C002	IAAP112243												NE wall BC 1, 5, and 4	224.00	0.35	=	14.90	0.73	=
L1-E7-C003	IAAP112244												SW wall BC 3 and 4	197.00	0.37	=	16.80	0.77	=
L1-E7-C004	IAAP112245												SE wall BC 2 and 3	192.00	0.35	=	18.80	0.74	=
L1-E7-C005	IAAP112246												floor of EXC	243.00	0.35	=	16.70	0.74	=
L1-E10-C001	IAAP112253						EU4	E	10	north wall BC 12, 13, and 1	287.00	0.65	=	59.20	1.4	J			
L1-E10-C002	IAAP112254												east wall BC 1 and 2	317.00	0.65	=	35.40	1.4	J
L1-E10-C003	IAAP112255												south wall BC 6 and 7	212.00	0.66	=	87.20	1.4	J
L1-E10-C004	IAAP112256												west wall BC 11 and 12	444.00	0.65	=	170.00	1.4	J
L1-E10-C005	IAAP112257												floor of EXC	299.00	0.68	=	49.10	1.4	J
L1-E14-C001	IAAP112292						EU5	D	14	north wall BC 1 and 8	276.00	0.37	=	27.40	0.77	=			
L1-E14-C002	IAAP112293												east wall BC 1 and 2	302.00	0.37	=	21.10	0.78	=
L1-E14-C004	IAAP112295												west wall BC 7 and 8	243.00	0.38	=	19.40	0.79	=
L1-E14-C005	IAAP112296												floor of EXC	216.00	0.36	=	19.50	0.76	=
L1-E20-C001	IAAP112327						EU5	J	20	north wall BC 1 and 2	286.00	0.34	=	19.00	0.71	=			
L1-E20-C002	IAAP112328												east wall BC 2 and 3	203.00	0.34	=	20.10	0.7	=
L1-E20-C005	IAAP112328-1												FD of IAAP112328	200.00	0.34	=	21.00	0.72	=
L1-E20-C006	IAAP112330												floor of EXC	243.00	0.33	=	19.50	0.68	=

Notes:

VQ symbols indicate: “=” positive identification, positive quantitation, no reason to estimate, “U” non-detect, no reason to estimate, “J” positive identification, estimated quantitation, “UJ” analyte was not detected and had QC deficiencies.

Table C-4c. All Post-Remedy Soil Data for Select Metals Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Mercury			Selenium			
											Result	DL	VQ	Result	DL	VQ	
IAAP100000	IAAP100000	691723.44	93385.79	03/28/07	0	0.5											
IAAP100000	IAAP100001	691723.44	93385.79	03/28/07	0.5	1											
IAAP100002	IAAP100002	691726.92	93376.03	03/28/07	0	0.5											
IAAP100002	IAAP100003	691726.92	93376.03	03/28/07	0.5	1											
IAAP100004	IAAP100004	691732.81	93366.73	03/28/07	0	0.5											
IAAP100004	IAAP100005	691732.81	93366.73	03/28/07	0.5	1											
IAAP100006	IAAP100006	691735.81	93358.42	03/28/07	0	0.5											
IAAP100006	IAAP100007	691735.81	93358.42	03/28/07	0.5	1											
IAAP100008	IAAP100008	691739.66	93346.54	03/28/07	0	0.5											
IAAP100008	IAAP100009	691739.66	93346.54	03/28/07	0.5	1											
IAAP100031	IAAP100031	691727.31	93292.52	03/29/07	0	0.5											
IAAP100034	IAAP100034	691728.18	93296.62	03/29/07	0	0.5											
IAAP100046	IAAP100046	691996.61	93031.05	03/23/07	0	0.5						0.03	0.0086	=	0.66	0.22	=
IAAP136603	IAAP100047	691990.48	93027.37	03/23/07	0	0.5						0.02	0.0081	=	0.22	0.21	=
IAAP100048	IAAP100048	691996.18	93025.73	03/23/07	0	0.5						0.04	0.0087	=	0.70	0.23	=
IAAP100051	IAAP100051	691943.22	92732.92	04/16/07	0	0.5											
IAAP100051	IAAP100052	691943.22	92732.92	04/16/07	1	2											
IAAP100057	IAAP100057	691587.61	92871.04	04/12/07	0	0.5											
IAAP100058	IAAP100058	691571.87	92865.95	04/12/07	0	0.5											
IAAP100059	IAAP100059	691922.71	92626.5	04/15/07	0	0.5											
IAAP100060	IAAP100060	691917.77	92621.56	04/15/07	0	0.5											
IAAP100061	IAAP100061	691921.19	92615.5	04/15/07	0	0.5											
IAAP100062	IAAP100062	691693.75	92886.11	04/12/07	0	0.5											
IAAP100063	IAAP100063	691696.5	92877.2	04/12/07	0	0.5											
IAAP100064	IAAP100064	691689.05	92879.37	04/12/07	0	0.5											
IAAP100066	IAAP100066	691749.63	92654.13	04/12/07	0	0.5											
IAAP100068	IAAP100068	691682.18	92883.19	04/12/07	0	0.5											
IAAP100070	IAAP100070	691851.03	92973.78	04/12/07	0	0.5											
IAAP100071	IAAP100071	691694.48	92747.08	04/11/07	0	0.5											
IAAP100087	IAAP100087	691886.05	92824.82	04/16/07	0	0.5											
IAAP100000	IAAP100112	691723.44	93385.79	03/28/07	1	1.5											
IAAP100002	IAAP100113	691726.92	93376.03	03/28/07	1	1.5											
IAAP100004	IAAP100114	691732.81	93366.73	03/28/07	1	1.5											
IAAP100006	IAAP100115	691735.81	93358.42	03/28/07	1	1.5											
IAAP100008	IAAP100116	691739.66	93346.54	03/28/07	1	1.5											
IAAP103900	IAAP103900	691723.57	93391.67	05/29/07	0	0.5											
IAAP103900	IAAP103901	691723.57	93391.67	05/29/07	0.5	1											
IAAP103900	IAAP103902	691723.57	93391.67	05/29/07	1	1.5											
IAAP103900	IAAP103903	691723.57	93391.67	05/29/07	1.5	2											
IAAP103904	IAAP103904	691713.05	93388.24	05/29/07	0	0.5											
IAAP103904	IAAP103905	691713.05	93388.24	05/29/07	0.5	1											
IAAP103904	IAAP103906	691713.05	93388.24	05/29/07	1	1.5											

Table C-4c. All Post-Remedy Soil Data for Select Metals Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Mercury			Selenium		
											Result	DL	VQ	Result	DL	VQ
IAAP103904	IAAP103907	691713.05	93388.24	05/29/07	1.5	2										
IAAP103919	IAAP103919	692010.7	92873.76	05/30/07	0	0.5										
IAAP103932	IAAP103932	691887.23	92819.77	06/05/07	0	0.5										
IAAP103957	IAAP103957	691806.11	92492.32	05/31/07	0	0.5					0.05	0.0084	=	0.26	0.22	J
IAAP103958	IAAP103958	691801.39	92494.82	05/31/07	0	0.5					0.05	0.0083	=	0.51	0.21	J
IAAP103959	IAAP103959	691802	92486.1	05/31/07	0	0.5					0.05	0.0086	=	0.22	0.22	UJ
IAAP111608	IAAP111608	691729.54	93383.8	09/25/08	0	0.5					0.04	0.013	=	1.60	1.6	U
IAAP96976	IAAP111609	COMPOSITE	COMPOSITE	09/25/08	1	2					0.07	0.014	=	0.72	0.72	U
IAAP111627	IAAP111628	691996.16	93028.25	09/24/08	1	2					0.03	0.014	=	1.70	1.7	U
IAAP111631	IAAP111631	692000.12	93025.48	09/24/08	0	0.5					0.05	0.014	=	0.69	0.69	U
IAAP111633	IAAP111633	691947.6	92731.29	09/23/08	0	1					0.05	0.014	=	0.68	0.68	U
IAAP111634	IAAP111634	691942.06	92729.45	09/23/08	0	1					0.03	0.013	=	0.68	0.68	U
IAAP111635	IAAP111635	691936.94	92730.22	09/23/08	0	1					0.03	0.014	=	1.70	1.7	U
IAAP111652	IAAP111652	691848.62	92980.16	09/24/08	0	1					0.05	0.014	=	0.69	0.69	U
IAAP96925	IAAP96925	692027	92844.46	10/26/06	0	0.5					0.04	0.0094	=	0.99	0.24	=
IAAP96926	IAAP96926	692014.91	92844.8	10/26/06	0	0.5					0.04	0.0094	=	1.50	0.24	=
IAAP96927	IAAP96927	691998.35	92979.48	10/26/06	0	0.5					0.01	0.01	U	0.91	0.26	=
IAAP96928	IAAP96928	691998.35	92979.48	10/26/06	0	0.5					0.04	0.0093	=	0.85	0.24	=
IAAP96929	IAAP96929	691966.49	92969.51	10/26/06	0	0.5					0.04	0.0092	=	1.30	0.24	=
IAAP96935	IAAP96935	691894.02	93328.08	11/15/06	0	0.5					0.03	0.0076	=	0.98	0.98	U
IAAP96936	IAAP96936	COMPOSITE	COMPOSITE	11/15/06	0	0.5					0.05	0.009	=	1.30	0.23	=
IAAP96937	IAAP96937	COMPOSITE	COMPOSITE	11/13/06	0	0.5					0.03	0.0074	=	0.96	0.96	U
IAAP96938	IAAP96938	691840.29	93270.4	11/13/06	0	0.5					0.04	0.0089	=	0.87	0.23	=
IAAP96939	IAAP96939	691831.83	93298.23	11/13/06	0	0.5					0.02	0.0073	=	0.94	0.94	U
IAAP96940	IAAP96940	691832.3	93342.32	11/13/06	0	0.5					0.06	0.0076	=	0.98	0.98	U
IAAP96941	IAAP96941	691814.66	93317.23	11/13/06	0	0.5					0.46	0.0084	=	0.79	0.22	=
IAAP96942	IAAP96942	691838.97	93244.84	11/13/06	0	0.5					0.06	0.0084	=	0.87	0.22	=
IAAP96943	IAAP96943	691740.96	93451.82	11/14/06	0	0.5					0.14	0.0079	=	0.78	0.41	=
IAAP96944	IAAP96944	691700	93430.63	11/14/06	0	0.5					0.05	0.0083	=	0.51	0.43	=
IAAP96945	IAAP96945	691712.74	93499.75	11/14/06	0	0.5					0.98	0.0094	=	2.20	0.24	=
IAAP96949	IAAP96949	692113.04	93092.9	11/15/06	0	0.5					0.03	0.0083	=	1.00	0.22	=
IAAP96950	IAAP96950	COMPOSITE	COMPOSITE	11/15/06	0	0.5					0.03	0.0086	=	1.10	0.22	=
IAAP96951	IAAP96951	COMPOSITE	COMPOSITE	11/15/06	0	0.5					0.03	0.0083	=	0.71	0.21	=
IAAP96952	IAAP96952	692127.71	93042.61	11/15/06	0	0.5					0.02	0.0069	=	0.89	0.89	U
IAAP96953	IAAP96953	692116.38	93011.84	11/15/06	0	0.5					0.03	0.0081	=	0.96	0.21	=
IAAP96954	IAAP96954	692116.26	92981.47	11/15/06	0	0.5					0.04	0.0076	=	0.72	0.2	=
IAAP96959	IAAP96959	COMPOSITE	COMPOSITE	11/14/06	0	0.5					0.02	0.008	=	0.87	0.21	=
IAAP96961	IAAP96961	COMPOSITE	COMPOSITE	11/13/06	0	0.5					0.04	0.0083	=	0.64	0.21	=
IAAP96962	IAAP96962	COMPOSITE	COMPOSITE	11/13/06	0	0.5					0.03	0.0082	=	0.58	0.21	=
IAAP96963	IAAP96963	COMPOSITE	COMPOSITE	11/13/06	0	0.5					0.01	0.0077	U	0.85	0.2	=
IAAP96964	IAAP96964	691985.83	93063.1	11/13/06	0	0.5					0.06	0.0083	=	0.55	0.21	=

Table C-4c. All Post-Remedy Soil Data for Select Metals Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Mercury			Selenium		
											Result	DL	VQ	Result	DL	VQ
IAAP96967	IAAP96967	691937	93039	11/13/06	0	0.5					0.07	0.0071	=	0.91	0.91	U
IAAP96976	IAAP96976	COMPOSITE	COMPOSITE	11/14/06	0	0.5					0.30	0.0088	=	2.70	1.1	=
IAAP96977	IAAP96977	COMPOSITE	COMPOSITE	11/14/06	0	0.5					1.80	0.0099	=	1.20	0.26	=
IAAP96979	IAAP96979	691795.01	93119.57	11/14/06	0	0.5					0.20	0.0085	=	0.62	0.22	=
IAAP96980	IAAP96980	691808.87	93106.84	11/14/06	0	0.5					0.06	0.0072	=	0.93	0.93	U
IAAP96988	IAAP96988	691954.34	92114.71	11/14/06	0	0.5					0.01	0.0072	U	0.39	0.37	=
IAAP96989	IAAP96989	691876.63	92299.46	11/14/06	0	0.5					0.02	0.0082	=	0.67	0.21	=
IAAP96992	IAAP96992	COMPOSITE	COMPOSITE	11/14/06	0	0.5					0.02	0.0075	=	0.56	0.39	=
IAAP96994	IAAP96994	691857.33	92413.74	11/14/06	0	0.5					0.02	0.0076	=	0.65	0.2	=
IAAP96996	IAAP96996	COMPOSITE	COMPOSITE	11/14/06	0	0.5					0.04	0.0085	=	0.66	0.22	=
IAAP96997	IAAP96997	691844.39	92407.27	11/14/06	0	0.5					0.01	0.0076	=	0.97	0.97	U
IAAP96998	IAAP96998	691728	93303	11/14/06	0	0.5					0.04	0.0073	=	0.77	0.37	=
IAAP97000	IAAP97000	691786.4	93115.72	11/14/06	0	0.5					0.19	0.0089	=	1.20	0.23	=
IAAP97001	IAAP97001	691872	93010	12/18/06	0	0.5					0.24	0.0074	J	0.29	0.19	=
IAAP97002	IAAP97002	691884	93003	12/18/06	0	0.5					0.11	0.0071	J	0.18	0.18	U
IAAP97003	IAAP97003	691888	92995	12/18/06	0	0.5					0.13	0.0082	J	0.30	0.21	=
IAAP97008	IAAP97008	691894	92818	12/19/06	0	0.5					0.05	0.0086	J	0.71	0.22	=
IAAP97009	IAAP97009	691903	92823	12/19/06	0	0.5					0.12	0.0084	J	0.55	0.43	=
IAAP97010	IAAP97010	691891	92892	12/19/06	0	0.5					0.01	0.0084	UJ	1.10	0.22	=
IAAP97011	IAAP97011	691900	92879	12/19/06	0	0.5					0.01	0.0086	UJ	1.00	0.22	=
IAAP97012	IAAP97012	691889	92913	12/19/06	0	0.5					0.03	0.0087	J	0.54	0.22	=
IAAP97013	IAAP97013	691813	92905	12/18/06	0	0.5					0.04	0.0074	J	0.62	0.38	J
IAAP97016	IAAP97016	691683	92887	12/18/06	0	0.5					0.05	0.0088	J	0.58	0.23	=
IAAP97017	IAAP97017	691680	92894	12/18/06	0	0.5					0.03	0.008	J	0.32	0.21	=
IAAP97018	IAAP97018	691694	92881	12/18/06	0	0.5					0.12	0.0093	J	1.30	0.24	=
IAAP97019	IAAP97019	691689	92747	12/18/06	0	0.5					0.05	0.0089	J	0.93	0.23	=
IAAP97020	IAAP97020	691695	92744	12/18/06	0	0.5					0.03	0.0087	J	0.27	0.22	=
IAAP97021	IAAP97021	691719	92718	12/18/06	0	0.5					0.05	0.0091	J	0.76	0.23	=
IAAP97022	IAAP97022	691753	92650	12/18/06	0	0.5					0.03	0.0085	J	0.85	0.44	J
IAAP97023	IAAP97023	691750	92660	12/18/06	0	0.5					0.04	0.0093	J	0.89	0.24	=
IAAP97024	IAAP97024	691745	92709	12/18/06	0	0.5					0.03	0.0089	J	0.79	0.23	=
IAAP97030	IAAP97030	691973	92557	12/19/06	0	0.5					0.02	0.0081	J	0.47	0.21	=
IAAP97031	IAAP97031	691979	92543	12/19/06	0	0.5					0.01	0.0073	UJ	0.27	0.19	=
IAAP97032	IAAP97032	692030	92538	12/19/06	0	0.5					0.06	0.013	J	1.90	0.34	=
IAAP97033	IAAP97033	692033	92519	12/19/06	0	0.5					0.23	0.0071	J	0.18	0.18	U
IAAP97034	IAAP97034	692018	92535	12/20/06	0	0.5					0.03	0.0098	J	0.63	0.25	=
IAAP97049	IAAP97049	691998	92245	12/19/06	0	0.5					0.01	0.0088	J	0.86	0.23	=
IAAP98247	IAAP98247	691977	92312	12/19/06	0	0.5					0.08	0.0092	J	1.40	0.24	=
IAAP98256	IAAP98256	691757	92280	12/20/06	0	0.5					0.04	0.0087	J	1.10	0.45	=
IAAP98257	IAAP98257	691780	92253	12/20/06	0	0.5					0.04	0.0085	J	0.59	0.22	=
IAAP98259	IAAP98259	691921	92623	12/19/06	0	0.5					0.04	0.0076	J	1.90	1.9	U

Table C-4c. All Post-Remedy Soil Data for Select Metals Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Mercury			Selenium		
											Result	DL	VQ	Result	DL	VQ
IAAP98260	IAAP98260	691719	92537	12/18/06	0	0.5					0.01	0.0081	UJ	0.30	0.21	=
IAAP98261	IAAP98261	691626	92692	12/18/06	0	0.5					0.04	0.0082	J	1.40	0.42	J
IAAP98262	IAAP98262	691633	92751	12/18/06	0	0.5					0.02	0.0091	J	0.29	0.24	=
IAAP98263	IAAP98263	691582	92869	12/18/06	0	0.5					0.50	0.025	J	4.30	0.65	=
IAAP98264	IAAP98264	691518	93097	12/18/06	0	0.5					0.03	0.011	J	0.51	0.28	=
IAAP98273	IAAP98273	692131	92072.7	12/19/06	0	0.5					0.04	0.0086	J	0.55	0.22	=
IAAP98274	IAAP98274	691733.32	93424.71	12/20/06	0	0.5					0.79	0.0074	J	0.28	0.19	=
IAAP99927	IAAP99927	691811.29	92488.02	04/16/07	0	0.5					1.30	0.0085	J	0.29	0.22	=
IAAP99928	IAAP99928	691809.48	92485.81	04/16/07	0	0.5					0.03	0.0076	J	0.20	0.2	U
IAAP99929	IAAP99929	691815.02	92487.65	04/16/07	0	0.5					2.50	0.014	J	0.18	0.18	U
IAAP99930	IAAP99930	691811.29	92492.77	04/16/07	0	0.5					0.01	0.0071	J	0.91	0.91	U
100101	L1101001	691685	93330		0.0	1.0					0.034	0.12		0.960	1.2	
100101	L1101002	691685	93330		1.0	2.0										
100101	L1101003	691685	93330		2.0	4.0										
100101	L1101004	691685	93330		4.0	6.0										
100102	L1101005	691685	93369		0.0	1.0					0.020	0.13		0.890	0.65	
100102	L1101006	691685	93369		1.0	2.0										
100102	L1101007	691685	93369		2.0	4.0										
100102	L1101008	691685	93369		4.0	6.0										
100103	L1101009	691723	93308		0.0	1.0					0.003	0.11		0.540	0.54	U
100103	L1101010	691723	93308		1.0	2.0										
100103	L1101011	691723	93308		2.0	4.0										
100103	L1101012	691723	93308		4.0	6.0										
100201	L1102001	691824	93116		1.0	2.0										
100201	L1102002	691824	93116		2.0	4.0										
100202	L1102003	691834	93110		1.0	2.0										
100202	L1102004	691834	93110		2.0	4.0										
100203	L1102005	691839	93129		1.0	2.0										
100203	L1102006	691839	93129		2.0	4.0										
100204	L1102007	691851	93109		1.0	2.0										
100204	L1102008	691851	93109		2.0	4.0										
100205	L1102009	691838	93090		1.0	2.0										
100205	L1102010	691838	93090		2.0	4.0										
100205	L1102011	691838	93090		2.0	4.0										
100206	L1102012	691842	93123		1.0	2.0										
100206	L1102013	691842	93123		2.0	4.0										
100302	L1103005	691754	93117		0.0	1.0					0.041	0.13		1.000	0.66	
100302	L1103006	691754	93117		1.0	2.0										
100302	L1103007	691754	93117		2.0	4.0										
100302	L1103008	691754	93117		4.0	6.0										
100303	L1103009	691803	93111		0.0	1.0					1.700	0.12		0.600	0.59	

Table C-4c. All Post-Remedy Soil Data for Select Metals Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Mercury			Selenium		
											Result	DL	VQ	Result	DL	VQ
100303	L1103010	691803	93111		1.0	2.0										
100303	L1103011	691803	93111		2.0	4.0										
100303	L1103012	691803	93111		4.0	6.0										
100304	L1103013	691776	93096		0.0	1.0					0.023	0.1		1.000	0.51	
100304	L1103014	691776	93096		1.0	2.0										
100304	L1103015	691776	93096		2.0	4.0										
100304	L1103016	691776	93096		2.0	4.0										
100304	L1103017	691776	93096		4.0	6.0										
100305	L1103018	692112	92187		0.0	1.0					0.017	0.12		0.620	0.62	U
100305	L1103019	692112	92187		1.0	2.0										
100305	L1103020	692112	92187		2.0	4.0										
100305	L1103021	692112	92187		4.0	6.0										
100401	L1104001	691772	93135		0.0	1.0					0.110	0.13		1.300	0.65	
100401	L1104002	691772	93135		1.0	2.0										
100401	L1104003	691772	93135		2.0	4.0										
100401	L1104004	691772	93135		4.0	6.0										
100402	L1104005	691742	93216		0.0	1.0					0.098	0.12		1.400	0.61	
100402	L1104006	691742	93216		1.0	2.0										
100402	L1104007	691742	93216		2.0	4.0										
100402	L1104008	691742	93216		4.0	6.0										
100403	L1104009	691792	93152		0.0	1.0					0.055	0.12		0.760	0.61	
100403	L1104010	691792	93152		1.0	2.0										
100403	L1104011	691792	93152		2.0	4.0										
100403	L1104012	691792	93152		4.0	6.0										
100404	L1104013	691796	93140		0.0	1.0					0.030	0.12		1.100	0.62	
100404	L1104014	691796	93140		1.0	2.0										
100404	L1104015	691796	93140		2.0	4.0										
100404	L1104016	691796	93140		4.0	6.0										
100501	L1105001	691921	92838		0.0	1.0					0.047	0.12		1.600	0.62	
100501	L1105002	691921	92838		1.0	2.0										
100501	L1105003	691921	92838		2.0	4.0										
100501	L1105004	691921	92838		4.0	6.0										
100502	L1105005	691921	92844		0.0	1.0					0.032	0.13		2.100	0.65	
100502	L1105006	691921	92844		1.0	2.0										
100502	L1105007	691921	92844		1.0	2.0										
100502	L1105008	691921	92844		2.0	4.0										
100502	L1105009	691921	92844		4.0	6.0										
100503	L1105010	691915	92797		0.0	1.0					0.760	0.52		1.400	0.62	
100503	L1105011	691915	92797		1.0	2.0										
100503	L1105012	691915	92797		2.0	4.0										
100503	L1105013	691915	92797		4.0	6.0										

Table C-4c. All Post-Remedy Soil Data for Select Metals Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Mercury			Selenium		
											Result	DL	VQ	Result	DL	VQ
100504	L1105014	691932	92802		0.0	1.0					0.130	0.13	U	1.800	0.65	
100504	L1105015	691932	92802		1.0	2.0										
100504	L1105016	691932	92802		2.0	4.0										
100504	L1105017	691932	92802		4.0	6.0										
100505	L1105018	691911	92799		0.0	1.0					0.520	0.52	U	0.620	0.62	U
100505	L1105019	691911	92799		1.0	2.0										
100505	L1105020	691911	92799		2.0	4.0										
100505	L1105021	691911	92799		4.0	6.0										
100506	L1105022	691896	92792		1.0	2.0										
100506	L1105023	691896	92792		2.0	4.0										
100506	L1105024	691896	92792		4.0	6.0										
100509	L1105035	691899	92831		0.0	1.0					0.040	0.12		1.600	0.61	
100509	L1105036	691899	92831		1.0	2.0										
100509	L1105037	691899	92831		2.0	4.0										
100509	L1105038	691899	92831		4.0	6.0										
100510	L1105055	691886	92945		0.0	1.0					0.039	0.13		1.400	0.65	
100510	L1105056	691886	92945		1.0	2.0					0.024	0.12		2.100	1.2	
100510	L1105057	691886	92945		2.0	4.0										
100510	L1105058	691886	92945		4.0	6.0										
100511	L1105059	691877	92995		1.0	2.0										
100511	L1105060	691877	92995		2.0	4.0										
100511	L1105061	691877	92995		2.0	4.0										
100511	L1105062	691877	92995		4.0	6.0										
100512	L1105063	691842	92972		1.0	2.0										
100512	L1105064	691842	92972		2.0	4.0										
100512	L1105065	691842	92972		4.0	6.0										
100513	L1105066	691845	92995		1.0	2.0										
100513	L1105067	691845	92995		2.0	4.0										
100513	L1105068	691845	92995		2.0	4.0										
100514	L1105069	691849	92986		1.0	2.0										
100514	L1105070	691849	92986		2.0	4.0										
100514	L1105071	691849	92986		4.0	5.0										
100517	L1105079	691867	93001		0.0	1.0					0.160	0.13		1.300	1.3	U
100517	L1105080	691867	93001		1.0	2.0										
100517	L1105081	691867	93001		2.0	4.0										
100517	L1105082	691867	93001		4.0	6.0										
100519	L1105088	691864	92940		0.0	1.0					0.039	0.12		1.400	0.61	
100519	L1105089	691864	92940		1.0	2.0										
100519	L1105090	691864	92940		2.0	4.0										
100519	L1105091	691864	92940		4.0	6.0										
100521	L1105096	691911	92849		0.0	1.0					0.045	0.12		1.800	0.62	

Table C-4c. All Post-Remedy Soil Data for Select Metals Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Mercury			Selenium		
											Result	DL	VQ	Result	DL	VQ
100521	L1105097	691911	92849		1.0	2.0										
100521	L1105098	691911	92849		2.0	4.0										
100521	L1105099	691911	92849		4.0	6.0										
100601	L1106001	691750	92646		0.0	1.0					0.050	0.14		2.900	2.1	
100601	L1106002	691750	92646		1.0	2.0										
100601	L1106003	691750	92646		2.0	4.0										
100601	L1106004	691750	92646		2.0	4.0										
100601	L1106005	691750	92646		4.0	6.0										
100602	L1106006	691739	92639		0.0	1.0					0.018	0.11		0.360	0.54	
100602	L1106007	691739	92639		1.0	2.0										
100602	L1106008	691739	92639		2.0	4.0										
100602	L1106009	691739	92639		4.0	6.0										
100603	L1106010	691621	93000		0.0	1.0					0.006	0.11		0.530	0.53	U
100603	L1106011	691621	93000		1.0	2.0										
100603	L1106012	691621	93000		2.0	4.0										
100603	L1106013	691621	93000		4.0	6.0										
100604	L1106014	691632	93007		0.0	1.0					0.080	0.14		2.000	1.4	
100604	L1106015	691632	93007		1.0	2.0										
100604	L1106016	691632	93007		2.0	4.0										
100604	L1106017	691632	93007		4.0	6.0										
100701	L1107001	692002	92830		0.0	1.0					0.033	0.12		1.200	1.2	U
100701	L1107002	692002	92830		1.0	2.0										
100701	L1107003	692002	92830		2.0	4.0										
100702	L1107005	692023	92845		0.0	1.0					0.039	0.13		0.630	0.63	U
100702	L1107006	692023	92845		1.0	2.0										
100702	L1107007	692023	92845		2.0	4.0										
100702	L1107008	692023	92845		4.0	6.0										
100703	L1107009	692034	92800		0.0	1.0					0.035	0.12		0.610	0.61	U
100703	L1107010	692034	92800		1.0	2.0										
100703	L1107011	692034	92800		2.0	4.0										
100703	L1107012	692034	92800		4.0	6.0										
100801	L1108001	691700	92779		0.0	1.0					0.034	0.13		1.700	0.64	
100801	L1108002	691700	92779		1.0	2.0										
100801	L1108003	691700	92779		2.0	4.0										
100801	L1108004	691700	92779		2.0	4.0										
100801	L1108005	691700	92779		4.0	6.0										
100802	L1108006	691723	92706		0.0	1.0					0.021	0.13		1.100	0.66	
100802	L1108006A	691723	92706		0.0	1.0					0.028	0.13		1.100	0.63	
100802	L1108007	691723	92706		1.0	2.0										
100802	L1108007A	691723	92706		1.0	2.0										
100802	L1108008	691723	92706		2.0	4.0										

Table C-4c. All Post-Remedy Soil Data for Select Metals Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Mercury			Selenium		
											Result	DL	VQ	Result	DL	VQ
100802	L1108008A	691723	92706		2.0	4.0										
100802	L1108009	691723	92706		4.0	6.0										
100802	L1108009A	691723	92706		4.0	6.0										
100803	L1108010	691715	92725		0.0	1.0					0.027	0.13		0.630	0.63	
100803	L1108011	691715	92725		1.0	2.0										
100803	L1108012	691715	92725		2.0	4.0										
100803	L1108013	691715	92725		4.0	6.0										
100805	L1108018	691709	92730		0.0	1.0					0.003	0.13		0.940	0.66	
100805	L1108019	691709	92730		1.0	2.0										
100805	L1108020	691709	92730		2.0	4.0										
100805	L1108021	691709	92730		4.0	6.0										
101001	L1110001	691959	92688		0.0	1.0										
101001	L1110002	691959	92688		1.0	2.0										
101001	L1110003	691959	92688		2.0	4.0										
101001	L1110004	691959	92688		4.0	6.0										
101004	L1110016	691978	92653		0.0	1.0					0.053	0.13		1.200	1.3	
101004	L1110017	691978	92653		1.0	2.0										
101004	L1110018	691978	92653		2.0	4.0										
101004	L1110019	691978	92653		4.0	6.0										
101005	L1110037	691993	92609		0.0	1.0					0.042	0.14		1.700	0.69	
101005	L1110038	691993	92609		1.0	2.0										
101005	L1110039	691993	92609		2.0	4.0										
101005	L1110040	691993	92609		4.0	6.0										
101006	L1110025	691952	92623		0.0	1.0					0.042	0.13		1.500	0.63	
101006	L1110026	691952	92623		1.0	2.0										
101006	L1110027	691952	92623		2.0	4.0										
101006	L1110028	691952	92623		4.0	5.0										
101007	L1110029	691971	92576		0.0	1.0					0.130	0.13	U	2.000	1.3	
101007	L1110030	691971	92576		1.0	2.0										
101008	L1110033	691999	92585		0.0	1.0					0.030	0.13		1.500	0.63	
101008	L1110034	691999	92585		1.0	2.0										
101008	L1110035	691999	92585		2.0	4.0										
101008	L1110036	691999	92585		4.0	6.0										
101009	L1110021	691999	92618		0.0	1.0					0.039	0.13		1.500	0.64	
101009	L1110022	691999	92618		1.0	2.0										
101009	L1110023	691999	92618		2.0	4.0										
101009	L1110024	691999	92618		4.0	6.0										
101101	L1111001	691809	93287		0.0	1.0					0.083	0.13		1.400	0.65	
101101	L1111002	691809	93287		1.0	2.0										
101101	L1111003	691809	93287		2.0	4.0										
101101	L1111004	691809	93287		4.0	6.0										

Table C-4c. All Post-Remedy Soil Data for Select Metals Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Mercury			Selenium		
											Result	DL	VQ	Result	DL	VQ
101102	L1111005	691832	93269		0.0	1.0										
101102	L1111006	691832	93269		2.0	4.0										
101103	L1111007	691812	93314		0.0	1.0					0.046	0.13		1.600	0.66	
101103	L1111008	691812	93314		1.0	2.0										
101103	L1111009	691812	93314		2.0	4.0										
101103	L1111010	691812	93314		4.0	6.0										
101104	L1111011	691845	93331		0.0	1.0					0.090	0.12		1.300	0.6	
101104	L1111012	691845	93331		1.0	2.0										
101104	L1111013	691845	93331		2.0	4.0										
101104	L1111014	691845	93331		4.0	6.0										
101105	L1111015	691894	93311		0.0	1.0					0.013	0.12		1.700	0.62	
101105	L1111016	691894	93311		1.0	2.0										
101105	L1111017	691894	93311		2.0	4.0										
101105	L1111018	691894	93311		4.0	6.0										
101106	L1111019	691911	93281		0.0	1.0					0.017	0.13		0.770	0.65	
101106	L1111020	691911	93281		1.0	2.0										
101106	L1111022	691911	93281		2.0	4.0										
101106	L1111023	691911	93281		4.0	6.0										
101107	L1111024	691838	93244		0.0	1.0					0.110	0.13		1.100	0.65	
101107	L1111025	691838	93244		1.0	2.0										
101107	L1111026	691838	93244		2.0	4.0										
101107	L1111027	691838	93244		4.0	6.0										
101201	L1112001	692036	92381		1.0	2.0										
101201	L1112001A	692036	92381		0.0	1.0					0.045	0.13		1.500	0.63	
101201	L1112002	692036	92381		1.0	2.0										
101201	L1112003	692036	92381		2.0	4.0										
101201	L1112004	692036	92381		4.0	6.0										
101204	L1112011A	692080	92344		0.0	1.0					0.068	0.12		1.300	0.61	
101204	L1112012	692080	92344		2.0	4.0										
101204	L1112013	692080	92344		4.0	6.0										
101205	L1112014	692105	92261		1.0	2.0										
101205	L1112014A	692105	92261		0.0	1.0					0.016	0.12		0.530	0.59	
101205	L1112015	692105	92261		2.0	4.0										
101205	L1112016	692105	92261		4.0	6.0										
101206	L1112017	692086	92238		1.0	2.0										
101206	L1112017A	692086	92238		0.0	1.0					0.067	0.13		1.100	0.64	
101206	L1112018	692086	92238		2.0	4.0										
101206	L1112019	692086	92238		4.0	6.0										
101207	L1112020	692050	92340		1.0	2.0										
101207	L1112020A	692050	92340		0.0	1.0					0.039	0.13		1.500	0.66	
101207	L1112021	692050	92340		2.0	4.0										

Table C-4c. All Post-Remedy Soil Data for Select Metals Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Mercury			Selenium			
											Result	DL	VQ	Result	DL	VQ	
101207	L1112022	692050	92340		4.0	6.0											
101208	L1112023	692041	92462		0.0	1.0						0.058	0.13		2.700	1.3	
101208	L1112024	692041	92462		1.0	2.0											
101208	L1112025	692041	92462		1.0	2.0											
101208	L1112026	692041	92462		2.0	4.0											
101208	L1112027	692041	92462		4.0	6.0											
101209	L1112028	692063	92389		0.0	1.0						0.049	0.11		1.000	0.55	
101209	L1112029	692063	92389		1.0	2.0											
101209	L1112030	692063	92389		2.0	4.0											
101209	L1112031	692063	92389		4.0	6.0											
101210	L1112033	692085	92323		1.0	2.0											
101210	L1112034	692085	92323		2.0	4.0											
101210	L1112036	692085	92323		4.0	6.0											
101210	L111232	692085	92323		0.0	1.0						0.080	0.13		1.400	0.65	
101211	L1112037	692098	92292		0.0	1.0						0.200	0.12		0.760	0.62	
101211	L1112038	692098	92292		1.0	2.0											
101211	L1112039	692098	92292		2.0	4.0											
101211	L1112040	692098	92292		4.0	6.0											
101212	L1112041	692076	92256		0.0	1.0						0.049	0.13		0.630	0.63	
101212	L1112042	692076	92256		1.0	2.0											
101212	L1112043	692076	92256		2.0	4.0											
101212	L1112044	692076	92256		4.0	6.0											
101213	L1112045	692055	92294		0.0	1.0						0.041	0.12		1.500	0.61	
101213	L1112046	692055	92294		1.0	2.0											
101213	L1112047	692055	92294		2.0	4.0											
101213	L1112048	692055	92294		2.0	4.0											
101213	L1112049	692055	92294		4.0	6.0											
101301	L1113001	691873	92319		0.0	1.0						0.120	0.12	U	0.620	0.62	U
101301	L1113002	691873	92319		1.0	2.0											
101301	L1113003	691873	92319		2.0	4.0											
101301	L1113004	691873	92319		4.0	6.0											
101302	L1113006	691868	92338		0.0	1.0						0.130	0.13	U	0.630	0.63	U
101302	L1113007	691868	92338		1.0	2.0											
101302	L1113008	691868	92338		2.0	4.0											
101302	L1113009	691868	92338		4.0	6.0											
101303	L1113010	691845	92407		0.0	1.0						0.120	0.12	U	0.610	0.61	U
101303	L1113011	691845	92407		1.0	2.0											
101303	L1113012	691845	92407		2.0	4.0											
101303	L1113013	691845	92407		4.0	6.0											
101304	L1113014	691870	92409		2.0	4.0						0.550	0.12		0.900	0.62	
101304	L1113015	691870	92409		1.0	2.0											

Table C-4c. All Post-Remedy Soil Data for Select Metals Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Mercury			Selenium		
											Result	DL	VQ	Result	DL	VQ
101304	L1113016	691870	92409		2.0	4.0										
101304	L1113017	691870	92409		4.0	6.0										
101305	L1113018	691882	92387		0.0	1.0					0.130	0.13	U	0.630	0.63	U
101305	L1113019	691882	92387		1.0	2.0										
101305	L1113020	691882	92387		2.0	4.0										
101305	L1113021	691882	92387		4.0	6.0										
101306	L1113024	691889	94486		1.0	2.0										
101307	L1113023	691900	92319		1.0	2.0										
101307	L1113027	691900	92319		0.0	1.0					1.400	0.63		1.400	0.63	
101307	L1113028	691900	92319		1.0	2.0										
101308	L11130035	691875	92309		4.0	6.0										
101308	L1113031	691875	92309		0.0	1.0					0.120	0.12	U	0.620	0.62	U
101308	L1113032	691875	92309		1.0	2.0										
101308	L1113033	691875	92309		2.0	4.0										
101308	L1113034	691875	92309		2.0	4.0										
101309	L1113036	691881	92297		0.0	1.0					0.120	0.12	U	0.620	0.62	U
101309	L1113037	691881	92297		1.0	2.0										
101309	L1113038	691881	92297		2.0	4.0										
101309	L1113039	691881	92297		4.0	6.0										
101401	L1114001	691797	92489		0.0	1.0					0.036	0.13		1.200	0.66	
101401	L1114002	691797	92489		1.0	2.0										
101401	L1114003	691797	92489		2.0	4.0										
101401	L1114004	691797	92489		4.0	6.0										
101402	L1114005	691814	92487		0.0	1.0					3.900	0.25		0.640	0.64	U
101402	L1114006	691814	92487		1.0	2.0										
101402	L1114007	691814	92487		2.0	4.0										
101402	L1114008	691814	92487		4.0	6.0										
101501	L1115001	691936	92124		0.0	1.0					0.035	0.13		2.500	1.3	
101501	L1115002	691936	92124		1.0	2.0										
101501	L1115003	691936	92124		2.0	4.0										
101501	L1115004	691936	92124		4.0	6.0										
101502	L1115005	691916	92117		0.0	1.0					0.047	0.13		1.800	1.3	
101502	L1115006	691916	92117		1.0	2.0										
101502	L1115007	691916	92117		2.0	4.0										
101502	L1115008	691916	92117		4.0	6.0										
101503	L1115009	691925	92088		0.0	1.0					0.051	0.13		1.300	1.3	U
101503	L1115010	691925	92088		1.0	2.0										
101503	L1115011	691925	92088		2.0	4.0										
101503	L1115012	691925	92088		4.0	6.0										
101504	L1115014	691931	92075		0.0	1.0					0.100	0.12		0.420	0.59	
101504	L1115015	691931	92075		1.0	2.0										

Table C-4c. All Post-Remedy Soil Data for Select Metals Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Mercury			Selenium		
											Result	DL	VQ	Result	DL	VQ
101504	L1115016	691931	92075		2.0	4.0										
101504	L1115017	691931	92075		4.0	6.0										
101505	L1115018	691943	92106		0.0	1.0					0.023	0.13		2.000	0.65	
101505	L1115019	691943	92106		1.0	2.0										
101505	L1115020	691943	92106		2.0	4.0										
101505	L1115021	691943	92106		4.0	6.0										
101506	L1115022	691950	92080		0.0	1.0					0.033	0.13		2.000	0.66	
101506	L1115023	691950	92080		1.0	2.0										
101506	L1115024	691950	92080		2.0	4.0										
101506	L1115025	691950	92080		4.0	6.0										
101601	L1116001	692018	92532		1.0	2.0										
101602	L1116002	692025	92510		1.0	2.0										
101604	L1116005	692012	92535		1.0	2.0										
101605	L1116006	692003	92526		1.0	2.0										
101605	L1116007	692003	92526		1.0	2.0										
101901	L1119001	691756	92245		0.0	1.0					0.092	0.13		2.300	0.66	
101901	L1119002	691756	92245		1.0	2.0										
101901	L1119003	691756	92245		2.0	4.0										
101901	L1119004	691756	92245		4.0	6.0										
101902	L1119005	691701	92291		0.0	1.0					0.029	0.13		1.500	0.64	
101902	L1119006	691701	92291		1.0	2.0										
101902	L1119007	691701	92291		2.0	4.0										
101902	L1119008	691701	92291		4.0	6.0										
101903	L1119011	691682	92349		0.0	1.0					0.079	0.13		1.800	0.64	
101903	L1119012	691682	92349		1.0	2.0										
101903	L1119013	691682	92349		2.0	4.0										
101903	L1119014	691682	92349		4.0	6.0										
101904	L1119015	691752	92256		0.0	1.0					0.045	0.13		2.500	1.3	
101904	L1119016	691752	92256		1.0	2.0										
101904	L1119017	691752	92256		2.0	4.0										
101904	L1119018	691752	92256		4.0	6.0										
101905	L1119019	691756	92280		0.0	1.0					0.130	0.13	U	1.300	1.3	U
101905	L1119020	691756	92280		1.0	2.0										
101905	L1119021	691756	92280		2.0	4.0										
101905	L1119022	691756	92280		4.0	6.0										
103601	L1136001	691816	93159		0.0	1.0					0.022	0.12		1.100	0.62	
103601	L1136002	691816	93159		1.0	2.0										
103601	L1136003	691816	93159		2.0	4.0										
103602	L1136004	691819	93152		0.0	1.0					0.023	0.11		1.000	0.56	
103602	L1136005	691819	93152		1.0	2.0										
103602	L1136006	691819	93152		2.0	4.0										

Table C-4c. All Post-Remedy Soil Data for Select Metals Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Mercury			Selenium		
											Result	DL	VQ	Result	DL	VQ
103603	L1136007	691811	93151		0.0	1.0					0.021	0.14		2.100	0.7	
103603	L1136008	691811	93151		1.0	2.0										
103603	L1136009	691811	93151		2.0	4.0										
104001	L1140001	691989	92970		0.0	1.0					0.031	0.12		0.610	0.61	U
104001	L1140002	691989	92970		1.0	2.0										
104001	L1140003	691989	92970		2.0	4.0										
104001	L1140004	691989	92970		4.0	6.0										
104002	L1140005	691966	92968		0.0	1.0					0.035	0.13		0.660	0.66	U
104002	L1140007	691966	92968		1.0	2.0										
104002	L1140008	691966	92968		2.0	4.0										
104002	L1140009	691966	92968		4.0	6.0										
104003	L1140010	692020	92953		0.0	1.0					0.040	0.13		0.640	0.64	U
104003	L1140011	692020	92953		0.0	1.0										
104003	L1140013	692020	92953		2.0	4.0										
104003	L1140014	692020	92953		4.0	6.0										
104004	L1140015	691950	92925		0.0	1.0					0.031	0.13		1.300	1.3	U
104004	L1140016	691950	92925		1.0	2.0										
104004	L1140017	691950	92925		2.0	4.0										
104004	L1140018	691950	92925		4.0	6.0										
104005	L1140006	692034	92912		2.0	4.0										
104005	L1140020	692034	92912		0.0	1.0					0.044	0.13		0.660	0.66	U
104005	L1140021	692034	92912		1.0	2.0										
104005	L1140022	692034	92912		2.0	4.0										
104005	L1140023	692034	92912		4.0	6.0										
104006	L1140024	692023	92873		0.0	1.0					0.021	0.13		0.640	0.64	U
104006	L1140025	692023	92873		1.0	2.0										
104006	L1140026	692023	92873		2.0	4.0										
104006	L1140027	692023	92873		4.0	6.0										
104007	L1140028	691983	92874		0.0	1.0					0.032	0.12		1.300	0.61	
104007	L1140029	691983	92874		1.0	2.0										
104007	L1140030	691983	92874		2.0	4.0										
105001	L1150001	691709	92844		1.0	2.0										
105001	L1150002	691709	92844		2.0	4.0										
105001	L1150003	691709	92844		4.0	6.0										
105003	L1150007	691689	92828		0.0	1.0					0.020	0.13		0.990	0.63	
105003	L1150008	691689	92828		1.0	2.0										
105003	L1150009	691689	92828		2.0	4.0										
105003	L1150010	691689	92828		4.0	6.0										
105004	L1150011	691716	92826		0.0	1.0					0.290	0.5		1.400	0.63	
105004	L1150012	691716	92826		1.0	2.0										
105004	L1150013	691716	92826		2.0	4.0										

Table C-4c. All Post-Remedy Soil Data for Select Metals Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Mercury			Selenium		
											Result	DL	VQ	Result	DL	VQ
105004	L1150014	691716	92826		4.0	6.0										
105301	L1153001	692136	92161		1.0	2.0										
105301	L1153001A	692136	92161		0.0	1.0					0.037	0.13		2.000	1.3	
105301	L1153003	692136	92161		2.0	4.0										
105301	L1153004	692136	92161		4.0	6.0										
105302	L1153002	692145	92145		0.0	1.0					0.029	0.12		1.700	0.62	
105302	L1153005	692145	92145		1.0	2.0										
105302	L1153005A	692145	92145		0.0	1.0					0.034	0.13		1.400	1.3	
105302	L1153006	692145	92145		2.0	4.0										
105302	L1153007	692145	92145		4.0	6.0										
105303	L1153008	692108	92140		1.0	2.0										
105303	L1153008A	692108	92140		0.0	1.0					0.120	0.12	U	0.610	0.61	U
105303	L1153009	692108	92140		2.0	4.0										
105303	L1153010	692108	92140		4.0	6.0										
106002	L1160006	691662	92877		0.0	1.0					0.200	0.12		1.800	0.6	
106002	L1160007	691662	92877		1.0	2.0										
106002	L1160008	691662	92877		2.0	4.0										
106002	L1160009	691662	92877		4.0	6.0										
106003	L1160010	691680	92888		0.0	1.0					0.057	0.11		0.150	0.55	
106003	L1160011	691680	92888		1.0	2.0										
106003	L1160012	691680	92888		2.0	4.0										
106003	L1160013	691680	92888		4.0	6.0										
106003	L1160014	691680	92888		4.0	6.0										
106004	L1160015	691680	92900		0.0	1.0					0.027	0.13		1.500	0.63	
106004	L1160016	691680	92900		1.0	2.0										
106004	L1160017	691680	92900		2.0	4.0										
106004	L1160019	691680	92900		4.0	6.0										
106101	L1161001	691947	93086		0.0	1.0					0.118	0.118	U	0.590	0.59	U
106101	L1161002	691947	93086		1.0	2.0										
106101	L1161003	691947	93086		2.0	4.0										
106101	L1161004	691947	93086		4.0	6.0										
106102	L1161005	691909	93057		0.0	1.0					0.033	0.13		2.200	1.3	
106102	L1161006	691909	93057		1.0	2.0										
106102	L1161007	691909	93057		1.0	2.0										
106102	L1161008	691909	93057		2.0	4.0										
106102	L1161009	691909	93057		4.0	6.0										
106104	L1161014	691956	93011		0.0	1.0					0.035	0.13		1.800	0.64	
106104	L1161015	691956	93011		1.0	2.0										
106104	L1161016	691956	93011		2.0	4.0										
106104	L1161017	691956	93011		4.0	6.0										
106301	L1163009	692099	92970		0.0	1.0					0.089	0.14		0.690	0.69	U

Table C-4c. All Post-Remedy Soil Data for Select Metals Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Mercury			Selenium		
											Result	DL	VQ	Result	DL	VQ
106301	L1163010	692099	92970		1.0	2.0										
106301	L1163011	692099	92970		2.0	4.0										
106301	L1163012	692099	92970		4.0	6.0										
106302	L1163013	692094	92997		0.0	1.0					0.037	0.13		1.500	0.65	
106302	L1163015	692094	92997		2.0	4.0										
106302	L1163016	692094	92997		4.0	6.0										
106303	L1163017	692099	93024		0.0	1.0					0.029	0.12		0.920	0.59	
106303	L1163018	692099	93024		1.0	2.0										
106303	L1163019	692099	93024		2.0	4.0										
106303	L1163020	692099	93024		4.0	6.0										
106304	L1163021	692101	93040		0.0	1.0					0.034	0.14		0.840	0.68	
106304	L1163022	692101	93040		1.0	2.0										
106304	L1163023	692101	93040		2.0	4.0										
106304	L1163024	692101	93040		4.0	6.0										
106305	L1163025	692073	93131		0.0	1.0					0.140	0.14	U	1.000	0.68	
106305	L1163026	692073	93131		1.0	2.0										
106305	L1163027	692073	93131		1.0	2.0										
106305	L1163028	692073	93131		2.0	4.0										
106305	L1163029	692073	93131		4.0	6.0										
106306	L1163030	692055	93147		0.0	1.0					0.130	0.13	U	0.660	0.66	U
106306	L1163031	692055	93147		1.0	2.0										
106306	L1163032	692055	93147		2.0	4.0										
106306	L1163033	692055	93147		4.0	6.0										
106307	L1163034	692088	93113		0.0	1.0					0.044	0.12		1.000	1.2	
106307	L1163035	692088	93113		1.0	2.0										
106307	L1163036	692088	93113		2.0	4.0										
106307	L1163037	692088	93113		4.0	6.0										
106308	L1163038	692094	93102		0.0	1.0					0.056	0.13		0.620	1.3	
106308	L1163039	692094	93102		1.0	2.0										
106308	L1163040	692094	93102		2.0	4.0										
106308	L1163041	692094	93102		4.0	6.0										
106401	L1164001	692022	93174		0.0	1.0					0.130	0.13	U	0.660	0.66	U
106401	L1164002	692022	93174		1.0	2.0										
106401	L1164003	692022	93174		2.0	4.0										
106401	L1164004	692022	93174		4.0	6.0										
106401	L1164018	692022	93174		0.0	1.0					0.120	0.12	U	0.610	0.61	U
106402	L1164005	692011	93185		0.0	1.0					0.130	0.13	U	0.650	0.65	U
106402	L1164006	692011	93185		4.0	6.0										
106402	L1164007	692011	93185		2.0	4.0										
106402	L1164008	692011	93185		4.0	6.0										
106403	L1164009	692000	93195		0.0	1.0					0.120	0.12	U	0.620	0.62	U

Table C-4c. All Post-Remedy Soil Data for Select Metals Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Mercury			Selenium		
											Result	DL	VQ	Result	DL	VQ
106403	L1164010	692000	93195		1.0	2.0										
106403	L1164011	692000	93195		2.0	4.0										
106403	L1164012	692000	93195		4.0	6.0										
106403	L1164013	692000	93195		4.0	6.0										
106404	L1164014	691970	93215		2.0	4.0					0.130	0.13	U	1.500	0.65	
106404	L1164015	691970	93215		1.0	2.0										
106404	L1164016	691970	93215		2.0	4.0										
106404	L1164017	691970	93215		4.0	6.0										
106501	L1165001	692089	92859		0.0	1.0					0.024	0.11		0.540	0.54	U
106501	L1165002	692089	92859		1.0	2.0										
106501	L1165003	692089	92859		2.0	4.0										
106501	L1165004	692089	92859		4.0	6.0										
106501	L1165005	692089	92859		4.0	6.0										
106502	L1165006	692086	92848		0.0	1.0					0.160	0.13		1.600	0.63	
106502	L1165007	692086	92848		1.0	2.0										
106502	L1165008	692086	92848		2.0	4.0										
106502	L1165009	692086	92848		4.0	6.0										
106503	L1165010	692175	92980		0.0	1.0					0.028	0.13		1.500	0.64	
106503	L1165011	692175	92980		1.0	2.0										
106503	L1165012	692175	92980		2.0	4.0										
106503	L1165013	692175	92980		4.0	6.0										
106503	L1165030	692175	92980		1.0	2.0										
106504	L1165014	692161	92912		0.0	1.0					0.031	0.13		1.500	0.63	
106504	L1165015	692161	92912		1.0	2.0										
106504	L1165016	692161	92912		2.0	4.0										
106504	L1165017	692161	92912		4.0	6.0										
106505	L1165018	692194	92823		0.0	1.0					0.036	0.13		1.600	0.63	
106505	L1165019	692194	92823		1.0	2.0										
106505	L1165020	692194	92823		2.0	4.0										
106505	L1165021	692194	92823		4.0	6.0										
106506	L1165022	692273	92884		0.0	1.0					0.055	0.13		2.000	0.66	
106506	L1165023	692273	92884		1.0	2.0										
106506	L1165024	692273	92884		2.0	4.0										
106506	L1165025	692273	92884		4.0	6.0										
106507	L1165026	692267	92904		0.0	1.0					0.032	0.12		1.500	1.2	
106507	L1165027	692267	92904		1.0	2.0										
106507	L1165028	692267	92904		2.0	4.0										
106507	L1165029	692267	92904		4.0	6.0										
106507	L1165031	692267	92904		0.0	1.0					0.040	0.12		0.610	0.61	U
106601	L1166001	691723	92395		0.0	1.0					0.130	0.13	U	0.650	0.65	U
106601	L1166002	691723	92395		1.0	2.0										

Table C-4c. All Post-Remedy Soil Data for Select Metals Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Mercury			Selenium		
											Result	DL	VQ	Result	DL	VQ
106601	L1166003	691723	92395		2.0	4.0										
106601	L1166004	691723	92395		4.0	6.0										
106602	L1166007	691680	92381		0.0	1.0					0.170	0.17	U	0.830	0.83	U
106602	L1166008	691680	92381		1.0	2.0										
106602	L1166009	691680	92381		2.0	4.0										
106602	L1166010	691680	92381		4.0	6.0										
106701	L1167001	691949	93193		0.0	1.0					0.394	0.559		0.610	0.61	U
106701	L1167002	691949	93193		1.0	2.0										
106701	L1167003	691949	93193		2.0	4.0										
106701	L1167004	691949	93193		4.0	6.0										
106702	L1167005	691953	93162		0.0	1.0					0.450	0.13		1.400	0.63	
106702	L1167006	691953	93162		1.0	2.0										
106702	L1167007	691953	93162		1.0	2.0										
106702	L1167008	691953	93162		4.0	6.0										
106703	L1167009	691973	93141		0.0	1.0					0.124	0.124	U	0.620	0.62	U
106703	L1167010	691973	93141		1.0	2.0										
106703	L1167011	691973	93141		2.0	4.0										
106703	L1167012	691973	93141		4.0	6.0										
107001	L1170001	691981	92458		0.0	1.0					0.032	0.12		1.100	1.2	
107001	L1170002	691981	92458		1.0	2.0										
107001	L1170003	691981	92458		2.0	4.0										
107001	L1170004	691981	92458		4.0	6.0										
107002	L1170005	691961	92498		0.0	1.0					0.051	0.14		2.100	0.72	
107002	L1170006	691961	92498		1.0	2.0										
107002	L1170007	691961	92498		2.0	4.0										
107002	L1170008	691961	92498		4.0	6.0										
107004	L1170014	691976	92478		0.0	1.0					0.043	0.12		0.370	1.2	
107004	L1170015	691976	92478		1.0	2.0										
107004	L1170016	691976	92478		2.0	4.0										
107004	L1170017	691976	92478		4.0	6.0										
107101	L1171001	691874	92664		0.0	1.0					0.170	0.12		1.100	0.62	
107101	L1171002	691874	92664		1.0	2.0										
107101	L1171003	691874	92664		2.0	4.0										
107101	L1171004	691874	92664		4.0	6.0										
107201	L1172001	691875	92586		0.0	1.0					0.054	0.13		0.680	1.3	
107201	L1172002	691875	92586		1.0	2.0										
107201	L1172003	691875	92586		2.0	4.0										
107201	L1172004	691875	92586		4.0	6.0										
107201	L1172005	691875	92586		4.0	6.0										
107303	L1173009	691882	92517		0.0	1.0					1.400	0.18		1.400	0.91	
107303	L1173010	691882	92517		1.0	2.0										

Table C-4c. All Post-Remedy Soil Data for Select Metals Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Mercury			Selenium		
											Result	DL	VQ	Result	DL	VQ
107303	L1173011	691882	92517		2.0	4.0										
107303	L1173012	691882	92517		4.0	6.0										
107304	L1173013	691895	92491		0.0	1.0					0.056	0.12		0.560	1.2	
107304	L1173014	691895	92491		1.0	2.0										
107304	L1173015	691895	92491		2.0	4.0										
107304	L1173016	691895	92491		4.0	6.0										
107305	L1173017	691925	92475		0.0	1.0					0.093	0.13		0.830	1.3	
107305	L1173018	691925	92475		1.0	2.0										
107305	L1173019	691925	92475		2.0	4.0										
107305	L1173020	691925	92475		4.0	6.0										
107401	L1174001	691962	92425		0.0	1.0					0.032	0.13		1.800	0.64	
107401	L1174002	691962	92425		1.0	2.0										
107401	L1174003	691962	92425		2.0	4.0										
107401	L1174004	691962	92425		4.0	6.0										
107501	L1175001	691970	92319		0.0	1.0					0.031	0.13		1.300	0.64	
107501	L1175002	691970	92319		1.0	2.0										
107501	L1175003	691970	92319		2.0	4.0										
107501	L1175004	691970	92319		4.0	6.0										
107601	L1176001	691995	92243		0.0	1.0					0.220	0.13		3.200	1.9	
107601	L1176002	691995	92243		1.0	2.0										
107601	L1176003	691995	92243		1.0	2.0										
107601	L1176004	691995	92243		2.0	4.0										
107601	L1176005	691995	92243		4.0	6.0										
107701	L1177001	691839	93355		0.0	1.0					0.038	0.14		1.800	0.69	
107701	L1177002	691839	93355		1.0	2.0										
107701	L1177003	691839	93355		2.0	4.0										
107701	L1177004	691839	93355		4.0	6.0										
108501	L1185001	692145	93053		0.0	1.0					0.026	0.12		0.790	0.6	
108501	L1185002	692145	93053		1.0	2.0										
108501	L1185003	692145	93053		2.0	4.0										
108501	L1185004	692145	93053		4.0	6.0										
108502	L1185005	692193	93114		0.0	1.0					0.020	0.12		0.590	0.59	U
108502	L1185006	692193	93114		1.0	2.0										
108502	L1185007	692193	93114		1.0	2.0										
108502	L1185009	692193	93114		4.0	6.0										
110001	L11100001	691889	92747		0.0	1.0					0.054	0.15		1.900	0.74	
110001	L11100002	691889	92747		1.0	2.0										
110001	L11100003	691889	92747		2.0	4.0										
110001	L11100004	691889	92747		2.0	4.0										
110003	L11100009	691958	92733		4.0	6.0										
110003	L11100010	691958	92733		0.0	1.0					0.048	0.12		1.300	0.6	

Table C-4c. All Post-Remedy Soil Data for Select Metals Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Mercury			Selenium		
											Result	DL	VQ	Result	DL	VQ
110003	L11100011	691958	92733		1.0	2.0										
110003	L11100012	691958	92733		1.0	2.0										
110003	L11100013	691958	92733		2.0	4.0										
110003	L11100014	691958	92733		4.0	6.0										
110021	L111002001	691703	92269		0.0	1.0					0.038	0.13		1.600	1.3	
110021	L111002002	691703	92269		0.0	1.0					0.034	0.13		2.000	0.65	
110021	L111002003	691703	92269		1.0	2.0										
110021	L111002004	691703	92269		2.0	4.0										
110021	L111002005	691703	92269		4.0	6.0										
110021	L111002006	691703	92269		4.0	6.0										
112421	L11124001	691974	93402		1.0	2.0										
112421	L11124002	691974	93402		2.0	4.0										
112421	L11124003	691974	93402		4.0	6.0										
112422	L11124004	691977	93392		1.0	2.0										
112422	L11124005	691977	93392		2.0	4.0										
112422	L11124006	691977	93392		4.0	6.0										
112423	L11124007	691956	93454		1.0	2.0										
112423	L11124008	691956	93454		2.0	4.0										
112423	L11124009	691956	93454		4.0	6.0										
112901	L11129001	691933	93378		1.0	2.0										
112901	L11129002	691933	93378		2.0	4.0										
112901	L11129003	691933	93378		4.0	6.0										
112902	L11129004	691961	93373		1.0	2.0										
112902	L11129005	691961	93373		2.0	4.0										
112902	L11129006	691961	93373		2.0	4.0										
112903	L11129007	691939	93367		1.0	2.0										
112903	L11129008	691939	93367		2.0	4.0										
112903	L11129009	691939	93367		4.0	6.0										
115201	L11152001	691670	93440		1.0	2.0										
115201	L11152002	691670	93440		2.0	4.0										
115202	L11152003	691677	93430		1.0	2.0										
115202	L11152004	691677	93430		2.0	4.0										
115203	L11152005	691655	93409		1.0	2.0										
115203	L11152006	691655	93409		2.0	4.0										
115204	L11152007	691646	93444		1.0	2.0										
115204	L11152008	691646	93444		2.0	4.0										
115205	L11152009	691681	93484		1.0	2.0										
115205	L11152009DL	691681	93484		1.0	2.0										
115205	L11152011	691681	93484		2.0	4.0										
115206	L11152012	691648	93431		1.0	2.0										
115206	L11152013	691648	93431		2.0	4.0										

Table C-4c. All Post-Remedy Soil Data for Select Metals Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Mercury			Selenium		
											Result	DL	VQ	Result	DL	VQ
115207	L11152014	691651	93420		1.0	2.0										
115207	L11152015	691651	93420		2.0	4.0										
115501	L11155001	691829	92890		0.0	1.0					0.053	0.13		1.000	0.63	
115501	L11155002	691829	92890		1.0	2.0										
115501	L11155003	691829	92890		2.0	4.0										
115501	L11155004	691829	92890		4.0	6.0										
115501	L11155005	691829	92890		4.0	6.0										
115502	L11155006	691921	92626		0.0	1.0					0.040	0.12		0.310	1.2	
115502	L11155007	691921	92626		1.0	2.0										
115502	L11155008	691921	92626		2.0	4.0										
115502	L11155009	691921	92626		4.0	6.0										
115503	L11155010	692016	92333		0.0	1.0					0.035	0.12		1.500	0.62	
115503	L11155011	692016	92333		1.0	2.0										
115503	L11155012	692016	92333		2.0	4.0										
116901	L11169001	691798	92297		0.0	1.0										
116901	L11169002	691798	92297		1.0	2.0										
116902	L1169003	691703	93210		0.0	1.0										
116902	L1169004	691703	93210		1.0	2.0										
116903	L11169005	691920	92946		0.0	1.0										
116903	L11169006	691920	92946		1.0	2.0										
116904	L11169007	691946	92866		0.0	1.0										
116904	L11169008	691946	92866		1.0	2.0										
116905	L11169009	692120	92125		0.0	1.0										
116905	L11169010	692120	92125		1.0	2.0										
116906	L11169011	692028	92646		1.0	2.0										
116907	L11169013	692114	92355		0.0	1.0										
116907	L11169014	692114	92355		1.0	2.0										
116908	L11169016	692066	92273		0.0	1.0										
116908	L11169017	692066	92273		1.0	2.0										
116909	L11169018	691757	92233		0.0	1.0										
116909	L11169019	691757	92233		1.0	2.0										
116910	L11169020	691979	93373		0.0	1.0										
116910	L11169021	691979	93373		1.0	2.0										
116911	L11169022	691769	93328		0.0	1.0										
116911	L11169023	691769	93328		1.0	2.0										
116912	L11169024	691863	93415		0.0	1.0										
116912	L11169025	691863	93415		1.0	2.0										
116913	L11169026	691701	92898		0.0	1.0										
116913	L11169027	691701	92898		1.0	2.0										
116914	L11169028	691725	93411		0.0	1.0										
116914	L11169028DL	691725	93411		0.0	1.0										

Table C-4c. All Post-Remedy Soil Data for Select Metals Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Mercury			Selenium		
											Result	DL	VQ	Result	DL	VQ
116914	L11169029	691725	93411		1.0	2.0										
116914	L11169029DL	691725	93411		1.0	2.0										
116915	L11169030	691883	93355		0.0	1.0										
116915	L11169031	691883	93355		0.0	1.0										
116916	L11169032	692204	93063		0.0	1.0										
116916	L11169033	692204	93063		0.0	1.0										
116916	L11169034	692204	93063		1.0	2.0										
116917	L11169035	691698	92263		0.0	1.0										
116917	L11169036	691698	92263		1.0	2.0										
116918	L11169037	691949	93168		0.0	1.0										
116918	L11169038	691949	93168		1.0	2.0										
116919	L11169039	692104	92656		0.0	1.0										
116919	L11169040	692104	92656		1.0	2.0										
116920	L11169041	691813	92098		0.0	1.0										
116920	L11169042	691813	92098		1.0	2.0										
116920	L11169043	691813	92098		1.0	2.0										
116921	L11169044	692141	92572		0.0	1.0										
116921	L11169045	692141	92572		1.0	2.0										
116922	L11169046	692089	92779		0.0	1.0										
116922	L11169047	692089	92779		1.0	2.0										
116925	L11169052	691675	93311		0.0	1.0										
116925	L11169053	691675	93311		1.0	2.0										
160302	L1163014	692094	92997		1.0	2.0										
163701	L1163001	691731	92351		0.0	1.0					0.140	0.14	U	0.850	0.68	
163701	L1163002	691731	92351		1.0	2.0										
163701	L1163003	691731	92351		2.0	4.0										
163701	L1163004	691731	92351		4.0	6.0										
163702	L1163005	691759	92309		0.0	1.0					0.043	0.16		1.100	0.81	
163702	L1163006	691759	92309		1.0	2.0										
163702	L1163007	691759	92309		2.0	4.0										
163702	L1163008	691759	92309		4.0	6.0										
10DD01	L110DD001	691669	93262		0.0	1.0					0.039	0.12		0.620	0.62	
10DD01	L110DD002	691669	93262		1.0	2.0										
10DD01	L110DD003	691669	93262		2.0	4.0										
10DD01	L110DD004	691669	93262		4.0	6.0										
10DD02	L110DD005	691641	93234		0.0	1.0					0.038	0.14		0.990	1.4	
10DD02	L110DD006	691641	93234		1.0	2.0										
10DD02	L110DD007	691641	93234		2.0	4.0										
10DD02	L110DD008	691641	93234		4.0	6.0										
10DD03	L110DD009	691565	93119		0.0	1.0					0.240	0.13		0.770	0.67	
10DD03	L110DD010	691565	93119		1.0	2.0										

Table C-4c. All Post-Remedy Soil Data for Select Metals Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Mercury			Selenium		
											Result	DL	VQ	Result	DL	VQ
10DD03	L110DD011	691565	93119		2.0	4.0										
10DD03	L110DD012	691565	93119		4.0	6.0										
10DD04	L110DD013	691508	93081		0.0	1.0					0.024	0.13		0.240	0.66	
10DD04	L110DD014	691508	93081		1.0	2.0										
10DD04	L110DD015	691508	93081		2.0	4.0										
10DD04	L110DD016	691508	93081		2.0	4.0										
10DD04	L110DD017	691508	93081		4.0	6.0										
10DD05	L110DD018	691525	93099		0.0	1.0					0.028	0.14		1.800	0.71	
10DD05	L110DD019	691525	93099		1.0	2.0										
10DD07	L110DD026	691660	93153		0.0	1.0					0.033	0.12		0.880	0.62	
10DD07	L110DD027	691660	93153		1.0	2.0										
10DD07	L110DD028	691660	93153		2.0	4.0										
10DD07	L110DD029	691660	93153		4.0	6.0										
10DD09	L110DD034	691861	92762		0.0	1.0					0.041	0.13		0.650	0.65	U
10DD09	L110DD035	691861	92762		1.0	2.0										
10DD09	L110DD036	691861	92762		2.0	4.0										
10DD09	L110DD037	691861	92762		4.0	6.0										
10DD10	L110DD038	691839	92768		0.0	1.0					0.043	0.14		0.710	0.71	U
10DD10	L110DD039	691839	92768		0.0	1.0					0.032	0.14		0.710	0.71	U
10DD10	L110DD040	691839	92768		1.0	2.0										
10DD10	L110DD041	691839	92768		2.0	4.0										
10DD10	L110DD042	691839	92768		4.0	6.0										
10DD11	L110DD043	691762	92784		0.0	1.0					0.081	0.15		3.300	1.5	
10DD11	L110DD044	691762	92784		1.0	2.0										
10DD11	L110DD045	691762	92784		1.0	2.0										
10DD11	L110DD046	691762	92784		2.0	4.0										
10DD11	L110DD047	691762	92784		4.0	6.0										
10DD12	L110DD048	691726	92790		0.0	1.0					0.030	0.14		1.200	0.68	
10DD12	L110DD049	691726	92790		1.0	2.0										
10DD12	L110DD050	691726	92790		2.0	4.0										
10DD12	L110DD051	691726	92790		4.0	6.0										
10DD13	L110DD052	691627	92701		0.0	1.0					0.026	0.13		1.000	0.63	
10DD13	L110DD053	691627	92701		1.0	2.0										
10DD13	L110DD054	691627	92701		2.0	4.0										
10DD13	L110DD055	691627	92701		4.0	6.0										
10DD14	L110DD056	691617	92673		0.0	1.0					0.046	0.13		1.100	0.67	
10DD14	L110DD057	691617	92673		1.0	2.0										
10DD14	L110DD058	691617	92673		2.0	4.0										
10DD14	L110DD059	691617	92673		4.0	6.0										
10DD15	L110DD060	691625	92545		0.0	1.0					0.020	0.12		1.100	1.2	
10DD15	L110DD061	691625	92545		1.0	2.0										

Table C-4c. All Post-Remedy Soil Data for Select Metals Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Mercury			Selenium		
											Result	DL	VQ	Result	DL	VQ
10DD15	L110DD062	691625	92545		2.0	4.0										
10DD15	L110DD063	691625	92545		4.0	6.0										
10DD16	L110DD065	691588	92546		1.0	2.0										
10DD16	L110DD066	691588	92546		2.0	4.0										
10DD16	L110DD067	691588	92546		4.0	6.0										
10DD17	L110DD069	691547	92435		1.0	2.0										
10DD17	L110DD070	691547	92435		2.0	4.0										
10DD17	L110DD071	691547	92435		4.0	6.0										
10DD17	L110DD072	691547	92435		4.0	6.0										
10DD18	L110DD074	691582	92419		1.0	2.0										
10DD18	L110DD075	691582	92419		2.0	4.0										
10DD18	L110DD076	691582	92419		4.0	6.0										
10DD19	L110DD077	691678	92547		0.0	1.0					0.120	0.15		1.300	0.74	
10DD19	L110DD078DL	691678	92547		1.0	2.0										
10DD19	L110DD079DL	691678	92547		2.0	4.0										
10DD20	L110DD081	691806	92511		0.0	1.0					0.026	0.13		0.740	0.64	
10DD20	L110DD082	691806	92511		1.0	2.0										
10DD20	L110DD083	691806	92511		2.0	4.0										
10DD20	L110DD084	691806	92511		4.0	6.0										
10DD21	L110DD085	691838	92504		0.0	1.0					0.023	0.13		0.420	0.66	
10DD21	L110DD086	691838	92504		1.0	2.0										
10DD21	L110DD087	691838	92504		2.0	4.0										
10DD21	L110DD088	691838	92504		4.0	6.0										
10DD22	L110DD089	691858	92111		0.0	1.0					0.036	0.13		2.200	0.67	
10DD22	L110DD090	691858	92111		1.0	2.0										
10DD22	L110DD091	691858	92111		2.0	4.0										
10DD22	L110DD092	691858	92111		4.0	6.0										
10DD23	L110DD094	691798	92021		1.0	2.0										
10DD23	L110DD095	691798	92021		2.0	4.0										
10DD23	L110DD096	691798	92021		4.0	6.0										
10DD25	L110DD102	691742	92808		2.0	4.0					0.049	0.13		0.840	1.3	
10DD25	L110DD103	691742	92808		1.0	2.0										
10DD25	L110DD104	691742	92808		2.0	4.0										
10DD25	L110DD105	691742	92808		4.0	6.0										
10DD26	L110DD106	691759	92856		0.0	1.0					0.038	0.13		1.300	0.63	
10DD26	L110DD107	691759	92856		1.0	2.0										
10DD26	L110DD108	691759	92856		2.0	4.0										
10DD26	L110DD109	691759	92856		4.0	6.0										
10DD27	L110DD110	691918	91943		0.0	1.0					0.017	0.13		1.500	1.3	
10DD27	L110DD111	691918	91943		1.0	2.0										
10DD27	L110DD112	691918	91943		2.0	4.0										

Table C-4c. All Post-Remedy Soil Data for Select Metals Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Mercury			Selenium				
											Result	DL	VQ	Result	DL	VQ		
10DD27	L110DD113	691918	91943		4.0	6.0												
10DD28	L110DD115	691840	91886		1.0	2.0												
10DD28	L110DD116	691840	91886		2.0	4.0												
10DD28	L110DD117	691840	91886		4.0	6.0												
10DD29	L110DD131	691632	93305		0.0	1.0					0.055	0.13		1.600	0.63			
10DD29	L110DD132	691632	93305		1.0	2.0												
10DD29	L110DD133	691632	93305		2.0	4.0												
10DD29	L110DD134	691632	93305		4.0	6.0												
L1-E2-C001	IAAP112183						EU3	A	2	east wall BC 1 and 4	0.06	0.013	=	0.68	0.68	U		
L1-E2-C002	IAAP112184											south wall BC 1 and 2	0.14	0.013	=	0.74	0.68	=
L1-E2-C003	IAAP112185											west wall BC 2 and 3	0.10	0.014	=	1.80	1.8	U
L1-E2-C004	IAAP112186											north wall BC 3 and 4	0.12	0.013	=	0.67	0.67	U
L1-E2-C005	IAAP112187											floor of EXC				0.77	0.71	=
L1-E2-C006	IAAP112187-1											FD of IAAP112187	0.06	0.014	=	0.71	0.71	U
L1-E7-C001	IAAP112242						EU4	B & C	7 & 8	NW wall BC 1 and 2	0.03	0.014	=	0.68	0.68	U		
L1-E7-C002	IAAP112243											NE wall BC 1, 5, and 4	0.06	0.014	=	0.69	0.69	U
L1-E7-C003	IAAP112244											SW wall BC 3 and 4	0.06	0.014	=	0.73	0.73	U
L1-E7-C004	IAAP112245											SE wall BC 2 and 3	0.05	0.014	=	0.69	0.69	U
L1-E7-C005	IAAP112246											floor of EXC	0.03	0.014	=	0.70	0.7	U
L1-E10-C001	IAAP112253						EU4	E	10	north wall BC 12, 13, and 1	0.09	0.013	=	1.30	1.3	U		
L1-E10-C002	IAAP112254											east wall BC 1 and 2	0.04	0.013	=	3.20	3.2	U
L1-E10-C003	IAAP112255											south wall BC 6 and 7	0.11	0.013	=	1.30	1.3	U
L1-E10-C004	IAAP112256											west wall BC 11 and 12	0.29	0.013	=	1.30	1.3	U
L1-E10-C005	IAAP112257											floor of EXC	0.22	0.013	=	1.30	1.3	U
L1-E14-C001	IAAP112292						EU5	D	14	north wall BC 1 and 8	0.06	0.014	=	0.73	0.73	U		
L1-E14-C002	IAAP112293											east wall BC 1 and 2	0.06	0.015	=	1.80	1.8	U
L1-E14-C004	IAAP112295											west wall BC 7 and 8	0.04	0.015	=	0.74	0.74	U
L1-E14-C005	IAAP112296											floor of EXC	0.06	0.014	=	1.80	1.8	U
L1-E20-C001	IAAP112327						EU5	J	20	north wall BC 1 and 2	0.05	0.013	=	1.70	1.7	U		
L1-E20-C002	IAAP112328											east wall BC 2 and 3	0.05	0.013	=	1.70	1.7	U
L1-E20-C005	IAAP112328-1											FD of IAAP112328	0.04	0.013	=	0.67	0.67	U
L1-E20-C006	IAAP112330											floor of EXC	0.05	0.013	=	1.60	1.6	U

Notes:

VQ symbols indicate: “=” positive identification, positive quantitation, no reason to estimate, “U” non-detect, no reason to estimate, “J” positive identification, estimated quantitation, “UJ” analyte was not detected and had QC deficiencies.

Table C-4c. All Post-Remedy Soil Data for Select Metals Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Silver		
											Result	DL	VQ
IAAP100000	IAAP100000	691723.44	93385.79	03/28/07	0	0.5							
IAAP100000	IAAP100001	691723.44	93385.79	03/28/07	0.5	1							
IAAP100002	IAAP100002	691726.92	93376.03	03/28/07	0	0.5							
IAAP100002	IAAP100003	691726.92	93376.03	03/28/07	0.5	1							
IAAP100004	IAAP100004	691732.81	93366.73	03/28/07	0	0.5							
IAAP100004	IAAP100005	691732.81	93366.73	03/28/07	0.5	1							
IAAP100006	IAAP100006	691735.81	93358.42	03/28/07	0	0.5							
IAAP100006	IAAP100007	691735.81	93358.42	03/28/07	0.5	1							
IAAP100008	IAAP100008	691739.66	93346.54	03/28/07	0	0.5							
IAAP100008	IAAP100009	691739.66	93346.54	03/28/07	0.5	1							
IAAP100031	IAAP100031	691727.31	93292.52	03/29/07	0	0.5							
IAAP100034	IAAP100034	691728.18	93296.62	03/29/07	0	0.5							
IAAP100046	IAAP100046	691996.61	93031.05	03/23/07	0	0.5							
IAAP136603	IAAP100047	691990.48	93027.37	03/23/07	0	0.5							
IAAP100048	IAAP100048	691996.18	93025.73	03/23/07	0	0.5							
IAAP100051	IAAP100051	691943.22	92732.92	04/16/07	0	0.5							
IAAP100051	IAAP100052	691943.22	92732.92	04/16/07	1	2							
IAAP100057	IAAP100057	691587.61	92871.04	04/12/07	0	0.5					0.25	0.25	U
IAAP100058	IAAP100058	691571.87	92865.95	04/12/07	0	0.5					0.26	0.26	U
IAAP100059	IAAP100059	691922.71	92626.5	04/15/07	0	0.5							
IAAP100060	IAAP100060	691917.77	92621.56	04/15/07	0	0.5							
IAAP100061	IAAP100061	691921.19	92615.5	04/15/07	0	0.5							
IAAP100062	IAAP100062	691693.75	92886.11	04/12/07	0	0.5							
IAAP100063	IAAP100063	691696.5	92877.2	04/12/07	0	0.5							
IAAP100064	IAAP100064	691689.05	92879.37	04/12/07	0	0.5							
IAAP100066	IAAP100066	691749.63	92654.13	04/12/07	0	0.5							
IAAP100068	IAAP100068	691682.18	92883.19	04/12/07	0	0.5							
IAAP100070	IAAP100070	691851.03	92973.78	04/12/07	0	0.5							
IAAP100071	IAAP100071	691694.48	92747.08	04/11/07	0	0.5							
IAAP100087	IAAP100087	691886.05	92824.82	04/16/07	0	0.5							
IAAP100000	IAAP100112	691723.44	93385.79	03/28/07	1	1.5							
IAAP100002	IAAP100113	691726.92	93376.03	03/28/07	1	1.5							
IAAP100004	IAAP100114	691732.81	93366.73	03/28/07	1	1.5							
IAAP100006	IAAP100115	691735.81	93358.42	03/28/07	1	1.5							
IAAP100008	IAAP100116	691739.66	93346.54	03/28/07	1	1.5							
IAAP103900	IAAP103900	691723.57	93391.67	05/29/07	0	0.5							
IAAP103900	IAAP103901	691723.57	93391.67	05/29/07	0.5	1							
IAAP103900	IAAP103902	691723.57	93391.67	05/29/07	1	1.5							
IAAP103900	IAAP103903	691723.57	93391.67	05/29/07	1.5	2							
IAAP103904	IAAP103904	691713.05	93388.24	05/29/07	0	0.5							
IAAP103904	IAAP103905	691713.05	93388.24	05/29/07	0.5	1							
IAAP103904	IAAP103906	691713.05	93388.24	05/29/07	1	1.5							

Table C-4c. All Post-Remedy Soil Data for Select Metals Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Silver		
											Result	DL	VQ
IAAP103904	IAAP103907	691713.05	93388.24	05/29/07	1.5	2							
IAAP103919	IAAP103919	692010.7	92873.76	05/30/07	0	0.5							
IAAP103932	IAAP103932	691887.23	92819.77	06/05/07	0	0.5					0.24	0.24	UJ
IAAP103957	IAAP103957	691806.11	92492.32	05/31/07	0	0.5					0.24	0.24	UJ
IAAP103958	IAAP103958	691801.39	92494.82	05/31/07	0	0.5					0.25	0.25	UJ
IAAP103959	IAAP103959	691802	92486.1	05/31/07	0	0.5					2.00	2	U
IAAP111608	IAAP111608	691729.54	93383.8	09/25/08	0	0.5					0.87	0.87	U
IAAP96976	IAAP111609	COMPOSITE	COMPOSITE	09/25/08	1	2					0.87	0.87	U
IAAP111627	IAAP111628	691996.16	93028.25	09/24/08	1	2					0.86	0.86	U
IAAP111631	IAAP111631	692000.12	93025.48	09/24/08	0	0.5					0.85	0.85	U
IAAP111633	IAAP111633	691947.6	92731.29	09/23/08	0	1					0.87	0.87	U
IAAP111634	IAAP111634	691942.06	92729.45	09/23/08	0	1					0.87	0.87	U
IAAP111635	IAAP111635	691936.94	92730.22	09/23/08	0	1					0.24	0.24	U
IAAP111652	IAAP111652	691848.62	92980.16	09/24/08	0	1					0.27	0.27	U
IAAP96925	IAAP96925	692027	92844.46	10/26/06	0	0.5					0.27	0.27	U
IAAP96926	IAAP96926	692014.91	92844.8	10/26/06	0	0.5					0.29	0.29	U
IAAP96927	IAAP96927	691998.35	92979.48	10/26/06	0	0.5					0.27	0.27	U
IAAP96928	IAAP96928	691998.35	92979.48	10/26/06	0	0.5					0.27	0.27	U
IAAP96929	IAAP96929	691966.49	92969.51	10/26/06	0	0.5					1.10	1.1	UJ
IAAP96935	IAAP96935	691894.02	93328.08	11/15/06	0	0.5					0.26	0.26	UJ
IAAP96936	IAAP96936	COMPOSITE	COMPOSITE	11/15/06	0	0.5					1.10	1.1	UJ
IAAP96937	IAAP96937	COMPOSITE	COMPOSITE	11/13/06	0	0.5					0.26	0.26	UJ
IAAP96938	IAAP96938	691840.29	93270.4	11/13/06	0	0.5					1.10	1.1	U
IAAP96939	IAAP96939	691831.83	93298.23	11/13/06	0	0.5					1.10	1.1	UJ
IAAP96940	IAAP96940	691832.3	93342.32	11/13/06	0	0.5					0.25	0.25	U
IAAP96941	IAAP96941	691814.66	93317.23	11/13/06	0	0.5					0.24	0.24	UJ
IAAP96942	IAAP96942	691838.97	93244.84	11/13/06	0	0.5					0.46	0.46	U
IAAP96943	IAAP96943	691740.96	93451.82	11/14/06	0	0.5					0.48	0.48	U
IAAP96944	IAAP96944	691700	93430.63	11/14/06	0	0.5					0.27	0.27	U
IAAP96945	IAAP96945	691712.74	93499.75	11/14/06	0	0.5					0.24	0.24	UJ
IAAP96949	IAAP96949	692113.04	93092.9	11/15/06	0	0.5					0.25	0.25	UJ
IAAP96950	IAAP96950	COMPOSITE	COMPOSITE	11/15/06	0	0.5					0.24	0.24	UJ
IAAP96951	IAAP96951	COMPOSITE	COMPOSITE	11/15/06	0	0.5					1.00	1	UJ
IAAP96952	IAAP96952	692127.71	93042.61	11/15/06	0	0.5					0.24	0.24	UJ
IAAP96953	IAAP96953	692116.38	93011.84	11/15/06	0	0.5					0.22	0.22	UJ
IAAP96954	IAAP96954	692116.26	92981.47	11/15/06	0	0.5					0.24	0.24	U
IAAP96959	IAAP96959	COMPOSITE	COMPOSITE	11/14/06	0	0.5					0.24	0.24	UJ
IAAP96961	IAAP96961	COMPOSITE	COMPOSITE	11/13/06	0	0.5					0.24	0.24	UJ
IAAP96962	IAAP96962	COMPOSITE	COMPOSITE	11/13/06	0	0.5					0.23	0.23	U
IAAP96963	IAAP96963	COMPOSITE	COMPOSITE	11/13/06	0	0.5					0.24	0.24	UJ
IAAP96964	IAAP96964	691985.83	93063.1	11/13/06	0	0.5					1.00	1	UJ

Table C-4c. All Post-Remedy Soil Data for Select Metals Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Silver		
											Result	DL	VQ
IAAP96967	IAAP96967	691937	93039	11/13/06	0	0.5					0.91	0.91	U
IAAP96976	IAAP96976	COMPOSITE	COMPOSITE	11/14/06	0	0.5					1.30	1.3	U
IAAP96977	IAAP96977	COMPOSITE	COMPOSITE	11/14/06	0	0.5					4.20	0.29	=
IAAP96979	IAAP96979	691795.01	93119.57	11/14/06	0	0.5					0.25	0.25	U
IAAP96980	IAAP96980	691808.87	93106.84	11/14/06	0	0.5					1.10	1.1	U
IAAP96988	IAAP96988	691954.34	92114.71	11/14/06	0	0.5					0.42	0.42	U
IAAP96989	IAAP96989	691876.63	92299.46	11/14/06	0	0.5					0.24	0.24	U
IAAP96992	IAAP96992	COMPOSITE	COMPOSITE	11/14/06	0	0.5					0.44	0.44	UJ
IAAP96994	IAAP96994	691857.33	92413.74	11/14/06	0	0.5					0.22	0.22	UJ
IAAP96996	IAAP96996	COMPOSITE	COMPOSITE	11/14/06	0	0.5					0.25	0.25	UJ
IAAP96997	IAAP96997	691844.39	92407.27	11/14/06	0	0.5					1.10	1.1	UJ
IAAP96998	IAAP96998	691728	93303	11/14/06	0	0.5					0.42	0.42	U
IAAP97000	IAAP97000	691786.4	93115.72	11/14/06	0	0.5					0.26	0.26	U
IAAP97001	IAAP97001	691872	93010	12/18/06	0	0.5					0.22	0.22	U
IAAP97002	IAAP97002	691884	93003	12/18/06	0	0.5					0.21	0.21	U
IAAP97003	IAAP97003	691888	92995	12/18/06	0	0.5					0.24	0.24	U
IAAP97008	IAAP97008	691894	92818	12/19/06	0	0.5					0.25	0.25	U
IAAP97009	IAAP97009	691903	92823	12/19/06	0	0.5					0.25	0.25	U
IAAP97010	IAAP97010	691891	92892	12/19/06	0	0.5					0.24	0.24	U
IAAP97011	IAAP97011	691900	92879	12/19/06	0	0.5					0.25	0.25	U
IAAP97012	IAAP97012	691889	92913	12/19/06	0	0.5					0.25	0.25	U
IAAP97013	IAAP97013	691813	92905	12/18/06	0	0.5					2.30	0.22	=
IAAP97016	IAAP97016	691683	92887	12/18/06	0	0.5					0.26	0.26	U
IAAP97017	IAAP97017	691680	92894	12/18/06	0	0.5					0.23	0.23	U
IAAP97018	IAAP97018	691694	92881	12/18/06	0	0.5					0.27	0.27	U
IAAP97019	IAAP97019	691689	92747	12/18/06	0	0.5					0.26	0.26	U
IAAP97020	IAAP97020	691695	92744	12/18/06	0	0.5					0.25	0.25	U
IAAP97021	IAAP97021	691719	92718	12/18/06	0	0.5					0.26	0.26	U
IAAP97022	IAAP97022	691753	92650	12/18/06	0	0.5					0.25	0.25	UJ
IAAP97023	IAAP97023	691750	92660	12/18/06	0	0.5					0.27	0.27	U
IAAP97024	IAAP97024	691745	92709	12/18/06	0	0.5					0.26	0.26	U
IAAP97030	IAAP97030	691973	92557	12/19/06	0	0.5					0.24	0.24	U
IAAP97031	IAAP97031	691979	92543	12/19/06	0	0.5					0.21	0.21	U
IAAP97032	IAAP97032	692030	92538	12/19/06	0	0.5					0.39	0.39	U
IAAP97033	IAAP97033	692033	92519	12/19/06	0	0.5					0.21	0.21	U
IAAP97034	IAAP97034	692018	92535	12/20/06	0	0.5					0.29	0.29	U
IAAP97049	IAAP97049	691998	92245	12/19/06	0	0.5					0.26	0.26	U
IAAP98247	IAAP98247	691977	92312	12/19/06	0	0.5					0.27	0.27	U
IAAP98256	IAAP98256	691757	92280	12/20/06	0	0.5					0.25	0.25	U
IAAP98257	IAAP98257	691780	92253	12/20/06	0	0.5					0.25	0.25	U
IAAP98259	IAAP98259	691921	92623	12/19/06	0	0.5					1.10	1.1	U

Table C-4c. All Post-Remedy Soil Data for Select Metals Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Silver		
											Result	DL	VQ
IAAP98260	IAAP98260	691719	92537	12/18/06	0	0.5					0.24	0.24	U
IAAP98261	IAAP98261	691626	92692	12/18/06	0	0.5					0.24	0.24	U
IAAP98262	IAAP98262	691633	92751	12/18/06	0	0.5					1.60	0.27	=
IAAP98263	IAAP98263	691582	92869	12/18/06	0	0.5					0.74	0.74	U
IAAP98264	IAAP98264	691518	93097	12/18/06	0	0.5					0.32	0.32	U
IAAP98273	IAAP98273	692131	92072.7	12/19/06	0	0.5					0.25	0.25	U
IAAP98274	IAAP98274	691733.32	93424.71	12/20/06	0	0.5					0.22	0.22	U
IAAP99927	IAAP99927	691811.29	92488.02	04/16/07	0	0.5					0.25	0.25	U
IAAP99928	IAAP99928	691809.48	92485.81	04/16/07	0	0.5					0.22	0.22	U
IAAP99929	IAAP99929	691815.02	92487.65	04/16/07	0	0.5					0.21	0.21	U
IAAP99930	IAAP99930	691811.29	92492.77	04/16/07	0	0.5					1.00	1	U
100101	L1101001	691685	93330		0.0	1.0					1.200	1.2	U
100101	L1101002	691685	93330		1.0	2.0							
100101	L1101003	691685	93330		2.0	4.0							
100101	L1101004	691685	93330		4.0	6.0							
100102	L1101005	691685	93369		0.0	1.0					1.300	1.3	U
100102	L1101006	691685	93369		1.0	2.0							
100102	L1101007	691685	93369		2.0	4.0							
100102	L1101008	691685	93369		4.0	6.0							
100103	L1101009	691723	93308		0.0	1.0					1.100	1.1	U
100103	L1101010	691723	93308		1.0	2.0							
100103	L1101011	691723	93308		2.0	4.0							
100103	L1101012	691723	93308		4.0	6.0							
100201	L1102001	691824	93116		1.0	2.0							
100201	L1102002	691824	93116		2.0	4.0							
100202	L1102003	691834	93110		1.0	2.0							
100202	L1102004	691834	93110		2.0	4.0							
100203	L1102005	691839	93129		1.0	2.0							
100203	L1102006	691839	93129		2.0	4.0							
100204	L1102007	691851	93109		1.0	2.0							
100204	L1102008	691851	93109		2.0	4.0							
100205	L1102009	691838	93090		1.0	2.0							
100205	L1102010	691838	93090		2.0	4.0							
100205	L1102011	691838	93090		2.0	4.0							
100206	L1102012	691842	93123		1.0	2.0							
100206	L1102013	691842	93123		2.0	4.0							
100302	L1103005	691754	93117		0.0	1.0					1.300	1.3	U
100302	L1103006	691754	93117		1.0	2.0							
100302	L1103007	691754	93117		2.0	4.0							
100302	L1103008	691754	93117		4.0	6.0							
100303	L1103009	691803	93111		0.0	1.0					1.200	1.2	U

Table C-4c. All Post-Remedy Soil Data for Select Metals Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Silver		
											Result	DL	VQ
100303	L1103010	691803	93111		1.0	2.0							
100303	L1103011	691803	93111		2.0	4.0							
100303	L1103012	691803	93111		4.0	6.0							
100304	L1103013	691776	93096		0.0	1.0					1.000	1	U
100304	L1103014	691776	93096		1.0	2.0							
100304	L1103015	691776	93096		2.0	4.0							
100304	L1103016	691776	93096		2.0	4.0							
100304	L1103017	691776	93096		4.0	6.0							
100305	L1103018	692112	92187		0.0	1.0					1.100	1.1	U
100305	L1103019	692112	92187		1.0	2.0							
100305	L1103020	692112	92187		2.0	4.0							
100305	L1103021	692112	92187		4.0	6.0							
100401	L1104001	691772	93135		0.0	1.0					1.300	1.3	U
100401	L1104002	691772	93135		1.0	2.0							
100401	L1104003	691772	93135		2.0	4.0							
100401	L1104004	691772	93135		4.0	6.0							
100402	L1104005	691742	93216		0.0	1.0					1.200	1.2	U
100402	L1104006	691742	93216		1.0	2.0							
100402	L1104007	691742	93216		2.0	4.0							
100402	L1104008	691742	93216		4.0	6.0							
100403	L1104009	691792	93152		0.0	1.0					1.200	1.2	U
100403	L1104010	691792	93152		1.0	2.0							
100403	L1104011	691792	93152		2.0	4.0							
100403	L1104012	691792	93152		4.0	6.0							
100404	L1104013	691796	93140		0.0	1.0					1.200	1.2	U
100404	L1104014	691796	93140		1.0	2.0							
100404	L1104015	691796	93140		2.0	4.0							
100404	L1104016	691796	93140		4.0	6.0							
100501	L1105001	691921	92838		0.0	1.0					1.200	1.2	U
100501	L1105002	691921	92838		1.0	2.0							
100501	L1105003	691921	92838		2.0	4.0							
100501	L1105004	691921	92838		4.0	6.0							
100502	L1105005	691921	92844		0.0	1.0					1.300	1.3	U
100502	L1105006	691921	92844		1.0	2.0							
100502	L1105007	691921	92844		1.0	2.0							
100502	L1105008	691921	92844		2.0	4.0							
100502	L1105009	691921	92844		4.0	6.0							
100503	L1105010	691915	92797		0.0	1.0					1.200	1.2	U
100503	L1105011	691915	92797		1.0	2.0							
100503	L1105012	691915	92797		2.0	4.0							
100503	L1105013	691915	92797		4.0	6.0							

Table C-4c. All Post-Remedy Soil Data for Select Metals Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Silver		
											Result	DL	VQ
100504	L1105014	691932	92802		0.0	1.0					1.300	1.3	U
100504	L1105015	691932	92802		1.0	2.0							
100504	L1105016	691932	92802		2.0	4.0							
100504	L1105017	691932	92802		4.0	6.0							
100505	L1105018	691911	92799		0.0	1.0					1.200	1.2	U
100505	L1105019	691911	92799		1.0	2.0							
100505	L1105020	691911	92799		2.0	4.0							
100505	L1105021	691911	92799		4.0	6.0							
100506	L1105022	691896	92792		1.0	2.0							
100506	L1105023	691896	92792		2.0	4.0							
100506	L1105024	691896	92792		4.0	6.0							
100509	L1105035	691899	92831		0.0	1.0					1.200	1.2	U
100509	L1105036	691899	92831		1.0	2.0							
100509	L1105037	691899	92831		2.0	4.0							
100509	L1105038	691899	92831		4.0	6.0							
100510	L1105055	691886	92945		0.0	1.0					1.300	1.3	U
100510	L1105056	691886	92945		1.0	2.0					1.200	1.2	U
100510	L1105057	691886	92945		2.0	4.0							
100510	L1105058	691886	92945		4.0	6.0							
100511	L1105059	691877	92995		1.0	2.0							
100511	L1105060	691877	92995		2.0	4.0							
100511	L1105061	691877	92995		2.0	4.0							
100511	L1105062	691877	92995		4.0	6.0							
100512	L1105063	691842	92972		1.0	2.0							
100512	L1105064	691842	92972		2.0	4.0							
100512	L1105065	691842	92972		4.0	6.0							
100513	L1105066	691845	92995		1.0	2.0							
100513	L1105067	691845	92995		2.0	4.0							
100513	L1105068	691845	92995		2.0	4.0							
100514	L1105069	691849	92986		1.0	2.0							
100514	L1105070	691849	92986		2.0	4.0							
100514	L1105071	691849	92986		4.0	5.0							
100517	L1105079	691867	93001		0.0	1.0					1.300	1.3	U
100517	L1105080	691867	93001		1.0	2.0							
100517	L1105081	691867	93001		2.0	4.0							
100517	L1105082	691867	93001		4.0	6.0							
100519	L1105088	691864	92940		0.0	1.0					1.200	1.2	U
100519	L1105089	691864	92940		1.0	2.0							
100519	L1105090	691864	92940		2.0	4.0							
100519	L1105091	691864	92940		4.0	6.0							
100521	L1105096	691911	92849		0.0	1.0					1.200	1.2	U

Table C-4c. All Post-Remedy Soil Data for Select Metals Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Silver		
											Result	DL	VQ
100521	L1105097	691911	92849		1.0	2.0							
100521	L1105098	691911	92849		2.0	4.0							
100521	L1105099	691911	92849		4.0	6.0							
100601	L1106001	691750	92646		0.0	1.0					1.400	1.4	U
100601	L1106002	691750	92646		1.0	2.0							
100601	L1106003	691750	92646		2.0	4.0							
100601	L1106004	691750	92646		2.0	4.0							
100601	L1106005	691750	92646		4.0	6.0							
100602	L1106006	691739	92639		0.0	1.0					1.100	1.1	U
100602	L1106007	691739	92639		1.0	2.0							
100602	L1106008	691739	92639		2.0	4.0							
100602	L1106009	691739	92639		4.0	6.0							
100603	L1106010	691621	93000		0.0	1.0					1.100	1.1	U
100603	L1106011	691621	93000		1.0	2.0							
100603	L1106012	691621	93000		2.0	4.0							
100603	L1106013	691621	93000		4.0	6.0							
100604	L1106014	691632	93007		0.0	1.0					1.400	1.4	U
100604	L1106015	691632	93007		1.0	2.0							
100604	L1106016	691632	93007		2.0	4.0							
100604	L1106017	691632	93007		4.0	6.0							
100701	L1107001	692002	92830		0.0	1.0					1.200	1.2	U
100701	L1107002	692002	92830		1.0	2.0							
100701	L1107003	692002	92830		2.0	4.0							
100702	L1107005	692023	92845		0.0	1.0					1.300	1.3	U
100702	L1107006	692023	92845		1.0	2.0							
100702	L1107007	692023	92845		2.0	4.0							
100702	L1107008	692023	92845		4.0	6.0							
100703	L1107009	692034	92800		0.0	1.0					1.200	1.2	U
100703	L1107010	692034	92800		1.0	2.0							
100703	L1107011	692034	92800		2.0	4.0							
100703	L1107012	692034	92800		4.0	6.0							
100801	L1108001	691700	92779		0.0	1.0					1.300	1.3	U
100801	L1108002	691700	92779		1.0	2.0							
100801	L1108003	691700	92779		2.0	4.0							
100801	L1108004	691700	92779		2.0	4.0							
100801	L1108005	691700	92779		4.0	6.0							
100802	L1108006	691723	92706		0.0	1.0					1.300	1.3	U
100802	L1108006A	691723	92706		0.0	1.0					1.300	1.3	U
100802	L1108007	691723	92706		1.0	2.0							
100802	L1108007A	691723	92706		1.0	2.0							
100802	L1108008	691723	92706		2.0	4.0							

Table C-4c. All Post-Remedy Soil Data for Select Metals Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Silver		
											Result	DL	VQ
100802	L1108008A	691723	92706		2.0	4.0							
100802	L1108009	691723	92706		4.0	6.0							
100802	L1108009A	691723	92706		4.0	6.0							
100803	L1108010	691715	92725		0.0	1.0					1.300	1.3	U
100803	L1108011	691715	92725		1.0	2.0							
100803	L1108012	691715	92725		2.0	4.0							
100803	L1108013	691715	92725		4.0	6.0							
100805	L1108018	691709	92730		0.0	1.0					1.300	1.3	U
100805	L1108019	691709	92730		1.0	2.0							
100805	L1108020	691709	92730		2.0	4.0							
100805	L1108021	691709	92730		4.0	6.0							
101001	L1110001	691959	92688		0.0	1.0							
101001	L1110002	691959	92688		1.0	2.0							
101001	L1110003	691959	92688		2.0	4.0							
101001	L1110004	691959	92688		4.0	6.0							
101004	L1110016	691978	92653		0.0	1.0					1.300	1.3	U
101004	L1110017	691978	92653		1.0	2.0							
101004	L1110018	691978	92653		2.0	4.0							
101004	L1110019	691978	92653		4.0	6.0							
101005	L1110037	691993	92609		0.0	1.0					1.400	1.4	U
101005	L1110038	691993	92609		1.0	2.0							
101005	L1110039	691993	92609		2.0	4.0							
101005	L1110040	691993	92609		4.0	6.0							
101006	L1110025	691952	92623		0.0	1.0					1.300	1.3	U
101006	L1110026	691952	92623		1.0	2.0							
101006	L1110027	691952	92623		2.0	4.0							
101006	L1110028	691952	92623		4.0	5.0							
101007	L1110029	691971	92576		0.0	1.0					1.300	1.3	U
101007	L1110030	691971	92576		1.0	2.0							
101008	L1110033	691999	92585		0.0	1.0					1.300	1.3	U
101008	L1110034	691999	92585		1.0	2.0							
101008	L1110035	691999	92585		2.0	4.0							
101008	L1110036	691999	92585		4.0	6.0							
101009	L1110021	691999	92618		0.0	1.0					1.300	1.3	U
101009	L1110022	691999	92618		1.0	2.0							
101009	L1110023	691999	92618		2.0	4.0							
101009	L1110024	691999	92618		4.0	6.0							
101101	L1111001	691809	93287		0.0	1.0					1.300	1.3	U
101101	L1111002	691809	93287		1.0	2.0							
101101	L1111003	691809	93287		2.0	4.0							
101101	L1111004	691809	93287		4.0	6.0							

Table C-4c. All Post-Remedy Soil Data for Select Metals Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Silver		
											Result	DL	VQ
101102	L1111005	691832	93269		0.0	1.0							
101102	L1111006	691832	93269		2.0	4.0							
101103	L1111007	691812	93314		0.0	1.0					1.300	1.3	U
101103	L1111008	691812	93314		1.0	2.0							
101103	L1111009	691812	93314		2.0	4.0							
101103	L1111010	691812	93314		4.0	6.0							
101104	L1111011	691845	93331		0.0	1.0					1.200	1.2	U
101104	L1111012	691845	93331		1.0	2.0							
101104	L1111013	691845	93331		2.0	4.0							
101104	L1111014	691845	93331		4.0	6.0							
101105	L1111015	691894	93311		0.0	1.0					1.200	1.2	U
101105	L1111016	691894	93311		1.0	2.0							
101105	L1111017	691894	93311		2.0	4.0							
101105	L1111018	691894	93311		4.0	6.0							
101106	L1111019	691911	93281		0.0	1.0					1.300	1.3	U
101106	L1111020	691911	93281		1.0	2.0							
101106	L1111022	691911	93281		2.0	4.0							
101106	L1111023	691911	93281		4.0	6.0							
101107	L1111024	691838	93244		0.0	1.0					1.300	1.3	U
101107	L1111025	691838	93244		1.0	2.0							
101107	L1111026	691838	93244		2.0	4.0							
101107	L1111027	691838	93244		4.0	6.0							
101201	L1112001	692036	92381		1.0	2.0							
101201	L1112001A	692036	92381		0.0	1.0					1.300	1.3	U
101201	L1112002	692036	92381		1.0	2.0							
101201	L1112003	692036	92381		2.0	4.0							
101201	L1112004	692036	92381		4.0	6.0							
101204	L1112011A	692080	92344		0.0	1.0					1.200	1.2	U
101204	L1112012	692080	92344		2.0	4.0							
101204	L1112013	692080	92344		4.0	6.0							
101205	L1112014	692105	92261		1.0	2.0							
101205	L1112014A	692105	92261		0.0	1.0					1.200	1.2	U
101205	L1112015	692105	92261		2.0	4.0							
101205	L1112016	692105	92261		4.0	6.0							
101206	L1112017	692086	92238		1.0	2.0							
101206	L1112017A	692086	92238		0.0	1.0					1.300	1.3	U
101206	L1112018	692086	92238		2.0	4.0							
101206	L1112019	692086	92238		4.0	6.0							
101207	L1112020	692050	92340		1.0	2.0							
101207	L1112020A	692050	92340		0.0	1.0					1.300	1.3	U
101207	L1112021	692050	92340		2.0	4.0							

Table C-4c. All Post-Remedy Soil Data for Select Metals Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Silver		
											Result	DL	VQ
101207	L1112022	692050	92340		4.0	6.0							
101208	L1112023	692041	92462		0.0	1.0					1.300	1.3	U
101208	L1112024	692041	92462		1.0	2.0							
101208	L1112025	692041	92462		1.0	2.0							
101208	L1112026	692041	92462		2.0	4.0							
101208	L1112027	692041	92462		4.0	6.0							
101209	L1112028	692063	92389		0.0	1.0					1.100	1.1	U
101209	L1112029	692063	92389		1.0	2.0							
101209	L1112030	692063	92389		2.0	4.0							
101209	L1112031	692063	92389		4.0	6.0							
101210	L1112033	692085	92323		1.0	2.0							
101210	L1112034	692085	92323		2.0	4.0							
101210	L1112036	692085	92323		4.0	6.0							
101210	L111232	692085	92323		0.0	1.0					1.300	1.3	U
101211	L1112037	692098	92292		0.0	1.0					1.200	1.2	U
101211	L1112038	692098	92292		1.0	2.0							
101211	L1112039	692098	92292		2.0	4.0							
101211	L1112040	692098	92292		4.0	6.0							
101212	L1112041	692076	92256		0.0	1.0					1.300	1.3	U
101212	L1112042	692076	92256		1.0	2.0							
101212	L1112043	692076	92256		2.0	4.0							
101212	L1112044	692076	92256		4.0	6.0							
101213	L1112045	692055	92294		0.0	1.0					1.200	1.2	U
101213	L1112046	692055	92294		1.0	2.0							
101213	L1112047	692055	92294		2.0	4.0							
101213	L1112048	692055	92294		2.0	4.0							
101213	L1112049	692055	92294		4.0	6.0							
101301	L1113001	691873	92319		0.0	1.0					1.200	1.2	U
101301	L1113002	691873	92319		1.0	2.0							
101301	L1113003	691873	92319		2.0	4.0							
101301	L1113004	691873	92319		4.0	6.0							
101302	L1113006	691868	92338		0.0	1.0					1.300	1.3	U
101302	L1113007	691868	92338		1.0	2.0							
101302	L1113008	691868	92338		2.0	4.0							
101302	L1113009	691868	92338		4.0	6.0							
101303	L1113010	691845	92407		0.0	1.0					1.200	1.2	U
101303	L1113011	691845	92407		1.0	2.0							
101303	L1113012	691845	92407		2.0	4.0							
101303	L1113013	691845	92407		4.0	6.0							
101304	L1113014	691870	92409		2.0	4.0					1.200	1.2	U
101304	L1113015	691870	92409		1.0	2.0							

Table C-4c. All Post-Remedy Soil Data for Select Metals Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Silver		
											Result	DL	VQ
101304	L1113016	691870	92409		2.0	4.0							
101304	L1113017	691870	92409		4.0	6.0							
101305	L1113018	691882	92387		0.0	1.0					1.300	1.3	U
101305	L1113019	691882	92387		1.0	2.0							
101305	L1113020	691882	92387		2.0	4.0							
101305	L1113021	691882	92387		4.0	6.0							
101306	L1113024	691889	94486		1.0	2.0							
101307	L1113023	691900	92319		1.0	2.0							
101307	L1113027	691900	92319		0.0	1.0					1.300	1.3	U
101307	L1113028	691900	92319		1.0	2.0							
101308	L11130035	691875	92309		4.0	6.0							
101308	L1113031	691875	92309		0.0	1.0					1.200	1.2	U
101308	L1113032	691875	92309		1.0	2.0							
101308	L1113033	691875	92309		2.0	4.0							
101308	L1113034	691875	92309		2.0	4.0							
101309	L1113036	691881	92297		0.0	1.0					1.200	1.2	U
101309	L1113037	691881	92297		1.0	2.0							
101309	L1113038	691881	92297		2.0	4.0							
101309	L1113039	691881	92297		4.0	6.0							
101401	L1114001	691797	92489		0.0	1.0					1.300	1.3	U
101401	L1114002	691797	92489		1.0	2.0							
101401	L1114003	691797	92489		2.0	4.0							
101401	L1114004	691797	92489		4.0	6.0							
101402	L1114005	691814	92487		0.0	1.0					0.043	1.3	
101402	L1114006	691814	92487		1.0	2.0							
101402	L1114007	691814	92487		2.0	4.0							
101402	L1114008	691814	92487		4.0	6.0							
101501	L1115001	691936	92124		0.0	1.0					1.300	1.3	U
101501	L1115002	691936	92124		1.0	2.0							
101501	L1115003	691936	92124		2.0	4.0							
101501	L1115004	691936	92124		4.0	6.0							
101502	L1115005	691916	92117		0.0	1.0					1.300	1.3	U
101502	L1115006	691916	92117		1.0	2.0							
101502	L1115007	691916	92117		2.0	4.0							
101502	L1115008	691916	92117		4.0	6.0							
101503	L1115009	691925	92088		0.0	1.0					1.300	1.3	U
101503	L1115010	691925	92088		1.0	2.0							
101503	L1115011	691925	92088		2.0	4.0							
101503	L1115012	691925	92088		4.0	6.0							
101504	L1115014	691931	92075		0.0	1.0					1.200	1.2	U
101504	L1115015	691931	92075		1.0	2.0							

Table C-4c. All Post-Remedy Soil Data for Select Metals Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Silver		
											Result	DL	VQ
101504	L1115016	691931	92075		2.0	4.0							
101504	L1115017	691931	92075		4.0	6.0							
101505	L1115018	691943	92106		0.0	1.0					1.300	1.3	U
101505	L1115019	691943	92106		1.0	2.0							
101505	L1115020	691943	92106		2.0	4.0							
101505	L1115021	691943	92106		4.0	6.0							
101506	L1115022	691950	92080		0.0	1.0					1.300	1.3	U
101506	L1115023	691950	92080		1.0	2.0							
101506	L1115024	691950	92080		2.0	4.0							
101506	L1115025	691950	92080		4.0	6.0							
101601	L1116001	692018	92532		1.0	2.0							
101602	L1116002	692025	92510		1.0	2.0							
101604	L1116005	692012	92535		1.0	2.0							
101605	L1116006	692003	92526		1.0	2.0							
101605	L1116007	692003	92526		1.0	2.0							
101901	L1119001	691756	92245		0.0	1.0					1.300	1.3	U
101901	L1119002	691756	92245		1.0	2.0							
101901	L1119003	691756	92245		2.0	4.0							
101901	L1119004	691756	92245		4.0	6.0							
101902	L1119005	691701	92291		0.0	1.0					1.300	1.3	U
101902	L1119006	691701	92291		1.0	2.0							
101902	L1119007	691701	92291		2.0	4.0							
101902	L1119008	691701	92291		4.0	6.0							
101903	L1119011	691682	92349		0.0	1.0					1.300	1.3	U
101903	L1119012	691682	92349		1.0	2.0							
101903	L1119013	691682	92349		2.0	4.0							
101903	L1119014	691682	92349		4.0	6.0							
101904	L1119015	691752	92256		0.0	1.0					1.300	1.3	U
101904	L1119016	691752	92256		1.0	2.0							
101904	L1119017	691752	92256		2.0	4.0							
101904	L1119018	691752	92256		4.0	6.0							
101905	L1119019	691756	92280		0.0	1.0					1.300	1.3	U
101905	L1119020	691756	92280		1.0	2.0							
101905	L1119021	691756	92280		2.0	4.0							
101905	L1119022	691756	92280		4.0	6.0							
103601	L1136001	691816	93159		0.0	1.0					1.200	1.2	U
103601	L1136002	691816	93159		1.0	2.0							
103601	L1136003	691816	93159		2.0	4.0							
103602	L1136004	691819	93152		0.0	1.0					1.100	1.1	U
103602	L1136005	691819	93152		1.0	2.0							
103602	L1136006	691819	93152		2.0	4.0							

Table C-4c. All Post-Remedy Soil Data for Select Metals Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Silver		
											Result	DL	VQ
103603	L1136007	691811	93151		0.0	1.0					1.400	1.4	U
103603	L1136008	691811	93151		1.0	2.0							
103603	L1136009	691811	93151		2.0	4.0							
104001	L1140001	691989	92970		0.0	1.0					1.200	1.2	U
104001	L1140002	691989	92970		1.0	2.0							
104001	L1140003	691989	92970		2.0	4.0							
104001	L1140004	691989	92970		4.0	6.0							
104002	L1140005	691966	92968		0.0	1.0					1.300	1.3	U
104002	L1140007	691966	92968		1.0	2.0							
104002	L1140008	691966	92968		2.0	4.0							
104002	L1140009	691966	92968		4.0	6.0							
104003	L1140010	692020	92953		0.0	1.0					1.300	1.3	U
104003	L1140011	692020	92953		0.0	1.0							
104003	L1140013	692020	92953		2.0	4.0							
104003	L1140014	692020	92953		4.0	6.0							
104004	L1140015	691950	92925		0.0	1.0					1.300	1.3	U
104004	L1140016	691950	92925		1.0	2.0							
104004	L1140017	691950	92925		2.0	4.0							
104004	L1140018	691950	92925		4.0	6.0							
104005	L1140006	692034	92912		2.0	4.0							
104005	L1140020	692034	92912		0.0	1.0					1.300	1.3	U
104005	L1140021	692034	92912		1.0	2.0							
104005	L1140022	692034	92912		2.0	4.0							
104005	L1140023	692034	92912		4.0	6.0							
104006	L1140024	692023	92873		0.0	1.0					0.069	1.3	
104006	L1140025	692023	92873		1.0	2.0							
104006	L1140026	692023	92873		2.0	4.0							
104006	L1140027	692023	92873		4.0	6.0							
104007	L1140028	691983	92874		0.0	1.0					1.200	1.2	U
104007	L1140029	691983	92874		1.0	2.0							
104007	L1140030	691983	92874		2.0	4.0							
105001	L1150001	691709	92844		1.0	2.0							
105001	L1150002	691709	92844		2.0	4.0							
105001	L1150003	691709	92844		4.0	6.0							
105003	L1150007	691689	92828		0.0	1.0					1.300	1.3	U
105003	L1150008	691689	92828		1.0	2.0							
105003	L1150009	691689	92828		2.0	4.0							
105003	L1150010	691689	92828		4.0	6.0							
105004	L1150011	691716	92826		0.0	1.0					1.300	1.3	U
105004	L1150012	691716	92826		1.0	2.0							
105004	L1150013	691716	92826		2.0	4.0							

Table C-4c. All Post-Remedy Soil Data for Select Metals Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Silver		
											Result	DL	VQ
105004	L1150014	691716	92826		4.0	6.0							
105301	L1153001	692136	92161		1.0	2.0							
105301	L1153001A	692136	92161		0.0	1.0					1.300	1.3	U
105301	L1153003	692136	92161		2.0	4.0							
105301	L1153004	692136	92161		4.0	6.0							
105302	L1153002	692145	92145		0.0	1.0					1.200	1.2	U
105302	L1153005	692145	92145		1.0	2.0							
105302	L1153005A	692145	92145		0.0	1.0					1.300	1.3	U
105302	L1153006	692145	92145		2.0	4.0							
105302	L1153007	692145	92145		4.0	6.0							
105303	L1153008	692108	92140		1.0	2.0							
105303	L1153008A	692108	92140		0.0	1.0					1.200	1.2	U
105303	L1153009	692108	92140		2.0	4.0							
105303	L1153010	692108	92140		4.0	6.0							
106002	L1160006	691662	92877		0.0	1.0					1.200	1.2	U
106002	L1160007	691662	92877		1.0	2.0							
106002	L1160008	691662	92877		2.0	4.0							
106002	L1160009	691662	92877		4.0	6.0							
106003	L1160010	691680	92888		0.0	1.0					1.100	1.1	U
106003	L1160011	691680	92888		1.0	2.0							
106003	L1160012	691680	92888		2.0	4.0							
106003	L1160013	691680	92888		4.0	6.0							
106003	L1160014	691680	92888		4.0	6.0							
106004	L1160015	691680	92900		0.0	1.0					1.300	1.3	U
106004	L1160016	691680	92900		1.0	2.0							
106004	L1160017	691680	92900		2.0	4.0							
106004	L1160019	691680	92900		4.0	6.0							
106101	L1161001	691947	93086		0.0	1.0					1.200	1.2	U
106101	L1161002	691947	93086		1.0	2.0							
106101	L1161003	691947	93086		2.0	4.0							
106101	L1161004	691947	93086		4.0	6.0							
106102	L1161005	691909	93057		0.0	1.0					1.300	1.3	U
106102	L1161006	691909	93057		1.0	2.0							
106102	L1161007	691909	93057		1.0	2.0							
106102	L1161008	691909	93057		2.0	4.0							
106102	L1161009	691909	93057		4.0	6.0							
106104	L1161014	691956	93011		0.0	1.0					1.300	1.3	U
106104	L1161015	691956	93011		1.0	2.0							
106104	L1161016	691956	93011		2.0	4.0							
106104	L1161017	691956	93011		4.0	6.0							
106301	L1163009	692099	92970		0.0	1.0					1.400	1.4	U

Table C-4c. All Post-Remedy Soil Data for Select Metals Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Silver		
											Result	DL	VQ
106301	L1163010	692099	92970		1.0	2.0							
106301	L1163011	692099	92970		2.0	4.0							
106301	L1163012	692099	92970		4.0	6.0							
106302	L1163013	692094	92997		0.0	1.0					1.300	1.3	U
106302	L1163015	692094	92997		2.0	4.0							
106302	L1163016	692094	92997		4.0	6.0							
106303	L1163017	692099	93024		0.0	1.0					1.200	1.2	U
106303	L1163018	692099	93024		1.0	2.0							
106303	L1163019	692099	93024		2.0	4.0							
106303	L1163020	692099	93024		4.0	6.0							
106304	L1163021	692101	93040		0.0	1.0					1.400	1.4	U
106304	L1163022	692101	93040		1.0	2.0							
106304	L1163023	692101	93040		2.0	4.0							
106304	L1163024	692101	93040		4.0	6.0							
106305	L1163025	692073	93131		0.0	1.0					1.400	1.4	U
106305	L1163026	692073	93131		1.0	2.0							
106305	L1163027	692073	93131		1.0	2.0							
106305	L1163028	692073	93131		2.0	4.0							
106305	L1163029	692073	93131		4.0	6.0							
106306	L1163030	692055	93147		0.0	1.0					1.300	1.3	U
106306	L1163031	692055	93147		1.0	2.0							
106306	L1163032	692055	93147		2.0	4.0							
106306	L1163033	692055	93147		4.0	6.0							
106307	L1163034	692088	93113		0.0	1.0					1.200	1.2	U
106307	L1163035	692088	93113		1.0	2.0							
106307	L1163036	692088	93113		2.0	4.0							
106307	L1163037	692088	93113		4.0	6.0							
106308	L1163038	692094	93102		0.0	1.0					1.300	1.3	U
106308	L1163039	692094	93102		1.0	2.0							
106308	L1163040	692094	93102		2.0	4.0							
106308	L1163041	692094	93102		4.0	6.0							
106401	L1164001	692022	93174		0.0	1.0					1.300	1.3	U
106401	L1164002	692022	93174		1.0	2.0							
106401	L1164003	692022	93174		2.0	4.0							
106401	L1164004	692022	93174		4.0	6.0							
106401	L1164018	692022	93174		0.0	1.0					1.200	1.2	U
106402	L1164005	692011	93185		0.0	1.0					1.300	1.3	U
106402	L1164006	692011	93185		4.0	6.0							
106402	L1164007	692011	93185		2.0	4.0							
106402	L1164008	692011	93185		4.0	6.0							
106403	L1164009	692000	93195		0.0	1.0					1.200	1.2	U

Table C-4c. All Post-Remedy Soil Data for Select Metals Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Silver		
											Result	DL	VQ
106403	L1164010	692000	93195		1.0	2.0							
106403	L1164011	692000	93195		2.0	4.0							
106403	L1164012	692000	93195		4.0	6.0							
106403	L1164013	692000	93195		4.0	6.0							
106404	L1164014	691970	93215		2.0	4.0					1.300	1.3	U
106404	L1164015	691970	93215		1.0	2.0							
106404	L1164016	691970	93215		2.0	4.0							
106404	L1164017	691970	93215		4.0	6.0							
106501	L1165001	692089	92859		0.0	1.0					1.100	1.1	U
106501	L1165002	692089	92859		1.0	2.0							
106501	L1165003	692089	92859		2.0	4.0							
106501	L1165004	692089	92859		4.0	6.0							
106501	L1165005	692089	92859		4.0	6.0							
106502	L1165006	692086	92848		0.0	1.0					1.300	1.3	U
106502	L1165007	692086	92848		1.0	2.0							
106502	L1165008	692086	92848		2.0	4.0							
106502	L1165009	692086	92848		4.0	6.0							
106503	L1165010	692175	92980		0.0	1.0					1.300	1.3	U
106503	L1165011	692175	92980		1.0	2.0							
106503	L1165012	692175	92980		2.0	4.0							
106503	L1165013	692175	92980		4.0	6.0							
106503	L1165030	692175	92980		1.0	2.0							
106504	L1165014	692161	92912		0.0	1.0					1.300	1.3	U
106504	L1165015	692161	92912		1.0	2.0							
106504	L1165016	692161	92912		2.0	4.0							
106504	L1165017	692161	92912		4.0	6.0							
106505	L1165018	692194	92823		0.0	1.0					1.300	1.3	U
106505	L1165019	692194	92823		1.0	2.0							
106505	L1165020	692194	92823		2.0	4.0							
106505	L1165021	692194	92823		4.0	6.0							
106506	L1165022	692273	92884		0.0	1.0					1.300	1.3	U
106506	L1165023	692273	92884		1.0	2.0							
106506	L1165024	692273	92884		2.0	4.0							
106506	L1165025	692273	92884		4.0	6.0							
106507	L1165026	692267	92904		0.0	1.0					1.200	1.2	U
106507	L1165027	692267	92904		1.0	2.0							
106507	L1165028	692267	92904		2.0	4.0							
106507	L1165029	692267	92904		4.0	6.0							
106507	L1165031	692267	92904		0.0	1.0					1.200	1.2	U
106601	L1166001	691723	92395		0.0	1.0					1.300	1.3	U
106601	L1166002	691723	92395		1.0	2.0							

Table C-4c. All Post-Remedy Soil Data for Select Metals Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Silver		
											Result	DL	VQ
106601	L1166003	691723	92395		2.0	4.0							
106601	L1166004	691723	92395		4.0	6.0							
106602	L1166007	691680	92381		0.0	1.0					1.700	1.7	U
106602	L1166008	691680	92381		1.0	2.0							
106602	L1166009	691680	92381		2.0	4.0							
106602	L1166010	691680	92381		4.0	6.0							
106701	L1167001	691949	93193		0.0	1.0					1.200	1.2	U
106701	L1167002	691949	93193		1.0	2.0							
106701	L1167003	691949	93193		2.0	4.0							
106701	L1167004	691949	93193		4.0	6.0							
106702	L1167005	691953	93162		0.0	1.0					1.300	1.3	U
106702	L1167006	691953	93162		1.0	2.0							
106702	L1167007	691953	93162		1.0	2.0							
106702	L1167008	691953	93162		4.0	6.0							
106703	L1167009	691973	93141		0.0	1.0					1.200	1.2	U
106703	L1167010	691973	93141		1.0	2.0							
106703	L1167011	691973	93141		2.0	4.0							
106703	L1167012	691973	93141		4.0	6.0							
107001	L1170001	691981	92458		0.0	1.0					1.200	1.2	U
107001	L1170002	691981	92458		1.0	2.0							
107001	L1170003	691981	92458		2.0	4.0							
107001	L1170004	691981	92458		4.0	6.0							
107002	L1170005	691961	92498		0.0	1.0					1.400	1.4	U
107002	L1170006	691961	92498		1.0	2.0							
107002	L1170007	691961	92498		2.0	4.0							
107002	L1170008	691961	92498		4.0	6.0							
107004	L1170014	691976	92478		0.0	1.0					1.200	1.2	U
107004	L1170015	691976	92478		1.0	2.0							
107004	L1170016	691976	92478		2.0	4.0							
107004	L1170017	691976	92478		4.0	6.0							
107101	L1171001	691874	92664		0.0	1.0					1.200	1.2	U
107101	L1171002	691874	92664		1.0	2.0							
107101	L1171003	691874	92664		2.0	4.0							
107101	L1171004	691874	92664		4.0	6.0							
107201	L1172001	691875	92586		0.0	1.0					1.300	1.3	U
107201	L1172002	691875	92586		1.0	2.0							
107201	L1172003	691875	92586		2.0	4.0							
107201	L1172004	691875	92586		4.0	6.0							
107201	L1172005	691875	92586		4.0	6.0							
107303	L1173009	691882	92517		0.0	1.0					1.800	1.8	U
107303	L1173010	691882	92517		1.0	2.0							

Table C-4c. All Post-Remedy Soil Data for Select Metals Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Silver		
											Result	DL	VQ
107303	L1173011	691882	92517		2.0	4.0							
107303	L1173012	691882	92517		4.0	6.0							
107304	L1173013	691895	92491		0.0	1.0					1.200	1.2	U
107304	L1173014	691895	92491		1.0	2.0							
107304	L1173015	691895	92491		2.0	4.0							
107304	L1173016	691895	92491		4.0	6.0							
107305	L1173017	691925	92475		0.0	1.0					1.300	1.3	U
107305	L1173018	691925	92475		1.0	2.0							
107305	L1173019	691925	92475		2.0	4.0							
107305	L1173020	691925	92475		4.0	6.0							
107401	L1174001	691962	92425		0.0	1.0					1.300	1.3	U
107401	L1174002	691962	92425		1.0	2.0							
107401	L1174003	691962	92425		2.0	4.0							
107401	L1174004	691962	92425		4.0	6.0							
107501	L1175001	691970	92319		0.0	1.0					1.300	1.3	U
107501	L1175002	691970	92319		1.0	2.0							
107501	L1175003	691970	92319		2.0	4.0							
107501	L1175004	691970	92319		4.0	6.0							
107601	L1176001	691995	92243		0.0	1.0					1.300	1.3	U
107601	L1176002	691995	92243		1.0	2.0							
107601	L1176003	691995	92243		1.0	2.0							
107601	L1176004	691995	92243		2.0	4.0							
107601	L1176005	691995	92243		4.0	6.0							
107701	L1177001	691839	93355		0.0	1.0					1.400	1.4	U
107701	L1177002	691839	93355		1.0	2.0							
107701	L1177003	691839	93355		2.0	4.0							
107701	L1177004	691839	93355		4.0	6.0							
108501	L1185001	692145	93053		0.0	1.0					1.200	1.2	U
108501	L1185002	692145	93053		1.0	2.0							
108501	L1185003	692145	93053		2.0	4.0							
108501	L1185004	692145	93053		4.0	6.0							
108502	L1185005	692193	93114		0.0	1.0					1.200	1.2	U
108502	L1185006	692193	93114		1.0	2.0							
108502	L1185007	692193	93114		1.0	2.0							
108502	L1185009	692193	93114		4.0	6.0							
110001	L11100001	691889	92747		0.0	1.0					210.000	1.5	
110001	L11100002	691889	92747		1.0	2.0							
110001	L11100003	691889	92747		2.0	4.0							
110001	L11100004	691889	92747		2.0	4.0							
110003	L11100009	691958	92733		4.0	6.0							
110003	L11100010	691958	92733		0.0	1.0					1.200	1.2	U

Table C-4c. All Post-Remedy Soil Data for Select Metals Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Silver		
											Result	DL	VQ
110003	L11100011	691958	92733		1.0	2.0							
110003	L11100012	691958	92733		1.0	2.0							
110003	L11100013	691958	92733		2.0	4.0							
110003	L11100014	691958	92733		4.0	6.0							
110021	L111002001	691703	92269		0.0	1.0					0.660	1.3	
110021	L111002002	691703	92269		0.0	1.0					1.300	1.3	U
110021	L111002003	691703	92269		1.0	2.0							
110021	L111002004	691703	92269		2.0	4.0							
110021	L111002005	691703	92269		4.0	6.0							
110021	L111002006	691703	92269		4.0	6.0							
112421	L11124001	691974	93402		1.0	2.0							
112421	L11124002	691974	93402		2.0	4.0							
112421	L11124003	691974	93402		4.0	6.0							
112422	L11124004	691977	93392		1.0	2.0							
112422	L11124005	691977	93392		2.0	4.0							
112422	L11124006	691977	93392		4.0	6.0							
112423	L11124007	691956	93454		1.0	2.0							
112423	L11124008	691956	93454		2.0	4.0							
112423	L11124009	691956	93454		4.0	6.0							
112901	L11129001	691933	93378		1.0	2.0							
112901	L11129002	691933	93378		2.0	4.0							
112901	L11129003	691933	93378		4.0	6.0							
112902	L11129004	691961	93373		1.0	2.0							
112902	L11129005	691961	93373		2.0	4.0							
112902	L11129006	691961	93373		2.0	4.0							
112903	L11129007	691939	93367		1.0	2.0							
112903	L11129008	691939	93367		2.0	4.0							
112903	L11129009	691939	93367		4.0	6.0							
115201	L11152001	691670	93440		1.0	2.0							
115201	L11152002	691670	93440		2.0	4.0							
115202	L11152003	691677	93430		1.0	2.0							
115202	L11152004	691677	93430		2.0	4.0							
115203	L11152005	691655	93409		1.0	2.0							
115203	L11152006	691655	93409		2.0	4.0							
115204	L11152007	691646	93444		1.0	2.0							
115204	L11152008	691646	93444		2.0	4.0							
115205	L11152009	691681	93484		1.0	2.0							
115205	L11152009DL	691681	93484		1.0	2.0							
115205	L11152011	691681	93484		2.0	4.0							
115206	L11152012	691648	93431		1.0	2.0							
115206	L11152013	691648	93431		2.0	4.0							

Table C-4c. All Post-Remedy Soil Data for Select Metals Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Silver		
											Result	DL	VQ
115207	L11152014	691651	93420		1.0	2.0							
115207	L11152015	691651	93420		2.0	4.0							
115501	L11155001	691829	92890		0.0	1.0					1.300	1.3	U
115501	L11155002	691829	92890		1.0	2.0							
115501	L11155003	691829	92890		2.0	4.0							
115501	L11155004	691829	92890		4.0	6.0							
115501	L11155005	691829	92890		4.0	6.0							
115502	L11155006	691921	92626		0.0	1.0					1.200	1.2	U
115502	L11155007	691921	92626		1.0	2.0							
115502	L11155008	691921	92626		2.0	4.0							
115502	L11155009	691921	92626		4.0	6.0							
115503	L11155010	692016	92333		0.0	1.0					1.200	1.2	U
115503	L11155011	692016	92333		1.0	2.0							
115503	L11155012	692016	92333		2.0	4.0							
116901	L11169001	691798	92297		0.0	1.0							
116901	L11169002	691798	92297		1.0	2.0							
116902	L1169003	691703	93210		0.0	1.0							
116902	L1169004	691703	93210		1.0	2.0							
116903	L11169005	691920	92946		0.0	1.0							
116903	L11169006	691920	92946		1.0	2.0							
116904	L11169007	691946	92866		0.0	1.0							
116904	L11169008	691946	92866		1.0	2.0							
116905	L11169009	692120	92125		0.0	1.0							
116905	L11169010	692120	92125		1.0	2.0							
116906	L11169011	692028	92646		1.0	2.0							
116907	L11169013	692114	92355		0.0	1.0							
116907	L11169014	692114	92355		1.0	2.0							
116908	L11169016	692066	92273		0.0	1.0							
116908	L11169017	692066	92273		1.0	2.0							
116909	L11169018	691757	92233		0.0	1.0							
116909	L11169019	691757	92233		1.0	2.0							
116910	L11169020	691979	93373		0.0	1.0							
116910	L11169021	691979	93373		1.0	2.0							
116911	L11169022	691769	93328		0.0	1.0							
116911	L11169023	691769	93328		1.0	2.0							
116912	L11169024	691863	93415		0.0	1.0							
116912	L11169025	691863	93415		1.0	2.0							
116913	L11169026	691701	92898		0.0	1.0							
116913	L11169027	691701	92898		1.0	2.0							
116914	L11169028	691725	93411		0.0	1.0							
116914	L11169028DL	691725	93411		0.0	1.0							

Table C-4c. All Post-Remedy Soil Data for Select Metals Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Silver		
											Result	DL	VQ
116914	L11169029	691725	93411		1.0	2.0							
116914	L11169029DL	691725	93411		1.0	2.0							
116915	L11169030	691883	93355		0.0	1.0							
116915	L11169031	691883	93355		0.0	1.0							
116916	L11169032	692204	93063		0.0	1.0							
116916	L11169033	692204	93063		0.0	1.0							
116916	L11169034	692204	93063		1.0	2.0							
116917	L11169035	691698	92263		0.0	1.0							
116917	L11169036	691698	92263		1.0	2.0							
116918	L11169037	691949	93168		0.0	1.0							
116918	L11169038	691949	93168		1.0	2.0							
116919	L11169039	692104	92656		0.0	1.0							
116919	L11169040	692104	92656		1.0	2.0							
116920	L11169041	691813	92098		0.0	1.0							
116920	L11169042	691813	92098		1.0	2.0							
116920	L11169043	691813	92098		1.0	2.0							
116921	L11169044	692141	92572		0.0	1.0							
116921	L11169045	692141	92572		1.0	2.0							
116922	L11169046	692089	92779		0.0	1.0							
116922	L11169047	692089	92779		1.0	2.0							
116925	L11169052	691675	93311		0.0	1.0							
116925	L11169053	691675	93311		1.0	2.0							
160302	L1163014	692094	92997		1.0	2.0							
163701	L1163001	691731	92351		0.0	1.0					1.400	1.4	U
163701	L1163002	691731	92351		1.0	2.0							
163701	L1163003	691731	92351		2.0	4.0							
163701	L1163004	691731	92351		4.0	6.0							
163702	L1163005	691759	92309		0.0	1.0					1.600	1.6	U
163702	L1163006	691759	92309		1.0	2.0							
163702	L1163007	691759	92309		2.0	4.0							
163702	L1163008	691759	92309		4.0	6.0							
10DD01	L110DD001	691669	93262		0.0	1.0					0.051	1.2	
10DD01	L110DD002	691669	93262		1.0	2.0							
10DD01	L110DD003	691669	93262		2.0	4.0							
10DD01	L110DD004	691669	93262		4.0	6.0							
10DD02	L110DD005	691641	93234		0.0	1.0					1.400	1.4	U
10DD02	L110DD006	691641	93234		1.0	2.0							
10DD02	L110DD007	691641	93234		2.0	4.0							
10DD02	L110DD008	691641	93234		4.0	6.0							
10DD03	L110DD009	691565	93119		0.0	1.0					1.300	1.3	U
10DD03	L110DD010	691565	93119		1.0	2.0							

Table C-4c. All Post-Remedy Soil Data for Select Metals Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Silver		
											Result	DL	VQ
10DD03	L110DD011	691565	93119		2.0	4.0							
10DD03	L110DD012	691565	93119		4.0	6.0							
10DD04	L110DD013	691508	93081		0.0	1.0					1.300	1.3	U
10DD04	L110DD014	691508	93081		1.0	2.0							
10DD04	L110DD015	691508	93081		2.0	4.0							
10DD04	L110DD016	691508	93081		2.0	4.0							
10DD04	L110DD017	691508	93081		4.0	6.0							
10DD05	L110DD018	691525	93099		0.0	1.0					1.400	1.4	U
10DD05	L110DD019	691525	93099		1.0	2.0							
10DD07	L110DD026	691660	93153		0.0	1.0					1.200	1.2	U
10DD07	L110DD027	691660	93153		1.0	2.0							
10DD07	L110DD028	691660	93153		2.0	4.0							
10DD07	L110DD029	691660	93153		4.0	6.0							
10DD09	L110DD034	691861	92762		0.0	1.0					1.300	1.3	U
10DD09	L110DD035	691861	92762		1.0	2.0							
10DD09	L110DD036	691861	92762		2.0	4.0							
10DD09	L110DD037	691861	92762		4.0	6.0							
10DD10	L110DD038	691839	92768		0.0	1.0					12.000	1.4	
10DD10	L110DD039	691839	92768		0.0	1.0					12.000	1.4	
10DD10	L110DD040	691839	92768		1.0	2.0							
10DD10	L110DD041	691839	92768		2.0	4.0							
10DD10	L110DD042	691839	92768		4.0	6.0							
10DD11	L110DD043	691762	92784		0.0	1.0					49.000	1.5	
10DD11	L110DD044	691762	92784		1.0	2.0							
10DD11	L110DD045	691762	92784		1.0	2.0							
10DD11	L110DD046	691762	92784		2.0	4.0							
10DD11	L110DD047	691762	92784		4.0	6.0							
10DD12	L110DD048	691726	92790		0.0	1.0					0.320	1.4	
10DD12	L110DD049	691726	92790		1.0	2.0							
10DD12	L110DD050	691726	92790		2.0	4.0							
10DD12	L110DD051	691726	92790		4.0	6.0							
10DD13	L110DD052	691627	92701		0.0	1.0					1.300	1.3	U
10DD13	L110DD053	691627	92701		1.0	2.0							
10DD13	L110DD054	691627	92701		2.0	4.0							
10DD13	L110DD055	691627	92701		4.0	6.0							
10DD14	L110DD056	691617	92673		0.0	1.0					1.300	1.3	U
10DD14	L110DD057	691617	92673		1.0	2.0							
10DD14	L110DD058	691617	92673		2.0	4.0							
10DD14	L110DD059	691617	92673		4.0	6.0							
10DD15	L110DD060	691625	92545		0.0	1.0					1.200	1.2	U
10DD15	L110DD061	691625	92545		1.0	2.0							

Table C-4c. All Post-Remedy Soil Data for Select Metals Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Silver		
											Result	DL	VQ
10DD15	L110DD062	691625	92545		2.0	4.0							
10DD15	L110DD063	691625	92545		4.0	6.0							
10DD16	L110DD065	691588	92546		1.0	2.0							
10DD16	L110DD066	691588	92546		2.0	4.0							
10DD16	L110DD067	691588	92546		4.0	6.0							
10DD17	L110DD069	691547	92435		1.0	2.0							
10DD17	L110DD070	691547	92435		2.0	4.0							
10DD17	L110DD071	691547	92435		4.0	6.0							
10DD17	L110DD072	691547	92435		4.0	6.0							
10DD18	L110DD074	691582	92419		1.0	2.0							
10DD18	L110DD075	691582	92419		2.0	4.0							
10DD18	L110DD076	691582	92419		4.0	6.0							
10DD19	L110DD077	691678	92547		0.0	1.0					1.500	1.5	U
10DD19	L110DD078DL	691678	92547		1.0	2.0							
10DD19	L110DD079DL	691678	92547		2.0	4.0							
10DD20	L110DD081	691806	92511		0.0	1.0					1.300	1.3	U
10DD20	L110DD082	691806	92511		1.0	2.0							
10DD20	L110DD083	691806	92511		2.0	4.0							
10DD20	L110DD084	691806	92511		4.0	6.0							
10DD21	L110DD085	691838	92504		0.0	1.0					1.300	1.3	U
10DD21	L110DD086	691838	92504		1.0	2.0							
10DD21	L110DD087	691838	92504		2.0	4.0							
10DD21	L110DD088	691838	92504		4.0	6.0							
10DD22	L110DD089	691858	92111		0.0	1.0					1.300	1.3	U
10DD22	L110DD090	691858	92111		1.0	2.0							
10DD22	L110DD091	691858	92111		2.0	4.0							
10DD22	L110DD092	691858	92111		4.0	6.0							
10DD23	L110DD094	691798	92021		1.0	2.0							
10DD23	L110DD095	691798	92021		2.0	4.0							
10DD23	L110DD096	691798	92021		4.0	6.0							
10DD25	L110DD102	691742	92808		2.0	4.0					1.300	1.3	U
10DD25	L110DD103	691742	92808		1.0	2.0							
10DD25	L110DD104	691742	92808		2.0	4.0							
10DD25	L110DD105	691742	92808		4.0	6.0							
10DD26	L110DD106	691759	92856		0.0	1.0					1.300	1.3	U
10DD26	L110DD107	691759	92856		1.0	2.0							
10DD26	L110DD108	691759	92856		2.0	4.0							
10DD26	L110DD109	691759	92856		4.0	6.0							
10DD27	L110DD110	691918	91943		0.0	1.0					1.300	1.3	U
10DD27	L110DD111	691918	91943		1.0	2.0							
10DD27	L110DD112	691918	91943		2.0	4.0							

Table C-4c. All Post-Remedy Soil Data for Select Metals Constituents at Line 1 (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	EU	Excavation Area	Excavation No.	Location	Silver				
											Result	DL	VQ		
10DD27	L110DD113	691918	91943		4.0	6.0									
10DD28	L110DD115	691840	91886		1.0	2.0									
10DD28	L110DD116	691840	91886		2.0	4.0									
10DD28	L110DD117	691840	91886		4.0	6.0									
10DD29	L110DD131	691632	93305		0.0	1.0					1.300	1.3	U		
10DD29	L110DD132	691632	93305		1.0	2.0									
10DD29	L110DD133	691632	93305		2.0	4.0									
10DD29	L110DD134	691632	93305		4.0	6.0									
L1-E2-C001	IAAP112183						EU3	A	2	east wall BC 1 and 4	0.85	0.85	U		
L1-E2-C002	IAAP112184											south wall BC 1 and 2	0.85	0.85	U
L1-E2-C003	IAAP112185											west wall BC 2 and 3	0.91	0.91	U
L1-E2-C004	IAAP112186											north wall BC 3 and 4	0.84	0.84	U
L1-E2-C005	IAAP112187											floor of EXC	0.90	0.9	U
L1-E2-C006	IAAP112187-1											FD of IAAP112187	0.89	0.89	U
L1-E7-C001	IAAP112242						EU4	B & C	7 & 8	NW wall BC 1 and 2	0.86	0.86	U		
L1-E7-C002	IAAP112243											NE wall BC 1, 5, and 4	0.86	0.86	U
L1-E7-C003	IAAP112244											SW wall BC 3 and 4	0.92	0.92	U
L1-E7-C004	IAAP112245											SE wall BC 2 and 3	0.87	0.87	U
L1-E7-C005	IAAP112246											floor of EXC	0.88	0.88	U
L1-E10-C001	IAAP112253						EU4	E	10	north wall BC 12, 13, and 1	1.60	1.6	U		
L1-E10-C002	IAAP112254											east wall BC 1 and 2	1.60	1.6	U
L1-E10-C003	IAAP112255											south wall BC 6 and 7	1.60	1.6	U
L1-E10-C004	IAAP112256											west wall BC 11 and 12	4.00	1.6	=
L1-E10-C005	IAAP112257											floor of EXC	2.30	1.7	=
L1-E14-C001	IAAP112292						EU5	D	14	north wall BC 1 and 8	0.92	0.92	U		
L1-E14-C002	IAAP112293											east wall BC 1 and 2	0.92	0.92	U
L1-E14-C004	IAAP112295											west wall BC 7 and 8	0.94	0.94	U
L1-E14-C005	IAAP112296											floor of EXC	0.90	0.9	U
L1-E20-C001	IAAP112327						EU5	J	20	north wall BC 1 and 2	0.84	0.84	U		
L1-E20-C002	IAAP112328											east wall BC 2 and 3	0.84	0.84	U
L1-E20-C005	IAAP112328-1											FD of IAAP112328	0.85	0.85	U
L1-E20-C006	IAAP112330											floor of EXC	0.81	0.81	U

Notes:

VQ symbols indicate: “=” positive identification, positive quantitation, no reason to estimate, “U” non-detect, no reason to estimate, “J” positive identification, estimated quantitation, “UJ” analyte was not detected and had QC deficiencies.

APPENDIX D

**ADULT LEAD METHODOLOGY CALCUATIONS FOR LINE 1
EXCAVATION AREA 3A**

(On the CD-ROM on the Back Cover of this Report)

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ATTACHMENT D-1

**CALCULATIONS FOR EXPOSURE POINT CONCENTRATIONS FOR USE IN THE
USEPA's ADULT LEAD MODEL FOR LINE 1 SAMPLE LOCATIONS AROUND
EXCAVATION AREA EU3-A**

(On the CD-ROM on the Back Cover of this Report)

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Table D-1-1. IAAAP Line 1 FUSRAP Characterization Data (0- to 1-Ft Depth) Plus Post-Remedy Verification Data and Exposure Point Calculation for Lead - Excavation Area 3A: Site Worker

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	Location (Post Remedy Samples)	Lead		
								Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TCR=1E-06; THQ=1.0) ^a :								1,000	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :								---	---	---
USEPA RSL for Industrial Soil (TCR=1E-04; THQ=1.0)^b:								800	---	---
<i>Eco CC^c:</i>								<i>11,706</i>	---	---
<u>Maximum IAAAP Background Soil Concentration^d:</u>								<u>5,900</u>	---	---
IAAP100000	IAAP100000	691723.44	93385.79	03/28/07	0	0.5	---	454.00	2	=
IAAP100000	IAAP100001	691723.44	93385.79	03/28/07	0.5	1	---	148.00	2.1	=
IAAP100002	IAAP100002	691726.92	93376.03	03/28/07	0	0.5	---	742.00	2.3	=
IAAP100002	IAAP100003	691726.92	93376.03	03/28/07	0.5	1	---	111.00	2.3	=
IAAP100004	IAAP100004	691732.81	93366.73	03/28/07	0	0.5	---	245.00	2.2	=
IAAP100004	IAAP100005	691732.81	93366.73	03/28/07	0.5	1	---	67.70	2.2	=
IAAP100006	IAAP100006	691735.81	93358.42	03/28/07	0	0.5	---	130.00	2.2	=
IAAP100006	IAAP100007	691735.81	93358.42	03/28/07	0.5	1	---	22.00	2.1	=
IAAP100008	IAAP100008	691739.66	93346.54	03/28/07	0	0.5	---	197.00	2.2	=
IAAP100008	IAAP100009	691739.66	93346.54	03/28/07	0.5	1	---	92.00	2.2	=
IAAP103900	IAAP103900	691723.57	93391.67	05/29/07	0	0.5	---	98.40	0.83	J
IAAP103900	IAAP103901	691723.57	93391.67	05/29/07	0.5	1	---	32.70	0.8	J
IAAP103900	IAAP103903	691723.57	93391.67	05/29/07	1.5	2	---	25.30	0.19	J
IAAP103904	IAAP103904	691713.05	93388.24	05/29/07	0	0.5	---	55.80	0.17	J
IAAP103904	IAAP103905	691713.05	93388.24	05/29/07	0.5	1	---	21.80	0.18	J
IAAP111608	IAAP111608	691729.54	93383.8	09/25/08	0	0.5	---	66.70	0.96	J
IAAP96976	IAAP96976	COMPOSITE	COMPOSITE	11/14/06	0	0.5	---	1,450.00	0.99	=

Table D-1-1. IAAAP Line 1 FUSRAP Characterization Data (0- to 1-Ft Depth) Plus Post-Remedy Verification Data and Exposure Point Calculation for Lead - Excavation Area 3A: Site Worker

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	Location (Post Remedy Samples)	Lead		
								Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TCR=1E-06; THQ=1.0) ^a :								1,000	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :								---	---	---
USEPA RSL for Industrial Soil (TCR=1E-04; THQ=1.0)^b:								800	---	---
<i>Eco CC^c:</i>								<i>11,706</i>	---	---
<u>Maximum IAAAP Background Soil Concentration^d:</u>								<u>5,900</u>	---	---
L1-E2-C001	IAAP112183	---	---	---	---	---	east wall BC 1 and 4	96.30	0.4	J
L1-E2-C002	IAAP112184	---	---	---	---	---	south wall BC 1 and 2	99.60	0.4	J
L1-E2-C003	IAAP112185	---	---	---	---	---	west wall BC 2 and 3	38.20	1.1	J
L1-E2-C004	IAAP112186	---	---	---	---	---	north wall BC 3 and 4	128.00	0.4	J
L1-E2-C005	IAAP112187	---	---	---	---	---	floor of EXC	42.90	0.42	J
Mean Concentration (EPC):								198.38		
Maximum Reported Concentration (Detects and Non-Detects):								1,450.00	---	=
Maximum Detected Concentration:								1,450.00	---	=
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TCR=1E-06; THQ=1.0):								1	---	---
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection):								---	---	---
Number of Sample Results Greater than USEPA RSL for Industrial Soil (TCR=1E-04; THQ=1.0):								1	---	---
Number of Sample Results Greater than Eco CC:								0	---	---
Number of Sample Results Greater than Maximum IAAAP Background Soil Concentration:								0	---	---

^a Gray-shaded concentrations exceed the corresponding IAAAP OU-1 ROD RGs protective of an industrial worker ingesting soil (USACE 1998a).

^b Concentrations in **bold** exceed the corresponding RSLs (USEPA 2018a) protective of an industrial worker exposed to soil via ingestion, dermal contact, and dust inhalation.

^c Concentrations in *italics* exceed the corresponding Eco CCs calculated for Line 1.

^d Underlined concentrations exceed the corresponding maximum IAAAP background concentrations.

Notes:

"--" Indicates that there is no comparison value available.

All results and comparison values are in mg/kg.

NA - Maximum detected result is not available because all results reported for the parameter are non-detect.

VQ symbols indicate: “=” positive identification, positive quantitation, no reason to estimate, “U” non-detect, no reason to estimate,

“J” positive identification, estimated quantitation, “UJ” analyte was not detected and had QC deficiencies.

Table D-1-2. IAAAP Line 1 FUSRAP All Characterization Data (0- to 2-Ft Depth) Plus Post-Remedy Verification Data and Exposure Point Calculation for Lead - Excavation Area 3A: Site Worker and Construction Worker

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	Location (Post Remedy Samples)	Lead		
								Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TCR=1E-06; THQ=1.0) ^a :								1,000	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :								---	---	---
USEPA RSL for Industrial Soil (TCR=1E-04; THQ=1.0)^b:								800	---	---
<i>Eco CC^c:</i>								<i>11,706</i>	---	---
Maximum IAAAP Background Soil Concentration ^d :								<u>5,900</u>	---	---
IAAP100000	IAAP100000	691723.44	93385.79	03/28/07	0	0.5	---	454.00	2	=
IAAP100000	IAAP100001	691723.44	93385.79	03/28/07	0.5	1	---	148.00	2.1	=
IAAP100000	IAAP100112	691723.44	93385.79	03/28/07	1	1.5	---	135.00	2	=
IAAP100002	IAAP100002	691726.92	93376.03	03/28/07	0	0.5	---	742.00	2.3	=
IAAP100002	IAAP100003	691726.92	93376.03	03/28/07	0.5	1	---	111.00	2.3	=
IAAP100002	IAAP100113	691726.92	93376.03	03/28/07	1	1.5	---	37.40	2.4	=
IAAP100004	IAAP100004	691732.81	93366.73	03/28/07	0	0.5	---	245.00	2.2	=
IAAP100004	IAAP100005	691732.81	93366.73	03/28/07	0.5	1	---	67.70	2.2	=
IAAP100004	IAAP100114	691732.81	93366.73	03/28/07	1	1.5	---	21.80	2	=
IAAP100006	IAAP100006	691735.81	93358.42	03/28/07	0	0.5	---	130.00	2.2	=
IAAP100006	IAAP100007	691735.81	93358.42	03/28/07	0.5	1	---	22.00	2.1	=
IAAP100006	IAAP100115	691735.81	93358.42	03/28/07	1	1.5	---	47.70	2.2	=
IAAP100008	IAAP100008	691739.66	93346.54	03/28/07	0	0.5	---	197.00	2.2	=
IAAP100008	IAAP100009	691739.66	93346.54	03/28/07	0.5	1	---	92.00	2.2	=
IAAP100008	IAAP100116	691739.66	93346.54	03/28/07	1	1.5	---	22.60	2.3	=
IAAP103900	IAAP103900	691723.57	93391.67	05/29/07	0	0.5	---	98.40	0.83	J
IAAP103900	IAAP103901	691723.57	93391.67	05/29/07	0.5	1	---	32.70	0.8	J
IAAP103900	IAAP103902	691723.57	93391.67	05/29/07	1	1.5	---	18.80	0.19	J
IAAP103900	IAAP103903	691723.57	93391.67	05/29/07	1.5	2	---	25.30	0.19	J
IAAP103904	IAAP103904	691713.05	93388.24	05/29/07	0	0.5	---	55.80	0.17	J
IAAP103904	IAAP103905	691713.05	93388.24	05/29/07	0.5	1	---	21.80	0.18	J
IAAP103904	IAAP103906	691713.05	93388.24	05/29/07	1	1.5	---	12.70	0.18	J
IAAP103904	IAAP103907	691713.05	93388.24	05/29/07	1.5	2	---	14.50	0.18	J
IAAP111608	IAAP111608	691729.54	93383.8	09/25/08	0	0.5	---	66.70	0.96	J
IAAP96976	IAAP111609	COMPOSITE	COMPOSITE	09/25/08	1	2	---	32.20	0.43	J

Table D-1-2. IAAAP Line 1 FUSRAP All Characterization Data (0- to 2-Ft Depth) Plus Post-Remedy Verification Data and Exposure Point Calculation for Lead - Excavation Area 3A: Site Worker and Construction Worker

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	Location (Post Remedy Samples)	Lead		
								Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TCR=1E-06; THQ=1.0) ^a :								1,000	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :								---	---	---
USEPA RSL for Industrial Soil (TCR=1E-04; THQ=1.0)^b:								800	---	---
<i>Eco CC^c:</i>								<i>11,706</i>	---	---
<u>Maximum IAAAP Background Soil Concentration^d:</u>								<u>5,900</u>	---	---
IAAP96976	IAAP96976	COMPOSITE	COMPOSITE	11/14/06	0	0.5	---	1,450.00	0.99	=
L1-E2-C001	IAAP112183	---	---	---	---	---	east wall BC 1 and 4	96.30	0.4	J
L1-E2-C002	IAAP112184	---	---	---	---	---	south wall BC 1 and 2	99.60	0.4	J
L1-E2-C003	IAAP112185	---	---	---	---	---	west wall BC 2 and 3	38.20	1.1	J
L1-E2-C004	IAAP112186	---	---	---	---	---	north wall BC 3 and 4	128.00	0.4	J
L1-E2-C005	IAAP112187	---	---	---	---	---	floor of EXC	42.90	0.42	J
Mean Concentration (EPC):								151.84		
Maximum Reported Concentration (Detects and Non-Detects):								1,450.00	---	=
Maximum Detected Concentration:								1,450.00	---	=
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TCR=1E-06; THQ=1.0):								1	---	---
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection):								---	---	---
Number of Sample Results Greater than USEPA RSL for Industrial Soil (TCR=1E-04; THQ=1.0):								1	---	---
Number of Sample Results Greater than Eco CC:								0	---	---
Number of Sample Results Greater than Maximum IAAAP Background Soil Concentration:								0	---	---

^a Gray-shaded concentrations exceed the corresponding IAAAP OU-1 ROD RGs protective of an industrial worker ingesting soil (USACE 1998a).

^b Concentrations in **bold** exceed the corresponding RSLs (USEPA 2018a) protective of an industrial worker exposed to soil via ingestion, dermal contact, and dust inhalation.

^c Concentrations in *italics* exceed the corresponding Eco CCs calculated for Line 1.

^d Underlined concentrations exceed the corresponding maximum IAAAP background concentrations.

Notes:

"---" Indicates that there is no comparison value available.

All results and comparison values are in mg/kg.

NA - Maximum detected result is not available because all results reported for the parameter are non-detect.

VQ symbols indicate: "=" positive identification, positive quantitation, no reason to estimate, "U" non-detect, no reason to estimate,

"J" positive identification, estimated quantitation, "UJ" analyte was not detected and had QC deficiencies.

Table D-1-3. All Line 1 Post-Remedy Verification Data for Lead (mg/kg)

Exposure Unit	Excavation Area	Excavation No.	Station Name	Sample Name	Location	Lead		
						Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TCR=1E-06; THQ=1.0) ^a :						1,000	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :						---	---	---
USEPA RSL for Industrial Soil (TCR=1E-04; THQ=1.0)^b:						800	---	---
<i>Eco CC</i> ^c :						86,253	---	---
Maximum IAAAP Background Soil Concentration ^d :						<u>5,900</u>	---	---
EU3	A	2	L1-E2-C001	IAAP112183	east wall BC 1 and 4	96.30	0.4	J
			L1-E2-C002	IAAP112184	south wall BC 1 and 2	99.60	0.4	J
			L1-E2-C003	IAAP112185	west wall BC 2 and 3	38.20	1.1	J
			L1-E2-C004	IAAP112186	north wall BC 3 and 4	128.00	0.4	J
			L1-E2-C005	IAAP112187	floor of EXC	42.90	0.42	J
			L1-E2-C006	IAAP112187-1	FD of IAAP112187	54.30	0.42	J
EU4	B & C	7 & 8	L1-E7-C001	IAAP112242	NW wall BC 1 and 2	35.50	0.4	=
			L1-E7-C002	IAAP112243	NE wall BC 1, 5, and 4	19.30	0.41	=
			L1-E7-C003	IAAP112244	SW wall BC 3 and 4	18.50	0.43	=
			L1-E7-C004	IAAP112245	SE wall BC 2 and 3	39.50	0.41	=
			L1-E7-C005	IAAP112246	floor of EXC	18.30	0.41	=
EU4	E	10	L1-E10-C001	IAAP112253	north wall BC 12, 13, and 1	231.00	0.75	=
			L1-E10-C002	IAAP112254	east wall BC 1 and 2	122.00	1.9	=
			L1-E10-C003	IAAP112255	south wall BC 6 and 7	277.00	0.77	=
			L1-E10-C004	IAAP112256	west wall BC 11 and 12	735.00	0.76	=
			L1-E10-C005	IAAP112257	floor of EXC	238.00	0.79	=
EU5	D	14	L1-E14-C001	IAAP112292	north wall BC 1 and 8	120.00	0.43	J
			L1-E14-C002	IAAP112293	east wall BC 1 and 2	32.80	1.1	J
			L1-E14-C004	IAAP112295	west wall BC 7 and 8	36.10	0.44	J
			L1-E14-C005	IAAP112296	floor of EXC	40.60	1.1	J

Table D-1-3. All Line 1 Post-Remedy Verification Data for Lead (mg/kg)

Exposure Unit	Excavation Area	Excavation No.	Station Name	Sample Name	Location	Lead		
						Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TCR=1E-06; THQ=1.0) ^a :						1,000	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :						---	---	---
USEPA RSL for Industrial Soil (TCR=1E-04; THQ=1.0)^b:						800	---	---
<i>Eco CC^c:</i>						86,253	---	---
<u>Maximum IAAAP Background Soil Concentration^d:</u>						<u>5,900</u>	---	---
EU5	J	20	L1-E20-C001	IAAP112327	north wall BC 1 and 2	19.70	1	J
			L1-E20-C002	IAAP112328	east wall BC 2 and 3	16.80	0.99	J
			L1-E20-C005	IAAP112328-1	FD of IAAP112328	19.30	0.4	J
			L1-E20-C006	IAAP112330	floor of EXC	21.90	0.95	J
Maximum Reported Concentration (Detects and Non-Detects):						735.00	---	=
Maximum Detected Concentration:						735.00	---	=
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TCR=1E-06; THQ=1.0):						0	---	---
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection):						---	---	---
Number of Sample Results Greater than USEPA RSL for Industrial Soil (TCR=1E-04; THQ=1.0):						0	---	---
Number of Sample Results Greater than Eco CC:						0	---	---
Number of Sample Results Greater than Maximum IAAAP Background Soil Concentration:						0	---	---

^a Gray-shaded concentrations exceed the corresponding IAAAP OU-1 ROD RGs protective of an industrial worker ingesting soil (USACE 1998a).

^b Concentrations in **bold** exceed the corresponding RSLs (USEPA 2018a) protective of an industrial worker exposed to soil via ingestion, dermal contact, and dust inhalation.

^c Concentrations in *italics* exceed the corresponding Eco CCs calculated for the WBPS.

^d Underlined concentrations exceed the corresponding maximum IAAAP background concentrations.

Notes:

"---" Indicates that there is no comparison value available.

All results and comparison values are in mg/kg.

BC - Between Corners

NA - Maximum detected result is not available because all results reported for the parameter are non-detect.

VQ symbols indicate: “=” positive identification, positive quantitation, no reason to estimate, “U” non-detect, no reason to estimate,

“J” positive identification, estimated quantitation, “UJ” analyte was not detected and had QC deficiencies.

Table D-1-4. All IAAAP Line 1 FUSRAP Characterization Data for Lead (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	Lead		
							Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TCR=1E-06; THQ=1.0) ^a :							1,000	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---
USEPA RSL for Industrial Soil (TCR=1E-04; THQ=1.0)^b:							800	---	---
<i>Eco CC^c:</i>							<i>11,706</i>	---	---
Maximum IAAAP Background Soil Concentration^d:							<u>5,900</u>	---	---
IAAP100000	IAAP100000	691723.44	93385.79	03/28/07	0	0.5	454.00	2	=
IAAP100000	IAAP100001	691723.44	93385.79	03/28/07	0.5	1	148.00	2.1	=
IAAP100000	IAAP100112	691723.44	93385.79	03/28/07	1	1.5	135.00	2	=
IAAP100002	IAAP100002	691726.92	93376.03	03/28/07	0	0.5	742.00	2.3	=
IAAP100002	IAAP100003	691726.92	93376.03	03/28/07	0.5	1	111.00	2.3	=
IAAP100002	IAAP100113	691726.92	93376.03	03/28/07	1	1.5	37.40	2.4	=
IAAP100004	IAAP100004	691732.81	93366.73	03/28/07	0	0.5	245.00	2.2	=
IAAP100004	IAAP100005	691732.81	93366.73	03/28/07	0.5	1	67.70	2.2	=
IAAP100004	IAAP100114	691732.81	93366.73	03/28/07	1	1.5	21.80	2	=
IAAP100006	IAAP100006	691735.81	93358.42	03/28/07	0	0.5	130.00	2.2	=
IAAP100006	IAAP100007	691735.81	93358.42	03/28/07	0.5	1	22.00	2.1	=
IAAP100006	IAAP100115	691735.81	93358.42	03/28/07	1	1.5	47.70	2.2	=
IAAP100008	IAAP100008	691739.66	93346.54	03/28/07	0	0.5	197.00	2.2	=
IAAP100008	IAAP100009	691739.66	93346.54	03/28/07	0.5	1	92.00	2.2	=
IAAP100008	IAAP100116	691739.66	93346.54	03/28/07	1	1.5	22.60	2.3	=
IAAP100031	IAAP100031	691727.31	93292.52	03/29/07	0	0.5	290.00	2.1	=
IAAP100034	IAAP100034	691728.18	93296.62	03/29/07	0	0.5	291.00	2.2	=
IAAP100046	IAAP100046	691996.61	93031.05	03/23/07	0	0.5	22.70	0.19	=
IAAP100048	IAAP100048	691996.18	93025.73	03/23/07	0	0.5	26.20	0.2	=
IAAP100051	IAAP100051	691943.22	92732.92	04/16/07	0	0.5			
IAAP100051	IAAP100052	691943.22	92732.92	04/16/07	1	2			
IAAP100057	IAAP100057	691587.61	92871.04	04/12/07	0	0.5			
IAAP100058	IAAP100058	691571.87	92865.95	04/12/07	0	0.5			
IAAP100059	IAAP100059	691922.71	92626.5	04/15/07	0	0.5			

Table D-1-4. All IAAAP Line 1 FUSRAP Characterization Data for Lead (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	Lead		
							Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TCR=1E-06; THQ=1.0) ^a :							1,000	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---
USEPA RSL for Industrial Soil (TCR=1E-04; THQ=1.0)^b:							800	---	---
<i>Eco CC^c:</i>							<i>11,706</i>	---	---
Maximum IAAAP Background Soil Concentration ^d :							<u>5,900</u>	---	---
IAAP100060	IAAP100060	691917.77	92621.56	04/15/07	0	0.5			
IAAP100061	IAAP100061	691921.19	92615.5	04/15/07	0	0.5			
IAAP100062	IAAP100062	691693.75	92886.11	04/12/07	0	0.5			
IAAP100063	IAAP100063	691696.5	92877.2	04/12/07	0	0.5			
IAAP100064	IAAP100064	691689.05	92879.37	04/12/07	0	0.5			
IAAP100066	IAAP100066	691749.63	92654.13	04/12/07	0	0.5	23.60	0.2	=
IAAP100068	IAAP100068	691682.18	92883.19	04/12/07	0	0.5	156.00	0.2	=
IAAP100070	IAAP100070	691851.03	92973.78	04/12/07	0	0.5	39.20	0.18	=
IAAP100071	IAAP100071	691694.48	92747.08	04/11/07	0	0.5	179.00	0.39	=
IAAP100087	IAAP100087	691886.05	92824.82	04/16/07	0	0.5	169.00	0.1	=
IAAP103900	IAAP103900	691723.57	93391.67	05/29/07	0	0.5	98.40	0.83	J
IAAP103900	IAAP103901	691723.57	93391.67	05/29/07	0.5	1	32.70	0.8	J
IAAP103900	IAAP103902	691723.57	93391.67	05/29/07	1	1.5	18.80	0.19	J
IAAP103900	IAAP103903	691723.57	93391.67	05/29/07	1.5	2	25.30	0.19	J
IAAP103904	IAAP103904	691713.05	93388.24	05/29/07	0	0.5	55.80	0.17	J
IAAP103904	IAAP103905	691713.05	93388.24	05/29/07	0.5	1	21.80	0.18	J
IAAP103904	IAAP103906	691713.05	93388.24	05/29/07	1	1.5	12.70	0.18	J
IAAP103904	IAAP103907	691713.05	93388.24	05/29/07	1.5	2	14.50	0.18	J
IAAP103919	IAAP103919	692010.7	92873.76	05/30/07	0	0.5	52.50	0.18	J
IAAP103932	IAAP103932	691887.23	92819.77	06/05/07	0	0.5	419.00	0.18	=
IAAP103957	IAAP103957	691806.11	92492.32	05/31/07	0	0.5	16.80	0.19	J
IAAP103958	IAAP103958	691801.39	92494.82	05/31/07	0	0.5	23.70	0.19	J
IAAP103959	IAAP103959	691802	92486.1	05/31/07	0	0.5	18.90	0.19	J
IAAP111608	IAAP111608	691729.54	93383.8	09/25/08	0	0.5	66.70	0.96	J

Table D-1-4. All IAAAP Line 1 FUSRAP Characterization Data for Lead (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	Lead		
							Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TCR=1E-06; THQ=1.0) ^a :							1,000	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---
USEPA RSL for Industrial Soil (TCR=1E-04; THQ=1.0)^b:							800	---	---
<i>Eco CC^c:</i>							<i>11,706</i>	---	---
Maximum IAAAP Background Soil Concentration^d:							<u>5,900</u>	---	---
IAAP111627	IAAP111628	691996.16	93028.25	09/24/08	1	2	23.40	1	J
IAAP111631	IAAP111631	692000.12	93025.48	09/24/08	0	0.5	45.70	0.41	J
IAAP111633	IAAP111633	691947.6	92731.29	09/23/08	0	1	44.40	0.41	J
IAAP111634	IAAP111634	691942.06	92729.45	09/23/08	0	1	16.90	0.4	J
IAAP111635	IAAP111635	691936.94	92730.22	09/23/08	0	1	22.50	1	J
IAAP111652	IAAP111652	691848.62	92980.16	09/24/08	0	1	362.00	0.41	J
IAAP136603	IAAP100047	691990.48	93027.37	03/23/07	0	0.5	36.70	0.18	=
IAAP96925	IAAP96925	692027	92844.46	10/26/06	0	0.5	18.50	0.21	=
IAAP96926	IAAP96926	692014.91	92844.8	10/26/06	0	0.5	19.70	0.21	=
IAAP96927	IAAP96927	691998.35	92979.48	10/26/06	0	0.5	35.80	0.22	=
IAAP96928	IAAP96928	691998.35	92979.48	10/26/06	0	0.5	13.20	0.21	=
IAAP96929	IAAP96929	691966.49	92969.51	10/26/06	0	0.5	37.50	0.21	=
IAAP96935	IAAP96935	691894.02	93328.08	11/15/06	0	0.5	12.00	0.85	=
IAAP96936	IAAP96936	COMPOSITE	COMPOSITE	11/15/06	0	0.5	33.50	0.2	=
IAAP96937	IAAP96937	COMPOSITE	COMPOSITE	11/13/06	0	0.5	41.10	0.83	=
IAAP96938	IAAP96938	691840.29	93270.4	11/13/06	0	0.5	32.80	0.2	=
IAAP96939	IAAP96939	691831.83	93298.23	11/13/06	0	0.5	11.30	0.82	=
IAAP96940	IAAP96940	691832.3	93342.32	11/13/06	0	0.5	126.00	0.85	=
IAAP96941	IAAP96941	691814.66	93317.23	11/13/06	0	0.5	24.80	0.19	=
IAAP96942	IAAP96942	691838.97	93244.84	11/13/06	0	0.5	16.20	0.19	=
IAAP96943	IAAP96943	691740.96	93451.82	11/14/06	0	0.5	23.80	0.36	=
IAAP96944	IAAP96944	691700	93430.63	11/14/06	0	0.5	14.50	0.37	=
IAAP96945	IAAP96945	691712.74	93499.75	11/14/06	0	0.5	38.40	0.21	=
IAAP96949	IAAP96949	692113.04	93092.9	11/15/06	0	0.5	37.40	0.19	J

Table D-1-4. All IAAAP Line 1 FUSRAP Characterization Data for Lead (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	Lead		
							Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TCR=1E-06; THQ=1.0) ^a :							1,000	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---
USEPA RSL for Industrial Soil (TCR=1E-04; THQ=1.0)^b:							800	---	---
<i>Eco CC^c:</i>							<i>11,706</i>	---	---
Maximum IAAAP Background Soil Concentration^d:							<u>5,900</u>	---	---
IAAP96950	IAAP96950	COMPOSITE	COMPOSITE	11/15/06	0	0.5	19.90	0.19	=
IAAP96951	IAAP96951	COMPOSITE	COMPOSITE	11/15/06	0	0.5	15.60	0.19	=
IAAP96952	IAAP96952	692127.71	93042.61	11/15/06	0	0.5	2.70	0.77	=
IAAP96953	IAAP96953	692116.38	93011.84	11/15/06	0	0.5	24.00	0.18	=
IAAP96954	IAAP96954	692116.26	92981.47	11/15/06	0	0.5	12.80	0.17	=
IAAP96959	IAAP96959	COMPOSITE	COMPOSITE	11/14/06	0	0.5	12.00	0.18	=
IAAP96961	IAAP96961	COMPOSITE	COMPOSITE	11/13/06	0	0.5	11.30	0.19	=
IAAP96962	IAAP96962	COMPOSITE	COMPOSITE	11/13/06	0	0.5	16.20	0.18	=
IAAP96963	IAAP96963	COMPOSITE	COMPOSITE	11/13/06	0	0.5	39.40	0.17	=
IAAP96964	IAAP96964	691985.83	93063.1	11/13/06	0	0.5	40.40	0.19	=
IAAP96967	IAAP96967	691937	93039	11/13/06	0	0.5	165.00	0.8	=
IAAP96976	IAAP111609	COMPOSITE	COMPOSITE	09/25/08	1	2	32.20	0.43	J
IAAP96976	IAAP96976	COMPOSITE	COMPOSITE	11/14/06	0	0.5	1,450.00	0.99	=
IAAP96977	IAAP96977	COMPOSITE	COMPOSITE	11/14/06	0	0.5	790.00	0.22	=
IAAP96979	IAAP96979	691795.01	93119.57	11/14/06	0	0.5	58.30	0.19	=
IAAP96980	IAAP96980	691808.87	93106.84	11/14/06	0	0.5	137.00	0.81	=
IAAP96988	IAAP96988	691954.34	92114.71	11/14/06	0	0.5	26.40	0.32	=
IAAP96989	IAAP96989	691876.63	92299.46	11/14/06	0	0.5	29.10	0.18	=
IAAP96992	IAAP96992	COMPOSITE	COMPOSITE	11/14/06	0	0.5	42.50	0.34	=
IAAP96994	IAAP96994	691857.33	92413.74	11/14/06	0	0.5	13.40	0.17	=
IAAP96996	IAAP96996	COMPOSITE	COMPOSITE	11/14/06	0	0.5	30.80	0.19	=
IAAP96997	IAAP96997	691844.39	92407.27	11/14/06	0	0.5	35.60	0.85	=
IAAP96998	IAAP96998	691728	93303	11/14/06	0	0.5	31.50	0.33	=
IAAP97000	IAAP97000	691786.4	93115.72	11/14/06	0	0.5	57.50	0.2	=

Table D-1-4. All IAAAP Line 1 FUSRAP Characterization Data for Lead (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	Lead		
							Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TCR=1E-06; THQ=1.0) ^a :							1,000	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---
USEPA RSL for Industrial Soil (TCR=1E-04; THQ=1.0)^b:							800	---	---
<i>Eco CC^c:</i>							<i>11,706</i>	---	---
Maximum IAAAP Background Soil Concentration ^d :							<u>5,900</u>	---	---
IAAP97001	IAAP97001	691872	93010	12/18/06	0	0.5	68.90	0.17	=
IAAP97002	IAAP97002	691884	93003	12/18/06	0	0.5	55.60	0.16	=
IAAP97003	IAAP97003	691888	92995	12/18/06	0	0.5	64.60	0.18	=
IAAP97008	IAAP97008	691894	92818	12/19/06	0	0.5	26.20	0.19	J
IAAP97009	IAAP97009	691903	92823	12/19/06	0	0.5	179.00	0.19	J
IAAP97010	IAAP97010	691891	92892	12/19/06	0	0.5	37.80	0.19	J
IAAP97011	IAAP97011	691900	92879	12/19/06	0	0.5	41.40	0.19	J
IAAP97012	IAAP97012	691889	92913	12/19/06	0	0.5	37.90	0.2	J
IAAP97013	IAAP97013	691813	92905	12/18/06	0	0.5	217.00	0.33	J
IAAP97016	IAAP97016	691683	92887	12/18/06	0	0.5	81.00	0.2	=
IAAP97017	IAAP97017	691680	92894	12/18/06	0	0.5	29.10	0.18	=
IAAP97018	IAAP97018	691694	92881	12/18/06	0	0.5	40.40	0.21	=
IAAP97019	IAAP97019	691689	92747	12/18/06	0	0.5	39.30	0.2	=
IAAP97020	IAAP97020	691695	92744	12/18/06	0	0.5	23.90	0.2	=
IAAP97021	IAAP97021	691719	92718	12/18/06	0	0.5	45.00	0.2	=
IAAP97022	IAAP97022	691753	92650	12/18/06	0	0.5	268.00	0.38	J
IAAP97023	IAAP97023	691750	92660	12/18/06	0	0.5	79.60	0.21	=
IAAP97024	IAAP97024	691745	92709	12/18/06	0	0.5	18.50	0.2	=
IAAP97030	IAAP97030	691973	92557	12/19/06	0	0.5	16.30	0.18	J
IAAP97031	IAAP97031	691979	92543	12/19/06	0	0.5	7.00	0.16	J
IAAP97032	IAAP97032	692030	92538	12/19/06	0	0.5	18.50	0.3	J
IAAP97033	IAAP97033	692033	92519	12/19/06	0	0.5	8.30	0.16	J
IAAP97034	IAAP97034	692018	92535	12/20/06	0	0.5	14.30	0.22	=
IAAP97049	IAAP97049	691998	92245	12/19/06	0	0.5	96.00	0.2	J

Table D-1-4. All IAAAP Line 1 FUSRAP Characterization Data for Lead (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	Lead		
							Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TCR=1E-06; THQ=1.0) ^a :							1,000	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---
USEPA RSL for Industrial Soil (TCR=1E-04; THQ=1.0)^b:							800	---	---
<i>Eco CC^c:</i>							<i>11,706</i>	---	---
Maximum IAAAP Background Soil Concentration^d:							<u>5,900</u>	---	---
IAAP98247	IAAP98247	691977	92312	12/19/06	0	0.5	338.00	0.21	J
IAAP98256	IAAP98256	691757	92280	12/20/06	0	0.5	27.00	0.39	=
IAAP98257	IAAP98257	691780	92253	12/20/06	0	0.5	50.30	0.19	=
IAAP98259	IAAP98259	691921	92623	12/19/06	0	0.5	687.00	0.85	J
IAAP98260	IAAP98260	691719	92537	12/18/06	0	0.5	11.70	0.18	=
IAAP98261	IAAP98261	691626	92692	12/18/06	0	0.5	17.10	0.37	J
IAAP98262	IAAP98262	691633	92751	12/18/06	0	0.5	11.30	0.21	=
IAAP98263	IAAP98263	691582	92869	12/18/06	0	0.5	129.00	0.57	=
IAAP98264	IAAP98264	691518	93097	12/18/06	0	0.5	17.90	0.24	=
IAAP98273	IAAP98273	692131	92072.7	12/19/06	0	0.5	15.40	0.19	J
IAAP98274	IAAP98274	691733.32	93424.71	12/20/06	0	0.5	31.20	0.17	=
IAAP99927	IAAP99927	691811.29	92488.02	04/16/07	0	0.5	679.00	0.19	J
IAAP99928	IAAP99928	691809.48	92485.81	04/16/07	0	0.5	18.40	0.17	J

Table D-1-4. All IAAAP Line 1 FUSRAP Characterization Data for Lead (mg/kg)

Station Name	Sample Name	Easting	Northing	Collect Date	Start Depth (ft)	End Depth (ft)	Lead		
							Result	DL	VQ
IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TCR=1E-06; THQ=1.0) ^a :							1,000	---	---
IAAAP OU-1 ROD RG for Industrial Soil (Ground-Water Protection) ^a :							---	---	---
USEPA RSL for Industrial Soil (TCR=1E-04; THQ=1.0)^b:							800	---	---
<i>Eco CC^c:</i>							<i>11,706</i>	---	---
<u>Maximum IAAAP Background Soil Concentration^d:</u>							<u>5,900</u>	---	---
IAAP99929	IAAP99929	691815.02	92487.65	04/16/07	0	0.5	153.00	0.16	J
IAAP99930	IAAP99930	691811.29	92492.77	04/16/07	0	0.5	17.30	0.8	J
Maximum Reported Concentration (Detects and Non-Detects):							1,450.00	---	=
Maximum Detected Concentration:							1,450.00	---	=
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Human Health) (TCR=1E-06; THQ=1.0):							1	---	---
Number of Samples Results Greater than IAAAP OU-1 ROD RG for Industrial Soil (Ground-water Protection):							---	---	---
Number of Sample Results Greater than USEPA RSL for Industrial Soil (TCR=1E-04; THQ=1.0):							1	---	---
Number of Sample Results Greater than Eco CC:							0	---	---
Number of Sample Results Greater than Maximum IAAAP Background Soil Concentration:							0	---	---

^a Gray-shaded concentrations exceed the corresponding IAAAP OU-1 ROD RGs protective of an industrial worker ingesting soil (USACE 1998a).

^b Concentrations in **bold** exceed the corresponding RSL (USEPA 2018a) protective of an industrial worker exposed to soil via ingestion, dermal contact, and dust inhalation.

^c Concentrations in *italics* exceed the corresponding Eco CCs calculated for Line 1.

^d Underlined concentrations exceed the corresponding maximum IAAAP background concentrations.

Notes:

"---" Indicates no comparison value is available.

All results and comparison values are in mg/kg.

NA - Maximum detected result is not available because all results reported for the parameter are non-detect.

VQ symbols indicate: "=" positive identification, positive quantitation, no reason to estimate, "U" non-detect, no reason to estimate,

"J" positive identification, estimated quantitation, "UJ" analyte was not detected and had QC deficiencies.

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ATTACHMENT D-2

**ADULT LEAD MODEL CALCULATIONS FOR LINE 1 SAMPLE LOCATIONS
AROUND EXCAVATION AREA EU3-A**

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Table D-2-1. Calculation of Blood Lead Concentrations (PbBs) and Risk from Exposures to Soil at IAAAP Line 1, Area 3A (Pre-Remedy Characterization Data [0- to 1-ft Depth] Plus Post-Remedy Verification Data): Site Worker

Variable	Description of Variable	Units	PbBo from Analysis of NHANES 2009-2014 ^a
PbS	Soil lead concentration ^b	mg/kg or ppm	198.38
$R_{\text{fetal/maternal}}$	Fetal/maternal PbB ratio	--	0.9
BKSF	Biokinetic Slope Factor	ug/dL per ug/day	0.4
GSD_i	Geometric standard deviation PbB	--	1.8
PbB_0	Baseline PbB	ug/dL	0.6
IR_S	Soil ingestion rate (including soil-derived indoor dust)	g/day	0.050
IR_{S+D}	Total ingestion rate of outdoor soil and indoor dust	g/day	--
W_S	Weighting factor; fraction of IR_{S+D} ingested as outdoor soil	--	--
K_{SD}	Mass fraction of soil in dust	--	--
$AF_{S,D}$	Absorption fraction (same for soil and dust)	--	0.12
$EF_{S,D}$	Exposure frequency (same for soil and dust) ^c	days/year	200
$AT_{S,D}$	Averaging time (same for soil and dust)	days/year	365
PbB_{adult}	PbB of adult worker, geometric mean	ug/dL	0.9
$PbB_{\text{fetal}, 0.95}$	95th percentile PbB among fetuses of adult workers	ug/dL	2.0
PbB_t	Target PbB level of concern (e.g., 5 ug/dL)	ug/dL	5
$P(PbB_{\text{fetal}} > PbB_t)$	Probability that fetal PbB > PbB_t , assuming lognormal distribution	%	0.076%

^a National Health and Nutrition Examination Survey (NHANES), 2009 - 2014 (USEPA 2017).

^b Site-specific values are highlighted in yellow.

^c Exposure frequency assumes 5 days per week over 40 weeks of pregnancy.

Notes:

Values in red font were updated based on OSWER Directive 9285.6-56 (USEPA 2017).

Calculated values are in blue font.

Table D-2-2. Calculation of Blood Lead Concentrations (PbBs) and Risk from Exposures to Soil at IAAAP Line 1, Area 3A (All Pre-Remedy Characterization Data [0- to 2-ft Depth] Plus Post-Remedy Verification Data): Site Worker

Variable	Description of Variable	Units	PbBo from Analysis of NHANES 2009-2014 ^a
PbS	Soil lead concentration ^b	mg/kg or ppm	151.84
$R_{\text{fetal/maternal}}$	Fetal/maternal PbB ratio	--	0.9
BKSF	Biokinetic Slope Factor	ug/dL per ug/day	0.4
GSD_i	Geometric standard deviation PbB	--	1.8
PbB_0	Baseline PbB	ug/dL	0.6
IR_S	Soil ingestion rate (including soil-derived indoor dust)	g/day	0.050
IR_{S+D}	Total ingestion rate of outdoor soil and indoor dust	g/day	--
W_S	Weighting factor; fraction of IR_{S+D} ingested as outdoor soil	--	--
K_{SD}	Mass fraction of soil in dust	--	--
$AF_{S,D}$	Absorption fraction (same for soil and dust)	--	0.12
$EF_{S,D}$	Exposure frequency (same for soil and dust) ^c	days/year	200
$AT_{S,D}$	Averaging time (same for soil and dust)	days/year	365
PbB_{adult}	PbB of adult worker, geometric mean	ug/dL	0.8
$PbB_{\text{fetal}, 0.95}$	95th percentile PbB among fetuses of adult workers	ug/dL	1.9
PbB_t	Target PbB level of concern (e.g., 5 ug/dL)	ug/dL	5
$P(PbB_{\text{fetal}} > PbB_t)$	Probability that fetal PbB > PbB_t , assuming lognormal distribution	%	0.049%

^a NHANES, 2009 - 2014 (USEPA 2017).

^b Site-specific values are highlighted in yellow.

^c Exposure frequency assumes 5 days per week over 40 weeks of pregnancy.

Notes:

Values in red font were updated based on OSWER Directive 9285.6-56 (USEPA 2017).

Calculated values are in blue font.

Tables D-2-3. Calculation of Blood Lead Concentrations (PbBs) and Risk from Exposures to Soil at IAAAP Line 1, Area 3A (All Pre-Remedy Characterization Data [0- to 2- ft Depth] Plus Post-Remedy Verification Data): Construction Worker

Variable	Description of Variable	Units	PbBo from Analysis of NHANES 2009-2014 ^a
PbS	Soil lead concentration ^b	mg/kg or ppm	151.84
R _{fetal/maternal}	Fetal/maternal PbB ratio	--	0.9
BKSF	Biokinetic Slope Factor	ug/dL per ug/day	0.4
GSD _i	Geometric standard deviation PbB	--	1.8
PbB ₀	Baseline PbB	ug/dL	0.6
IR _S	Soil ingestion rate (including soil-derived indoor dust)	g/day	0.330
IR _{S+D}	Total ingestion rate of outdoor soil and indoor dust	g/day	--
W _S	Weighting factor; fraction of IR _{S+D} ingested as outdoor soil	--	--
K _{SD}	Mass fraction of soil in dust	--	--
AF _{S,D}	Absorption fraction (same for soil and dust)	--	0.12
EF _{S,D}	Exposure frequency (same for soil and dust) ^c	days/year	200
AT _{S,D}	Averaging time (same for soil and dust)	days/year	365
PbB _{adult}	PbB of adult worker, geometric mean	ug/dL	1.9
PbB _{fetal, 0.95}	95th percentile PbB among fetuses of adult workers	ug/dL	4.5
PbB _t	Target PbB level of concern (e.g., 5 ug/dL)	ug/dL	5
P(PbB_{fetal} > PbB_t)	Probability that fetal PbB > PbB_t, assuming lognormal distribution	%	3.5%

^a NHANES, 2009 - 2014 (USEPA 2017).

^b Site-specific values are highlighted in yellow.

^c Exposure frequency assumes 5 days per week over 40 weeks of pregnancy.

Notes:

Values in red font were updated based on OSWER Directive 9285.6-56 (USEPA 2017).

Calculated values are in blue font.

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APPENDIX E

**CALCULATION CHECKS OF OPERABLE UNIT 8 REMEDIATION GOALS FOR
DEPLETED URANIUM BASED ON CURRENT MODELS AND DATA**

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ATTACHMENT E-1

**FIVE-YEAR REVIEW VERIFICATION OF DERIVED CONCENTRATION
GUIDELINE LEVELS FOR DEPLETED URANIUM IN SOIL AT THE FIRING SITES
AREA IN OPERABLE UNIT 8 AT THE IOWA ARMY AMMUNITION PLANT**

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INTRODUCTION

As part of the FUSRAP five-year review for OU-8 at the IAAAP, this appendix verifies the validity of the DCGL calculations originally performed during preparation of the FUSRAP FS (USACE 2011c) using the RESRAD-ONSITE Version 7.2 model. RESRAD Version 6.4 was used during the FS to calculate risk- and dose-based DCGLs for the individual isotopes of DU (i.e., U-234, U-235, and U-238) that were ultimately used as the basis for determining the DU soil RG of 150 pCi/g for a site (industrial) worker at the FSA. The DCGLs that were used to calculate the RG are the minimum levels corresponding to the time of maximum dose or ECR over a 1,000-year period. The DU RG of 150 pCi/g was derived based on a 1E-04 CR to a site worker hypothetically exposed to DU via soil ingestion, dust inhalation, and external ground radiation. Generally, the RESRAD_ONSITE computer code is used to determine DSRs and RSRs for DU-contaminated soil. The DSR and RSR are then used to calculate individual radionuclide DCGLs as dose and ECR limit equivalents that collectively do not exceed the total dose and ECR limits of 25 mrem per year and 1E-4, respectively.

This verification applies the latest DCFs and CSFs from ORNL that are available in the DCFPAK 3.02 (Adult) library of the RESRAD-ONSITE Version 7.2 model (ORNL 2014). These values, which were not available during the FS, now supersede those that were applied during the original calculations of DCGLs in the FUSRAP FS (USACE 2011c) and that were available in the FGR-11 library of the RESRAD Version 6.4 model. The DCFs in the FGR-11 library of RESRAD Version 6.4 were obtained from FGR-11 for ingestion and inhalation (USEPA 1988), and from FGR-12 for external radiation DCFs (USEPA 1993a). The CSFs in the FGR-11 library of RESRAD Version 6.4 were obtained from FGR-13 for all pathways (USEPA 1999b). The FGR-11 library of RESRAD Version 6.4 incorporated ICRP-38 data for nuclide energies and decay chains (USEPA 1999b). The DCFPAK 3.02 (Adult) library of RESRAD-ONSITE Version 7.2 incorporates updated data for nuclide energy and decay chain information from ICRP-107 (ICRP 2008).

The DCGLs presented in this document are based on the following:

- release under restricted conditions set forth by U.S. Nuclear Regulatory Commission (NRC) in 10 *CFR* 20.1403(b), which states: “The licensee has made provisions for legally enforceable institutional controls that provide reasonable assurance that the TEDE from residual radioactivity distinguishable from background to the average member of the critical group will not exceed 25 mrem [0.25 mSv] per year.”
- USEPA defines the CERCLA TECR range as 10^{-6} to 10^{-4} where “the upper boundary of the risk range is not a discrete line at 1×10^{-4} . A specific risk estimate around 10^{-4} may be considered acceptable if justified based on site-specific conditions” (USEPA 1997b).

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METHODOLOGY

The principal radiological contaminant in soil at the FSA is DU. DU is the byproduct remaining after the extraction of U-235 from naturally occurring uranium. DU typically contains approximately 99.799, 0.200, and 0.001 percent by weight U-238, U-235, and U-234, respectively, with corresponding activity percentages of 90.14, 1.45, and 8.40. Natural U, by comparison, consists of about 99.284, 0.711, and 0.005 weight percent U-238, U-235, and U-234, respectively, with corresponding activity percentages of 48.6, 2.2, and 49.2 for the stated radioisotopes.

The DCGL and ultimately, the RG for DU is actually determined using U-238 because the activity fraction (i.e., as a percentage) is 90.14 percent of the total DU activity.

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DETERMINATION OF THE DERIVED CONCENTRATION GUIDELINE LEVEL FOR DEPLETED URANIUM

RISK AND DOSE ASSESSMENT MODEL

RESRAD-ONSITE Version 7.2 (released July 2016), is being used to re-derive and verify the DCGLs and selected RG established for DU in soil at the FSA that were originally derived using RESRAD Version 6.4 (released December 2007). Generally, RESRAD (now RESRAD-ONSITE) is a computer code developed at the ANL for the DOE, designed to assess radiation exposures (i.e., doses and CRs) to a human receptor located on top of radiologically contaminated soils. Modeling dose and ECR using the RESRAD codes is an acceptable standard industry practice, which has been applied for the USACE St. Louis FUSRAP Sites for nearly 2 decades. For the Line 1 and the FSA at the IAAAP, these RESRAD models are used to calculate the maximum ECR and dose to a receptor(s) that could occur over a 1,000-year evaluation period to determine site-specific residual radiation guidelines and dose to an on-site receptor at sites that are contaminated with residual radioactive materials.

SOURCE TERM

Based on Table 2-1 of *Guide of Good Practices for Occupational Radiological Protection in Uranium Facilities* (DOE 2000), DU is the sum of 99.8 percent of U-238, 0.0007 percent of U-234, and 0.2 percent of U-235 with respect to percentages by weight with corresponding activity percentages of 90.14, 1.45, and 8.40. Because U-238 accounts for over 90 percent of the DU activity, only U-238 DCGLs equivalent to the relative dose/ECR limit were developed (i.e., the U-238 DCGLs will be based on relative dose/ECR values that are less than the limit to account for dose/ECR from U-234 and U-235) and will be protective considering associated U-234 and U-235. Therefore, soil analysis needs only account for U-238 to compare to the DCGL.

SITE PHYSICAL PARAMETERS

For this evaluation, the RESRAD parameters selected are the same as those used in the FUSRAP FS (USACE 2011c), which are consistent with USEPA's *Human Health Evaluation Manual, Supplemental Guidance: Update of Superfund Default Exposure Factors* (USEPA 2014a), USEPA's 2011 Exposure Factors Handbook (USEPA 2011), USEPA's *Soil Screening Guidance for Radionuclides* (USEPA 2000), and Argonne National Laboratory's *Data Collection Handbook to Support Modeling Impacts of Radioactive Material in Soil* (ANL 1993). Site-specific information is given the first preference for selection of site physical parameter values for RESRAD input parameters.

RECEPTOR SCENARIOS

Based on the current and future land use, the site worker and construction worker receptors were modeled in the original assessment performed during the RG development in the FUSRAP FS (USACE 2011c). During that evaluation, it was determined that the site worker is critical receptor for RG development because DCGLs calculated for the site worker were more health-conservative than those calculated for the construction worker. This is because of the longer exposure duration assumed for the site worker (25 years) versus the construction worker (1 year). Therefore, for the five-year review, this evaluation focuses only on the critical receptor, the site worker.

The site worker scenario assumes that the critical receptor is a typical site worker who works 250 days/year for 25 years (USEPA 2014a). During a typical working day, the worker is assumed to spend 8 hours outdoors and will ingest 50 mg of soil. The site worker may be exposed to radioactive contamination through several exposure pathways relative to site soil. Members of the site worker critical group can incur a radiation dose via the following pathways:

- Direct radiation from radionuclides in the soil,
- Inhalation of re-suspended dust present on contaminated soil, and
- Direct ingestion of contaminated soil.

The input parameters selected for the site worker scenario are the default RESRAD-ONSITE Version 7.2 input parameters, with the exception of inhalation and ingestion rates, exposure durations, and indoor/outdoor time fractions. The non-default RESRAD input parameters for the receptor scenarios are presented below in Table E-1-1.

Table E-1-1. RESRAD-ONSITE Version 7.2 Input Parameters for Risk and Dose Assessments

Category	Parameter	Input Value
Physical Parameters	Area of contaminated zone (m ²) of FSA	354,695
	Thickness of the contaminated zone (m) of the FSA	0.9
	Inhalation rate ^a (m ³ /year)	7,300
	Exposure duration (year)	25
	Indoor time fraction	0
	Outdoor time fraction ^b	0.2283
	Soil ingestion (g/year) ^c	18.25

^a Inhalation rate is based upon 20 m³/day * 365 day/year = 7,300 m³/year.

^b Fraction of time outdoor per year = (8 hours/day x 250 days/year) / (24 hours/day x 365 day/year) = 0.2283.

^c Site worker soil ingestion = 50 mg/day x 365 day/year x g/1000 mg = 18.25 g/year.

VERIFICATION OF THE SOIL REMEDIATION GOAL

Using the RESRAD-ONSITE Version 7.2 model, site-specific, risk-based and dose-based DCGLs for DU in soil were developed for the site worker. These DCGLs, which are generally the basis for determining the RG, are based on the known activity fractions of each of the uranium isotopes, which are presented in Tables D-1-2 and D-1-3. However, with an activity fraction of 0.9014 (i.e., 90.14 percent), the ECR and dose contributions from U-238 essentially drive the DCGLs, and ultimately, the selected RG for DU in soil.

Additionally, in the FUSRAP FS (USACE 2011c), dose- and risk-based DCGLs were calculated to comply with 10 *CFR* Part 20.1403(b) dose limit of 25 mrem per year and the CERCLA ECR range of 1E-06 to 1E-04. Compliance to the CERCLA ECR range was achieved by targeting CRs of 1E-06, 1E-05, and 1E-04. However, because the RG selected from the DCGLs was based on the TCR of 1E-04, this evaluation will focus development of the risk-based DCGLs only on the target ECR of 1E-04. To be health-protective of U-234 and U-235, both the dose- and risk-based soil DCGLs also consider the activity percent contribution of U-238.

Dose-Based Derived Concentration Guideline Level Calculations

Table E-1-2 presents the RESRAD-ONSITE Version 7.2 calculations of the dose-based soil DCGLs for all DU isotopes, as well as the total DCGL for DU. From the model output, DSRs were developed for each radionuclide. A relative DSR for each isotope was then calculated by multiplying the DSR by the corresponding activity fraction in DU. An isotopic fraction of the

total relative DSR for DU was calculated for each isotope by dividing the relative DSR by the total relative DSR for DU. The target equivalent dose for each isotope was calculated by multiplying the target dose limit of 25 mrem per year by the isotopic fraction of the relative DU DSR. The isotopic DCGL was calculated by the dividing the isotopic target equivalent dose by the total relative DSR for DU. The individual isotopic DCGLs are calculated such that the DCGL-equivalent doses and ECRs collectively do not exceed the total dose and ECR limits of 25 mrem per year and 1E-04, respectively. The total DU dose-based DCGL (670 pCi/g) was finally determined by summing the isotopic DCGLs. Given the predominant dose contribution from U-238, the U-238 DCGL (623 pCi/g) was selected for comparison with the corresponding risk-based DCLG determined in Table E-1-3.

Table E-1-2. RESRAD-ONSITE Version 7.2 Dose-Based Derived Concentration Guideline Levels

Isotope	DSR ^a (mrem-g/pCi-year)	DU Activity Fraction	Relative DSR (mrem-g/pCi-year)	Isotopic Fraction of Relative DU DSR (Unitless)	Target Dose (25 mrem/year Isotopic Equivalent)	DCGL (pCi/g)
U-238	3.85E-02	9.01E-01	3.47E-02	9.30E-01	2.32E+01	623
U-235	1.68E-01	1.45E-02	2.43E-03	6.52E-02	1.63E+00	44
U-234	2.24E-03	8.40E-02	1.88E-04	5.04E-03	1.26E-01	3.4
Total for DU:		8.40E-02	3.73E-02	1.00E+00	2.50E+01	670

^a DSR = Maximum dose over 1,000-year evaluation period divided by the source concentration (1.0 pCi/g).

Risk-Based Derived Concentration Guideline Level Calculations

The risk-based DCGL for U-238 is calculated using the same methodology as was used for the dose-based DCGL, except RSRs, rather than DSRs, are the basis of the calculation. The risk-based DCGLs for the individual isotopes target equivalent ECR levels that collectively, do not exceed a total CR of 1E-04. Table E-1-3 shows these calculations.

Table E-1-3. RESRAD-ONSITE Version 7.2 Risk-Based Derived Concentration Guideline Levels

Isotope	RSR ^a (Risk-g/pCi)	DU Activity Fraction	Relative RSR (Risk-g/pCi)	Isotopic Fraction of Relative DU RSR (Unitless)	TECR (1E-04 Isotopic Equivalent)	DCGL (pCi/g)
U-238	6.48E-07	9.01E-01	5.84E-07	9.26E-01	9.26E-05	147
U-235	3.02E-06	1.45E-02	4.38E-08	6.94E-02	6.94E-06	11
U-234	3.60E-08	8.40E-02	3.03E-09	4.80E-03	4.80E-07	0.76
Total for DU:		8.40E-02	6.31E-07	1.00E+00	1.00E-04	159

^a RSR = Maximum CR over 1,000-year evaluation period divided by the source concentration (1.0 pCi/g).

The total DU risk-based DCGL (159 pCi/g) in Table E-1-3 was finally determined by summing the isotopic DCGLs. Given the predominant ECR contribution from U-238, the U-238 risk-based DCGL (147 pCi/g) was selected for comparison with the corresponding dose-based DCLG determined in Table E-1-2.

CONCLUSION

Following a review of the dose- and risk-based soil DCGLs calculated for U-238 in Tables E-1-2 and E-1-3, respectively, the selected RG would be the lower and more health conservative of the two values, i.e., the risk-based DCGL of 147 pCi/g. The risk-based DCGL for U-238 determined during the FS was 154 pCi/g. Both the current and FS-derived DCGLs for U-238 values round to 150 pCi/g, which is the DU RG established for soil in the FUSRAP ROD (USACE 2011a).

In conclusion, the RG recalculation using the RESRAD-ONSITE Version 7.2 model, along with the updated ORNL (2014) DCFs and CSFs, results in a U-238 DCGL (147 pCi/g) that approximates the DU RG (150 pCi/g). Therefore, the RG for DU in soil that was established in the FUSRAP ROD (USACE 2011a) is still valid and the remedy being applied to the DU-contaminated soil at the FSA soil remains health-protective.

The RESRAD-ONSITE Version 7.2 output files for the dose and ECR calculations are included as Attachments E-1-1 and E-1-2, respectively.

ATTACHMENT E-1-1

Site Worker RESRAD-ONSITE Version 7.2 Dose Output Report

(On the CD-ROM on the Back Cover of this Report)

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FUSRAP Five-Year Review Report for Operable Unit 1 (OU-1) and Operable Unit 8 (OU-8) Iowa Army Ammunition Plant

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 Summary : IAAAP OU8 DCLG Calcs for DU_Site Worker
 File : C:\RESRAD_FAMILY\ONSITE\7.2\USERFILES\IAAAPOU8_SITE WKR_DU DCGL.RAD

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Dose Conversion Factor (and Related) Parameter Summary
 Dose Library: DCFPAK3.02 (Adult)

Menu	Parameter	Current Value#	Base Case*	Parameter Name
A-1	DCF's for external ground radiation, (mrem/yr)/(pCi/g)			
A-1	Ac-227 (Source: DCFPAK3.02)	2.615E-04	2.615E-04	DCF1 (1)
A-1	At-218 (Source: DCFPAK3.02)	5.567E-05	5.567E-05	DCF1 (2)
A-1	At-219 (Source: DCFPAK3.02)	0.000E+00	0.000E+00	DCF1 (3)
A-1	Bi-210 (Source: DCFPAK3.02)	5.473E-03	5.473E-03	DCF1 (4)
A-1	Bi-211 (Source: DCFPAK3.02)	2.410E-01	2.410E-01	DCF1 (5)
A-1	Bi-214 (Source: DCFPAK3.02)	9.135E+00	9.135E+00	DCF1 (6)
A-1	Bi-215 (Source: DCFPAK3.02)	1.369E+00	1.369E+00	DCF1 (7)
A-1	Fr-223 (Source: DCFPAK3.02)	1.758E-01	1.758E-01	DCF1 (8)
A-1	Hg-206 (Source: DCFPAK3.02)	6.127E-01	6.127E-01	DCF1 (9)
A-1	Pa-231 (Source: DCFPAK3.02)	1.608E-01	1.608E-01	DCF1 (10)
A-1	Pa-234 (Source: DCFPAK3.02)	8.275E+00	8.275E+00	DCF1 (11)
A-1	Pa-234m (Source: DCFPAK3.02)	1.257E-01	1.257E-01	DCF1 (12)
A-1	Pb-210 (Source: DCFPAK3.02)	2.092E-03	2.092E-03	DCF1 (13)
A-1	Pb-211 (Source: DCFPAK3.02)	3.680E-01	3.680E-01	DCF1 (14)
A-1	Pb-214 (Source: DCFPAK3.02)	1.257E+00	1.257E+00	DCF1 (15)
A-1	Po-210 (Source: DCFPAK3.02)	5.641E-05	5.641E-05	DCF1 (16)
A-1	Po-211 (Source: DCFPAK3.02)	4.707E-02	4.707E-02	DCF1 (17)
A-1	Po-214 (Source: DCFPAK3.02)	4.801E-04	4.801E-04	DCF1 (18)

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A-1	Po-215	(Source: DCFPAK3.02)	9.452E-04	9.452E-04	DCF1 (19)
A-1	Po-218	(Source: DCFPAK3.02)	9.228E-09	9.228E-09	DCF1 (20)
A-1	Ra-223	(Source: DCFPAK3.02)	5.791E-01	5.791E-01	DCF1 (21)
A-1	Ra-226	(Source: DCFPAK3.02)	3.176E-02	3.176E-02	DCF1 (22)
A-1	Rn-218	(Source: DCFPAK3.02)	4.259E-03	4.259E-03	DCF1 (23)
A-1	Rn-219	(Source: DCFPAK3.02)	2.970E-01	2.970E-01	DCF1 (24)
A-1	Rn-222	(Source: DCFPAK3.02)	2.130E-03	2.130E-03	DCF1 (25)
A-1	Th-227	(Source: DCFPAK3.02)	5.641E-01	5.641E-01	DCF1 (26)
A-1	Th-230	(Source: DCFPAK3.02)	1.106E-03	1.106E-03	DCF1 (27)
A-1	Th-231	(Source: DCFPAK3.02)	3.250E-02	3.250E-02	DCF1 (28)
A-1	Th-234	(Source: DCFPAK3.02)	2.316E-02	2.316E-02	DCF1 (29)
A-1	Tl-206	(Source: DCFPAK3.02)	1.278E-02	1.278E-02	DCF1 (30)
A-1	Tl-207	(Source: DCFPAK3.02)	2.391E-02	2.391E-02	DCF1 (31)
A-1	Tl-210	(Source: DCFPAK3.02)	1.677E+01	1.677E+01	DCF1 (32)
A-1	U-234	(Source: DCFPAK3.02)	3.456E-04	3.456E-04	DCF1 (33)
A-1	U-235	(Source: DCFPAK3.02)	7.005E-01	7.005E-01	DCF1 (34)
A-1	U-238	(Source: DCFPAK3.02)	1.713E-04	1.713E-04	DCF1 (35)
B-1 Dose conversion factors for inhalation, mrem/pCi:					
B-1	Ac-227+D		6.459E-01	5.760E-01	DCF2 (1)
B-1	Pa-231		8.505E-01	8.505E-01	DCF2 (2)
B-1	Pb-210+D		3.708E-02	2.077E-02	DCF2 (3)
B-1	Ra-226+D		3.528E-02	3.517E-02	DCF2 (4)
B-1	Th-230		3.759E-01	3.759E-01	DCF2 (5)
B-1	U-234		3.479E-02	3.479E-02	DCF2 (6)
B-1	U-235+D		3.132E-02	3.132E-02	DCF2 (7)
B-1	U-238		2.973E-02	2.973E-02	DCF2 (8)
B-1	U-238+D		2.976E-02	2.973E-02	DCF2 (9)
D-1 Dose conversion factors for ingestion, mrem/pCi:					
D-1	Ac-227+D		1.607E-03	1.191E-03	DCF3 (1)

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Summary : IAAAP OU8 DCLG Calcs for DU Site Worker

File : C:\RESRAD_FAMILY\ONSITE\7.2\USERFILES\IAAAPOU8_SITE WKR_DU DCGL.RAD

Dose Conversion Factor (and Related) Parameter Summary (continued)
Dose Library: DCFPAK3.02 (Adult)

Menu	Parameter	Current Value#	Base Case*	Parameter Name
D-1	Pa-231	1.772E-03	1.772E-03	DCF3 (2)
D-1	Pb-210+D	7.057E-03	2.575E-03	DCF3 (3)
D-1	Ra-226+D	1.037E-03	1.036E-03	DCF3 (4)
D-1	Th-230	7.918E-04	7.918E-04	DCF3 (5)
D-1	U-234	1.831E-04	1.831E-04	DCF3 (6)
D-1	U-235+D	1.740E-04	1.728E-04	DCF3 (7)
D-1	U-238	1.650E-04	1.650E-04	DCF3 (8)
D-1	U-238+D	1.776E-04	1.650E-04	DCF3 (9)
D-34 Food transfer factors:				
D-34	Ac-227+D , plant/soil concentration ratio, dimensionless	2.500E-03	2.500E-03	RTF (1,1)
D-34	Ac-227+D , beef/livestock-intake ratio, (pCi/kg)/(pCi/d)	2.000E-05	2.000E-05	RTF (1,2)
D-34	Ac-227+D , milk/livestock-intake ratio, (pCi/L)/(pCi/d)	2.000E-05	2.000E-05	RTF (1,3)
D-34				

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D-34	Pa-231	, plant/soil concentration ratio, dimensionless	1.000E-02	1.000E-02	RTF (2,1)
D-34	Pa-231	, beef/livestock-intake ratio, (pCi/kg)/(pCi/d)	5.000E-03	5.000E-03	RTF (2,2)
D-34	Pa-231	, milk/livestock-intake ratio, (pCi/L)/(pCi/d)	5.000E-06	5.000E-06	RTF (2,3)
D-34					
D-34	Pb-210+D	, plant/soil concentration ratio, dimensionless	1.000E-02	1.000E-02	RTF (3,1)
D-34	Pb-210+D	, beef/livestock-intake ratio, (pCi/kg)/(pCi/d)	8.000E-04	8.000E-04	RTF (3,2)
D-34	Pb-210+D	, milk/livestock-intake ratio, (pCi/L)/(pCi/d)	3.000E-04	3.000E-04	RTF (3,3)
D-34					
D-34	Ra-226+D	, plant/soil concentration ratio, dimensionless	4.000E-02	4.000E-02	RTF (4,1)
D-34	Ra-226+D	, beef/livestock-intake ratio, (pCi/kg)/(pCi/d)	1.000E-03	1.000E-03	RTF (4,2)
D-34	Ra-226+D	, milk/livestock-intake ratio, (pCi/L)/(pCi/d)	1.000E-03	1.000E-03	RTF (4,3)
D-34					
D-34	Th-230	, plant/soil concentration ratio, dimensionless	1.000E-03	1.000E-03	RTF (5,1)
D-34	Th-230	, beef/livestock-intake ratio, (pCi/kg)/(pCi/d)	1.000E-04	1.000E-04	RTF (5,2)
D-34	Th-230	, milk/livestock-intake ratio, (pCi/L)/(pCi/d)	5.000E-06	5.000E-06	RTF (5,3)
D-34					
D-34	U-234	, plant/soil concentration ratio, dimensionless	2.500E-03	2.500E-03	RTF (6,1)
D-34	U-234	, beef/livestock-intake ratio, (pCi/kg)/(pCi/d)	3.400E-04	3.400E-04	RTF (6,2)
D-34	U-234	, milk/livestock-intake ratio, (pCi/L)/(pCi/d)	6.000E-04	6.000E-04	RTF (6,3)
D-34					
D-34	U-235+D	, plant/soil concentration ratio, dimensionless	2.500E-03	2.500E-03	RTF (7,1)
D-34	U-235+D	, beef/livestock-intake ratio, (pCi/kg)/(pCi/d)	3.400E-04	3.400E-04	RTF (7,2)
D-34	U-235+D	, milk/livestock-intake ratio, (pCi/L)/(pCi/d)	6.000E-04	6.000E-04	RTF (7,3)
D-34					
D-34	U-238	, plant/soil concentration ratio, dimensionless	2.500E-03	2.500E-03	RTF (8,1)
D-34	U-238	, beef/livestock-intake ratio, (pCi/kg)/(pCi/d)	3.400E-04	3.400E-04	RTF (8,2)
D-34	U-238	, milk/livestock-intake ratio, (pCi/L)/(pCi/d)	6.000E-04	6.000E-04	RTF (8,3)
D-34					
D-34	U-238+D	, plant/soil concentration ratio, dimensionless	2.500E-03	2.500E-03	RTF (9,1)
D-34	U-238+D	, beef/livestock-intake ratio, (pCi/kg)/(pCi/d)	3.400E-04	3.400E-04	RTF (9,2)
D-34	U-238+D	, milk/livestock-intake ratio, (pCi/L)/(pCi/d)	6.000E-04	6.000E-04	RTF (9,3)
D-5		Bioaccumulation factors, fresh water, L/kg:			
D-5	Ac-227+D	, fish	1.500E+01	1.500E+01	BIOFAC (1,1)
D-5	Ac-227+D	, crustacea and mollusks	1.000E+03	1.000E+03	BIOFAC (1,2)
D-5					

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Dose Conversion Factor (and Related) Parameter Summary (continued)

Dose Library: DCFPAK3.02 (Adult)

Menu	Parameter	Current Value#	Base Case*	Parameter Name
D-5	Pa-231 , fish	1.000E+01	1.000E+01	BIOFAC (2,1)
D-5	Pa-231 , crustacea and mollusks	1.100E+02	1.100E+02	BIOFAC (2,2)
D-5				
D-5	Pb-210+D , fish	3.000E+02	3.000E+02	BIOFAC (3,1)
D-5	Pb-210+D , crustacea and mollusks	1.000E+02	1.000E+02	BIOFAC (3,2)
D-5				
D-5	Ra-226+D , fish	5.000E+01	5.000E+01	BIOFAC (4,1)
D-5	Ra-226+D , crustacea and mollusks	2.500E+02	2.500E+02	BIOFAC (4,2)
D-5				

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D-5	Th-230	, fish	1.000E+02	1.000E+02	BIOFAC (5,1)
D-5	Th-230	, crustacea and mollusks	5.000E+02	5.000E+02	BIOFAC (5,2)
D-5					
D-5	U-234	, fish	1.000E+01	1.000E+01	BIOFAC (6,1)
D-5	U-234	, crustacea and mollusks	6.000E+01	6.000E+01	BIOFAC (6,2)
D-5					
D-5	U-235+D	, fish	1.000E+01	1.000E+01	BIOFAC (7,1)
D-5	U-235+D	, crustacea and mollusks	6.000E+01	6.000E+01	BIOFAC (7,2)
D-5					
D-5	U-238	, fish	1.000E+01	1.000E+01	BIOFAC (8,1)
D-5	U-238	, crustacea and mollusks	6.000E+01	6.000E+01	BIOFAC (8,2)
D-5					
D-5	U-238+D	, fish	1.000E+01	1.000E+01	BIOFAC (9,1)
D-5	U-238+D	, crustacea and mollusks	6.000E+01	6.000E+01	BIOFAC (9,2)

#For DCF1(xxx) only, factors are for infinite depth & area. See ETFG table in Ground Pathway of Detailed Report.

*Base Case means Default.Lib w/o Associate Nuclide contributions.

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Summary : IAAAP OU8 DCLG Calcs for DU Site Worker

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Site-Specific Parameter Summary

0 Menu	Parameter	User Input	Default	Used by RESRAD (If different from user input)	Parameter Name
R011	Area of contaminated zone (m**2)	3.547E+05	1.000E+04	---	AREA
R011	Thickness of contaminated zone (m)	9.000E-01	2.000E+00	---	THICK0
R011	Fraction of contamination that is submerged	0.000E+00	0.000E+00	---	SUBMFRACT
R011	Length parallel to aquifer flow (m)	not used	1.000E+02	---	LCZPAQ
R011	Basic radiation dose limit (mrem/yr)	2.500E+01	3.000E+01	---	BRDL
R011	Time since placement of material (yr)	0.000E+00	0.000E+00	---	TI
R011	Times for calculations (yr)	1.000E+00	1.000E+00	---	T (2)
R011	Times for calculations (yr)	3.000E+00	3.000E+00	---	T (3)
R011	Times for calculations (yr)	1.000E+01	1.000E+01	---	T (4)
R011	Times for calculations (yr)	7.000E+01	3.000E+01	---	T (5)
R011	Times for calculations (yr)	1.000E+02	1.000E+02	---	T (6)
R011	Times for calculations (yr)	3.000E+02	3.000E+02	---	T (7)
R011	Times for calculations (yr)	1.000E+03	1.000E+03	---	T (8)
R011	Times for calculations (yr)	not used	0.000E+00	---	T (9)
R011	Times for calculations (yr)	not used	0.000E+00	---	T(10)
R012	Initial principal radionuclide (pCi/g): U-234	1.000E+00	0.000E+00	---	S1(6)
R012	Initial principal radionuclide (pCi/g): U-235	1.000E+00	0.000E+00	---	S1(7)
R012	Initial principal radionuclide (pCi/g): U-238	1.000E+00	0.000E+00	---	S1(8)
R012	Concentration in groundwater (pCi/L): U-234	not used	0.000E+00	---	W1(6)
R012	Concentration in groundwater (pCi/L): U-235	not used	0.000E+00	---	W1(7)
R012	Concentration in groundwater (pCi/L): U-238	not used	0.000E+00	---	W1(8)
R013	Cover depth (m)	0.000E+00	0.000E+00	---	COVER0
R013	Density of cover material (g/cm**3)	not used	1.500E+00	---	DENSCV
R013	Cover depth erosion rate (m/yr)	not used	1.000E-03	---	VCV
R013	Density of contaminated zone (g/cm**3)	1.500E+00	1.500E+00	---	DENSCZ
R013	Contaminated zone erosion rate (m/yr)	1.000E-03	1.000E-03	---	VCZ
R013	Contaminated zone total porosity	4.000E-01	4.000E-01	---	TPCZ

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R013	Contaminated zone field capacity	2.000E-01	2.000E-01	---	FCCZ
R013	Contaminated zone hydraulic conductivity (m/yr)	1.000E+01	1.000E+01	---	HCCZ
R013	Contaminated zone b parameter	5.300E+00	5.300E+00	---	BCZ
R013	Average annual wind speed (m/sec)	2.000E+00	2.000E+00	---	WIND
R013	Humidity in air (g/m**3)	not used	8.000E+00	---	HUMID
R013	Evapotranspiration coefficient	5.000E-01	5.000E-01	---	EVAPTR
R013	Precipitation (m/yr)	1.000E+00	1.000E+00	---	PRECIP
R013	Irrigation (m/yr)	2.000E-01	2.000E-01	---	RI
R013	Irrigation mode	overhead	overhead	---	IDITCH
R013	Runoff coefficient	2.000E-01	2.000E-01	---	RUNOFF
R013	Watershed area for nearby stream or pond (m**2)	not used	1.000E+06	---	WAREA
R013	Accuracy for water/soil computations	not used	1.000E-03	---	EPS
R014	Density of saturated zone (g/cm**3)	not used	1.500E+00	---	DENSAQ
R014	Saturated zone total porosity	not used	4.000E-01	---	TPSZ
R014	Saturated zone effective porosity	not used	2.000E-01	---	EPSZ
R014	Saturated zone field capacity	not used	2.000E-01	---	FCSZ
R014	Saturated zone hydraulic conductivity (m/yr)	not used	1.000E+02	---	HCSZ
R014	Saturated zone hydraulic gradient	not used	2.000E-02	---	HGWT
R014	Saturated zone b parameter	not used	5.300E+00	---	BSZ
R014	Water table drop rate (m/yr)	not used	1.000E-03	---	VWT

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Site-Specific Parameter Summary (continued)

Menu	Parameter	User Input	Default	Used by RESRAD (If different from user input)	Parameter Name
R014	Well pump intake depth (m below water table)	not used	1.000E+01	---	DWIBWT
R014	Model: Nondispersion (ND) or Mass-Balance (MB)	not used	ND	---	MODEL
R014	Well pumping rate (m**3/yr)	not used	2.500E+02	---	UW
R015	Number of unsaturated zone strata	not used	1	---	NS
R015	Unsat. zone 1, thickness (m)	not used	4.000E+00	---	H (1)
R015	Unsat. zone 1, soil density (g/cm**3)	not used	1.500E+00	---	DENSUZ (1)
R015	Unsat. zone 1, total porosity	not used	4.000E-01	---	TPUZ (1)
R015	Unsat. zone 1, effective porosity	not used	2.000E-01	---	EPUZ (1)
R015	Unsat. zone 1, field capacity	not used	2.000E-01	---	FCUZ (1)
R015	Unsat. zone 1, soil-specific b parameter	not used	5.300E+00	---	BUZ (1)
R015	Unsat. zone 1, hydraulic conductivity (m/yr)	not used	1.000E+01	---	HCUZ (1)
R016	Distribution coefficients for U-234				
R016	Contaminated zone (cm**3/g)	5.000E+01	5.000E+01	---	DCNUCC (6)
R016	Unsaturated zone 1 (cm**3/g)	not used	5.000E+01	---	DCNUCU (6,1)
R016	Saturated zone (cm**3/g)	not used	5.000E+01	---	DCNUCS (6)
R016	Leach rate (/yr)	0.000E+00	0.000E+00	7.376E-03	ALEACH (6)
R016	Solubility constant	0.000E+00	0.000E+00	not used	SOLUBK (6)
R016	Distribution coefficients for U-235				
R016	Contaminated zone (cm**3/g)	5.000E+01	5.000E+01	---	DCNUCC (7)
R016	Unsaturated zone 1 (cm**3/g)	not used	5.000E+01	---	DCNUCU (7,1)
R016	Saturated zone (cm**3/g)	not used	5.000E+01	---	DCNUCS (7)
R016	Leach rate (/yr)	0.000E+00	0.000E+00	7.376E-03	ALEACH (7)

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R016	Solubility constant	0.000E+00	0.000E+00	not used	SOLUBK (7)
R016	Distribution coefficients for U-238				
R016	Contaminated zone (cm**3/g)	5.000E+01	5.000E+01	---	DCNUCC (8)
R016	Unsaturated zone 1 (cm**3/g)	not used	5.000E+01	---	DCNUCU (8,1)
R016	Saturated zone (cm**3/g)	not used	5.000E+01	---	DCNUCS (8)
R016	Leach rate (/yr)	0.000E+00	0.000E+00	7.376E-03	ALEACH (8)
R016	Solubility constant	0.000E+00	0.000E+00	not used	SOLUBK (8)
R016	Distribution coefficients for daughter Ac-227				
R016	Contaminated zone (cm**3/g)	2.000E+01	2.000E+01	---	DCNUCC (1)
R016	Unsaturated zone 1 (cm**3/g)	not used	2.000E+01	---	DCNUCU (1,1)
R016	Saturated zone (cm**3/g)	not used	2.000E+01	---	DCNUCS (1)
R016	Leach rate (/yr)	0.000E+00	0.000E+00	1.832E-02	ALEACH (1)
R016	Solubility constant	0.000E+00	0.000E+00	not used	SOLUBK (1)
R016	Distribution coefficients for daughter Pa-231				
R016	Contaminated zone (cm**3/g)	5.000E+01	5.000E+01	---	DCNUCC (2)
R016	Unsaturated zone 1 (cm**3/g)	not used	5.000E+01	---	DCNUCU (2,1)
R016	Saturated zone (cm**3/g)	not used	5.000E+01	---	DCNUCS (2)
R016	Leach rate (/yr)	0.000E+00	0.000E+00	7.376E-03	ALEACH (2)
R016	Solubility constant	0.000E+00	0.000E+00	not used	SOLUBK (2)

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R016	Distribution coefficients for daughter Pb-210				
R016	Contaminated zone (cm**3/g)	1.000E+02	1.000E+02	---	DCNUCC (3)
R016	Unsaturated zone 1 (cm**3/g)	not used	1.000E+02	---	DCNUCU (3,1)
R016	Saturated zone (cm**3/g)	not used	1.000E+02	---	DCNUCS (3)
R016	Leach rate (/yr)	0.000E+00	0.000E+00	3.696E-03	ALEACH (3)
R016	Solubility constant	0.000E+00	0.000E+00	not used	SOLUBK (3)
R016	Distribution coefficients for daughter Ra-226				
R016	Contaminated zone (cm**3/g)	7.000E+01	7.000E+01	---	DCNUCC (4)
R016	Unsaturated zone 1 (cm**3/g)	not used	7.000E+01	---	DCNUCU (4,1)
R016	Saturated zone (cm**3/g)	not used	7.000E+01	---	DCNUCS (4)
R016	Leach rate (/yr)	0.000E+00	0.000E+00	5.275E-03	ALEACH (4)
R016	Solubility constant	0.000E+00	0.000E+00	not used	SOLUBK (4)
R016	Distribution coefficients for daughter Th-230				
R016	Contaminated zone (cm**3/g)	6.000E+04	6.000E+04	---	DCNUCC (5)
R016	Unsaturated zone 1 (cm**3/g)	not used	6.000E+04	---	DCNUCU (5,1)
R016	Saturated zone (cm**3/g)	not used	6.000E+04	---	DCNUCS (5)
R016	Leach rate (/yr)	0.000E+00	0.000E+00	6.173E-06	ALEACH (5)
R016	Solubility constant	0.000E+00	0.000E+00	not used	SOLUBK (5)
R017	Inhalation rate (m**3/yr)	7.300E+03	8.400E+03	---	INHALR
R017	Mass loading for inhalation (g/m**3)	1.000E-04	1.000E-04	---	MLINH
R017	Exposure duration	2.500E+01	3.000E+01	---	ED

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R017	Shielding factor, inhalation	4.000E-01	4.000E-01	---	SHF3
R017	Shielding factor, external gamma	7.000E-01	7.000E-01	---	SHF1
R017	Fraction of time spent indoors	0.000E+00	5.000E-01	---	FIND
R017	Fraction of time spent outdoors (on site)	2.283E-01	2.500E-01	---	FOTD
R017	Shape factor flag, external gamma	1.000E+00	1.000E+00	>0 shows circular AREA.	FS
R017	Radii of shape factor array (used if FS = -1):				
R017	Outer annular radius (m), ring 1:	not used	5.000E+01	---	RAD_SHAPE (1)
R017	Outer annular radius (m), ring 2:	not used	7.071E+01	---	RAD_SHAPE (2)
R017	Outer annular radius (m), ring 3:	not used	0.000E+00	---	RAD_SHAPE (3)
R017	Outer annular radius (m), ring 4:	not used	0.000E+00	---	RAD_SHAPE (4)
R017	Outer annular radius (m), ring 5:	not used	0.000E+00	---	RAD_SHAPE (5)
R017	Outer annular radius (m), ring 6:	not used	0.000E+00	---	RAD_SHAPE (6)
R017	Outer annular radius (m), ring 7:	not used	0.000E+00	---	RAD_SHAPE (7)
R017	Outer annular radius (m), ring 8:	not used	0.000E+00	---	RAD_SHAPE (8)
R017	Outer annular radius (m), ring 9:	not used	0.000E+00	---	RAD_SHAPE (9)
R017	Outer annular radius (m), ring 10:	not used	0.000E+00	---	RAD_SHAPE(10)
R017	Outer annular radius (m), ring 11:	not used	0.000E+00	---	RAD_SHAPE(11)
R017	Outer annular radius (m), ring 12:	not used	0.000E+00	---	RAD_SHAPE(12)

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R017	Fractions of annular areas within AREA:				
R017	Ring 1	not used	1.000E+00	---	FRACA (1)
R017	Ring 2	not used	2.732E-01	---	FRACA (2)
R017	Ring 3	not used	0.000E+00	---	FRACA (3)
R017	Ring 4	not used	0.000E+00	---	FRACA (4)
R017	Ring 5	not used	0.000E+00	---	FRACA (5)
R017	Ring 6	not used	0.000E+00	---	FRACA (6)
R017	Ring 7	not used	0.000E+00	---	FRACA (7)
R017	Ring 8	not used	0.000E+00	---	FRACA (8)
R017	Ring 9	not used	0.000E+00	---	FRACA (9)
R017	Ring 10	not used	0.000E+00	---	FRACA(10)
R017	Ring 11	not used	0.000E+00	---	FRACA(11)
R017	Ring 12	not used	0.000E+00	---	FRACA(12)
R018	Fruits, vegetables and grain consumption (kg/yr)	not used	1.600E+02	---	DIET(1)
R018	Leafy vegetable consumption (kg/yr)	not used	1.400E+01	---	DIET(2)
R018	Milk consumption (L/yr)	not used	9.200E+01	---	DIET(3)
R018	Meat and poultry consumption (kg/yr)	not used	6.300E+01	---	DIET(4)
R018	Fish consumption (kg/yr)	not used	5.400E+00	---	DIET(5)
R018	Other seafood consumption (kg/yr)	not used	9.000E-01	---	DIET(6)
R018	Soil ingestion rate (g/yr)	1.825E+01	3.650E+01	---	SOIL
R018	Drinking water intake (L/yr)	not used	5.100E+02	---	DWI
R018	Contamination fraction of drinking water	not used	1.000E+00	---	FDW
R018	Contamination fraction of household water	not used	1.000E+00	---	FHHW
R018	Contamination fraction of livestock water	not used	1.000E+00	---	FLW
R018	Contamination fraction of irrigation water	not used	1.000E+00	---	FIRW
R018	Contamination fraction of aquatic food	not used	5.000E-01	---	FR9

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R018	Contamination fraction of plant food	not used	-1	---	FPLANT
R018	Contamination fraction of meat	not used	-1	---	FMEAT
R018	Contamination fraction of milk	not used	-1	---	FMILK
R019	Livestock fodder intake for meat (kg/day)	not used	6.800E+01	---	LFI5
R019	Livestock fodder intake for milk (kg/day)	not used	5.500E+01	---	LFI6
R019	Livestock water intake for meat (L/day)	not used	5.000E+01	---	LWI5
R019	Livestock water intake for milk (L/day)	not used	1.600E+02	---	LWI6
R019	Livestock soil intake (kg/day)	not used	5.000E-01	---	LSI
R019	Mass loading for foliar deposition (g/m**3)	not used	1.000E-04	---	MLFD
R019	Depth of soil mixing layer (m)	1.500E-01	1.500E-01	---	DM
R019	Depth of roots (m)	not used	9.000E-01	---	DROOT
R019	Drinking water fraction from ground water	not used	1.000E+00	---	FGWDW
R019	Household water fraction from ground water	not used	1.000E+00	---	FGWHH
R019	Livestock water fraction from ground water	not used	1.000E+00	---	FGWLW
R019	Irrigation fraction from ground water	not used	1.000E+00	---	FGWIR
R19B	Wet weight crop yield for Non-Leafy (kg/m**2)	not used	7.000E-01	---	YV (1)
R19B	Wet weight crop yield for Leafy (kg/m**2)	not used	1.500E+00	---	YV (2)
R19B	Wet weight crop yield for Fodder (kg/m**2)	not used	1.100E+00	---	YV (3)
R19B	Growing Season for Non-Leafy (years)	not used	1.700E-01	---	TE (1)
R19B	Growing Season for Leafy (years)	not used	2.500E-01	---	TE (2)
R19B	Growing Season for Fodder (years)	not used	8.000E-02	---	TE (3)

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Menu	Parameter	User Input	Default	Used by RESRAD (If different from user input)	Parameter Name
R19B	Translocation Factor for Non-Leafy	not used	1.000E-01	---	TIV (1)
R19B	Translocation Factor for Leafy	not used	1.000E+00	---	TIV (2)
R19B	Translocation Factor for Fodder	not used	1.000E+00	---	TIV (3)
R19B	Dry Foliar Interception Fraction for Non-Leafy	not used	2.500E-01	---	RDRY (1)
R19B	Dry Foliar Interception Fraction for Leafy	not used	2.500E-01	---	RDRY (2)
R19B	Dry Foliar Interception Fraction for Fodder	not used	2.500E-01	---	RDRY (3)
R19B	Wet Foliar Interception Fraction for Non-Leafy	not used	2.500E-01	---	RWET (1)
R19B	Wet Foliar Interception Fraction for Leafy	not used	2.500E-01	---	RWET (2)
R19B	Wet Foliar Interception Fraction for Fodder	not used	2.500E-01	---	RWET (3)
R19B	Weathering Removal Constant for Vegetation	not used	2.000E+01	---	WLAM
C14	C-12 concentration in water (g/cm**3)	not used	2.000E-05	---	C12WTR
C14	C-12 concentration in contaminated soil (g/g)	not used	3.000E-02	---	C12CZ
C14	Fraction of vegetation carbon from soil	not used	2.000E-02	---	CSOIL
C14	Fraction of vegetation carbon from air	not used	9.800E-01	---	CAIR
C14	C-14 evasion layer thickness in soil (m)	not used	3.000E-01	---	DMC
C14	C-14 evasion flux rate from soil (1/sec)	not used	7.000E-07	---	EVSN
C14	C-12 evasion flux rate from soil (1/sec)	not used	1.000E-10	---	REVSN
C14	Fraction of grain in beef cattle feed	not used	8.000E-01	---	AVFG4
C14	Fraction of grain in milk cow feed	not used	2.000E-01	---	AVFG5
STOR	Storage times of contaminated foodstuffs (days):				
STOR	Fruits, non-leafy vegetables, and grain	1.400E+01	1.400E+01	---	STOR_T (1)

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STOR	Leafy vegetables	1.000E+00	1.000E+00	---	STOR_T (2)
STOR	Milk	1.000E+00	1.000E+00	---	STOR_T (3)
STOR	Meat and poultry	2.000E+01	2.000E+01	---	STOR_T (4)
STOR	Fish	7.000E+00	7.000E+00	---	STOR_T (5)
STOR	Crustacea and mollusks	7.000E+00	7.000E+00	---	STOR_T (6)
STOR	Well water	1.000E+00	1.000E+00	---	STOR_T (7)
STOR	Surface water	1.000E+00	1.000E+00	---	STOR_T (8)
STOR	Livestock fodder	4.500E+01	4.500E+01	---	STOR_T (9)
R021	Thickness of building foundation (m)	not used	1.500E-01	---	FLOOR1
R021	Bulk density of building foundation (g/cm**3)	not used	2.400E+00	---	DENSFL
R021	Total porosity of the cover material	not used	4.000E-01	---	TPCV
R021	Total porosity of the building foundation	not used	1.000E-01	---	TPFL
R021	Volumetric water content of the cover material	not used	5.000E-02	---	PH2OCV
R021	Volumetric water content of the foundation	not used	3.000E-02	---	PH2OFL
R021	Diffusion coefficient for radon gas (m/sec):				
R021	in cover material	not used	2.000E-06	---	DIFCV
R021	in foundation material	not used	3.000E-07	---	DIFFL
R021	in contaminated zone soil	not used	2.000E-06	---	DIFCZ
R021	Radon vertical dimension of mixing (m)	not used	2.000E+00	---	HMIX
R021	Average building air exchange rate (1/hr)	not used	5.000E-01	---	REXG
R021	Height of the building (room) (m)	not used	2.500E+00	---	HRM
R021	Building interior area factor	not used	0.000E+00	---	FAI
R021	Building depth below ground surface (m)	not used	-1.000E+00	---	DMFL
R021	Emanating power of Rn-222 gas	not used	2.500E-01	---	EMANA (1)
R021	Emanating power of Rn-220 gas	not used	1.500E-01	---	EMANA (2)
TITL	Number of graphical time points	32	---	---	NPTS

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TITL	Maximum number of integration points for dose	17	---	---	LYMAX
TITL	Maximum number of integration points for risk	257	---	---	KYMAX

Summary of Pathway Selections

Pathway	User Selection
1 -- external gamma	active
2 -- inhalation (w/o radon)	active
3 -- plant ingestion	suppressed
4 -- meat ingestion	suppressed
5 -- milk ingestion	suppressed
6 -- aquatic foods	suppressed
7 -- drinking water	suppressed
8 -- soil ingestion	active

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9 -- radon suppressed
 Find peak pathway doses active

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Contaminated Zone Dimensions	Initial Soil Concentrations, pCi/g
Area: 354695.00 square meters	U-234 1.000E+00
Thickness: 0.90 meters	U-235 1.000E+00
Cover Depth: 0.00 meters	U-238 1.000E+00

0
 Total Dose TDOSE(t), mrem/yr
 Basic Radiation Dose Limit = 2.500E+01 mrem/yr
 Total Mixture Sum M(t) = Fraction of Basic Dose Limit Received at Time (t)

t (years):	0.000E+00	1.000E+00	3.000E+00	1.000E+01	7.000E+01	1.000E+02	3.000E+02	1.000E+03
TDOSE(t):	2.085E-01	2.069E-01	2.039E-01	1.937E-01	1.247E-01	1.001E-01	2.325E-02	0.000E+00
M(t):	8.339E-03	8.278E-03	8.157E-03	7.747E-03	4.989E-03	4.005E-03	9.299E-04	0.000E+00

0Maximum TDOSE(t): 2.085E-01 mrem/yr at t = 0.000E+00 years

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Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
 As mrem/yr and Fraction of Total Dose At t = 0.000E+00 years
 Water Independent Pathways (Inhalation excludes radon)

Radio-Nuclide	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
	mrem/yr	fract.												
U-234	7.859E-05	0.0004	1.398E-03	0.0067	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	7.603E-04	0.0036
U-235	1.658E-01	0.7952	1.259E-03	0.0060	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	7.225E-04	0.0035
U-238	3.654E-02	0.1753	1.196E-03	0.0057	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	7.371E-04	0.0035
Total	2.024E-01	0.9709	3.853E-03	0.0185	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.220E-03	0.0106

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
 As mrem/yr and Fraction of Total Dose At t = 0.000E+00 years
 Water Dependent Pathways

Radio-Nuclide	Water		Fish		Radon		Plant		Meat		Milk		All Pathways*	
	mrem/yr	fract.												
U-234	0.000E+00	0.0000	2.237E-03	0.0107										
U-235	0.000E+00	0.0000	1.678E-01	0.8047										
U-238	0.000E+00	0.0000	3.847E-02	0.1845										
Total	0.000E+00	0.0000	2.085E-01	1.0000										

0*Sum of all water independent and dependent pathways.

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Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
 As mrem/yr and Fraction of Total Dose At t = 1.000E+00 years

0
0
Water Independent Pathways (Inhalation excludes radon)

Radio- Nuclide	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
	mrem/yr	fract.												
U-234	7.803E-05	0.0004	1.388E-03	0.0067	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	7.547E-04	0.0036
U-235	1.646E-01	0.7952	1.250E-03	0.0060	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	7.173E-04	0.0035
U-238	3.627E-02	0.1753	1.187E-03	0.0057	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	7.317E-04	0.0035
Total	2.009E-01	0.9709	3.825E-03	0.0185	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.204E-03	0.0106

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
 As mrem/yr and Fraction of Total Dose At t = 1.000E+00 years

0
0
Water Dependent Pathways

Radio- Nuclide	Water		Fish		Radon		Plant		Meat		Milk		All Pathways*	
	mrem/yr	fract.												
U-234	0.000E+00	0.0000	2.221E-03	0.0107										
U-235	0.000E+00	0.0000	1.665E-01	0.8047										
U-238	0.000E+00	0.0000	3.819E-02	0.1845										
Total	0.000E+00	0.0000	2.069E-01	1.0000										

0*Sum of all water independent and dependent pathways.

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Summary : IAAAP OU8 DCLG Calcs for DU Site Worker

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Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
 As mrem/yr and Fraction of Total Dose At t = 3.000E+00 years

0
0
Water Independent Pathways (Inhalation excludes radon)

Radio- Nuclide	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
	mrem/yr	fract.												
U-234	7.693E-05	0.0004	1.368E-03	0.0067	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	7.437E-04	0.0036
U-235	1.622E-01	0.7952	1.234E-03	0.0060	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	7.072E-04	0.0035
U-238	3.574E-02	0.1752	1.170E-03	0.0057	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	7.210E-04	0.0035
Total	1.980E-01	0.9709	3.771E-03	0.0185	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.172E-03	0.0107

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
 As mrem/yr and Fraction of Total Dose At t = 3.000E+00 years

0
0
Water Dependent Pathways

Radio- Nuclide	Water		Fish		Radon		Plant		Meat		Milk		All Pathways*	
	mrem/yr	fract.	mrem/yr	fract.										
U-234	0.000E+00	0.0000	2.188E-03	0.0107										
U-235	0.000E+00	0.0000	1.641E-01	0.8047										
U-238	0.000E+00	0.0000	3.763E-02	0.1845										

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Total 0.000E+00 0.0000 0.000E+00 0.0000 0.000E+00 0.0000 0.000E+00 0.0000 0.000E+00 0.0000 0.000E+00 0.0000 2.039E-01 1.0000
 0*Sum of all water independent and dependent pathways.
 1RESRAD-ONSITE, Version 7.2 T½ Limit = 180 days 01/23/2018 16:04 Page 15
 Summary : IAAAP OU8 DCLG Calcs for DU Site Worker
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Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)

As mrem/yr and Fraction of Total Dose At t = 1.000E+01 years

Water Independent Pathways (Inhalation excludes radon)

Radio- Nuclide	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
U-234	7.352E-05	0.0004	1.300E-03	0.0067	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	7.065E-04	0.0036
U-235	1.540E-01	0.7952	1.177E-03	0.0061	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	6.728E-04	0.0035
U-238	3.394E-02	0.1752	1.111E-03	0.0057	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	6.847E-04	0.0035
Total	1.880E-01	0.9708	3.587E-03	0.0185	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.064E-03	0.0107

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)

As mrem/yr and Fraction of Total Dose At t = 1.000E+01 years

Water Dependent Pathways

Radio- Nuclide	Water		Fish		Radon		Plant		Meat		Milk		All Pathways*	
	mrem/yr	fract.	mrem/yr	fract.										
U-234	0.000E+00	0.0000	2.080E-03	0.0107										
U-235	0.000E+00	0.0000	1.559E-01	0.8048										
U-238	0.000E+00	0.0000	3.573E-02	0.1845										
Total	0.000E+00	0.0000	1.937E-01	1.0000										

0*Sum of all water independent and dependent pathways.
 1RESRAD-ONSITE, Version 7.2 T½ Limit = 180 days 01/23/2018 16:04 Page 16
 Summary : IAAAP OU8 DCLG Calcs for DU Site Worker
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Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)

As mrem/yr and Fraction of Total Dose At t = 7.000E+01 years

Water Independent Pathways (Inhalation excludes radon)

Radio- Nuclide	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
U-234	6.424E-05	0.0005	8.417E-04	0.0067	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	4.554E-04	0.0037
U-235	9.917E-02	0.7951	7.931E-04	0.0064	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	4.406E-04	0.0035
U-238	2.180E-02	0.1748	7.137E-04	0.0057	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	4.399E-04	0.0035
Total	1.210E-01	0.9705	2.348E-03	0.0188	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.336E-03	0.0107

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)

As mrem/yr and Fraction of Total Dose At t = 7.000E+01 years

Water Dependent Pathways

Radio- Nuclide	Water		Fish		Radon		Plant		Meat		Milk		All Pathways*	
	mrem/yr	fract.	mrem/yr	fract.										

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Radio-Nuclide	mrem/yr	fract.		
U-234	0.000E+00	0.0000	1.361E-03	0.0109
U-235	0.000E+00	0.0000	1.004E-01	0.8050
U-238	0.000E+00	0.0000	2.296E-02	0.1840
Total	0.000E+00	0.0000	1.247E-01	1.0000

0*Sum of all water independent and dependent pathways.

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Summary : IAAAP OU8 DCLG Calcs for DU Site Worker

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Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
As mrem/yr and Fraction of Total Dose At t = 1.000E+02 years

0
0

Water Independent Pathways (Inhalation excludes radon)

Radio-Nuclide	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
	mrem/yr	fract.												
U-234	6.865E-05	0.0007	6.783E-04	0.0068	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.659E-04	0.0037
U-235	7.960E-02	0.7950	6.518E-04	0.0065	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.569E-04	0.0036
U-238	1.747E-02	0.1745	5.721E-04	0.0057	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.526E-04	0.0035
Total	9.714E-02	0.9703	1.902E-03	0.0190	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.075E-03	0.0107

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
As mrem/yr and Fraction of Total Dose At t = 1.000E+02 years

0
0

Water Dependent Pathways

Radio-Nuclide	Water		Fish		Radon		Plant		Meat		Milk		All Pathways*	
	mrem/yr	fract.												
U-234	0.000E+00	0.0000	1.113E-03	0.0111										
U-235	0.000E+00	0.0000	8.061E-02	0.8051										
U-238	0.000E+00	0.0000	1.840E-02	0.1838										
Total	0.000E+00	0.0000	1.001E-01	1.0000										

0*Sum of all water independent and dependent pathways.

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Summary : IAAAP OU8 DCLG Calcs for DU Site Worker

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Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
As mrem/yr and Fraction of Total Dose At t = 3.000E+02 years

0
0

Water Independent Pathways (Inhalation excludes radon)

Radio-Nuclide	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
U-234	1.370E-04	0.0059	1.697E-04	0.0073	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	8.829E-05	0.0038
U-235	1.838E-02	0.7908	1.737E-04	0.0075	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	8.731E-05	0.0038
U-238	3.996E-03	0.1719	1.309E-04	0.0056	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	8.071E-05	0.0035

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Total 2.252E-02 0.9686 4.744E-04 0.0204 0.000E+00 0.0000 0.000E+00 0.0000 0.000E+00 0.0000 0.000E+00 0.0000 2.563E-04 0.0110
0

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
As mrem/yr and Fraction of Total Dose At t = 3.000E+02 years

0
0

Water Dependent Pathways

Radio- Nuclide	Water		Fish		Radon		Plant		Meat		Milk		All Pathways*	
	mrem/yr	fract.												
U-234	0.000E+00	0.0000	3.950E-04	0.0170										
U-235	0.000E+00	0.0000	1.865E-02	0.8020										
U-238	0.000E+00	0.0000	4.208E-03	0.1810										
Total	0.000E+00	0.0000	2.325E-02	1.0000										

0*Sum of all water independent and dependent pathways.

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Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
As mrem/yr and Fraction of Total Dose At t = 1.000E+03 years

0
0

Water Independent Pathways (Inhalation excludes radon)

Radio- Nuclide	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
	mrem/yr	fract.												
U-234	0.000E+00	0.0000												
U-235	0.000E+00	0.0000												
U-238	0.000E+00	0.0000												
Total	0.000E+00	0.0000												

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
As mrem/yr and Fraction of Total Dose At t = 1.000E+03 years

0
0

Water Dependent Pathways

Radio- Nuclide	Water		Fish		Radon		Plant		Meat		Milk		All Pathways*	
	mrem/yr	fract.												
U-234	0.000E+00	0.0000												
U-235	0.000E+00	0.0000												
U-238	0.000E+00	0.0000												
Total	0.000E+00	0.0000												

0*Sum of all water independent and dependent pathways.

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Summary : IAAAP OU8 DCLG Calcs for DU Site Worker
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Dose/Source Ratios Summed Over All Pathways
Parent and Progeny Principal Radionuclide Contributions Indicated

Parent (i)	Product (j)	Thread Fraction	DSR(j,t) 0.000E+00	At Time in Years 1.000E+00	(mrem/yr)/(pCi/g) 3.000E+00	7.000E+01	1.000E+01	7.000E+01	1.000E+02	3.000E+02	1.000E+03

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U-234	U-234	1.000E+00	2.237E-03	2.220E-03	2.188E-03	2.078E-03	1.334E-03	1.069E-03	2.445E-04	0.000E+00
U-234	Th-230	1.000E+00	8.581E-08	2.566E-07	5.944E-07	1.738E-06	9.452E-06	1.220E-05	2.071E-05	0.000E+00
U-234	Ra-226+D	1.000E+00	1.560E-09	1.088E-08	5.704E-08	4.950E-07	1.726E-05	3.098E-05	1.284E-04	0.000E+00
U-234	Pb-210+D	1.000E+00	1.675E-13	2.487E-12	2.836E-11	6.930E-10	1.103E-07	2.405E-07	1.437E-06	0.000E+00
U-234	ΣDSR (j)		2.237E-03	2.221E-03	2.188E-03	2.080E-03	1.361E-03	1.113E-03	3.950E-04	0.000E+00
OU-235+D	U-235+D	1.000E+00	1.678E-01	1.665E-01	1.641E-01	1.558E-01	1.001E-01	8.024E-02	1.835E-02	0.000E+00
U-235+D	Pa-231	1.000E+00	8.228E-07	2.452E-06	5.639E-06	1.607E-05	6.926E-05	7.911E-05	5.399E-05	0.000E+00
U-235+D	Ac-227+D	1.000E+00	5.542E-08	3.809E-07	1.931E-06	1.493E-05	2.266E-04	2.912E-04	2.379E-04	0.000E+00
U-235+D	ΣDSR (j)		1.678E-01	1.665E-01	1.641E-01	1.559E-01	1.004E-01	8.061E-02	1.865E-02	0.000E+00
OU-238	U-238	5.450E-07	1.045E-09	1.038E-09	1.023E-09	9.711E-10	6.239E-10	5.000E-10	1.144E-10	0.000E+00
OU-238+D	U-238+D	1.000E+00	3.847E-02	3.819E-02	3.763E-02	3.573E-02	2.295E-02	1.840E-02	4.207E-03	0.000E+00
U-238+D	U-234	1.000E+00	3.154E-09	9.400E-09	2.162E-08	6.159E-08	2.656E-07	3.035E-07	2.075E-07	0.000E+00
U-238+D	Th-230	1.000E+00	8.066E-14	5.623E-13	2.944E-12	2.545E-11	8.597E-10	1.519E-09	5.785E-09	0.000E+00
U-238+D	Ra-226+D	1.000E+00	1.101E-15	1.644E-14	1.899E-13	4.860E-12	1.085E-09	2.708E-09	2.816E-08	0.000E+00
U-238+D	Pb-210+D	1.000E+00	9.462E-20	2.905E-18	7.167E-17	5.194E-15	5.710E-12	1.782E-11	2.950E-10	0.000E+00
U-238+D	ΣDSR (j)		3.847E-02	3.819E-02	3.763E-02	3.573E-02	2.296E-02	1.840E-02	4.208E-03	0.000E+00

The DSR includes contributions from associated (half-life ≤ 180 days) daughters.

0

Single Radionuclide Soil Guidelines G(i,t) in pCi/g
Basic Radiation Dose Limit = 2.500E+01 mrem/yr

0Nuclide (i)	t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	7.000E+01	1.000E+02	3.000E+02	1.000E+03
U-234	1.118E+04	1.126E+04	1.142E+04	1.202E+04	1.836E+04	2.246E+04	6.329E+04	*6.222E+09
U-235	1.490E+02	1.501E+02	1.523E+02	1.604E+02	2.490E+02	3.101E+02	1.341E+03	*2.160E+06
U-238	6.499E+02	6.547E+02	6.644E+02	6.996E+02	1.089E+03	1.359E+03	5.942E+03	*3.361E+05

*At specific activity limit

0

Summed Dose/Source Ratios DSR(i,t) in (mrem/yr)/(pCi/g)
and Single Radionuclide Soil Guidelines G(i,t) in pCi/g
at tmin = time of minimum single radionuclide soil guideline
and at tmax = time of maximum total dose = 0.000E+00 years

0Nuclide (i)	Initial (pCi/g)	tmin (years)	DSR(i,tmin)	G(i,tmin) (pCi/g)	DSR(i,tmax)	G(i,tmax) (pCi/g)
U-234	1.000E+00	0.000E+00	2.237E-03	1.118E+04	2.237E-03	1.118E+04
U-235	1.000E+00	0.000E+00	1.678E-01	1.490E+02	1.678E-01	1.490E+02
U-238	1.000E+00	0.000E+00	3.847E-02	6.499E+02	3.847E-02	6.499E+02

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Summary : IAAAP OU8 DCLG Calcs for DU Site Worker

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Individual Nuclide Dose Summed Over All Pathways

Parent Nuclide and Branch Fraction Indicated

0Nuclide (j)	Parent (i)	THF(i)	DOSE (j,t), mrem/yr							
			t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	7.000E+01	1.000E+02	3.000E+02	1.000E+03
U-234	U-234	1.000E+00	2.237E-03	2.220E-03	2.188E-03	2.078E-03	1.334E-03	1.069E-03	2.445E-04	0.000E+00
U-234	U-238	1.000E+00	3.154E-09	9.400E-09	2.162E-08	6.159E-08	2.656E-07	3.035E-07	2.075E-07	0.000E+00
U-234	ΣDOSE (j)		2.237E-03	2.220E-03	2.188E-03	2.078E-03	1.335E-03	1.070E-03	2.447E-04	0.000E+00

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0Th-230	U-234	1.000E+00	8.581E-08	2.566E-07	5.944E-07	1.738E-06	9.452E-06	1.220E-05	2.071E-05	0.000E+00
Th-230	U-238	1.000E+00	8.066E-14	5.623E-13	2.944E-12	2.545E-11	8.597E-10	1.519E-09	5.785E-09	0.000E+00
Th-230	ΣDOSE (j)		8.581E-08	2.566E-07	5.944E-07	1.738E-06	9.453E-06	1.220E-05	2.072E-05	0.000E+00
0Ra-226	U-234	1.000E+00	1.560E-09	1.088E-08	5.704E-08	4.950E-07	1.726E-05	3.098E-05	1.284E-04	0.000E+00
Ra-226	U-238	1.000E+00	1.101E-15	1.644E-14	1.899E-13	4.860E-12	1.085E-09	2.708E-09	2.816E-08	0.000E+00
Ra-226	ΣDOSE (j)		1.560E-09	1.088E-08	5.704E-08	4.950E-07	1.727E-05	3.098E-05	1.284E-04	0.000E+00
0Pb-210	U-234	1.000E+00	1.675E-13	2.487E-12	2.836E-11	6.930E-10	1.103E-07	2.405E-07	1.437E-06	0.000E+00
Pb-210	U-238	1.000E+00	9.462E-20	2.905E-18	7.167E-17	5.194E-15	5.710E-12	1.782E-11	2.950E-10	0.000E+00
Pb-210	ΣDOSE (j)		1.675E-13	2.487E-12	2.836E-11	6.930E-10	1.103E-07	2.405E-07	1.438E-06	0.000E+00
0U-235	U-235	1.000E+00	1.678E-01	1.665E-01	1.641E-01	1.558E-01	1.001E-01	8.024E-02	1.835E-02	0.000E+00
0Pa-231	U-235	1.000E+00	8.228E-07	2.452E-06	5.639E-06	1.607E-05	6.926E-05	7.911E-05	5.399E-05	0.000E+00
0Ac-227	U-235	1.000E+00	5.542E-08	3.809E-07	1.931E-06	1.493E-05	2.266E-04	2.912E-04	2.379E-04	0.000E+00
0U-238	U-238	5.450E-07	1.045E-09	1.038E-09	1.023E-09	9.711E-10	6.239E-10	5.000E-10	1.144E-10	0.000E+00
U-238	U-238	1.000E+00	3.847E-02	3.819E-02	3.763E-02	3.573E-02	2.295E-02	1.840E-02	4.207E-03	0.000E+00
U-238	ΣDOSE (j)		3.847E-02	3.819E-02	3.763E-02	3.573E-02	2.295E-02	1.840E-02	4.207E-03	0.000E+00

THF(i) is the thread fraction of the parent nuclide.

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Summary : IAAAP OU8 DCLG Calcs for DU Site Worker

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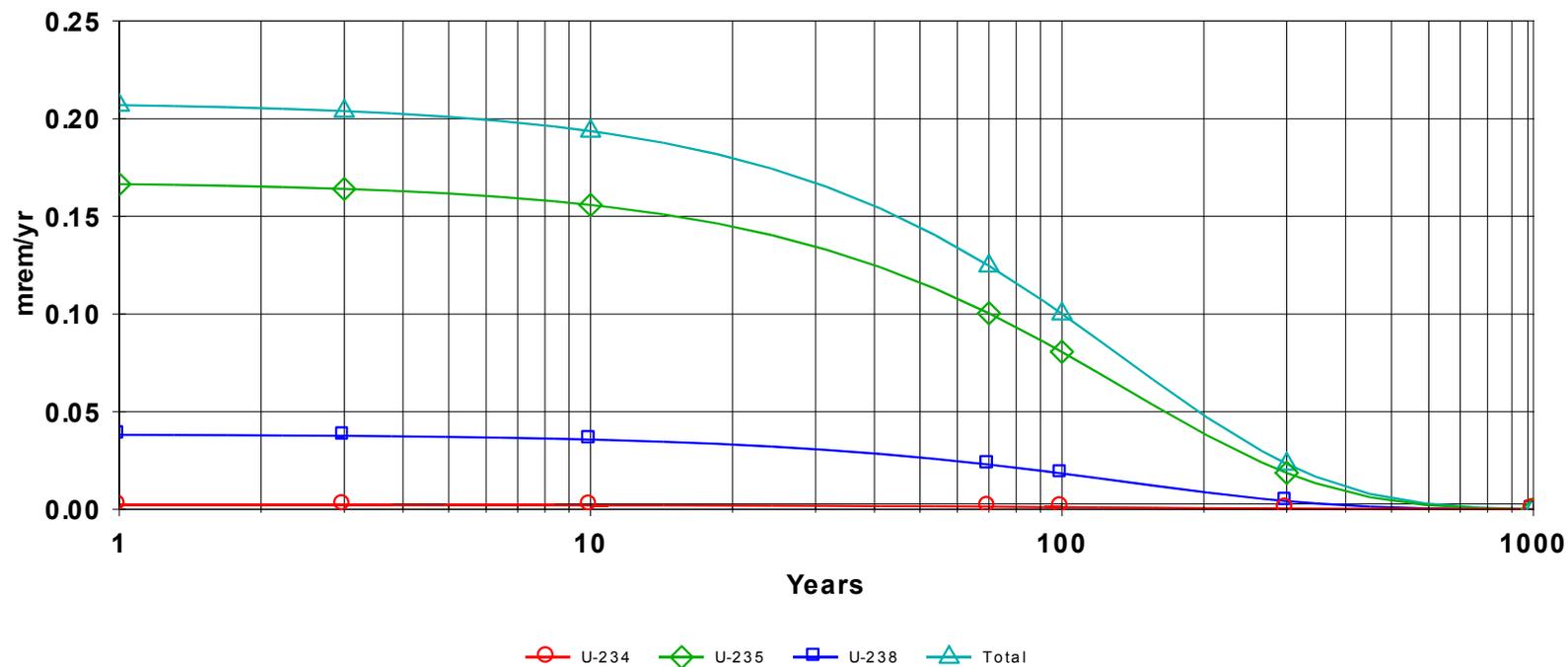
Individual Nuclide Soil Concentration
Parent Nuclide and Branch Fraction Indicated

0Nuclide	Parent (j)	THF (i)	S(j,t), pCi/g							
			t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	7.000E+01	1.000E+02	3.000E+02	1.000E+03
U-234	U-234	1.000E+00	1.000E+00	9.926E-01	9.781E-01	9.289E-01	5.966E-01	4.781E-01	1.093E-01	6.244E-04
U-234	U-238	1.000E+00	0.000E+00	2.803E-06	8.285E-06	2.623E-05	1.179E-04	1.350E-04	9.262E-05	1.766E-06
U-234	ΣS(j):		1.000E+00	9.927E-01	9.781E-01	9.289E-01	5.967E-01	4.783E-01	1.094E-01	6.262E-04
0Th-230	U-234	1.000E+00	0.000E+00	9.161E-06	2.728E-05	8.864E-05	5.024E-04	6.498E-04	1.107E-03	1.229E-03
Th-230	U-238	1.000E+00	0.000E+00	1.292E-11	1.151E-10	1.236E-09	4.541E-08	8.058E-08	3.088E-07	4.692E-07
Th-230	ΣS(j):		0.000E+00	9.161E-06	2.728E-05	8.864E-05	5.025E-04	6.499E-04	1.107E-03	1.229E-03
0Ra-226	U-234	1.000E+00	0.000E+00	1.983E-09	1.769E-08	1.907E-07	7.234E-06	1.303E-05	5.442E-05	9.240E-05
Ra-226	U-238	1.000E+00	0.000E+00	1.865E-15	4.984E-14	1.781E-12	4.514E-10	1.134E-09	1.193E-08	3.454E-08
Ra-226	ΣS(j):		0.000E+00	1.983E-09	1.769E-08	1.907E-07	7.234E-06	1.304E-05	5.443E-05	9.243E-05
0Pb-210	U-234	1.000E+00	0.000E+00	2.048E-11	5.400E-10	1.842E-08	3.325E-06	7.294E-06	4.397E-05	8.246E-05
Pb-210	U-238	1.000E+00	0.000E+00	1.447E-17	1.147E-15	1.311E-13	1.709E-10	5.379E-10	9.012E-09	3.070E-08
Pb-210	ΣS(j):		0.000E+00	2.048E-11	5.400E-10	1.842E-08	3.325E-06	7.295E-06	4.398E-05	8.249E-05
0U-235	U-235	1.000E+00	1.000E+00	9.927E-01	9.781E-01	9.289E-01	5.967E-01	4.783E-01	1.094E-01	6.262E-04
0Pa-231	U-235	1.000E+00	0.000E+00	2.100E-05	6.208E-05	1.965E-04	8.831E-04	1.011E-03	6.922E-04	1.311E-05
0Ac-227	U-235	1.000E+00	0.000E+00	3.296E-07	2.842E-06	2.726E-05	4.488E-04	5.789E-04	4.751E-04	9.530E-06
0U-238	U-238	5.450E-07	5.450E-07	5.410E-07	5.331E-07	5.062E-07	3.252E-07	2.607E-07	5.962E-08	3.413E-10
U-238	U-238	1.000E+00	1.000E+00	9.927E-01	9.781E-01	9.289E-01	5.967E-01	4.783E-01	1.094E-01	6.262E-04
U-238	ΣS(j):		1.000E+00	9.927E-01	9.781E-01	9.289E-01	5.967E-01	4.783E-01	1.094E-01	6.262E-04

THF(i) is the thread fraction of the parent nuclide.

0RESALC.EXE execution time = 1.52 seconds

DOSE: All Nuclides Summed, All Pathways Summed



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ATTACHMENT E-1-2
SITE WORKER RESRAD-ONSITE 7.2 RISK OUTPUT REPORT
(On the CD-ROM on the Back Cover of this Report)

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Part III: Intake Quantities and Health Risk Factors

Cancer Risk Slope Factors 2
 Risk Slope and ETFG for the Ground Pathway 4
 Amount of Intake Quantities and Excess Cancer Risks
 Time= 0.000E+00 5
 Time= 1.000E+00 8
 Time= 3.000E+00 11
 Time= 1.000E+01 14
 Time= 7.000E+01 17
 Time= 1.000E+02 20
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 Time= 1.000E+03 26

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Cancer Risk Slope Factors Summary Table
 Risk Library: DCFPAK3.02 Morbidity

Menu	Parameter	Current Value	Base Case*	Parameter Name
Sf-1	Ground external radiation slope factors, 1/yr per (pCi/g):			
Sf-1	Ac-227+D	1.63E-06	1.98E-10	SLPF(1,1)
Sf-1	Pa-231	1.27E-07	1.27E-07	SLPF(2,1)
Sf-1	Pb-210+D	4.30E-09	1.48E-09	SLPF(3,1)
Sf-1	Ra-226+D	8.37E-06	2.50E-08	SLPF(4,1)
Sf-1	Th-230	8.45E-10	8.45E-10	SLPF(5,1)
Sf-1	U-234	2.53E-10	2.53E-10	SLPF(6,1)
Sf-1	U-235+D	5.76E-07	5.51E-07	SLPF(7,1)
Sf-1	U-238	1.24E-10	1.24E-10	SLPF(8,1)
Sf-1	U-238+D	1.19E-07	1.24E-10	SLPF(9,1)
Sf-2	Inhalation, slope factors, 1/(pCi):			
Sf-2	Ac-227+D	2.13E-07	1.49E-07	SLPF(1,2)
Sf-2	Pa-231	7.62E-08	7.62E-08	SLPF(2,2)
Sf-2	Pb-210+D	3.08E-08	1.59E-08	SLPF(3,2)
Sf-2	Ra-226+D	2.82E-08	2.81E-08	SLPF(4,2)
Sf-2	Th-230	3.41E-08	3.41E-08	SLPF(5,2)
Sf-2	U-234	2.78E-08	2.78E-08	SLPF(6,2)
Sf-2	U-235+D	2.50E-08	2.50E-08	SLPF(7,2)
Sf-2	U-238	2.36E-08	2.36E-08	SLPF(8,2)
Sf-2	U-238+D	2.37E-08	2.36E-08	SLPF(9,2)
Sf-3	Food ingestion, slope factors, 1/(pCi):			
Sf-3	Ac-227+D	6.54E-10	2.45E-10	SLPF(1,3)

FUSRAP Five-Year Review Report for Operable Unit 1 (OU-1) and Operable Unit 8 (OU-8) Iowa Army Ammunition Plant

Sf-3	Pa-231	2.26E-10	2.26E-10	SLPF (2,3)
Sf-3	Pb-210+D	3.44E-09	1.18E-09	SLPF (3,3)
Sf-3	Ra-226+D	5.15E-10	5.14E-10	SLPF (4,3)
Sf-3	Th-230	1.19E-10	1.19E-10	SLPF (5,3)
Sf-3	U-234	9.55E-11	9.55E-11	SLPF (6,3)
Sf-3	U-235+D	9.76E-11	9.43E-11	SLPF (7,3)
Sf-3	U-238	8.66E-11	8.66E-11	SLPF (8,3)
Sf-3	U-238+D	1.21E-10	8.66E-11	SLPF (9,3)
Sf-3 Water ingestion, slope factors, 1/(pCi):				
Sf-3	Ac-227+D	4.87E-10	2.01E-10	SLPF (1,4)
Sf-3	Pa-231	1.72E-10	1.72E-10	SLPF (2,4)
Sf-3	Pb-210+D	2.67E-09	8.84E-10	SLPF (3,4)
Sf-3	Ra-226+D	3.85E-10	3.85E-10	SLPF (4,4)
Sf-3	Th-230	9.14E-11	9.14E-11	SLPF (5,4)
Sf-3	U-234	7.07E-11	7.07E-11	SLPF (6,4)
Sf-3	U-235+D	7.17E-11	6.95E-11	SLPF (7,4)
Sf-3	U-238	6.40E-11	6.40E-11	SLPF (8,4)
Sf-3	U-238+D	8.71E-11	6.40E-11	SLPF (9,4)
Sf-3 Soil ingestion, slope factors, 1/(pCi):				
Sf-3	Ac-227+D	6.54E-10	2.45E-10	SLPF (1,5)
Sf-3	Pa-231	2.26E-10	2.26E-10	SLPF (2,5)
Sf-3	Pb-210+D	3.44E-09	1.18E-09	SLPF (3,5)
Sf-3	Ra-226+D	5.15E-10	5.14E-10	SLPF (4,5)
Sf-3	Th-230	1.19E-10	1.19E-10	SLPF (5,5)

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Cancer Risk Slope Factors Summary Table (continued)
 Risk Library: DCFPAK3.02 Morbidity

0	Menu	Parameter	Current Value	Base Case*	Parameter Name
	Sf-3	U-234	9.55E-11	9.55E-11	SLPF (6,5)
	Sf-3	U-235+D	9.76E-11	9.43E-11	SLPF (7,5)
	Sf-3	U-238	8.66E-11	8.66E-11	SLPF (8,5)
	Sf-3	U-238+D	1.21E-10	8.66E-11	SLPF (9,5)
	Sf-Rn Radon Inhalation slope factors, 1/(pCi):				
	Sf-Rn	Rn-222	1.80E-12	1.80E-12	SLPFRN(1,1)
	Sf-Rn	Po-218	3.70E-12	3.70E-12	SLPFRN(1,2)
	Sf-Rn	Pb-214	6.20E-12	6.20E-12	SLPFRN(1,3)
	Sf-Rn	Bi-214	1.50E-11	1.50E-11	SLPFRN(1,4)
	Sf-Rn Radon K factors, (mrem/WLM):				
	Sf-Rn	Rn-222 Indoor	3.88E+02	3.88E+02	KFACTR(1,1)
	Sf-Rn	Rn-222 Outdoor	3.88E+02	3.88E+02	KFACTR(1,2)

*Base Case means Default.Lib w/o Associate Nuclide contributions.

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FUSRAP Five-Year Review Report for Operable Unit 1 (OU-1) and Operable Unit 8 (OU-8) Iowa Army Ammunition Plant

ONuclide (i)	Risk Slope and Environmental Transport Factors for the Ground Pathway								
	Slope (i) *	ETFG(i,t) At Time in Years (dimensionless)							
	t=	0.000E+00	1.000E+00	3.000E+00	1.000E+01	7.000E+01	1.000E+02	3.000E+02	1.000E+03
Ac-227	1.990E-10	2.277E-01	2.277E-01	2.277E-01	2.277E-01	2.277E-01	2.277E-01	2.277E-01	0.000E+00
At-218	2.740E-11	2.254E-01	2.254E-01	2.254E-01	2.254E-01	2.254E-01	2.254E-01	2.254E-01	0.000E+00
At-219	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Bi-210	2.770E-09	2.264E-01	2.264E-01	2.264E-01	2.264E-01	2.264E-01	2.264E-01	2.264E-01	0.000E+00
Bi-211	1.900E-07	2.264E-01	2.264E-01	2.264E-01	2.264E-01	2.264E-01	2.264E-01	2.264E-01	0.000E+00
Bi-214	7.340E-06	2.254E-01	2.254E-01	2.254E-01	2.254E-01	2.253E-01	2.253E-01	2.250E-01	0.000E+00
Bi-215	1.080E-06	2.264E-01	2.264E-01	2.264E-01	2.264E-01	2.264E-01	2.264E-01	2.264E-01	0.000E+00
Fr-223	1.350E-07	2.267E-01	2.267E-01	2.267E-01	2.267E-01	2.267E-01	2.267E-01	2.267E-01	0.000E+00
Hg-206	4.830E-07	2.268E-01	2.268E-01	2.268E-01	2.268E-01	2.268E-01	2.268E-01	2.268E-01	0.000E+00
Pa-231	1.270E-07	2.268E-01	2.268E-01	2.268E-01	2.268E-01	2.268E-01	2.268E-01	2.268E-01	0.000E+00
Pa-234	6.620E-06	2.259E-01	2.259E-01	2.259E-01	2.259E-01	2.259E-01	2.259E-01	2.258E-01	0.000E+00
Pa-234m	9.060E-08	2.256E-01	2.256E-01	2.256E-01	2.256E-01	2.256E-01	2.256E-01	2.255E-01	0.000E+00
Pb-210	1.480E-09	2.283E-01	2.283E-01	2.283E-01	2.283E-01	2.283E-01	2.283E-01	2.283E-01	0.000E+00
Pb-211	2.910E-07	2.259E-01	2.259E-01	2.259E-01	2.259E-01	2.259E-01	2.259E-01	2.258E-01	0.000E+00
Pb-214	9.940E-07	2.268E-01	2.268E-01	2.268E-01	2.268E-01	2.268E-01	2.268E-01	2.268E-01	0.000E+00
Po-210	4.510E-11	2.256E-01	2.256E-01	2.256E-01	2.256E-01	2.256E-01	2.256E-01	2.255E-01	0.000E+00
Po-211	3.760E-08	2.255E-01	2.255E-01	2.255E-01	2.255E-01	2.255E-01	2.255E-01	2.254E-01	0.000E+00
Po-214	3.850E-10	2.255E-01	2.255E-01	2.255E-01	2.255E-01	2.255E-01	2.255E-01	2.254E-01	0.000E+00
Po-215	7.480E-10	2.260E-01	2.260E-01	2.260E-01	2.260E-01	2.260E-01	2.260E-01	2.260E-01	0.000E+00
Po-218	6.840E-15	2.280E-01	2.280E-01	2.280E-01	2.280E-01	2.280E-01	2.280E-01	2.280E-01	0.000E+00
Ra-223	4.550E-07	2.270E-01	2.270E-01	2.270E-01	2.270E-01	2.270E-01	2.270E-01	2.269E-01	0.000E+00
Ra-226	2.500E-08	2.269E-01	2.269E-01	2.269E-01	2.269E-01	2.269E-01	2.269E-01	2.269E-01	0.000E+00
Rn-218	3.390E-09	2.255E-01	2.255E-01	2.255E-01	2.255E-01	2.255E-01	2.255E-01	2.254E-01	0.000E+00
Rn-219	2.350E-07	2.268E-01	2.268E-01	2.268E-01	2.268E-01	2.268E-01	2.268E-01	2.268E-01	0.000E+00
Rn-222	1.690E-09	2.259E-01	2.259E-01	2.259E-01	2.259E-01	2.259E-01	2.259E-01	2.258E-01	0.000E+00
Th-227	4.450E-07	2.270E-01	2.270E-01	2.270E-01	2.270E-01	2.270E-01	2.270E-01	2.269E-01	0.000E+00
Th-230	8.450E-10	2.278E-01	2.278E-01	2.278E-01	2.278E-01	2.278E-01	2.278E-01	2.278E-01	0.000E+00
Th-231	2.490E-08	2.283E-01	2.283E-01	2.283E-01	2.283E-01	2.283E-01	2.283E-01	2.283E-01	0.000E+00
Th-234	1.780E-08	2.280E-01	2.280E-01	2.280E-01	2.280E-01	2.280E-01	2.280E-01	2.280E-01	0.000E+00
Tl-206	6.110E-09	2.259E-01	2.259E-01	2.259E-01	2.259E-01	2.259E-01	2.259E-01	2.259E-01	0.000E+00
Tl-207	1.590E-08	2.259E-01	2.259E-01	2.259E-01	2.259E-01	2.259E-01	2.259E-01	2.258E-01	0.000E+00
Tl-210	1.340E-05	2.256E-01	2.256E-01	2.256E-01	2.256E-01	2.256E-01	2.256E-01	2.253E-01	0.000E+00
U-234	2.530E-10	2.282E-01	2.282E-01	2.282E-01	2.282E-01	2.282E-01	2.282E-01	2.282E-01	0.000E+00
U-235	5.510E-07	2.270E-01	2.270E-01	2.270E-01	2.270E-01	2.270E-01	2.270E-01	2.269E-01	0.000E+00
U-238	1.240E-10	2.268E-01	2.268E-01	2.268E-01	2.268E-01	2.268E-01	2.268E-01	2.268E-01	0.000E+00

* - Units are 1/yr per (pCi/g) at infinite depth and area. Multiplication by ETEG(i,t) converts to site conditions.

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Amount of Intake Quantities QINT(i,p,t) for Individual Radionuclides (i) and Pathways (p)
As pCi/yr at t= 0.000E+00 years

Radio- Nuclide	Water Independent Pathways (Inhalation w/o radon)					Water Dependent Pathways					Total Ingestion*
	Inhalation	Plant	Meat	Milk	Soil	Water	Fish	Plant	Meat	Milk	
Ac-227	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

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Pa-231	0.000E+00											
Pb-210	0.000E+00											
Ra-226	0.000E+00											
Th-230	0.000E+00											
U-234	4.033E-02	0.000E+00	0.000E+00	0.000E+00	4.166E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.166E+00
U-235	4.033E-02	0.000E+00	0.000E+00	0.000E+00	4.166E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.166E+00
U-238	4.033E-02	0.000E+00	0.000E+00	0.000E+00	4.166E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.166E+00

* Sum of all ingestion pathways, i.e. water independent plant, meat, milk, soil and water-dependent water, fish, plant, meat, milk pathways

0 Amount of Intake Quantities QINT9(irn,i,t) and QINT9W(irn,i,t) for Inhalation of Radon and its Decay Products as pCi/yr at t= 0.000E+00 years

Radon Pathway	Rn-222	Po-218	Pb-214	Bi-214	Rn-220	Po-216	Pb-212	Bi-212
Water-ind.	0.000E+00							
Water-dep.	0.000E+00							
Total	0.000E+00							

Water-ind. == Water-independent Water-dep. == Water-dependent

0 Excess Cancer Risks CNRS(i,p,t) for Individual Radionuclides (i) and Pathways (p) and Fraction of Total Risk at t= 0.000E+00 years

Radio-Nuclide	Ground		Inhalation		Plant		Meat		Milk		Soil	
	risk	fract.										
Ac-227	4.417E-10	0.0001	1.029E-11	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.259E-12	0.0000
Pa-231	1.686E-10	0.0000	1.799E-11	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	5.503E-12	0.0000
Pb-210	1.566E-15	0.0000	1.996E-15	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.303E-14	0.0000
Ra-226	1.804E-11	0.0000	1.089E-14	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.052E-14	0.0000
Th-230	5.205E-13	0.0000	3.716E-12	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.342E-12	0.0000
U-234	1.318E-09	0.0004	2.562E-08	0.0069	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	9.079E-09	0.0025
U-235	2.985E-06	0.8063	2.303E-08	0.0062	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	9.280E-09	0.0025
U-238	6.146E-07	0.1660	2.179E-08	0.0059	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.146E-08	0.0031
Total	3.601E-06	0.9729	7.047E-08	0.0190	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.983E-08	0.0081

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Excess Cancer Risks CNRS(i,p,t) for Individual Radionuclides (i) and Pathways (p) and Fraction of Total Risk at t= 0.000E+00 years

Water Dependent Pathways

Radio-Nuclide	Water		Fish		Plant		Meat		Milk		All Pathways**	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.

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Ac-227	0.000E+00	0.0000	4.552E-10	0.0001								
Pa-231	0.000E+00	0.0000	1.921E-10	0.0001								
Pb-210	0.000E+00	0.0000	2.659E-14	0.0000								
Ra-226	0.000E+00	0.0000	1.807E-11	0.0000								
Th-230	0.000E+00	0.0000	5.579E-12	0.0000								
U-234	0.000E+00	0.0000	3.601E-08	0.0097								
U-235	0.000E+00	0.0000	3.017E-06	0.8151								
U-238	0.000E+00	0.0000	6.479E-07	0.1750								
Total	0.000E+00	0.0000	3.702E-06	1.0000								

** Sum of water independent ground, inhalation, plant, meat, milk, soil and water dependent water, fish, plant, meat, milk pathways

Excess Cancer Risks CNRS9(irn,i,t) and CNRS9W(irn,i,t) for Inhalation of Radon and its Decay Products at t= 0.000E+00 years Radionuclides

Radon Pathway	Rn-222	Po-218	Pb-214	Bi-214	Rn-220	Po-216	Pb-212	Bi-212
Water-ind.	0.000E+00							
Water-dep.	0.000E+00							
Total	0.000E+00							

Water-ind. == Water-independent Water-dep. == Water-dependent

Total Excess Cancer Risk CNRS(i,p,t)*** for Initially Existent Radionuclides (i) and Pathways (p) and Fraction of Total Risk at t= 0.000E+00 years

Water Independent Pathways (Inhalation excludes radon)

Radio-Nuclide	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
	risk	fract.												
U-234	1.337E-09	0.0004	2.562E-08	0.0069	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	9.081E-09	0.0025
U-235	2.985E-06	0.8065	2.306E-08	0.0062	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	9.288E-09	0.0025
U-238	6.146E-07	0.1660	2.180E-08	0.0059	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.146E-08	0.0031
Total	3.601E-06	0.9729	7.047E-08	0.0190	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.983E-08	0.0081

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Total Excess Cancer Risk CNRS(i,p,t)*** for Initially Existent Radionuclides (i) and Pathways (p) and Fraction of Total Risk at t= 0.000E+00 years

Water Dependent Pathways

Radio-Nuclide	Water		Fish		Radon		Plant		Meat		Milk		All pathways	
	risk	fract.	risk	fract.										
U-234	0.000E+00	0.0000	3.604E-08	0.0097										
U-235	0.000E+00	0.0000	3.018E-06	0.8152										

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U-238	0.000E+00	0.0000	6.479E-07	0.1750										
Total	0.000E+00	0.0000	3.702E-06	1.0000										

***CNRSI(i,p,t) includes contribution from decay daughter radionuclides
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Amount of Intake Quantities QINT(i,p,t) for Individual Radionuclides (i) and Pathways (p)
 As pCi/yr at t= 1.000E+00 years

Radio- Nuclide	Water Independent Pathways (Inhalation w/o radon)					Water Dependent Pathways					Total Ingestion*
	Inhalation	Plant	Meat	Milk	Soil	Water	Fish	Plant	Meat	Milk	
Ac-227	1.329E-08	0.000E+00	0.000E+00	0.000E+00	1.373E-06	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.373E-06
Pa-231	8.470E-07	0.000E+00	0.000E+00	0.000E+00	8.751E-05	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	8.751E-05
Pb-210	8.261E-13	0.000E+00	0.000E+00	0.000E+00	8.534E-11	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	8.534E-11
Ra-226	7.998E-11	0.000E+00	0.000E+00	0.000E+00	8.263E-09	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	8.263E-09
Th-230	3.695E-07	0.000E+00	0.000E+00	0.000E+00	3.817E-05	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.817E-05
U-234	4.003E-02	0.000E+00	0.000E+00	0.000E+00	4.136E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.136E+00
U-235	4.003E-02	0.000E+00	0.000E+00	0.000E+00	4.136E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.136E+00
U-238	4.003E-02	0.000E+00	0.000E+00	0.000E+00	4.136E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.136E+00

* Sum of all ingestion pathways, i.e. water independent plant, meat, milk, soil and water-dependent water, fish, plant, meat, milk pathways

Amount of Intake Quantities QINT9(irn,i,t) and QINT9W(irn,i,t) for Inhalation of Radon and its Decay Products as pCi/yr at t= 1.000E+00 years

Radon Pathway	Rn-222	Po-218	Pb-214	Bi-214	Rn-220	Po-216	Pb-212	Bi-212
Water-ind.	0.000E+00							
Water-dep.	0.000E+00							
Total	0.000E+00							

Water-ind. == Water-independent Water-dep. == Water-dependent

Excess Cancer Risks CNRS(i,p,t) for Individual Radionuclides (i) and Pathways (p) and Fraction of Total Risk at t= 1.000E+00 years

Radio- Nuclide	Water Independent Pathways (Inhalation excludes radon)											
	Ground		Inhalation		Plant		Meat		Milk		Soil	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Ac-227	4.896E-10	0.0001	1.141E-11	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.613E-12	0.0000
Pa-231	1.811E-10	0.0000	1.933E-11	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	5.913E-12	0.0000
Pb-210	1.816E-15	0.0000	2.315E-15	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.670E-14	0.0000
Ra-226	2.023E-11	0.0000	1.221E-14	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.301E-14	0.0000
Th-230	5.608E-13	0.0000	4.003E-12	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.446E-12	0.0000
U-234	1.309E-09	0.0004	2.543E-08	0.0069	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	9.013E-09	0.0025

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U-235	2.963E-06	0.8063	2.286E-08	0.0062	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	9.211E-09	0.0025
U-238	6.101E-07	0.1660	2.163E-08	0.0059	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.138E-08	0.0031
Total	3.575E-06	0.9729	6.996E-08	0.0190	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.961E-08	0.0081

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Excess Cancer Risks CNRS(i,p,t) for Individual Radionuclides (i) and Pathways (p) and Fraction of Total Risk at t= 1.000E+00 years

Water Dependent Pathways

Radio-Nuclide	Water		Fish		Plant		Meat		Milk		All Pathways**	
	risk	fract.	risk	fract.								
Ac-227	0.000E+00	0.0000	5.047E-10	0.0001								
Pa-231	0.000E+00	0.0000	2.064E-10	0.0001								
Pb-210	0.000E+00	0.0000	3.083E-14	0.0000								
Ra-226	0.000E+00	0.0000	2.026E-11	0.0000								
Th-230	0.000E+00	0.0000	6.010E-12	0.0000								
U-234	0.000E+00	0.0000	3.575E-08	0.0097								
U-235	0.000E+00	0.0000	2.995E-06	0.8151								
U-238	0.000E+00	0.0000	6.431E-07	0.1750								
Total	0.000E+00	0.0000	3.674E-06	1.0000								

** Sum of water independent ground, inhalation, plant, meat, milk, soil and water dependent water, fish, plant, meat, milk pathways

Excess Cancer Risks CNRS9(irn,i,t) and CNRS9W(irn,i,t) for Inhalation of Radon and its Decay Products at t= 1.000E+00 years Radionuclides

Radon Pathway	Rn-222	Po-218	Pb-214	Bi-214	Rn-220	Po-216	Pb-212	Bi-212
Water-ind.	0.000E+00							
Water-dep.	0.000E+00							
Total	0.000E+00							

Water-ind. == Water-independent Water-dep. == Water-dependent

Total Excess Cancer Risk CNRS(i,p,t)*** for Initially Existent Radionuclides (i) and Pathways (p) and Fraction of Total Risk at t= 1.000E+00 years

Water Independent Pathways (Inhalation excludes radon)

Radio-Nuclide	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
U-234	1.329E-09	0.0004	2.543E-08	0.0069	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	9.014E-09	0.0025
U-235	2.963E-06	0.8065	2.289E-08	0.0062	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	9.221E-09	0.0025
U-238	6.101E-07	0.1660	2.164E-08	0.0059	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.138E-08	0.0031

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Total 3.575E-06 0.9729 6.996E-08 0.0190 0.000E+00 0.0000 0.000E+00 0.0000 0.000E+00 0.0000 0.000E+00 0.0000 2.961E-08 0.0081
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Total Excess Cancer Risk CNRS(i,p,t)*** for Initially Existent Radionuclides (i) and Pathways (p) and Fraction of Total Risk at t= 1.000E+00 years

Water Dependent Pathways

Radio-Nuclide	Water		Fish		Radon		Plant		Meat		Milk		All pathways	
	risk	fract.	risk	fract.										
U-234	0.000E+00	0.0000	3.577E-08	0.0097										
U-235	0.000E+00	0.0000	2.996E-06	0.8152										
U-238	0.000E+00	0.0000	6.431E-07	0.1750										
Total	0.000E+00	0.0000	3.674E-06	1.0000										

***CNRSI(i,p,t) includes contribution from decay daughter radionuclides
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 Intrisk : IAAAP OU8 DCLG Calcs for DU_Site Worker
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Amount of Intake Quantities QINT(i,p,t) for Individual Radionuclides (i) and Pathways (p) As pCi/yr at t= 3.000E+00 years

Radio-Nuclide	Water Independent Pathways (Inhalation w/o radon)					Water Dependent Pathways					Total Ingestion*
	Inhalation	Plant	Meat	Milk	Soil	Water	Fish	Plant	Meat	Milk	
Ac-227	1.146E-07	0.000E+00	0.000E+00	0.000E+00	1.184E-05	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.184E-05
Pa-231	2.504E-06	0.000E+00	0.000E+00	0.000E+00	2.587E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.587E-04
Pb-210	2.178E-11	0.000E+00	0.000E+00	0.000E+00	2.250E-09	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.250E-09
Ra-226	7.136E-10	0.000E+00	0.000E+00	0.000E+00	7.372E-08	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	7.372E-08
Th-230	1.100E-06	0.000E+00	0.000E+00	0.000E+00	1.137E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.137E-04
U-234	3.945E-02	0.000E+00	0.000E+00	0.000E+00	4.075E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.075E+00
U-235	3.945E-02	0.000E+00	0.000E+00	0.000E+00	4.075E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.075E+00
U-238	3.945E-02	0.000E+00	0.000E+00	0.000E+00	4.075E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.075E+00

* Sum of all ingestion pathways, i.e. water independent plant, meat, milk, soil and water-dependent water, fish, plant, meat, milk pathways

Amount of Intake Quantities QINT9(irn,i,t) and QINT9W(irn,i,t) for Inhalation of Radon and its Decay Products as pCi/yr at t= 3.000E+00 years

Radon Pathway	Rn-222	Po-218	Pb-214	Bi-214	Rn-220	Po-216	Pb-212	Bi-212
Water-ind.	0.000E+00							
Water-dep.	0.000E+00							

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Total 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00

Water-ind. == Water-independent Water-dep. == Water-dependent

0

Excess Cancer Risks CNRS(i,p,t) for Individual Radionuclides (i) and Pathways (p) and Fraction of Total Risk at t= 3.000E+00 years

0

Water Independent Pathways (Inhalation excludes radon)

0

Radio-Nuclide	Ground		Inhalation		Plant		Meat		Milk		Soil	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Ac-227	5.933E-10	0.0002	1.382E-11	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	4.378E-12	0.0000
Pa-231	2.057E-10	0.0001	2.195E-11	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	6.715E-12	0.0000
Pb-210	2.399E-15	0.0000	3.058E-15	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.528E-14	0.0000
Ra-226	2.507E-11	0.0000	1.513E-14	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.852E-14	0.0000
Th-230	6.404E-13	0.0000	4.572E-12	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.651E-12	0.0000
U-234	1.290E-09	0.0004	2.505E-08	0.0069	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	8.881E-09	0.0025
U-235	2.919E-06	0.8063	2.253E-08	0.0062	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	9.077E-09	0.0025
U-238	6.012E-07	0.1660	2.132E-08	0.0059	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.121E-08	0.0031
Total	3.523E-06	0.9729	6.894E-08	0.0190	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.918E-08	0.0081

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Excess Cancer Risks CNRS(i,p,t) for Individual Radionuclides (i) and Pathways (p) and Fraction of Total Risk at t= 3.000E+00 years

Water Dependent Pathways

Radio-Nuclide	Water		Fish		Plant		Meat		Milk		All Pathways**	
	risk	fract.	risk	fract.								
Ac-227	0.000E+00	0.0000	6.115E-10	0.0002								
Pa-231	0.000E+00	0.0000	2.344E-10	0.0001								
Pb-210	0.000E+00	0.0000	4.073E-14	0.0000								
Ra-226	0.000E+00	0.0000	2.512E-11	0.0000								
Th-230	0.000E+00	0.0000	6.863E-12	0.0000								
U-234	0.000E+00	0.0000	3.522E-08	0.0097								
U-235	0.000E+00	0.0000	2.951E-06	0.8150								
U-238	0.000E+00	0.0000	6.337E-07	0.1750								
Total	0.000E+00	0.0000	3.621E-06	1.0000								

** Sum of water independent ground, inhalation, plant, meat, milk, soil and water dependent water, fish, plant, meat, milk pathways

0

Excess Cancer Risks CNRS9(irn,i,t) and CNRS9W(irn,i,t) for Inhalation of Radon and its Decay Products at t= 3.000E+00 years

0

Radionuclides

Radon Pathway	Rn-222	Po-218	Pb-214	Bi-214	Rn-220	Po-216	Pb-212	Bi-212
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FUSRAP Five-Year Review Report for Operable Unit 1 (OU-1) and Operable Unit 8 (OU-8) Iowa Army Ammunition Plant

Water-ind.	0.000E+00												
Water-dep.	0.000E+00												
Total	0.000E+00												

Water-ind. == Water-independent Water-dep. == Water-dependent

0
0
0

Total Excess Cancer Risk CNRS(i,p,t)*** for Initially Existent Radionuclides (i) and Pathways (p)
and Fraction of Total Risk at t= 3.000E+00 years
Water Independent Pathways (Inhalation excludes radon)

Radio- Nuclide	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
	risk	fract.												
U-234	1.315E-09	0.0004	2.506E-08	0.0069	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	8.882E-09	0.0025
U-235	2.920E-06	0.8065	2.256E-08	0.0062	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	9.088E-09	0.0025
U-238	6.012E-07	0.1660	2.132E-08	0.0059	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.121E-08	0.0031
Total	3.523E-06	0.9729	6.894E-08	0.0190	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.918E-08	0.0081

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Total Excess Cancer Risk CNRS(i,p,t)*** for Initially Existent Radionuclides (i) and Pathways (p)
and Fraction of Total Risk at t= 3.000E+00 years

Water Dependent Pathways

Radio- Nuclide	Water		Fish		Radon		Plant		Meat		Milk		All pathways	
	risk	fract.												
U-234	0.000E+00	0.0000	3.526E-08	0.0097										
U-235	0.000E+00	0.0000	2.952E-06	0.8153										
U-238	0.000E+00	0.0000	6.337E-07	0.1750										
Total	0.000E+00	0.0000	3.621E-06	1.0000										

***CNRSI(i,p,t) includes contribution from decay daughter radionuclides
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Amount of Intake Quantities QINT(i,p,t) for Individual Radionuclides (i) and Pathways (p)
As pCi/yr at t= 1.000E+01 years

Radio- Nuclide	Water Independent Pathways (Inhalation w/o radon)					Water Dependent Pathways					Total Ingestion*	
	Inhalation	Plant	Meat	Milk	Soil	Water	Fish	Plant	Meat	Milk		
Ac-227	1.099E-06	0.000E+00	0.000E+00	0.000E+00	1.136E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.136E-04
Pa-231	7.925E-06	0.000E+00	0.000E+00	0.000E+00	8.188E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	8.188E-04
Pb-210	7.428E-10	0.000E+00	0.000E+00	0.000E+00	7.674E-08	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	7.674E-08
Ra-226	7.691E-09	0.000E+00	0.000E+00	0.000E+00	7.945E-07	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	7.945E-07

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Th-230	3.575E-06	0.000E+00	0.000E+00	0.000E+00	3.693E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.693E-04
U-234	3.746E-02	0.000E+00	0.000E+00	0.000E+00	3.870E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.870E+00
U-235	3.746E-02	0.000E+00	0.000E+00	0.000E+00	3.870E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.870E+00
U-238	3.746E-02	0.000E+00	0.000E+00	0.000E+00	3.870E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.870E+00

* Sum of all ingestion pathways, i.e. water independent plant, meat, milk, soil and water-dependent water, fish, plant, meat, milk pathways

0
 Amount of Intake Quantities QINT9(irn,i,t) and QINT9W(irn,i,t) for Inhalation of Radon and its Decay Products as pCi/yr at t= 1.000E+01 years
 Radionuclides

Radon Pathway	Rn-222	Po-218	Pb-214	Bi-214	Rn-220	Po-216	Pb-212	Bi-212
Water-ind.	0.000E+00							
Water-dep.	0.000E+00							
Total	0.000E+00							

Water-ind. == Water-independent Water-dep. == Water-dependent

0
 Excess Cancer Risks CNRS(i,p,t) for Individual Radionuclides (i) and Pathways (p) and Fraction of Total Risk at t= 1.000E+01 years
 Water Independent Pathways (Inhalation excludes radon)

Radio-Nuclide	Ground		Inhalation		Plant		Meat		Milk		Soil	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Ac-227	1.017E-09	0.0003	2.369E-11	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	7.505E-12	0.0000
Pa-231	2.858E-10	0.0001	3.049E-11	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	9.329E-12	0.0000
Pb-210	5.462E-15	0.0000	6.962E-15	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	8.032E-14	0.0000
Ra-226	4.673E-11	0.0000	2.820E-14	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	5.316E-14	0.0000
Th-230	9.100E-13	0.0000	6.496E-12	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.346E-12	0.0000
U-234	1.225E-09	0.0004	2.379E-08	0.0069	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	8.434E-09	0.0025
U-235	2.772E-06	0.8061	2.139E-08	0.0062	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	8.620E-09	0.0025
U-238	5.709E-07	0.1660	2.024E-08	0.0059	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.065E-08	0.0031
Total	3.346E-06	0.9729	6.549E-08	0.0190	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.772E-08	0.0081

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Excess Cancer Risks CNRS(i,p,t) for Individual Radionuclides (i) and Pathways (p) and Fraction of Total Risk at t= 1.000E+01 years

Water Dependent Pathways

Radio-Nuclide	Water		Fish		Plant		Meat		Milk		All Pathways**	
	risk	fract.	risk	fract.								
Ac-227	0.000E+00	0.0000	1.048E-09	0.0003								
Pa-231	0.000E+00	0.0000	3.256E-10	0.0001								
Pb-210	0.000E+00	0.0000	9.274E-14	0.0000								

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Ra-226	0.000E+00	0.0000	4.681E-11	0.0000								
Th-230	0.000E+00	0.0000	9.752E-12	0.0000								
U-234	0.000E+00	0.0000	3.345E-08	0.0097								
U-235	0.000E+00	0.0000	2.803E-06	0.8149								
U-238	0.000E+00	0.0000	6.018E-07	0.1750								
Total	0.000E+00	0.0000	3.439E-06	1.0000								

** Sum of water independent ground, inhalation, plant, meat, milk, soil and water dependent water, fish, plant, meat, milk pathways

Excess Cancer Risks CNRS9(irn,i,t) and CNRS9W(irn,i,t) for Inhalation of Radon and its Decay Products at t= 1.000E+01 years Radionuclides

Radon Pathway	Rn-222	Po-218	Pb-214	Bi-214	Rn-220	Po-216	Pb-212	Bi-212
Water-ind.	0.000E+00							
Water-dep.	0.000E+00							
Total	0.000E+00							

Water-ind. == Water-independent Water-dep. == Water-dependent

Total Excess Cancer Risk CNRS(i,p,t)*** for Initially Existent Radionuclides (i) and Pathways (p) and Fraction of Total Risk at t= 1.000E+01 years

Water Independent Pathways (Inhalation excludes radon)

Radio-Nuclide	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
	risk	fract.												
U-234	1.272E-09	0.0004	2.380E-08	0.0069	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	8.436E-09	0.0025
U-235	2.774E-06	0.8065	2.145E-08	0.0062	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	8.637E-09	0.0025
U-238	5.709E-07	0.1660	2.025E-08	0.0059	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.065E-08	0.0031
Total	3.346E-06	0.9729	6.549E-08	0.0190	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.772E-08	0.0081

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Total Excess Cancer Risk CNRS(i,p,t)*** for Initially Existent Radionuclides (i) and Pathways (p) and Fraction of Total Risk at t= 1.000E+01 years

Water Dependent Pathways

Radio-Nuclide	Water		Fish		Radon		Plant		Meat		Milk		All pathways	
	risk	fract.												
U-234	0.000E+00	0.0000	3.351E-08	0.0097										
U-235	0.000E+00	0.0000	2.804E-06	0.8153										
U-238	0.000E+00	0.0000	6.018E-07	0.1750										
Total	0.000E+00	0.0000	3.439E-06	1.0000										

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***CNRSI(i,p,t) includes contribution from decay daughter radionuclides
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Amount of Intake Quantities QINT(i,p,t) for Individual Radionuclides (i) and Pathways (p)
 As pCi/yr at t= 7.000E+01 years

Radio- Nuclide	Water Independent Pathways (Inhalation w/o radon)					Water Dependent Pathways					Total Ingestion*
	Inhalation	Plant	Meat	Milk	Soil	Water	Fish	Plant	Meat	Milk	
Ac-227	1.810E-05	0.000E+00	0.000E+00	0.000E+00	1.870E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.870E-03
Pa-231	3.562E-05	0.000E+00	0.000E+00	0.000E+00	3.680E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.680E-03
Pb-210	1.341E-07	0.000E+00	0.000E+00	0.000E+00	1.385E-05	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.385E-05
Ra-226	2.917E-07	0.000E+00	0.000E+00	0.000E+00	3.014E-05	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.014E-05
Th-230	2.026E-05	0.000E+00	0.000E+00	0.000E+00	2.094E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.094E-03
U-234	2.407E-02	0.000E+00	0.000E+00	0.000E+00	2.486E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.486E+00
U-235	2.407E-02	0.000E+00	0.000E+00	0.000E+00	2.486E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.486E+00
U-238	2.407E-02	0.000E+00	0.000E+00	0.000E+00	2.486E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.486E+00

* Sum of all ingestion pathways, i.e. water independent plant, meat, milk, soil
 and water-dependent water, fish, plant, meat, milk pathways

Amount of Intake Quantities QINT9(irn,i,t) and QINT9W(irn,i,t) for Inhalation of
 Radon and its Decay Products as pCi/yr at t= 7.000E+01 years
 Radionuclides

Radon Pathway	Rn-222	Po-218	Pb-214	Bi-214	Rn-220	Po-216	Pb-212	Bi-212
Water-ind.	0.000E+00							
Water-dep.	0.000E+00							
Total	0.000E+00							

Water-ind. == Water-independent Water-dep. == Water-dependent

Excess Cancer Risks CNRS(i,p,t) for Individual Radionuclides (i) and Pathways (p)
 and Fraction of Total Risk at t= 7.000E+01 years

Water Independent Pathways (Inhalation excludes radon)

Radio- Nuclide	Ground		Inhalation		Plant		Meat		Milk		Soil	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Ac-227	4.706E-09	0.0021	1.096E-10	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.473E-11	0.0000
Pa-231	6.812E-10	0.0003	7.269E-11	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.224E-11	0.0000
Pb-210	1.185E-13	0.0000	1.511E-13	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.743E-12	0.0000
Ra-226	4.511E-10	0.0002	2.722E-13	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	5.131E-13	0.0000
Th-230	2.728E-12	0.0000	1.947E-11	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	7.033E-12	0.0000
U-234	7.867E-10	0.0004	1.528E-08	0.0069	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	5.418E-09	0.0024
U-235	1.781E-06	0.8043	1.374E-08	0.0062	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	5.537E-09	0.0025
U-238	3.667E-07	0.1656	1.301E-08	0.0059	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	6.840E-09	0.0031

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Total 2.154E-06 0.9729 4.223E-08 0.0191 0.000E+00 0.0000 0.000E+00 0.0000 0.000E+00 0.0000 1.786E-08 0.0081
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Excess Cancer Risks CNRS(i,p,t) for Individual Radionuclides (i) and Pathways (p)
 and Fraction of Total Risk at t= 7.000E+01 years

Water Dependent Pathways

Radio- Nuclide	Water		Fish		Plant		Meat		Milk		All Pathways**	
	risk	fract.	risk	fract.								
Ac-227	0.000E+00	0.0000	4.850E-09	0.0022								
Pa-231	0.000E+00	0.0000	7.762E-10	0.0004								
Pb-210	0.000E+00	0.0000	2.012E-12	0.0000								
Ra-226	0.000E+00	0.0000	4.518E-10	0.0002								
Th-230	0.000E+00	0.0000	2.924E-11	0.0000								
U-234	0.000E+00	0.0000	2.149E-08	0.0097								
U-235	0.000E+00	0.0000	1.800E-06	0.8130								
U-238	0.000E+00	0.0000	3.866E-07	0.1746								
Total	0.000E+00	0.0000	2.215E-06	1.0000								

** Sum of water independent ground, inhalation, plant, meat, milk, soil
 and water dependent water, fish, plant, meat, milk pathways

0

Excess Cancer Risks CNRS9(irn,i,t) and CNRS9W(irn,i,t) for Inhalation of
 Radon and its Decay Products at t= 7.000E+01 years
 Radionuclides

0

Radon Pathway	Rn-222	Po-218	Pb-214	Bi-214	Rn-220	Po-216	Pb-212	Bi-212
Water-ind.	0.000E+00							
Water-dep.	0.000E+00							
Total	0.000E+00							

Water-ind. == Water-independent Water-dep. == Water-dependent

0

Total Excess Cancer Risk CNRS(i,p,t)*** for Initially Existent Radionuclides (i) and Pathways (p)
 and Fraction of Total Risk at t= 7.000E+01 years
 Water Independent Pathways (Inhalation excludes radon)

0

Radio- Nuclide	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
U-234	1.240E-09	0.0006	1.530E-08	0.0069	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	5.426E-09	0.0025
U-235	1.786E-06	0.8067	1.392E-08	0.0063	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	5.594E-09	0.0025
U-238	3.667E-07	0.1656	1.301E-08	0.0059	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	6.841E-09	0.0031
Total	2.154E-06	0.9729	4.223E-08	0.0191	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.786E-08	0.0081

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Total Excess Cancer Risk CNRS(i,p,t)*** for Initially Existent Radionuclides (i) and Pathways (p)
 and Fraction of Total Risk at t= 7.000E+01 years

Water Dependent Pathways

Radio- Nuclide	Water		Fish		Radon		Plant		Meat		Milk		All pathways	
	risk	fract.												
U-234	0.000E+00	0.0000	2.197E-08	0.0099										
U-235	0.000E+00	0.0000	1.806E-06	0.8155										
U-238	0.000E+00	0.0000	3.866E-07	0.1746										
Total	0.000E+00	0.0000	2.215E-06	1.0000										

***CNRSI(i,p,t) includes contribution from decay daughter radionuclides
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 Intrisk : IAAAP OU8 DCLG Calcs for DU Site Worker
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Amount of Intake Quantities QINT(i,p,t) for Individual Radionuclides (i) and Pathways (p)
 As pCi/yr at t= 1.000E+02 years

Radio- Nuclide	Water Independent Pathways (Inhalation w/o radon)					Water Dependent Pathways					Total Ingestion*
	Inhalation	Plant	Meat	Milk	Soil	Water	Fish	Plant	Meat	Milk	
Ac-227	2.335E-05	0.000E+00	0.000E+00	0.000E+00	2.412E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.412E-03
Pa-231	4.077E-05	0.000E+00	0.000E+00	0.000E+00	4.212E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.212E-03
Pb-210	2.942E-07	0.000E+00	0.000E+00	0.000E+00	3.039E-05	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.039E-05
Ra-226	5.257E-07	0.000E+00	0.000E+00	0.000E+00	5.431E-05	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.431E-05
Th-230	2.621E-05	0.000E+00	0.000E+00	0.000E+00	2.708E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.708E-03
U-234	1.929E-02	0.000E+00	0.000E+00	0.000E+00	1.993E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.993E+00
U-235	1.929E-02	0.000E+00	0.000E+00	0.000E+00	1.993E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.993E+00
U-238	1.929E-02	0.000E+00	0.000E+00	0.000E+00	1.993E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.993E+00

* Sum of all ingestion pathways, i.e. water independent plant, meat, milk, soil
 and water-dependent water, fish, plant, meat, milk pathways

Amount of Intake Quantities QINT9(irn,i,t) and QINT9W(irn,i,t) for Inhalation of
 Radon and its Decay Products as pCi/yr at t= 1.000E+02 years

Radon Pathway	Rn-222	Po-218	Pb-214	Bi-214	Rn-220	Po-216	Pb-212	Bi-212
Water-ind.	0.000E+00							
Water-dep.	0.000E+00							
Total	0.000E+00							

Water-ind. == Water-independent Water-dep. == Water-dependent

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0

Excess Cancer Risks CNRS(i,p,t) for Individual Radionuclides (i) and Pathways (p)
and Fraction of Total Risk at t= 1.000E+02 years

0

Water Independent Pathways (Inhalation excludes radon)

0

Radio- Nuclide	Ground		Inhalation		Plant		Meat		Milk		Soil	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Ac-227	5.639E-09	0.0032	1.314E-10	0.0001	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	4.161E-11	0.0000
Pa-231	7.452E-10	0.0004	7.952E-11	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.433E-11	0.0000
Pb-210	2.269E-13	0.0000	2.892E-13	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.337E-12	0.0000
Ra-226	7.397E-10	0.0004	4.464E-13	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	8.415E-13	0.0000
Th-230	3.376E-12	0.0000	2.410E-11	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	8.702E-12	0.0000
U-234	6.305E-10	0.0004	1.225E-08	0.0069	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	4.342E-09	0.0024
U-235	1.427E-06	0.8031	1.101E-08	0.0062	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	4.438E-09	0.0025
U-238	2.939E-07	0.1654	1.042E-08	0.0059	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	5.482E-09	0.0031
Total	1.729E-06	0.9728	3.392E-08	0.0191	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.434E-08	0.0081

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Excess Cancer Risks CNRS(i,p,t) for Individual Radionuclides (i) and Pathways (p)
and Fraction of Total Risk at t= 1.000E+02 years

Water Dependent Pathways

Radio- Nuclide	Water		Fish		Plant		Meat		Milk		All Pathways**	
	risk	fract.	risk	fract.								
Ac-227	0.000E+00	0.0000	5.812E-09	0.0033								
Pa-231	0.000E+00	0.0000	8.491E-10	0.0005								
Pb-210	0.000E+00	0.0000	3.853E-12	0.0000								
Ra-226	0.000E+00	0.0000	7.410E-10	0.0004								
Th-230	0.000E+00	0.0000	3.617E-11	0.0000								
U-234	0.000E+00	0.0000	1.722E-08	0.0097								
U-235	0.000E+00	0.0000	1.443E-06	0.8118								
U-238	0.000E+00	0.0000	3.098E-07	0.1743								
Total	0.000E+00	0.0000	1.777E-06	1.0000								

** Sum of water independent ground, inhalation, plant, meat, milk, soil
and water dependent water, fish, plant, meat, milk pathways

0

Excess Cancer Risks CNRS9(irn,i,t) and CNRS9W(irn,i,t) for Inhalation of
Radon and its Decay Products at t= 1.000E+02 years
Radionuclides

0

Radon Pathway	Rn-222	Po-218	Pb-214	Bi-214	Rn-220	Po-216	Pb-212	Bi-212
Water-ind.	0.000E+00							
Water-dep.	0.000E+00							

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Total 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00

Water-ind. == Water-independent Water-dep. == Water-dependent

0

Total Excess Cancer Risk CNRS(i,p,t)*** for Initially Existent Radionuclides (i) and Pathways (p)
and Fraction of Total Risk at t= 1.000E+02 years

0

0

Water Independent Pathways (Inhalation excludes radon)

Radio- Nuclide	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
	risk	fract.												
U-234	1.374E-09	0.0008	1.227E-08	0.0069	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	4.354E-09	0.0024
U-235	1.434E-06	0.8067	1.122E-08	0.0063	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	4.504E-09	0.0025
U-238	2.939E-07	0.1654	1.043E-08	0.0059	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	5.484E-09	0.0031
Total	1.729E-06	0.9728	3.392E-08	0.0191	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.434E-08	0.0081

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Total Excess Cancer Risk CNRS(i,p,t)*** for Initially Existent Radionuclides (i) and Pathways (p)
and Fraction of Total Risk at t= 1.000E+02 years

Water Dependent Pathways

Radio- Nuclide	Water		Fish		Radon		Plant		Meat		Milk		All pathways	
	risk	fract.												
U-234	0.000E+00	0.0000	1.800E-08	0.0101										
U-235	0.000E+00	0.0000	1.450E-06	0.8156										
U-238	0.000E+00	0.0000	3.099E-07	0.1743										
Total	0.000E+00	0.0000	1.777E-06	1.0000										

***CNRSI(i,p,t) includes contribution from decay daughter radionuclides

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Intrisk : IAAAP OU8 DCLG Calcs for DU_Site Worker

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Amount of Intake Quantities QINT(i,p,t) for Individual Radionuclides (i) and Pathways (p)
As pCi/yr at t= 3.000E+02 years

Radio- Nuclide	Water Independent Pathways (Inhalation w/o radon)					Water Dependent Pathways					Total Ingestion*
	Inhalation	Plant	Meat	Milk	Soil	Water	Fish	Plant	Meat	Milk	
Ac-227	1.916E-05	0.000E+00	0.000E+00	0.000E+00	1.979E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.979E-03
Pa-231	2.792E-05	0.000E+00	0.000E+00	0.000E+00	2.884E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.884E-03
Pb-210	1.774E-06	0.000E+00	0.000E+00	0.000E+00	1.832E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.832E-04
Ra-226	2.195E-06	0.000E+00	0.000E+00	0.000E+00	2.268E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.268E-04
Th-230	4.464E-05	0.000E+00	0.000E+00	0.000E+00	4.612E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.612E-03
U-234	4.412E-03	0.000E+00	0.000E+00	0.000E+00	4.558E-01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.558E-01
U-235	4.412E-03	0.000E+00	0.000E+00	0.000E+00	4.558E-01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.558E-01

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U-238 4.412E-03 0.000E+00 0.000E+00 0.000E+00 4.558E-01 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 4.558E-01

* Sum of all ingestion pathways, i.e. water independent plant, meat, milk, soil and water-dependent water, fish, plant, meat, milk pathways

0
 Amount of Intake Quantities QINT9(irn,i,t) and QINT9W(irn,i,t) for Inhalation of Radon and its Decay Products as pCi/yr at t= 3.000E+02 years
 0 Radionuclides

Radon Pathway	Rn-222	Po-218	Pb-214	Bi-214	Rn-220	Po-216	Pb-212	Bi-212
Water-ind.	0.000E+00							
Water-dep.	0.000E+00							
Total	0.000E+00							

Water-ind. == Water-independent Water-dep. == Water-dependent

0
 Excess Cancer Risks CNRS(i,p,t) for Individual Radionuclides (i) and Pathways (p) and Fraction of Total Risk at t= 3.000E+02 years
 0 Water Independent Pathways (Inhalation excludes radon)

Radio-Nuclide	Ground		Inhalation		Plant		Meat		Milk		Soil	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Ac-227	4.178E-09	0.0101	9.735E-11	0.0002	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.084E-11	0.0001
Pa-231	4.735E-10	0.0011	5.053E-11	0.0001	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.546E-11	0.0000
Pb-210	1.121E-12	0.0000	1.429E-12	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.648E-11	0.0000
Ra-226	2.660E-09	0.0064	1.607E-12	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.030E-12	0.0000
Th-230	5.382E-12	0.0000	3.842E-11	0.0001	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.388E-11	0.0000
U-234	1.442E-10	0.0003	2.802E-09	0.0068	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	9.933E-10	0.0024
U-235	3.265E-07	0.7917	2.519E-09	0.0061	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.015E-09	0.0025
U-238	6.722E-08	0.1630	2.384E-09	0.0058	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.254E-09	0.0030
Total	4.012E-07	0.9728	7.895E-09	0.0191	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.342E-09	0.0081

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Excess Cancer Risks CNRS(i,p,t) for Individual Radionuclides (i) and Pathways (p) and Fraction of Total Risk at t= 3.000E+02 years

Water Dependent Pathways

Radio-Nuclide	Water		Fish		Plant		Meat		Milk		All Pathways**	
	risk	fract.	risk	fract.								
Ac-227	0.000E+00	0.0000	4.307E-09	0.0104								
Pa-231	0.000E+00	0.0000	5.395E-10	0.0013								
Pb-210	0.000E+00	0.0000	1.903E-11	0.0000								
Ra-226	0.000E+00	0.0000	2.665E-09	0.0065								
Th-230	0.000E+00	0.0000	5.768E-11	0.0001								
U-234	0.000E+00	0.0000	3.940E-09	0.0096								

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U-235	0.000E+00	0.0000	3.301E-07	0.8003								
U-238	0.000E+00	0.0000	7.085E-08	0.1718								
Total	0.000E+00	0.0000	4.124E-07	1.0000								

** Sum of water independent ground, inhalation, plant, meat, milk, soil and water dependent water, fish, plant, meat, milk pathways

0
 Excess Cancer Risks CNRS9(irn,i,t) and CNRS9W(irn,i,t) for Inhalation of Radon and its Decay Products at t= 3.000E+02 years
 0 Radionuclides

Radon Pathway	Rn-222	Po-218	Pb-214	Bi-214	Rn-220	Po-216	Pb-212	Bi-212
Water-ind.	0.000E+00							
Water-dep.	0.000E+00							
Total	0.000E+00							

Water-ind. == Water-independent Water-dep. == Water-dependent

0
 Total Excess Cancer Risk CNRS(i,p,t)*** for Initially Existent Radionuclides (i) and Pathways (p) and Fraction of Total Risk at t= 3.000E+02 years
 0 Water Independent Pathways (Inhalation excludes radon)

Radio-Nuclide	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
	risk	fract.												
U-234	2.810E-09	0.0068	2.841E-09	0.0069	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.026E-09	0.0025
U-235	3.312E-07	0.8030	2.667E-09	0.0065	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.061E-09	0.0026
U-238	6.722E-08	0.1630	2.387E-09	0.0058	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.255E-09	0.0030
Total	4.012E-07	0.9728	7.895E-09	0.0191	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.342E-09	0.0081

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Total Excess Cancer Risk CNRS(i,p,t)*** for Initially Existent Radionuclides (i) and Pathways (p) and Fraction of Total Risk at t= 3.000E+02 years

Water Dependent Pathways

Radio-Nuclide	Water		Fish		Radon		Plant		Meat		Milk		All pathways	
	risk	fract.												
U-234	0.000E+00	0.0000	6.677E-09	0.0162										
U-235	0.000E+00	0.0000	3.349E-07	0.8120										
U-238	0.000E+00	0.0000	7.086E-08	0.1718										
Total	0.000E+00	0.0000	4.124E-07	1.0000										

***CNRSI(i,p,t) includes contribution from decay daughter radionuclides
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Amount of Intake Quantities QINT(i,p,t) for Individual Radionuclides (i) and Pathways (p)
 As pCi/yr at t= 1.000E+03 years

Radio-Nuclide	Water Independent Pathways (Inhalation w/o radon)					Water Dependent Pathways					Total Ingestion*	
	Inhalation	Plant	Meat	Milk	Soil	Water	Fish	Plant	Meat	Milk		
Ac-227	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Pa-231	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Pb-210	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-226	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

* Sum of all ingestion pathways, i.e. water independent plant, meat, milk, soil and water-dependent water, fish, plant, meat, milk pathways

Amount of Intake Quantities QINT9(irn,i,t) and QINT9W(irn,i,t) for Inhalation of Radon and its Decay Products as pCi/yr at t= 1.000E+03 years

Radon Pathway	Rn-222	Po-218	Pb-214	Bi-214	Rn-220	Po-216	Pb-212	Bi-212
Water-ind.	0.000E+00							
Water-dep.	0.000E+00							
Total	0.000E+00							

Water-ind. == Water-independent Water-dep. == Water-dependent

Excess Cancer Risks CNRS(i,p,t) for Individual Radionuclides (i) and Pathways (p) and Fraction of Total Risk at t= 1.000E+03 years

Radio-Nuclide	Ground		Inhalation		Plant		Meat		Milk		Soil	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Ac-227	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Pa-231	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Pb-210	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Ra-226	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Th-230	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
U-234	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
U-235	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
U-238	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000

1RESRAD-ONSITE, Version 7.2 T½ Limit = 180 days 01/23/2018 16:04 Page 27
 Intrisk : IAAAP OU8 DCLG Calcs for DU Site Worker

FUSRAP Five-Year Review Report for Operable Unit 1 (OU-1) and Operable Unit 8 (OU-8) Iowa Army Ammunition Plant

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Excess Cancer Risks CNRS(i,p,t) for Individual Radionuclides (i) and Pathways (p)
and Fraction of Total Risk at t= 1.000E+03 years

Water Dependent Pathways

Radio- Nuclide	Water		Fish		Plant		Meat		Milk		All Pathways**	
	risk	fract.	risk	fract.								
Ac-227	0.000E+00	0.0000	0.000E+00	0.0000								
Pa-231	0.000E+00	0.0000	0.000E+00	0.0000								
Pb-210	0.000E+00	0.0000	0.000E+00	0.0000								
Ra-226	0.000E+00	0.0000	0.000E+00	0.0000								
Th-230	0.000E+00	0.0000	0.000E+00	0.0000								
U-234	0.000E+00	0.0000	0.000E+00	0.0000								
U-235	0.000E+00	0.0000	0.000E+00	0.0000								
U-238	0.000E+00	0.0000	0.000E+00	0.0000								
Total	0.000E+00	0.0000	0.000E+00	0.0000								

** Sum of water independent ground, inhalation, plant, meat, milk, soil
and water dependent water, fish, plant, meat, milk pathways

Excess Cancer Risks CNRS9(irn,i,t) and CNRS9W(irn,i,t) for Inhalation of
Radon and its Decay Products at t= 1.000E+03 years
Radionuclides

Radon Pathway	Rn-222	Po-218	Pb-214	Bi-214	Rn-220	Po-216	Pb-212	Bi-212
Water-ind.	0.000E+00							
Water-dep.	0.000E+00							
Total	0.000E+00							

Water-ind. == Water-independent Water-dep. == Water-dependent

Total Excess Cancer Risk CNRS(i,p,t)*** for Initially Existent Radionuclides (i) and Pathways (p)
and Fraction of Total Risk at t= 1.000E+03 years

Water Independent Pathways (Inhalation excludes radon)

Radio- Nuclide	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
U-234	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
U-235	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
U-238	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000

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Intrisk : IAAAP OU8 DCLG Calcs for DU Site Worker

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FUSRAP Five-Year Review Report for Operable Unit 1 (OU-1) and Operable Unit 8 (OU-8) Iowa Army Ammunition Plant

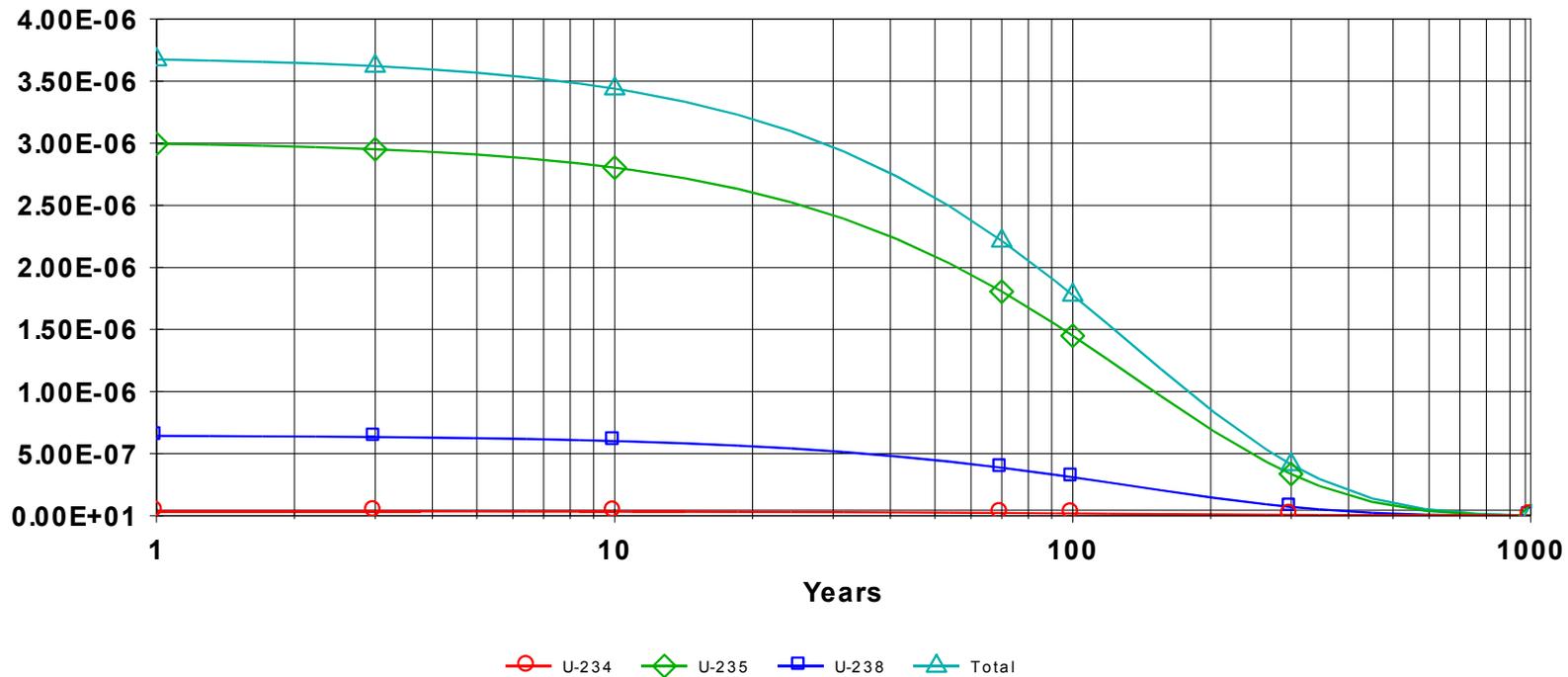
Total Excess Cancer Risk CNRS(i,p,t)*** for Initially Existent Radionuclides (i) and Pathways (p)
and Fraction of Total Risk at t= 1.000E+03 years

Water Dependent Pathways

Radio- Nuclide	Water		Fish		Radon		Plant		Meat		Milk		All pathways	
	risk	fract.												
U-234	0.000E+00	0.0000												
U-235	0.000E+00	0.0000												
U-238	0.000E+00	0.0000												
Total	0.000E+00	0.0000												

***CNRSI(i,p,t) includes contribution from decay daughter radionuclides

EXCESS CANCER RISK: All Nuclides Summed, All Pathways Summed



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ATTACHMENT E-2

**FIVE-YEAR REVIEW VERIFICATION OF DERIVED CONCENTRATION
GUIDELINE LEVELS FOR DEPLETED URANIUM IN SOIL ON STRUCTURAL
SURFACES AT LINE 1 AND THE FIRING SITES AREA IN OPERABLE UNIT 8 AT
THE IOWA ARMY AMMUNITION PLANT**

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INTRODUCTION

As part of the FUSRAP five-year review for OU-8 at the IAAAP, this appendix documents verification of the validity of the DCGL calculations originally performed during preparation of the FUSRAP FS (USACE 2011c) using the RESRAD-BUILD Version 3.5 model. RESRAD-BUILD Version 3.4 was used during the FS to calculate risk- and dose-based DCGLs for the individual isotopes of DU (i.e., U-234, U-235, and U-238) that were ultimately used as the basis for determining the selected RG of 23,000 dpm/cm² for DU in soil on structural surfaces (henceforth referred to as the structural surface RG) for a site (industrial) worker at Line 1 and the FSA. The DCGLs that were used to calculate the RG are the minimum levels corresponding to the time of maximum dose or ECR over a 1,000-year period. The DU RG was derived based on a 1E-04 CR to be protective of a site worker hypothetically exposed to DU in soil on building surfaces and components via soil ingestion, dust inhalation, and external ground radiation. Generally, the RESRAD-BUILD computer code is used to determine DSR and RSR) for DU-contaminated soil on structural surfaces. The DSR and risk-to-source ratio were then used to calculate individual radionuclide DCGLs that were equivalent to 25 mrem per year or 1E-4 ECR (the maximum allowable protective ECR in CERCLA).

This purpose of this verification is to determine the reproducibility of DCGLs that could potentially have been impacted by the update of the RESRAD-BUILD model versions from 3.4 to 3.5. Although updated DCFs and CSFs have been recently published by ORNL (2014), the updated values are not available in the current RESRAD-BUILD Version 3.5 model, the release of which pre-dates those values. For reasons stated in Section 3.9.2 of this Five-Year Review Report, this verification applies the same DCFs and CSFs that were used during RG development in the FUSRAP FS (USACE 2011c), and not the ORNL (2014 updates), though technically, the 2014 ORNL values, which were not available during the FS, supersede those used during RG development and that are being applied during this verification evaluation for the five-year review.

The DCFs and CSFs being used are contained within the FGR-13 Morbidity library of the RESRAD-BUILD 3.5 model, which is the same library used in version 3.4 during RG development in the FUSRAP FS (USACE 2011c). The DCFs in the FGR-13 Morbidity library of both RESRAD-BUILD model versions were obtained from FGR-11 for ingestion and inhalation (USEPA 1988), and from FGR-12 for the external radiation DCFs (USEPA 1993a). The CSFs for all exposure pathways in the FGR-13 Morbidity library were obtained from FGR-13 (USEPA 1999b). The FGR-13 Morbidity library incorporated ICRP-38 data for nuclide energies and decay chains (ICRP 1983). However, updated data for nuclide decay energies and decay chains, which are not incorporated into RESRAD-BUILD 3.5 are now available in ICRP-107 (ICRP 2008).

The DCGLs presented in this document are based on the following:

- release under restricted conditions set forth by NRC in 10 *CFR* 20.1403(b), which states: “The licensee has made provisions for legally enforceable institutional controls that provide reasonable assurance that the TEDE from residual radioactivity distinguishable from background to the average member of the critical group will not exceed 25 mrem [0.25 mSv] per year.”
- USEPA defines the CERCLA TECR range as 10⁻⁶ to 10⁻⁴ where “the upper boundary of the risk range is not a discrete line at 1 x 10⁻⁴. A specific risk estimate around 10⁻⁴ may be considered acceptable if justified based on site-specific conditions” (USEPA 1997b).

METHODOLOGY

The principal radiological contaminant on structure surfaces at the Line 1 and FSA sites is DU. DU is the byproduct remaining after the extraction of U-235 from naturally occurring uranium. DU typically contains about 99.799, 0.200, and 0.001 percent by weight U-238, U-235, and U-234, respectively, with corresponding activity percentages of 90.14, 1.45, and 8.40. Natural U, by comparison, consists of about 99.284, 0.711, and 0.005 weight percent U-238, U-235, and U-234, respectively, with corresponding activity percentages of 48.6, 2.2, and 49.2, respectively, for the stated radioisotopes.

DETERMINATION OF THE DERIVED CONCENTRATION GUIDELINE LEVEL FOR DEPLETED URANIUM

RISK AND DISE ASSESSMENT MODEL

As previously stated, the reproducibility of the structural surface RG for DU that was originally derived during the FS using RESRAD-BUILD 3.4 (released December 2007), is being verified in this five-year review based on application of the current RESRAD-BUILD Version 3.5 model (released October 2009). Generally, RESRAD-BUILD is a computer code developed at the ANL for the DOE developed for assessing radiation exposures (i.e., doses and CRs) to a human receptor inside of a contaminated building or a building containing contaminated surfaces (e.g., walls, floors, furniture, equipment, etc.).

SOURCE TERM

DU is the sum of 99.8 percent of U-238, 0.0007 percent of U-234, and 0.2 percent of U-235 with respect to percentages by weight. Because structure survey instruments cannot differentiate between alpha/beta contamination from independent isotopes, the instrument detects radioactive decays from all three of uranium isotopes. Therefore, the DCGL is based on all three isotopes at their assumed activity percentages.

A unit source concentration (1.0 pCi/g) was input into RESRAD-BUILD Version 3.5 model to determine DSRs and RSRs for U-234, U-235, and U-238. The DSRs and RSRs ratios were then used to calculate a DU DCGL based upon DU activity concentrations and the applicable dose/risk-based limit.

For this assessment, both receptors are assumed to work in the same facility where the entire floor (model default area = 100 m²) and walls up to a height of 2 m (model default height) are uniformly contaminated with DU. The assumptions regarding room dimensions and contamination represent default model inputs per NUREG-5512 and NUREG-6697 (PNNL 1994; SNL 1999; ANL 2002). The default room size is being used because it represents a room size that is likely to be smaller than rooms typically found at a large production facility such as the IAAAP. Because in a smaller room, the distances between the walls and receptor located in the center of the room are less than those in a larger room in a production facility, it is assumed that the smaller room results in a higher delivery of radioactive dose to a receptor than a larger room of similar surface concentrations. Therefore, model inputs for the default room are likely to represent a health-conservative exposure scenario.

RECEPTOR SCENARIOS

Based on the current and future land use, the site worker and construction worker receptors were modeled in the original assessment performed during the RG development in the FUSRAP FS (USACE 2011c). During that evaluation, it was determined that the site worker is critical receptor for RG development because DCGLs calculated for the site worker were more health-conservative than those calculated for the construction worker. Although it is plausible for a construction worker to become exposed during renovation and other construction-related activities, the exposures to a site worker bound those of the construction worker primarily because of the longer exposure duration assumed for the site worker (25 years) versus the construction worker (1 year). Therefore, for the five-year review, this evaluation focuses only on the critical receptor, the site worker.

The site worker scenario assumes that the critical receptor is a typical site worker who works 250 days per year for 25 years (USEPA 2014a). The individual works in the building structure that is contaminated with surficial radioactive material. The radioactive material can be released into the indoor air by mechanisms such as mechanical removal (decontamination activities) or erosion (removal of surface contamination). The applicable pathways for the site worker include the following:

- External exposure to penetrating radiation,
- Inhalation of airborne radioactive particulates, and
- Direct ingestion of surface contamination.

The RESRAD-BUILD parameters and model input values for the site worker scenario are presented in Table E-2-1.

Table E-2-1. Parameters for RESRAD-BUILD Building Occupancy Scenario (Site Worker)

Parameter	Description	Value	Justification
<i>Time Parameters</i>			
Exposure Duration	Amount of time that exposure occurs	365 days	NUREG/CR-5512, Volume 1, Section 3.2.1
Indoor Fraction	Fraction of the exposure duration that is spent inside the building	0.23	8 hour/day; 250 days/year
Evaluation Time	Times at which doses are calculated	0 year	RESRAD-BUILD Default
<i>Building Parameters</i>			
Number of Rooms	Number of compartments in the building	1	RESRAD-BUILD Default
Deposition Velocity	Velocity at which airborne particles are deposited onto the floor surfaces	0.01 m/second	RESRAD-BUILD Default (A sensitivity test resulted in no significant difference between the default value and the minimum and maximum values listed in NUREG/CR-6697)
Re-suspension Rate	Rate at which deposited material is re-suspended into the air	5.0 E-07 second ⁻¹	RESRAD-BUILD Default (approximate midpoint between NUREG/CR-6697 minimum and maximum values)
Building Exchange Rate	Total volume of air going out of the building per unit time divided by the total volume of the building	0.8 hour ⁻¹	RESRAD-BUILD Default Consistent with value of 0.75 hour ⁻¹ for conditioned spaces (cited by American Society of Heating, Refrigerating, and Air-Conditioning Engineers, Inc.)
Room Area	Floor area of the room	100 m ²	NUREG/CR-5512, Volume 1, Section 6.2.1
Room Height	Height of the room	2.5 m	RESRAD-BUILD Default Consistent with NUREG/CR-6697 most likely value of 2.4 m
Room Exchange Rate	Total volume of air going out of the room per unit time divided by the total volume of the room	0.8 hour ⁻¹	RESRAD-BUILD Default Same as building exchange rate due to single room
In/Out Flow Rate	Flow rates of air into and out of the room	200 m ³ /hour	Room volume (250 m ³) * Room exchange rate (0.8 hour ⁻¹)
<i>Receptor Parameters</i>			
Number of Receptors		1	RESRAD-BUILD Default
Room # Location	Room in which the receptor is located	1	RESRAD-BUILD Default
Time Fraction	Fraction of time within the building that the exposed individual spends at his receptor location	1	RESRAD-BUILD Default
Breathing Rate	Inhalation rate of airborne material at this location	33.6 m ³ /day	NUREG/CR-6697 most likely value (Breathing rate = 1.4 m ³ /hr)
Ingestion Rate	Ingestion rate of deposited dust for this location	1 E-04 m ² /hr	RESRAD-BUILD Default (approximate midpoint between NUREG/CR-6697 minimum and maximum values)
Receptor Location	Coordinates of the receptor	5 m, 5 m, 1 m	Located in center of room at height of 1m

Table E-2-1. Parameters for RESRAD-BUILD Building Occupancy Scenario (Site Worker) (Continued)

Parameter	Description	Value	Justification
<i>Shielding Parameters</i>			
Thickness	Thickness of the shielding between the contamination source and the receptor location	0	RESRAD-BUILD Default
Density	Density of the shielding material	Not applicable	
Material	Identification of the shielding material	Not applicable	
<i>Source Parameters</i>			
Number of Sources		5	Floor and four walls
Room # location	All sources are located in Room # 1	1	
Source Type		Area	Surface contamination only; volume source is not likely due to historical assessment of the IAAAP buildings. (No processing of materials or activation of building materials)
Direction	Axis perpendicular to the exposed area	Floor (z), Ceiling (z), 4 walls (x,y,x,y)	NUREG/CR-5512, Volume 1, Section 6.2.1
Location	Center point of the source in the x, y, z direction	Floor: 5 m, 5 m, 0 m; Walls: 10 m, 5 m, 1 m; 5 m, 10 m, 1 m; 0 m, 5 m, 1 m; and 5 m, 0 m, 1 m	Entire floor and bottom 2 m of each wall are uniformly contaminated
Geometry: Area	Area of the exposed surface over which the contamination is evenly distributed	100 m ² , 20 m ² , 20 m ² , 20 m ² , 20 m ²	
Air Release Fraction	Fraction of the eroded material that is released into the air	0.07	Most likely value. NUREG/CR-6697
Direct Ingestion	Direct ingestion rate of the source by any receptor in the room	0 / hour	RESRAD-BUILD Default
Removable Fraction	Fraction of the source that can be linearly removed between t = 0 and lifetime	0.2	Most likely value NUREG/CR-6697
Lifetime	Amount of time in which all of the removable fraction of the source is linearly eroded	10,000 days	Most likely value NUREG/CR-6697
Radionuclides Concentration	Unit concentration is initially run; results are normalized to 25 mrem/year and 1E-04 ECR to determine each isotopic DCGL	1 pCi/m ²	

Note:

The construction worker is exposed for only 1 year whereas the site worker is exposed for 25 years.

VERIFICATION OF THE STRUCTURAL SURFACE REMEDIATION GOAL

To derive the surficial contamination DCGL value that would be equivalent to the dose limit of 25 mrem per year, the IAAAP DU COCs (U-238, U-235, and U-234) were entered into the RESRAD-BUILD 3.5 model using the source concentration term of 1 pCi/m² to determine a DSR and RSR over all of the five surficial exposure sources (i.e., with source 1 being the floor and sources 2 through 5 being each of the four walls) assumed for the hypothetically contaminated compartment (i.e., interior room of a structure). The DSR is a derived value based upon the RESRAD-BUILD modeling output that can be used to convert the dose limit to an equivalent unit of surficial concentration (pCi/m²). Likewise, the RSR is a derived value based upon the RESRAD-BUILD modeling output that can be used to convert a TCR to an equivalent unit of surficial concentration (pCi/m²). The total room DSRs and RSRs for DU was then calculated by summing the individual surface DSRs and RSRs, respectively.

Dose-Based DCGL Calculations

Table E-2-2 shows the DSRs calculated using RESRAD-BUILD 3.5 for each of the DU isotopes, on each of the five sources (four walls and the floor) sources, along with the total DSR for each isotope over all sources combined.

Table E-2-2. RESRAD-BUILD 3.5 Dose-to-Source Ratios for Isotope-Source Pairs

Isotope	Dose-to-Source Ratio ([mrem/year]/[pCi/m ²])					
	Source 1	Source 2	Source 3	Source 4	Source 5	Total
U-238	1.00E-05	1.97E-06	1.97E-06	1.97E-06	1.97E-06	1.79E-05
U-235	1.17E-05	2.13E-06	2.13E-06	2.13E-06	2.13E-06	2.02E-05
U-234	1.09E-05	2.18E-06	2.18E-06	2.18E-06	2.18E-06	1.96E-05

Table E-2-3 shows that by using the total DSR for each isotope from Table E-2-2, a relative DSR for each isotope was then calculated by multiplying the total DSR by the corresponding activity fraction for that isotope in DU. An isotopic fraction of the total relative DSR for DU was calculated for each isotope by dividing the relative DSR by the total relative DSR for DU. The target equivalent dose for each isotope was calculated by multiplying the target dose limit of 25 mrem per year by the isotopic fraction of the relative DU DSR. The isotopic DCGL was calculated by dividing the isotopic target equivalent dose by the total relative DSR for DU. The individual isotopic DCGLs are calculated such that the DCGL-equivalent doses and ECRs collectively do not exceed the total dose and ECR limits of 25 mrem per year and 1E-04, respectively. The sum of the isotope-specific DCGLs yields a total DU DCGL equivalent to 25 mrem per year. Table E-2-3 shows these calculations. Therefore, the dose-based DU DCGL (targeting the 25 mrem limit) is 30,734 dpm/100 cm².

Table E-2-3. RESRAD-BUILD 3.5 Dose-Based Derived Concentration Guideline Levels

Isotope	DSR ([mrem/year]/[pCi/m ²])	DU Activity Fraction (Unitless)	Relative DSR ([mrem/year]/[pCi/m ²])	Isotopic Fraction of Relative DU DSR (Unitless)	Target Dose (25 mrem/year Isotopic Equivalent)	DCGL ^a (dpm/100 cm ²)
U-238	1.79E-05	9.01E-01	1.61E-05	8.92E-01	2.23E+01	27,430
U-235	2.02E-05	1.45E-02	2.93E-07	1.62E-02	4.06E-01	499
U-234	1.96E-05	8.40E-02	1.65E-06	9.13E-02	2.28E+00	2,805
Total for DU:		1.00E+00	1.81E-05	1.00E+00	2.50E+01	30,734

^a Isotopic DCGLs = (Equivalent Dose/DSR) * (2.22 dpm/pCi) * (m²/100 cm²)

Table E-2-4 shows a dose evaluation by individual external and internal radiation exposure pathways. Based on a review of the percent dose contributions from each pathway to the total dose, Table E-2-4 shows that the inhalation (i.e., of DU-contaminated particulates) pathway contributes predominantly (96 percent) to the total dose used to determine the dose-based DCGL for DU in soil on structural surfaces.

Table E-2-4. RESRAD-BUILD 3.5 Pathway Dose Evaluation

Source	Pathway-Specific Dose (mrem) Summed Over All DU Isotopes						Total Dose Over All Pathways
	External Radiation Exposures			Internal Radiation Exposures			
	External	Deposition	Submersion	Inhalation	Radon	Ingestion	
Source 1 Dose (Floor):	1.84E-06	1.08E-09	7.14E-12	3.07E-05	9.35E-16	9.63E-08	3.26E-05
Source 2 Dose (Wall):	1.04E-07	2.16E-10	1.43E-12	6.14E-06	1.87E-16	1.93E-08	6.26E-06
Source 3 Dose (Wall):	1.04E-07	2.16E-10	1.43E-12	6.14E-06	1.87E-16	1.93E-08	6.26E-06
Source 4 Dose (Wall):	1.04E-07	2.16E-10	1.43E-12	6.14E-06	1.87E-16	1.93E-08	6.26E-06
Source 5 Dose (Wall):	1.04E-07	2.16E-10	1.43E-12	6.14E-06	1.87E-16	1.93E-08	6.26E-06
Pathway Total Dose:	2.26E-06	1.94E-09	1.29E-11	5.53E-05	1.68E-15	1.74E-07	5.77E-05
Pathway Contribution to Total Dose (Percent):	4%	0%	0%	96%	0%	0%	100%

Risk-Based DCGL Calculations

Table E-2-5 shows the RSRs calculated over a one-year period using RESRAD-BUILD 3.5 for each of the DU isotopes, on each of the five sources (four walls and the floor) sources, along with the total RSR for each isotope over all sources combined.

Table E-2-5. RESRAD-BUILD 3.5 Risk-to-Source Ratios for Isotope-Source Pairs

Isotope	Single-Year Risk-to-Source Ratio ([risk/year]/[pCi/m ²])					
	Source 1	Source 2	Source 3	Source 4	Source 5	Total
U-238	2.18E-12	4.04E-13	4.04E-13	4.04E-13	4.04E-13	3.80E-12
U-235	3.16E-12	4.75E-13	4.75E-13	4.75E-13	4.75E-13	5.06E-12
U-234	2.30E-12	4.60E-13	4.60E-13	4.60E-13	4.60E-13	4.14E-12

Table E-2-6 shows that by using the total RSR for each isotope from Table E-2-5, a relative RSR for each isotope was then calculated by multiplying the total RSR by the corresponding activity fraction for that isotope in DU. Subsequent to this, the risk-based DCGL for DU in soil on

structural surfaces is calculated in the same way as the dose-based DCGL, with the exception being that the DCGL, which is based on a single-year ECR, is divided by a factor of 25 to account for the 25-year exposure duration for the site worker. Table E-5 shows these calculations. Therefore, the dose-based DU DCGL (targeting the 1E-04 ECR limit) is 23,108 dpm/100 cm².

Table E-2-6. RESRAD-BUILD 3.5 Risk-Based Derived Concentration Guideline Levels

Isotope	RSR ([risk/year]/[pCi/m ²])	DU Activity Fraction	Relative RSR ([risk/year]/[pCi/m ²])	Isotopic Fraction of Relative DU RSR (Unitless)	TECR (1E-04 Isotopic Equivalent)	Single-Year DCGL ^a (dpm/100 cm ²)	25-Year DCGL (dpm/100 cm ²)
U-238	3.80E-12	9.01E-01	3.42E-12	8.90E-01	8.90E-05	5.14E+05	20,576
U-235	5.06E-12	1.45E-02	7.34E-14	1.91E-02	1.91E-06	1.10E+04	441
U-234	4.14E-12	8.40E-02	3.48E-13	9.05E-02	9.05E-06	5.23E+04	2,091
Total for DU:		1.00E+00	3.84E-12	1.00E+00	1.00E-04	5.78E+05	23,108

^a Isotopic DCGLs = (Equivalent Dose/DSR) * (2.22 dpm/pCi) * (m²/100 cm²)

Table E-2-7 shows an ECR evaluation by individual external and internal radiation exposure pathways. Based on a review of the percent dose contributions from each pathway to the total ECR, Table E-2-7 shows that the inhalation (i.e., of DU-contaminated particulates) pathway contributes predominantly (87 percent) to the total ECR used to determine the risk-based DCGL for DU in soil on structural surfaces.

Table E-2-7. RESRAD-BUILD 3.5 Pathway Excess Cancer Risk Evaluation

Source	Pathway-Specific ECRs Summed Over All DU Isotopes						Total ECR Over All Pathways
	External Radiation Exposures			Internal Radiation Exposures			
	External	Deposition	Submersion	Inhalation	Radon	Ingestion	
Source 1 ECR (Floor):	1.33E-12	7.78E-16	5.15E-18	6.29E-12	2.07E-21	3.69E-14	7.66E-12
Source 2 ECR (Wall):	7.50E-14	1.56E-16	1.03E-18	1.26E-12	4.15E-22	7.38E-15	1.34E-12
Source 3 ECR (Wall):	7.50E-14	1.56E-16	1.03E-18	1.26E-12	4.15E-22	7.38E-15	1.34E-12
Source 4 ECR (Wall):	7.50E-14	1.56E-16	1.03E-18	1.26E-12	4.15E-22	7.38E-15	1.34E-12
Source 5 ECR (Wall):	7.50E-14	1.56E-16	1.03E-18	1.26E-12	4.15E-22	7.38E-15	1.34E-12
Pathway Total ECR:	1.63E-12	1.40E-15	9.27E-18	1.13E-11	3.73E-21	6.64E-14	1.30E-11
Pathway Contribution to Total ECR (Percent):	13%	0%	0%	87%	0%	1%	100%

CONCLUSION

Following a review of the dose- and risk-based soil DCGLs calculated for U-238 in Tables E-2-3 and E-2-6, respectively, the selected RG would be the lower and more health conservative of the two values, i.e., the risk-based DCGL of 23,108 dpm/100 cm². The risk-based DCGL for DU determined during the FS was 23,033 dpm/100 cm². Both the current and FS-derived DCGLs for

DU values round to 23,000 dpm/100 cm², which is the structural surface RG established for DU in the FUSRAP ROD (USACE 2011a).

In conclusion, the structural surface DCGL recalculation for DU using the current RESRAD-BUILD Version 3.5 model results in a structural surface DCGL (23,108 dpm/100 cm²) DU that approximates the structural surface RG (23,000 dpm/100 cm²) that was established in the FUSRAP ROD (USACE 2011a). Therefore, based on the results of this evaluation, it has been verified there have been no significant updates in the development of the current RESRAD-BUILD model version that would impact the calculation of the existing structural surface RG being implemented at Line 1 and the FSA at the IAAAP.

Additionally, since the risk-based DCGL is used as the structural surface RG, a pathway ECR evaluation has demonstrated that, based on calculations performed using the current RESRAD-BUILD Version 3.5 model, the inhalation (i.e., of DU-contaminated particulates) pathway contributes predominantly (i.e., 87 percent) to the total ECR associated with the structural surface RG that was established in the FUSRAP ROD (USACE 2011a).

The RESRAD-BUILD-ONSITE 305 output files for the dose and ECR calculations are included as Attachments E-2-1 and E-2-2, respectively.

ATTACHMENT E-2-1

Site Worker RESRAD-BUILD 3.5 Dose Output Report

(On the CD-ROM on the Back Cover of this Report)

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** RESRAD-BUILD Dose Program Output, Version 3.50 01/25/18 12:57:08 Page: 1 **
Title : IAAAP OU8 DU Structural DCLG Calcs
Input File : C:\RESRAD-BUILD User Files\IAAAPOU8_FS INPUTS.bld

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** RESRAD-BUILD Dose Program Output, Version 3.50 01/25/18 12:57:08 Page: 2 **
 Title : IAAAP OU8 DU Structural DCLG Calcs
 Input File : C:\RESRAD-BUILD User Files\IAAAPOU8_FS INPUTS.bld

```

=====
=====
=====
RESRAD-BUILD Input Parameters
=====
=====
=====
  
```

```

Number of Sources : 5
Number of Receptors: 1
Total Time : 3.650000E+02 days
Fraction Inside : 2.300000E-01
  
```

```

===== Receptor Information =====
  
```

Receptor	Room	x [m]	y [m]	z [m]	FracTime	Inhalation [m3/day]	Ingestion(Dust) [m2/hr]
1	1	5.000	5.000	1.000	1.000	3.36E+01	1.00E-04

```

===== Receptor-Source Shielding Relationship =====
  
```

Receptor	Source	Density [g/cm3]	Thickness [cm]	Material
1	1	2.40E+00	0.00E+00	Concrete
1	2	2.40E+00	0.00E+00	Concrete
1	3	2.40E+00	0.00E+00	Concrete
1	4	2.40E+00	0.00E+00	Concrete
1	5	2.40E+00	0.00E+00	Concrete

** RESRAD-BUILD Dose Program Output, Version 3.50 01/25/18 12:57:08 Page: 3 **
Title : IAAAP OU8 DU Structural DCLG Calcs
Input File : C:\RESRAD-BUILD User Files\IAAAPOU8_FS INPUTS.bld

=====
Building Information
=====

Building Air Exchange Rate: 8.00E-01 1/hr

Height[m]	Air Exchanges [m3/hr]	
Area [m2]	*****	
	*	*
	*	*
	*	<=Q01: 2.00E+02
H1: 2.500	Room 1	Q10 : 2.00E+02
	LAMBDA: 8.00E-01	*
Area 100.000	*	*
	*	*

Deposition velocity: 1.00E-02 [m/s] Resuspension Rate: 5.00E-07 [1/s]

** RESRAD-BUILD Dose Program Output, Version 3.50 01/25/18 12:57:08 Page: 4 **
 Title : IAAAP OU8 DU Structural DCLG Calcs
 Input File : C:\RESRAD-BUILD User Files\IAAAPOU8_FS INPUTS.bld

==== Source Information =====

Source: 1

Location:: Room : 1 x: 5.00 y: 5.00 z: 0.00[m]
 Geometry:: Type: Area Length[m]:1.00E+01 Width[m]:1.00E+01 Direction: z
 Pathway ::
 Direct Ingestion Rate: 0.000E+00 [1/hr]
 Fraction released to air: 7.000E-02
 Removable fraction: 2.000E-01
 Time to Remove: 1.000E+04 [day]

 Radon Release Fraction: 1.000E-01

Contamination::

Nuclide Concentration Dose Conversion Factor (Library: FGR 13 Morbidity)

		Ingestion	Inhalation	Submersion
	[pCi/m2]	[mrem/pCi]	[mrem/pCi]	[mrem/yr/ (pCi/m3)]
U-238	1.000E+00	2.687E-04	1.180E-01	1.597E-04
U-235	1.000E+00	2.673E-04	1.230E-01	9.019E-04
U-234	1.000E+00	2.830E-04	1.320E-01	8.912E-07
PA-231	0.000E+00	1.060E-02	1.280E+00	2.009E-04
TH-230	0.000E+00	5.480E-04	3.260E-01	2.032E-06
AC-227	0.000E+00	1.480E-02	6.724E+00	2.161E-03
RA-226	0.000E+00	1.321E-03	8.594E-03	1.035E-02
PB-210	0.000E+00	5.376E-03	1.380E-02	1.043E-05

FUSRAP Five-Year Review Report for Operable Unit 1 (OU-1) and Operable Unit 8 (OU-8) Iowa Army Ammunition Plant

** RESRAD-BUILD Dose Program Output, Version 3.50 01/25/18 12:57:08 Page: 5 **
 Title : IAAAP OU8 DU Structural DCLG Calcs
 Input File : C:\RESRAD-BUILD User Files\IAAAPOU8_FS INPUTS.bld

Source: 2

Location:: Room : 1 x: 5.00 y: 10.00 z: 1.00[m]
 Geometry:: Type: Area Length[m]:1.00E+01 Width[m]:2.00E+00 Direction: y
 Pathway ::
 Direct Ingestion Rate: 0.000E+00 [1/hr]
 Fraction released to air: 7.000E-02
 Removable fraction: 2.000E-01
 Time to Remove: 1.000E+04 [day]
 Radon Release Fraction: 1.000E-01

Contamination::

Nuclide Concentration Dose Conversion Factor (Library: FGR 13 Morbidity)

		Ingestion	Inhalation	Submersion
	[pCi/m2]	[mrem/pCi]	[mrem/pCi]	[mrem/yr/ (pCi/m3)]
U-238	1.000E+00	2.687E-04	1.180E-01	1.597E-04
U-235	1.000E+00	2.673E-04	1.230E-01	9.019E-04
U-234	1.000E+00	2.830E-04	1.320E-01	8.912E-07
PA-231	0.000E+00	1.060E-02	1.280E+00	2.009E-04
TH-230	0.000E+00	5.480E-04	3.260E-01	2.032E-06
AC-227	0.000E+00	1.480E-02	6.724E+00	2.161E-03
RA-226	0.000E+00	1.321E-03	8.594E-03	1.035E-02
PB-210	0.000E+00	5.376E-03	1.380E-02	1.043E-05

Source: 3

Location:: Room : 1 x: 10.00 y: 5.00 z: 1.00[m]
 Geometry:: Type: Area Length[m]:1.00E+01 Width[m]:2.00E+00 Direction: x
 Pathway ::
 Direct Ingestion Rate: 0.000E+00 [1/hr]
 Fraction released to air: 7.000E-02
 Removable fraction: 2.000E-01
 Time to Remove: 1.000E+04 [day]
 Radon Release Fraction: 1.000E-01

Contamination::

Nuclide Concentration Dose Conversion Factor (Library: FGR 13 Morbidity)

		Ingestion	Inhalation	Submersion
	[pCi/m2]	[mrem/pCi]	[mrem/pCi]	[mrem/yr/ (pCi/m3)]
U-238	1.000E+00	2.687E-04	1.180E-01	1.597E-04

FUSRAP Five-Year Review Report for Operable Unit 1 (OU-1) and Operable Unit 8 (OU-8) Iowa Army Ammunition Plant

** RESRAD-BUILD Dose Program Output, Version 3.50 01/25/18 12:57:08 Page: 6 **
 Title : IAAAP OU8 DU Structural DCLG Calcs
 Input File : C:\RESRAD-BUILD User Files\IAAAPOU8_FS INPUTS.bld

U-235	1.000E+00	2.673E-04	1.230E-01	9.019E-04
U-234	1.000E+00	2.830E-04	1.320E-01	8.912E-07
PA-231	0.000E+00	1.060E-02	1.280E+00	2.009E-04
TH-230	0.000E+00	5.480E-04	3.260E-01	2.032E-06
AC-227	0.000E+00	1.480E-02	6.724E+00	2.161E-03
RA-226	0.000E+00	1.321E-03	8.594E-03	1.035E-02
PB-210	0.000E+00	5.376E-03	1.380E-02	1.043E-05

Source: 4

Location:: Room : 1 x: 0.00 y: 5.00 z: 1.00[m]
 Geometry:: Type: Area Length[m]:1.00E+01 Width[m]:2.00E+00 Direction: x
 Pathway ::
 Direct Ingestion Rate: 0.000E+00 [1/hr]
 Fraction released to air: 7.000E-02
 Removable fraction: 2.000E-01
 Time to Remove: 1.000E+04 [day]
 Radon Release Fraction: 1.000E-01

Contamination::

Nuclide Concentration Dose Conversion Factor (Library: FGR 13 Morbidity)

	[pCi/m2]	Dose Conversion Factor (Library: FGR 13 Morbidity)		
		Ingestion [mrem/pCi]	Inhalation [mrem/pCi]	Submersion [mrem/yr/ (pCi/m3)]
U-238	1.000E+00	2.687E-04	1.180E-01	1.597E-04
U-235	1.000E+00	2.673E-04	1.230E-01	9.019E-04
U-234	1.000E+00	2.830E-04	1.320E-01	8.912E-07
PA-231	0.000E+00	1.060E-02	1.280E+00	2.009E-04
TH-230	0.000E+00	5.480E-04	3.260E-01	2.032E-06
AC-227	0.000E+00	1.480E-02	6.724E+00	2.161E-03
RA-226	0.000E+00	1.321E-03	8.594E-03	1.035E-02
PB-210	0.000E+00	5.376E-03	1.380E-02	1.043E-05

FUSRAP Five-Year Review Report for Operable Unit 1 (OU-1) and Operable Unit 8 (OU-8) Iowa Army Ammunition Plant

** RESRAD-BUILD Dose Program Output, Version 3.50 01/25/18 12:57:08 Page: 7 **
Title : IAAAP OU8 DU Structural DCLG Calcs
Input File : C:\RESRAD-BUILD User Files\IAAAPOU8_FS INPUTS.bld

Source: 5

Location:: Room : 1 x: 5.00 y: 0.00 z: 1.00[m]
Geometry:: Type: Area Length[m]:1.00E+01 Width[m]:2.00E+00 Direction: y
Pathway ::
Direct Ingestion Rate: 0.000E+00 [1/hr]
Fraction released to air: 7.000E-02
Removable fraction: 2.000E-01
Time to Remove: 1.000E+04 [day]

Radon Release Fraction: 1.000E-01

Contamination::

Nuclide Concentration Dose Conversion Factor (Library: FGR 13 Morbidity)

		Ingestion	Inhalation	Submersion
	[pCi/m2]	[mrem/pCi]	[mrem/pCi]	[mrem/yr/ (pCi/m3)]
U-238	1.000E+00	2.687E-04	1.180E-01	1.597E-04
U-235	1.000E+00	2.673E-04	1.230E-01	9.019E-04
U-234	1.000E+00	2.830E-04	1.320E-01	8.912E-07
PA-231	0.000E+00	1.060E-02	1.280E+00	2.009E-04
TH-230	0.000E+00	5.480E-04	3.260E-01	2.032E-06
AC-227	0.000E+00	1.480E-02	6.724E+00	2.161E-03
RA-226	0.000E+00	1.321E-03	8.594E-03	1.035E-02
PB-210	0.000E+00	5.376E-03	1.380E-02	1.043E-05

FUSRAP Five-Year Review Report for Operable Unit 1 (OU-1) and Operable Unit 8 (OU-8) Iowa Army Ammunition Plant

** RESRAD-BUILD Dose Program Output, Version 3.50 01/25/18 12:57:08 Page: 9 **
Title : IAAAP OU8 DU Structural DCLG Calcs
Input File : C:\RESRAD-BUILD User Files\IAAAPOU8_FS INPUTS.bld
Evaluation Time: 0.0000000E+00 years

PA-231	0.000E+00
TH-230	0.000E+00
AC-227	0.000E+00
RA-226	0.000E+00
PB-210	0.000E+00

Source: 3

Location:: Room : 1 x: 10.00 y: 5.00 z: 1.00 [m]
Geometry:: Type: Area Length[m]:1.00E+01 Width[m]:2.00E+00 Direction: x
Pathway ::
Direct Ingestion Rate: 0.000E+00 [1/hr]
Fraction released to air: 7.000E-02
Removable fraction: 2.000E-01
Time to Remove: 1.000E+04 [day]

Contamination::	Nuclide	Concentration [pCi/m2]
	U-238	1.000E+00
	U-235	1.000E+00
	U-234	1.000E+00
	PA-231	0.000E+00
	TH-230	0.000E+00
	AC-227	0.000E+00
	RA-226	0.000E+00
	PB-210	0.000E+00

Source: 4

Location:: Room : 1 x: 0.00 y: 5.00 z: 1.00 [m]
Geometry:: Type: Area Length[m]:1.00E+01 Width[m]:2.00E+00 Direction: x
Pathway ::
Direct Ingestion Rate: 0.000E+00 [1/hr]
Fraction released to air: 7.000E-02
Removable fraction: 2.000E-01
Time to Remove: 1.000E+04 [day]

Contamination::	Nuclide	Concentration [pCi/m2]
	U-238	1.000E+00
	U-235	1.000E+00
	U-234	1.000E+00
	PA-231	0.000E+00
	TH-230	0.000E+00
	AC-227	0.000E+00
	RA-226	0.000E+00
	PB-210	0.000E+00

** RESRAD-BUILD Dose Program Output, Version 3.50 01/25/18 12:57:08 Page: 10 **
Title : IAAAP OU8 DU Structural DCLG Calcs
Input File : C:\RESRAD-BUILD User Files\IAAAPOU8_FS INPUTS.bld
Evaluation Time: 0.00000000E+00 years

Source: 5

Location:: Room : 1 x: 5.00 y: 0.00 z: 1.00 [m]
Geometry:: Type: Area Length[m]:1.00E+01 Width[m]:2.00E+00 Direction: y
Pathway ::
Direct Ingestion Rate: 0.000E+00 [1/hr]
Fraction released to air: 7.000E-02
Removable fraction: 2.000E-01
Time to Remove: 1.000E+04 [day]

Contamination::	Nuclide	Concentration [pCi/m2]
	U-238	1.000E+00
	U-235	1.000E+00
	U-234	1.000E+00
	PA-231	0.000E+00
	TH-230	0.000E+00
	AC-227	0.000E+00
	RA-226	0.000E+00
	PB-210	0.000E+00

** RESRAD-BUILD Dose Program Output, Version 3.50 01/25/18 12:57:08 Page: 11 **
Title : IAAAP OU8 DU Structural DCLG Calcs
Input File : C:\RESRAD-BUILD User Files\IAAAPOU8_FS INPUTS.bld
Evaluation Time: 0.00000000E+00 years

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RESRAD-BUILD Dose Tables

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Source Contributions to Receptor Doses

[mrem]

	Source 1	Source 2	Source 3	Source 4	Source 5	Total
Receptor 1	3.26E-05	6.26E-06	6.26E-06	6.26E-06	6.26E-06	5.77E-05
Total	3.26E-05	6.26E-06	6.26E-06	6.26E-06	6.26E-06	5.77E-05

** RESRAD-BUILD Dose Program Output, Version 3.50 01/25/18 12:57:08 Page: 12 **
Title : IAAAP OU8 DU Structural DCLG Calcs
Input File : C:\RESRAD-BUILD User Files\IAAAPOU8_FS INPUTS.bld
Evaluation Time: 0.00000000E+00 years

Pathway Detail of Doses

[mrem]

Source: 1						
Receptor	External	Deposition	Immersion	Inhalation	Radon	Ingestion
1	1.84E-06	1.08E-09	7.14E-12	3.07E-05	9.35E-16	9.63E-08
Total	1.84E-06	1.08E-09	7.14E-12	3.07E-05	9.35E-16	9.63E-08

Source: 2						
Receptor	External	Deposition	Immersion	Inhalation	Radon	Ingestion
1	1.04E-07	2.16E-10	1.43E-12	6.14E-06	1.87E-16	1.93E-08
Total	1.04E-07	2.16E-10	1.43E-12	6.14E-06	1.87E-16	1.93E-08

Source: 3						
Receptor	External	Deposition	Immersion	Inhalation	Radon	Ingestion
1	1.04E-07	2.16E-10	1.43E-12	6.14E-06	1.87E-16	1.93E-08
Total	1.04E-07	2.16E-10	1.43E-12	6.14E-06	1.87E-16	1.93E-08

Source: 4						
Receptor	External	Deposition	Immersion	Inhalation	Radon	Ingestion
1	1.04E-07	2.16E-10	1.43E-12	6.14E-06	1.87E-16	1.93E-08
Total	1.04E-07	2.16E-10	1.43E-12	6.14E-06	1.87E-16	1.93E-08

Source: 5						
Receptor	External	Deposition	Immersion	Inhalation	Radon	Ingestion
1	1.04E-07	2.16E-10	1.43E-12	6.14E-06	1.87E-16	1.93E-08
Total	1.04E-07	2.16E-10	1.43E-12	6.14E-06	1.87E-16	1.93E-08

** RESRAD-BUILD Dose Program Output, Version 3.50 01/25/18 12:57:08 Page: 13 **
Title : IAAAP OU8 DU Structural DCLG Calcs
Input File : C:\RESRAD-BUILD User Files\IAAAPOU8_FS INPUTS.bld
Evaluation Time: 0.0000000E+00 years

Nuclide Detail of Doses

[mrem]

Source: 1

Nuclide	Receptor	Total
	1	
U-238	1.00E-05	1.00E-05
U-234	1.54E-11	1.54E-11
TH-230	1.14E-16	1.14E-16
RA-226	7.73E-21	7.73E-21
PB-210	5.00E-24	5.00E-24
U-235	1.17E-05	1.17E-05
PA-231	1.13E-09	1.13E-09
AC-227	5.98E-11	5.98E-11
U-234	1.09E-05	1.09E-05
TH-230	1.21E-10	1.21E-10
RA-226	1.09E-14	1.09E-14
PB-210	8.81E-18	8.81E-18

Source: 2

Nuclide	Receptor	Total
	1	
U-238	1.97E-06	1.97E-06
U-234	3.08E-12	3.08E-12
TH-230	2.28E-17	2.28E-17
RA-226	5.91E-22	5.91E-22
PB-210	9.77E-25	9.77E-25
U-235	2.12E-06	2.12E-06
PA-231	2.25E-10	2.25E-10
AC-227	1.19E-11	1.19E-11
U-234	2.18E-06	2.18E-06
TH-230	2.42E-11	2.42E-11
RA-226	8.37E-16	8.37E-16
PB-210	1.72E-18	1.72E-18

** RESRAD-BUILD Dose Program Output, Version 3.50 01/25/18 12:57:08 Page: 14 **
Title : IAAAP OU8 DU Structural DCLG Calcs
Input File : C:\RESRAD-BUILD User Files\IAAAPOU8_FS INPUTS.bld
Evaluation Time: 0.00000000E+00 years

Source: 3

Nuclide	Receptor	Total
	1	
U-238	1.97E-06	1.97E-06
U-234	3.08E-12	3.08E-12
TH-230	2.28E-17	2.28E-17
RA-226	5.91E-22	5.91E-22
PB-210	9.77E-25	9.77E-25
U-235	2.12E-06	2.12E-06
PA-231	2.25E-10	2.25E-10
AC-227	1.19E-11	1.19E-11
U-234	2.18E-06	2.18E-06
TH-230	2.42E-11	2.42E-11
RA-226	8.37E-16	8.37E-16
PB-210	1.72E-18	1.72E-18

Source: 4

Nuclide	Receptor	Total
	1	
U-238	1.97E-06	1.97E-06
U-234	3.08E-12	3.08E-12
TH-230	2.28E-17	2.28E-17
RA-226	5.91E-22	5.91E-22
PB-210	9.77E-25	9.77E-25
U-235	2.12E-06	2.12E-06
PA-231	2.25E-10	2.25E-10
AC-227	1.19E-11	1.19E-11
U-234	2.18E-06	2.18E-06
TH-230	2.42E-11	2.42E-11
RA-226	8.37E-16	8.37E-16
PB-210	1.72E-18	1.72E-18

Source: 5

Nuclide	Receptor	Total
	1	
U-238	1.97E-06	1.97E-06
U-234	3.08E-12	3.08E-12
TH-230	2.28E-17	2.28E-17
RA-226	5.91E-22	5.91E-22

** RESRAD-BUILD Dose Program Output, Version 3.50 01/25/18 12:57:08 Page: 15 **

Title : IAAAP OU8 DU Structural DCLG Calcs

Input File : C:\RESRAD-BUILD User Files\IAAAPOU8_FS INPUTS.bld

Evaluation Time: 0.00000000E+00 years

PB-210	9.77E-25	9.77E-25
U-235	2.12E-06	2.12E-06
PA-231	2.25E-10	2.25E-10
AC-227	1.19E-11	1.19E-11
U-234	2.18E-06	2.18E-06
TH-230	2.42E-11	2.42E-11
RA-226	8.37E-16	8.37E-16
PB-210	1.72E-18	1.72E-18

FUSRAP Five-Year Review Report for Operable Unit 1 (OU-1) and Operable Unit 8 (OU-8) Iowa Army Ammunition Plant

** RESRAD-BUILD Dose Program Output, Version 3.50 01/25/18 12:57:08 Page: 17 **
Title : IAAAP OU8 DU Structural DCLG Calcs
Input File : C:\RESRAD-BUILD User Files\IAAAPOU8_FS INPUTS.bld
Evaluation Time: 1.00000000 years

PA-231	2.098E-05
TH-230	8.936E-06
AC-227	3.300E-07
RA-226	1.935E-09
PB-210	1.990E-11

Source: 3

Location:: Room : 1 x: 10.00 y: 5.00 z: 1.00 [m]
Geometry:: Type: Area Length[m]:1.00E+01 Width[m]:2.00E+00 Direction: x
Pathway ::
Direct Ingestion Rate: 0.000E+00 [1/hr]
Fraction released to air: 7.000E-02
Removable fraction: 1.941E-01
Time to Remove: 1.000E+04 [day]

Contamination::	Nuclide	Concentration
		[pCi/m2]
	U-238	9.927E-01
	U-235	9.927E-01
	U-234	9.927E-01
	PA-231	2.098E-05
	TH-230	8.936E-06
	AC-227	3.300E-07
	RA-226	1.935E-09
	PB-210	1.990E-11

Source: 4

Location:: Room : 1 x: 0.00 y: 5.00 z: 1.00 [m]
Geometry:: Type: Area Length[m]:1.00E+01 Width[m]:2.00E+00 Direction: x
Pathway ::
Direct Ingestion Rate: 0.000E+00 [1/hr]
Fraction released to air: 7.000E-02
Removable fraction: 1.941E-01
Time to Remove: 1.000E+04 [day]

Contamination::	Nuclide	Concentration
		[pCi/m2]
	U-238	9.927E-01
	U-235	9.927E-01
	U-234	9.927E-01
	PA-231	2.098E-05
	TH-230	8.936E-06
	AC-227	3.300E-07
	RA-226	1.935E-09
	PB-210	1.990E-11

** RESRAD-BUILD Dose Program Output, Version 3.50 01/25/18 12:57:08 Page: 18 **
Title : IAAAP OU8 DU Structural DCLG Calcs
Input File : C:\RESRAD-BUILD User Files\IAAAPOU8_FS INPUTS.bld
Evaluation Time: 1.00000000 years

Source: 5

Location:: Room : 1 x: 5.00 y: 0.00 z: 1.00 [m]
Geometry:: Type: Area Length[m]:1.00E+01 Width[m]:2.00E+00 Direction: y
Pathway ::
Direct Ingestion Rate: 0.000E+00 [1/hr]
Fraction released to air: 7.000E-02
Removable fraction: 1.941E-01
Time to Remove: 1.000E+04 [day]

Contamination::	Nuclide	Concentration [pCi/m2]
	U-238	9.927E-01
	U-235	9.927E-01
	U-234	9.927E-01
	PA-231	2.098E-05
	TH-230	8.936E-06
	AC-227	3.300E-07
	RA-226	1.935E-09
	PB-210	1.990E-11

** RESRAD-BUILD Dose Program Output, Version 3.50 01/25/18 12:57:08 Page: 19 **
Title : IAAAP OU8 DU Structural DCLG Calcs
Input File : C:\RESRAD-BUILD User Files\IAAAPOU8_FS INPUTS.bld
Evaluation Time: 1.00000000 years

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RESRAD-BUILD Dose Tables

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Source Contributions to Receptor Doses

[mrem]

	Source 1	Source 2	Source 3	Source 4	Source 5	Total
Receptor 1	3.26E-05	6.26E-06	6.26E-06	6.26E-06	6.26E-06	5.77E-05
Total	3.26E-05	6.26E-06	6.26E-06	6.26E-06	6.26E-06	5.77E-05

** RESRAD-BUILD Dose Program Output, Version 3.50 01/25/18 12:57:08 Page: 20 **
 Title : IAAAP OU8 DU Structural DCLG Calcs
 Input File : C:\RESRAD-BUILD User Files\IAAAPOU8_FS INPUTS.bld
 Evaluation Time: 1.00000000 years

Pathway Detail of Doses

[mrem]

Source: 1						
Receptor	External	Deposition	Immersion	Inhalation	Radon	Ingestion
1	1.83E-06	1.08E-09	7.14E-12	3.07E-05	6.51E-15	9.63E-08
Total	1.83E-06	1.08E-09	7.14E-12	3.07E-05	6.51E-15	9.63E-08

Source: 2						
Receptor	External	Deposition	Immersion	Inhalation	Radon	Ingestion
1	1.03E-07	2.16E-10	1.43E-12	6.14E-06	1.30E-15	1.93E-08
Total	1.03E-07	2.16E-10	1.43E-12	6.14E-06	1.30E-15	1.93E-08

Source: 3						
Receptor	External	Deposition	Immersion	Inhalation	Radon	Ingestion
1	1.03E-07	2.16E-10	1.43E-12	6.14E-06	1.30E-15	1.93E-08
Total	1.03E-07	2.16E-10	1.43E-12	6.14E-06	1.30E-15	1.93E-08

Source: 4						
Receptor	External	Deposition	Immersion	Inhalation	Radon	Ingestion
1	1.03E-07	2.16E-10	1.43E-12	6.14E-06	1.30E-15	1.93E-08
Total	1.03E-07	2.16E-10	1.43E-12	6.14E-06	1.30E-15	1.93E-08

Source: 5						
Receptor	External	Deposition	Immersion	Inhalation	Radon	Ingestion
1	1.03E-07	2.16E-10	1.43E-12	6.14E-06	1.30E-15	1.93E-08
Total	1.03E-07	2.16E-10	1.43E-12	6.14E-06	1.30E-15	1.93E-08

** RESRAD-BUILD Dose Program Output, Version 3.50 01/25/18 12:57:08 Page: 21 **
Title : IAAAP OU8 DU Structural DCLG Calcs
Input File : C:\RESRAD-BUILD User Files\IAAAPOU8_FS INPUTS.bld
Evaluation Time: 1.00000000 years

Nuclide Detail of Doses

[mrem]

Source: 1

Nuclide	Receptor	Total
	1	
U-238	1.00E-05	1.00E-05
U-234	4.62E-11	4.62E-11
TH-230	7.99E-16	7.99E-16
RA-226	1.15E-19	1.15E-19
PB-210	1.54E-22	1.54E-22
U-235	1.17E-05	1.17E-05
PA-231	3.39E-09	3.39E-09
AC-227	4.15E-10	4.15E-10
U-234	1.09E-05	1.09E-05
TH-230	3.63E-10	3.63E-10
RA-226	7.62E-14	7.62E-14
PB-210	1.31E-16	1.31E-16

Source: 2

Nuclide	Receptor	Total
	1	
U-238	1.97E-06	1.97E-06
U-234	9.24E-12	9.24E-12
TH-230	1.60E-16	1.60E-16
RA-226	8.83E-21	8.83E-21
PB-210	3.01E-23	3.01E-23
U-235	2.12E-06	2.12E-06
PA-231	6.76E-10	6.76E-10
AC-227	8.27E-11	8.27E-11
U-234	2.18E-06	2.18E-06
TH-230	7.26E-11	7.26E-11
RA-226	5.83E-15	5.83E-15
PB-210	2.57E-17	2.57E-17

FUSRAP Five-Year Review Report for Operable Unit 1 (OU-1) and Operable Unit 8 (OU-8) Iowa Army Ammunition Plant

** RESRAD-BUILD Dose Program Output, Version 3.50 01/25/18 12:57:08 Page: 22 **
Title : IAAAP OU8 DU Structural DCLG Calcs
Input File : C:\RESRAD-BUILD User Files\IAAAPOU8_FS INPUTS.bld
Evaluation Time: 1.00000000 years

Source: 3

Nuclide	Receptor	Total
	1	
U-238	1.97E-06	1.97E-06
U-234	9.24E-12	9.24E-12
TH-230	1.60E-16	1.60E-16
RA-226	8.83E-21	8.83E-21
PB-210	3.01E-23	3.01E-23
U-235	2.12E-06	2.12E-06
PA-231	6.76E-10	6.76E-10
AC-227	8.27E-11	8.27E-11
U-234	2.18E-06	2.18E-06
TH-230	7.26E-11	7.26E-11
RA-226	5.83E-15	5.83E-15
PB-210	2.57E-17	2.57E-17

Source: 4

Nuclide	Receptor	Total
	1	
U-238	1.97E-06	1.97E-06
U-234	9.24E-12	9.24E-12
TH-230	1.60E-16	1.60E-16
RA-226	8.83E-21	8.83E-21
PB-210	3.01E-23	3.01E-23
U-235	2.12E-06	2.12E-06
PA-231	6.76E-10	6.76E-10
AC-227	8.27E-11	8.27E-11
U-234	2.18E-06	2.18E-06
TH-230	7.26E-11	7.26E-11
RA-226	5.83E-15	5.83E-15
PB-210	2.57E-17	2.57E-17

Source: 5

Nuclide	Receptor	Total
	1	
U-238	1.97E-06	1.97E-06
U-234	9.24E-12	9.24E-12
TH-230	1.60E-16	1.60E-16
RA-226	8.83E-21	8.83E-21

** RESRAD-BUILD Dose Program Output, Version 3.50 01/25/18 12:57:08 Page: 23 **

Title : IAAAP OU8 DU Structural DCLG Calcs

Input File : C:\RESRAD-BUILD User Files\IAAAPOU8_FS INPUTS.bld

Evaluation Time: 1.00000000 years

PB-210	3.01E-23	3.01E-23
U-235	2.12E-06	2.12E-06
PA-231	6.76E-10	6.76E-10
AC-227	8.27E-11	8.27E-11
U-234	2.18E-06	2.18E-06
TH-230	7.26E-11	7.26E-11
RA-226	5.83E-15	5.83E-15
PB-210	2.57E-17	2.57E-17

** RESRAD-BUILD Dose Program Output, Version 3.50 01/25/18 12:57:08 Page: 24 **
Title : IAAAP OU8 DU Structural DCLG Calcs
Input File : C:\RESRAD-BUILD User Files\IAAAPOU8_FS INPUTS.bld
Full Summary

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RESRAD-BUILD Dose (Time) Tables

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Receptor Dose Received for the Exposure Duration

=====

(mrem)

Evaluation Time [yr]

	0.00E+00	1.00E+00
1	5.77E-05	5.77E-05

Receptor Dose/Yr Averaged Over Exposure Duration

=====

(mrem/yr)

Evaluation Time [yr]

	0.00E+00	1.00E+00
1	5.77E-05	5.77E-05

ATTACHMENT E-2-2

Site Worker RESRAD-BUILD 3.5 Risk Output Report

(On the CD-ROM on the Back Cover of this Report)

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** RESRAD-BUILD Risk Program Output, Version 3.50 01/25/18 12:57:08 Page: 1 **
Title : IAAAP OU8 DU Structural DCLG Calcs
Input File : C:\RESRAD-BUILD User Files\IAAAPOU8_FS INPUTS.bld

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Risk by Nuclide Detail.....	21

** RESRAD-BUILD Risk Program Output, Version 3.50 01/25/18 12:57:08 Page: 2 **
 Title : IAAAP OU8 DU Structural DCLG Calcs
 Input File : C:\RESRAD-BUILD User Files\IAAAPOU8_FS INPUTS.bld

```

=====
=====
=====
RESRAD-BUILD Input Parameters
=====
=====
    
```

```

Number of Sources : 5
Number of Receptors: 1
Total Time : 3.650000E+02 days
Fraction Inside : 2.300000E-01
    
```

```

===== Receptor Information =====
    
```

Receptor	Room	x [m]	y [m]	z [m]	FracTime	Inhalation [m3/day]	Ingestion(Dust) [m2/hr]
1	1	5.000	5.000	1.000	1.000	3.36E+01	1.00E-04

```

===== Receptor-Source Shielding Relationship =====
    
```

Receptor	Source	Density [g/cm3]	Thickness [cm]	Material
1	1	2.40E+00	0.00E+00	Concrete
1	2	2.40E+00	0.00E+00	Concrete
1	3	2.40E+00	0.00E+00	Concrete
1	4	2.40E+00	0.00E+00	Concrete
1	5	2.40E+00	0.00E+00	Concrete

** RESRAD-BUILD Risk Program Output, Version 3.50 01/25/18 12:57:08 Page: 3 **
Title : IAAAP OU8 DU Structural DCLG Calcs
Input File : C:\RESRAD-BUILD User Files\IAAAPOU8_FS INPUTS.bld

==== Building Information ====

Building Air Exchange Rate: 8.00E-01 1/hr

Height[m]	Air Exchanges [m3/hr]	
Area [m2]	*****	
	*	*
	*	*
	*	<=Q01: 2.00E+02
H1: 2.500	* Room 1	* Q10 : 2.00E+02
	* LAMBDA: 8.00E-01	*
Area 100.000	*	*
	*	*

Deposition velocity: 1.00E-02 [m/s] Resuspension Rate: 5.00E-07 [1/s]

** RESRAD-BUILD Risk Program Output, Version 3.50 01/25/18 12:57:08 Page: 4 **
 Title : IAAAP OU8 DU Structural DCLG Calcs
 Input File : C:\RESRAD-BUILD User Files\IAAAPOU8_FS INPUTS.bld

==== Source Information =====

Source: 1
 Location:: Room : 1 x: 5.00 y: 5.00 z: 0.00[m]
 Geometry:: Type: Area Length[m]:1.00E+01 Width[m]:1.00E+01 Direction: z
 Pathway ::
 Direct Ingestion Rate: 0.000E+00 [1/hr]
 Fraction released to air: 7.000E-02
 Removable fraction: 2.000E-01
 Time to Remove: 1.000E+04 [day]

 Radon Release Fraction: 1.000E-01

Contamination::

	Nuclide Concentration	Slope Factor	
		Ingestion	Inhalation
	[pCi/m2]	[Risk/pCi]	[Risk/pCi]
U-238	1.000E+00	1.206E-10	2.363E-08
U-235	1.000E+00	9.764E-11	2.500E-08
U-234	1.000E+00	9.550E-11	2.780E-08
PA-231	0.000E+00	2.260E-10	7.620E-08
TH-230	0.000E+00	1.190E-10	3.400E-08
AC-227	0.000E+00	6.530E-10	2.129E-07
RA-226	0.000E+00	5.147E-10	2.827E-08
PB-210	0.000E+00	1.193E-09	1.625E-08

** RESRAD-BUILD Risk Program Output, Version 3.50 01/25/18 12:57:08 Page: 5 **
 Title : IAAAP OU8 DU Structural DCLG Calcs
 Input File : C:\RESRAD-BUILD User Files\IAAAPOU8_FS INPUTS.bld

Source: 2

Location:: Room : 1 x: 5.00 y: 10.00 z: 1.00[m]
 Geometry:: Type: Area Length[m]:1.00E+01 Width[m]:2.00E+00 Direction: y
 Pathway ::
 Direct Ingestion Rate: 0.000E+00 [1/hr]
 Fraction released to air: 7.000E-02
 Removable fraction: 2.000E-01
 Time to Remove: 1.000E+04 [day]
 Radon Release Fraction: 1.000E-01

Contamination::

Nuclide	Concentration [pCi/m2]	Slope Factor	
		Ingestion [Risk/pCi]	Inhalation [Risk/pCi]
U-238	1.000E+00	1.206E-10	2.363E-08
U-235	1.000E+00	9.764E-11	2.500E-08
U-234	1.000E+00	9.550E-11	2.780E-08
PA-231	0.000E+00	2.260E-10	7.620E-08
TH-230	0.000E+00	1.190E-10	3.400E-08
AC-227	0.000E+00	6.530E-10	2.129E-07
RA-226	0.000E+00	5.147E-10	2.827E-08
PB-210	0.000E+00	1.193E-09	1.625E-08

Source: 3

Location:: Room : 1 x: 10.00 y: 5.00 z: 1.00[m]
 Geometry:: Type: Area Length[m]:1.00E+01 Width[m]:2.00E+00 Direction: x
 Pathway ::
 Direct Ingestion Rate: 0.000E+00 [1/hr]
 Fraction released to air: 7.000E-02
 Removable fraction: 2.000E-01
 Time to Remove: 1.000E+04 [day]
 Radon Release Fraction: 1.000E-01

Contamination::

Nuclide	Concentration [pCi/m2]	Slope Factor	
		Ingestion [Risk/pCi]	Inhalation [Risk/pCi]
U-238	1.000E+00	1.206E-10	2.363E-08

FUSRAP Five-Year Review Report for Operable Unit 1 (OU-1) and Operable Unit 8 (OU-8) Iowa Army Ammunition Plant

** RESRAD-BUILD Risk Program Output, Version 3.50 01/25/18 12:57:08 Page: 6 **

Title : IAAAP OU8 DU Structural DCLG Calcs

Input File : C:\RESRAD-BUILD User Files\IAAAPOU8_FS INPUTS.bld

U-235	1.000E+00	9.764E-11	2.500E-08
U-234	1.000E+00	9.550E-11	2.780E-08
PA-231	0.000E+00	2.260E-10	7.620E-08
TH-230	0.000E+00	1.190E-10	3.400E-08
AC-227	0.000E+00	6.530E-10	2.129E-07
RA-226	0.000E+00	5.147E-10	2.827E-08
PB-210	0.000E+00	1.193E-09	1.625E-08

Source: 4

Location:: Room : 1 x: 0.00 y: 5.00 z: 1.00[m]
 Geometry:: Type: Area Length[m]:1.00E+01 Width[m]:2.00E+00 Direction: x
 Pathway ::
 Direct Ingestion Rate: 0.000E+00 [1/hr]
 Fraction released to air: 7.000E-02
 Removable fraction: 2.000E-01
 Time to Remove: 1.000E+04 [day]
 Radon Release Fraction: 1.000E-01

Contamination::

Nuclide	Concentration [pCi/m2]	Slope Factor	
		Ingestion [Risk/pCi]	Inhalation [Risk/pCi]
U-238	1.000E+00	1.206E-10	2.363E-08
U-235	1.000E+00	9.764E-11	2.500E-08
U-234	1.000E+00	9.550E-11	2.780E-08
PA-231	0.000E+00	2.260E-10	7.620E-08
TH-230	0.000E+00	1.190E-10	3.400E-08
AC-227	0.000E+00	6.530E-10	2.129E-07
RA-226	0.000E+00	5.147E-10	2.827E-08
PB-210	0.000E+00	1.193E-09	1.625E-08

** RESRAD-BUILD Risk Program Output, Version 3.50 01/25/18 12:57:08 Page: 7 **
Title : IAAAP OU8 DU Structural DCLG Calcs
Input File : C:\RESRAD-BUILD User Files\IAAAPOU8_FS INPUTS.bld

Source: 5

Location:: Room : 1 x: 5.00 y: 0.00 z: 1.00[m]
Geometry:: Type: Area Length[m]:1.00E+01 Width[m]:2.00E+00 Direction: y
Pathway ::
Direct Ingestion Rate: 0.000E+00 [1/hr]
Fraction released to air: 7.000E-02
Removable fraction: 2.000E-01
Time to Remove: 1.000E+04 [day]

Radon Release Fraction: 1.000E-01

Contamination::

	Nuclide Concentration	Slope Factor	
		Ingestion	Inhalation
	[pCi/m2]	[Risk/pCi]	[Risk/pCi]
U-238	1.000E+00	1.206E-10	2.363E-08
U-235	1.000E+00	9.764E-11	2.500E-08
U-234	1.000E+00	9.550E-11	2.780E-08
PA-231	0.000E+00	2.260E-10	7.620E-08
TH-230	0.000E+00	1.190E-10	3.400E-08
AC-227	0.000E+00	6.530E-10	2.129E-07
RA-226	0.000E+00	5.147E-10	2.827E-08
PB-210	0.000E+00	1.193E-09	1.625E-08

FUSRAP Five-Year Review Report for Operable Unit 1 (OU-1) and Operable Unit 8 (OU-8) Iowa Army Ammunition Plant

** RESRAD-BUILD Risk Program Output, Version 3.50 01/25/18 12:57:08 Page: 9 **

Title : IAAAP OU8 DU Structural DCLG Calcs
Input File : C:\RESRAD-BUILD User Files\IAAAPOU8_FS INPUTS.bld
Evaluation Time: 0.0000000E+00 years

PA-231	0.000E+00
TH-230	0.000E+00
AC-227	0.000E+00
RA-226	0.000E+00
PB-210	0.000E+00

Source: 3

Location:: Room : 1 x: 10.00 y: 5.00 z: 1.00 [m]
Geometry:: Type: Area Length[m]:1.00E+01 Width[m]:2.00E+00 Direction: x
Pathway ::
Direct Ingestion Rate: 0.000E+00 [1/hr]
Fraction released to air: 7.000E-02
Removable fraction: 2.000E-01
Time to Remove: 1.000E+04 [day]

Contamination::	Nuclide	Concentration [pCi/m2]
	U-238	1.000E+00
	U-235	1.000E+00
	U-234	1.000E+00
	PA-231	0.000E+00
	TH-230	0.000E+00
	AC-227	0.000E+00
	RA-226	0.000E+00
	PB-210	0.000E+00

Source: 4

Location:: Room : 1 x: 0.00 y: 5.00 z: 1.00 [m]
Geometry:: Type: Area Length[m]:1.00E+01 Width[m]:2.00E+00 Direction: x
Pathway ::
Direct Ingestion Rate: 0.000E+00 [1/hr]
Fraction released to air: 7.000E-02
Removable fraction: 2.000E-01
Time to Remove: 1.000E+04 [day]

Contamination::	Nuclide	Concentration [pCi/m2]
	U-238	1.000E+00
	U-235	1.000E+00
	U-234	1.000E+00
	PA-231	0.000E+00
	TH-230	0.000E+00
	AC-227	0.000E+00
	RA-226	0.000E+00
	PB-210	0.000E+00

** RESRAD-BUILD Risk Program Output, Version 3.50 01/25/18 12:57:08 Page: 10 **
Title : IAAAP OU8 DU Structural DCLG Calcs
Input File : C:\RESRAD-BUILD User Files\IAAAPOU8_FS INPUTS.bld
Evaluation Time: 0.00000000E+00 years

Source: 5

Location:: Room : 1 x: 5.00 y: 0.00 z: 1.00 [m]
Geometry:: Type: Area Length[m]:1.00E+01 Width[m]:2.00E+00 Direction: y
Pathway ::
Direct Ingestion Rate: 0.000E+00 [1/hr]
Fraction released to air: 7.000E-02
Removable fraction: 2.000E-01
Time to Remove: 1.000E+04 [day]

Contamination::	Nuclide	Concentration [pCi/m2]
	U-238	1.000E+00
	U-235	1.000E+00
	U-234	1.000E+00
	PA-231	0.000E+00
	TH-230	0.000E+00
	AC-227	0.000E+00
	RA-226	0.000E+00
	PB-210	0.000E+00

** RESRAD-BUILD Risk Program Output, Version 3.50 01/25/18 12:57:08 Page: 11 **
Title : IAAAP OU8 DU Structural DCLG Calcs
Input File : C:\RESRAD-BUILD User Files\IAAAPOU8_FS INPUTS.bld
Evaluation Time: 0.00000000E+00 years

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RESRAD-BUILD Risk Tables
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Source Contributions to Receptor Risks

[Risk]

	Source 1	Source 2	Source 3	Source 4	Source 5	Total
Receptor 1	7.66E-12	1.34E-12	1.34E-12	1.34E-12	1.34E-12	1.30E-11
Total	7.66E-12	1.34E-12	1.34E-12	1.34E-12	1.34E-12	1.30E-11

** RESRAD-BUILD Risk Program Output, Version 3.50 01/25/18 12:57:08 Page: 12 **
 Title : IAAAP OU8 DU Structural DCLG Calcs
 Input File : C:\RESRAD-BUILD User Files\IAAAPOU8_FS INPUTS.bld
 Evaluation Time: 0.00000000E+00 years

Pathway Detail of Risks

[Risk]

Source: 1

Receptor	External	Deposition	Immersion	Inhalation	Radon	Ingestion
1	1.33E-12	7.78E-16	5.15E-18	6.29E-12	2.07E-21	3.69E-14
Total	1.33E-12	7.78E-16	5.15E-18	6.29E-12	2.07E-21	3.69E-14

Source: 2

Receptor	External	Deposition	Immersion	Inhalation	Radon	Ingestion
1	7.50E-14	1.56E-16	1.03E-18	1.26E-12	4.15E-22	7.38E-15
Total	7.50E-14	1.56E-16	1.03E-18	1.26E-12	4.15E-22	7.38E-15

Source: 3

Receptor	External	Deposition	Immersion	Inhalation	Radon	Ingestion
1	7.50E-14	1.56E-16	1.03E-18	1.26E-12	4.15E-22	7.38E-15
Total	7.50E-14	1.56E-16	1.03E-18	1.26E-12	4.15E-22	7.38E-15

Source: 4

Receptor	External	Deposition	Immersion	Inhalation	Radon	Ingestion
1	7.50E-14	1.56E-16	1.03E-18	1.26E-12	4.15E-22	7.38E-15
Total	7.50E-14	1.56E-16	1.03E-18	1.26E-12	4.15E-22	7.38E-15

Source: 5

Receptor	External	Deposition	Immersion	Inhalation	Radon	Ingestion
1	7.50E-14	1.56E-16	1.03E-18	1.26E-12	4.15E-22	7.38E-15
Total	7.50E-14	1.56E-16	1.03E-18	1.26E-12	4.15E-22	7.38E-15

** RESRAD-BUILD Risk Program Output, Version 3.50 01/25/18 12:57:08 Page: 13 **
Title : IAAAP OU8 DU Structural DCLG Calcs
Input File : C:\RESRAD-BUILD User Files\IAAAPOU8_FS INPUTS.bld
Evaluation Time: 0.00000000E+00 years

Nuclide Detail of Risks

[Risk]

Source: 1

Nuclide	Receptor	Total
	1	
U-238	2.18E-12	2.18E-12
U-234	3.25E-18	3.25E-18
TH-230	1.19E-23	1.19E-23
RA-226	7.63E-27	7.63E-27
PB-210	4.16E-30	4.16E-30
U-235	3.17E-12	3.17E-12
PA-231	6.97E-17	6.97E-17
AC-227	2.16E-18	2.16E-18
U-234	2.30E-12	2.30E-12
TH-230	1.27E-17	1.27E-17
RA-226	1.08E-20	1.08E-20
PB-210	7.33E-24	7.33E-24

Source: 2

Nuclide	Receptor	Total
	1	
U-238	4.04E-13	4.04E-13
U-234	6.50E-19	6.50E-19
TH-230	2.38E-24	2.38E-24
RA-226	8.00E-28	8.00E-28
PB-210	0.00E+00	0.00E+00
U-235	4.76E-13	4.76E-13
PA-231	1.35E-17	1.35E-17
AC-227	3.93E-19	3.93E-19
U-234	4.60E-13	4.60E-13
TH-230	2.53E-18	2.53E-18
RA-226	1.13E-21	1.13E-21
PB-210	1.44E-24	1.44E-24

FUSRAP Five-Year Review Report for Operable Unit 1 (OU-1) and Operable Unit 8 (OU-8) Iowa Army Ammunition Plant

** RESRAD-BUILD Risk Program Output, Version 3.50 01/25/18 12:57:08 Page: 14 **
Title : IAAAP OU8 DU Structural DCLG Calcs
Input File : C:\RESRAD-BUILD User Files\IAAAPOU8_FS INPUTS.bld
Evaluation Time: 0.0000000E+00 years

Source: 3

Nuclide	Receptor	Total
	1	
U-238	4.04E-13	4.04E-13
U-234	6.50E-19	6.50E-19
TH-230	2.38E-24	2.38E-24
RA-226	8.00E-28	8.00E-28
PB-210	0.00E+00	0.00E+00
U-235	4.76E-13	4.76E-13
PA-231	1.35E-17	1.35E-17
AC-227	3.93E-19	3.93E-19
U-234	4.60E-13	4.60E-13
TH-230	2.53E-18	2.53E-18
RA-226	1.13E-21	1.13E-21
PB-210	1.44E-24	1.44E-24

Source: 4

Nuclide	Receptor	Total
	1	
U-238	4.04E-13	4.04E-13
U-234	6.50E-19	6.50E-19
TH-230	2.38E-24	2.38E-24
RA-226	8.00E-28	8.00E-28
PB-210	0.00E+00	0.00E+00
U-235	4.76E-13	4.76E-13
PA-231	1.35E-17	1.35E-17
AC-227	3.93E-19	3.93E-19
U-234	4.60E-13	4.60E-13
TH-230	2.53E-18	2.53E-18
RA-226	1.13E-21	1.13E-21
PB-210	1.44E-24	1.44E-24

Source: 5

Nuclide	Receptor	Total
	1	
U-238	4.04E-13	4.04E-13
U-234	6.50E-19	6.50E-19
TH-230	2.38E-24	2.38E-24
RA-226	8.00E-28	8.00E-28

** RESRAD-BUILD Risk Program Output, Version 3.50 01/25/18 12:57:08 Page: 15 **
Title : IAAAP OU8 DU Structural DCLG Calcs
Input File : C:\RESRAD-BUILD User Files\IAAAPOU8_FS INPUTS.bld
Evaluation Time: 0.00000000E+00 years

PB-210	0.00E+00	0.00E+00
U-235	4.76E-13	4.76E-13
PA-231	1.35E-17	1.35E-17
AC-227	3.93E-19	3.93E-19
U-234	4.60E-13	4.60E-13
TH-230	2.53E-18	2.53E-18
RA-226	1.13E-21	1.13E-21
PB-210	1.44E-24	1.44E-24

FUSRAP Five-Year Review Report for Operable Unit 1 (OU-1) and Operable Unit 8 (OU-8) Iowa Army Ammunition Plant

** RESRAD-BUILD Risk Program Output, Version 3.50 01/25/18 12:57:08 Page: 17 **
Title : IAAAP OU8 DU Structural DCLG Calcs
Input File : C:\RESRAD-BUILD User Files\IAAAPOU8_FS INPUTS.bld
Evaluation Time: 1.00000000 years

PA-231	2.098E-05
TH-230	8.936E-06
AC-227	3.300E-07
RA-226	1.935E-09
PB-210	1.990E-11

Source: 3

Location:: Room : 1 x: 10.00 y: 5.00 z: 1.00 [m]
Geometry:: Type: Area Length[m]:1.00E+01 Width[m]:2.00E+00 Direction: x
Pathway ::
Direct Ingestion Rate: 0.000E+00 [1/hr]
Fraction released to air: 7.000E-02
Removable fraction: 1.941E-01
Time to Remove: 1.000E+04 [day]

Contamination::	Nuclide	Concentration
		[pCi/m2]
	U-238	9.927E-01
	U-235	9.927E-01
	U-234	9.927E-01
	PA-231	2.098E-05
	TH-230	8.936E-06
	AC-227	3.300E-07
	RA-226	1.935E-09
	PB-210	1.990E-11

Source: 4

Location:: Room : 1 x: 0.00 y: 5.00 z: 1.00 [m]
Geometry:: Type: Area Length[m]:1.00E+01 Width[m]:2.00E+00 Direction: x
Pathway ::
Direct Ingestion Rate: 0.000E+00 [1/hr]
Fraction released to air: 7.000E-02
Removable fraction: 1.941E-01
Time to Remove: 1.000E+04 [day]

Contamination::	Nuclide	Concentration
		[pCi/m2]
	U-238	9.927E-01
	U-235	9.927E-01
	U-234	9.927E-01
	PA-231	2.098E-05
	TH-230	8.936E-06
	AC-227	3.300E-07
	RA-226	1.935E-09
	PB-210	1.990E-11

** RESRAD-BUILD Risk Program Output, Version 3.50 01/25/18 12:57:08 Page: 18 **
Title : IAAAP OU8 DU Structural DCLG Calcs
Input File : C:\RESRAD-BUILD User Files\IAAAPOU8_FS INPUTS.bld
Evaluation Time: 1.00000000 years

Source: 5

Location:: Room : 1 x: 5.00 y: 0.00 z: 1.00 [m]
Geometry:: Type: Area Length[m]:1.00E+01 Width[m]:2.00E+00 Direction: y
Pathway ::
Direct Ingestion Rate: 0.000E+00 [1/hr]
Fraction released to air: 7.000E-02
Removable fraction: 1.941E-01
Time to Remove: 1.000E+04 [day]

Contamination::	Nuclide	Concentration [pCi/m2]
	U-238	9.927E-01
	U-235	9.927E-01
	U-234	9.927E-01
	PA-231	2.098E-05
	TH-230	8.936E-06
	AC-227	3.300E-07
	RA-226	1.935E-09
	PB-210	1.990E-11

** RESRAD-BUILD Risk Program Output, Version 3.50 01/25/18 12:57:08 Page: 19 **
Title : IAAAP OU8 DU Structural DCLG Calcs
Input File : C:\RESRAD-BUILD User Files\IAAAPOU8_FS INPUTS.bld
Evaluation Time: 1.00000000 years

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RESRAD-BUILD Risk Tables
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Source Contributions to Receptor Risks

[Risk]

	Source 1	Source 2	Source 3	Source 4	Source 5	Total
Receptor 1	7.65E-12	1.34E-12	1.34E-12	1.34E-12	1.34E-12	1.30E-11
Total	7.65E-12	1.34E-12	1.34E-12	1.34E-12	1.34E-12	1.30E-11

** RESRAD-BUILD Risk Program Output, Version 3.50 01/25/18 12:57:08 Page: 20 **
 Title : IAAAP OU8 DU Structural DCLG Calcs
 Input File : C:\RESRAD-BUILD User Files\IAAAPOU8_FS INPUTS.bld
 Evaluation Time: 1.00000000 years

Pathway Detail of Risks

[Risk]

Source: 1						
Receptor	External	Deposition	Immersion	Inhalation	Radon	Ingestion
1	1.32E-12	7.78E-16	5.15E-18	6.29E-12	1.44E-20	3.69E-14
Total	1.32E-12	7.78E-16	5.15E-18	6.29E-12	1.44E-20	3.69E-14

Source: 2						
Receptor	External	Deposition	Immersion	Inhalation	Radon	Ingestion
1	7.44E-14	1.56E-16	1.03E-18	1.26E-12	2.89E-21	7.38E-15
Total	7.44E-14	1.56E-16	1.03E-18	1.26E-12	2.89E-21	7.38E-15

Source: 3						
Receptor	External	Deposition	Immersion	Inhalation	Radon	Ingestion
1	7.44E-14	1.56E-16	1.03E-18	1.26E-12	2.89E-21	7.38E-15
Total	7.44E-14	1.56E-16	1.03E-18	1.26E-12	2.89E-21	7.38E-15

Source: 4						
Receptor	External	Deposition	Immersion	Inhalation	Radon	Ingestion
1	7.44E-14	1.56E-16	1.03E-18	1.26E-12	2.89E-21	7.38E-15
Total	7.44E-14	1.56E-16	1.03E-18	1.26E-12	2.89E-21	7.38E-15

Source: 5						
Receptor	External	Deposition	Immersion	Inhalation	Radon	Ingestion
1	7.44E-14	1.56E-16	1.03E-18	1.26E-12	2.89E-21	7.38E-15
Total	7.44E-14	1.56E-16	1.03E-18	1.26E-12	2.89E-21	7.38E-15

** RESRAD-BUILD Risk Program Output, Version 3.50 01/25/18 12:57:08 Page: 21 **
Title : IAAAP OU8 DU Structural DCLG Calcs
Input File : C:\RESRAD-BUILD User Files\IAAAPOU8_FS INPUTS.bld
Evaluation Time: 1.00000000 years

Nuclide Detail of Risks

[Risk]

Source: 1

Nuclide	Receptor	Total
	1	
U-238	2.18E-12	2.18E-12
U-234	9.77E-18	9.77E-18
TH-230	8.37E-23	8.37E-23
RA-226	1.14E-25	1.14E-25
PB-210	1.28E-28	1.28E-28
U-235	3.16E-12	3.16E-12
PA-231	2.09E-16	2.09E-16
AC-227	1.50E-17	1.50E-17
U-234	2.30E-12	2.30E-12
TH-230	3.81E-17	3.81E-17
RA-226	7.52E-20	7.52E-20
PB-210	1.09E-22	1.09E-22

Source: 2

Nuclide	Receptor	Total
	1	
U-238	4.04E-13	4.04E-13
U-234	1.95E-18	1.95E-18
TH-230	1.67E-23	1.67E-23
RA-226	1.20E-26	1.20E-26
PB-210	2.51E-29	2.51E-29
U-235	4.75E-13	4.75E-13
PA-231	4.04E-17	4.04E-17
AC-227	2.73E-18	2.73E-18
U-234	4.60E-13	4.60E-13
TH-230	7.60E-18	7.60E-18
RA-226	7.90E-21	7.90E-21
PB-210	2.15E-23	2.15E-23

FUSRAP Five-Year Review Report for Operable Unit 1 (OU-1) and Operable Unit 8 (OU-8) Iowa Army Ammunition Plant

** RESRAD-BUILD Risk Program Output, Version 3.50 01/25/18 12:57:08 Page: 22 **
Title : IAAAP OU8 DU Structural DCLG Calcs
Input File : C:\RESRAD-BUILD User Files\IAAAPOU8_FS INPUTS.bld
Evaluation Time: 1.00000000 years

Source: 3

Nuclide	Receptor	Total
	1	
U-238	4.04E-13	4.04E-13
U-234	1.95E-18	1.95E-18
TH-230	1.67E-23	1.67E-23
RA-226	1.20E-26	1.20E-26
PB-210	2.51E-29	2.51E-29
U-235	4.75E-13	4.75E-13
PA-231	4.04E-17	4.04E-17
AC-227	2.73E-18	2.73E-18
U-234	4.60E-13	4.60E-13
TH-230	7.60E-18	7.60E-18
RA-226	7.90E-21	7.90E-21
PB-210	2.15E-23	2.15E-23

Source: 4

Nuclide	Receptor	Total
	1	
U-238	4.04E-13	4.04E-13
U-234	1.95E-18	1.95E-18
TH-230	1.67E-23	1.67E-23
RA-226	1.20E-26	1.20E-26
PB-210	2.51E-29	2.51E-29
U-235	4.75E-13	4.75E-13
PA-231	4.04E-17	4.04E-17
AC-227	2.73E-18	2.73E-18
U-234	4.60E-13	4.60E-13
TH-230	7.60E-18	7.60E-18
RA-226	7.90E-21	7.90E-21
PB-210	2.15E-23	2.15E-23

Source: 5

Nuclide	Receptor	Total
	1	
U-238	4.04E-13	4.04E-13
U-234	1.95E-18	1.95E-18
TH-230	1.67E-23	1.67E-23
RA-226	1.20E-26	1.20E-26

** RESRAD-BUILD Risk Program Output, Version 3.50 01/25/18 12:57:08 Page: 23 **
Title : IAAAP OU8 DU Structural DCLG Calcs
Input File : C:\RESRAD-BUILD User Files\IAAAPOU8_FS INPUTS.bld
Evaluation Time: 1.00000000 years

PB-210	2.51E-29	2.51E-29
U-235	4.75E-13	4.75E-13
PA-231	4.04E-17	4.04E-17
AC-227	2.73E-18	2.73E-18
U-234	4.60E-13	4.60E-13
TH-230	7.60E-18	7.60E-18
RA-226	7.90E-21	7.90E-21
PB-210	2.15E-23	2.15E-23

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APPENDIX F
FIVE-YEAR REVIEW SITE INSPECTIONS

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SITE INSPECTIONS

GENERAL SITE INFORMATION

Site Name: IAAAP

Location and Region: Middletown, Iowa; USEPA Region 7

USEPA ID: IA7213820445

Agency Leading the Five-Year Review: USACE St. Louis District

Weather/Temperature: Overcast/upper range of 30 °F.

Table F-1. Site Inspection Team Roster

Name	Agency	Title
Michael L. Kessler	USACE St. Louis District	FUSRAP IAAAP Project Manager
Jon Rankins	USACE St. Louis District	FUSRAP Health Physicist
Greg Rakers	USACE St. Louis District	FUSRAP Safety
Lou Pattan	USACE St. Louis District	FUSRAP Contracting Officer's Representative
David Rose	USACE St. Louis District	FUSRAP UXO/Construction Quality Assurance
Danny O'Connor	USEPA Region 7	Remedial Project Manager
Daniel Cook	IDNR	Environmental Specialist
Matthew Bange	Leidos	Environmental Engineer

OU-1: LINE 1 EXCAVATION AREAS NEAR BUILDING 1-70

The remedy for Line 1 includes soil remediation and LUCs. The remedy is designed to prevent ingestion and direct contact with soil containing COCs at levels exceeding a 10E-6 carcinogenic risk or a non-carcinogenic HI of 1 based on the reasonable maximum exposure as determined in the BRA (JAYCOR 1996). Additionally, soil removal would prevent migration of COCs in contaminated soil with the potential to contaminate on-site ground water.

Potential ecological risks from contaminated soil at the IAAAP areas were assessed, and soil removal actions were also taken to abate unacceptable ecological risks as necessary. During remedial actions, explosives-contaminated soil was excavated adjacent to Building 1-70 as part of excavation area EU9B-B; however, soil excavation was not completed due to the presence of a filter bed and Building 1-70.

Access to Line 1 required passage through a dedicated security checkpoint. The roads from the security checkpoint to the site were adequate and well maintained. The fencing was in good shape. No signs of vandalism or trespassing were observed. The areas around Building 1-70 and the filter bed were well-vegetated with no evidence of settlement, holes, or erosion. The field team concluded implementation of the remedy was not yet effective pending removal of additional soil.

Site Map



Building 1-70

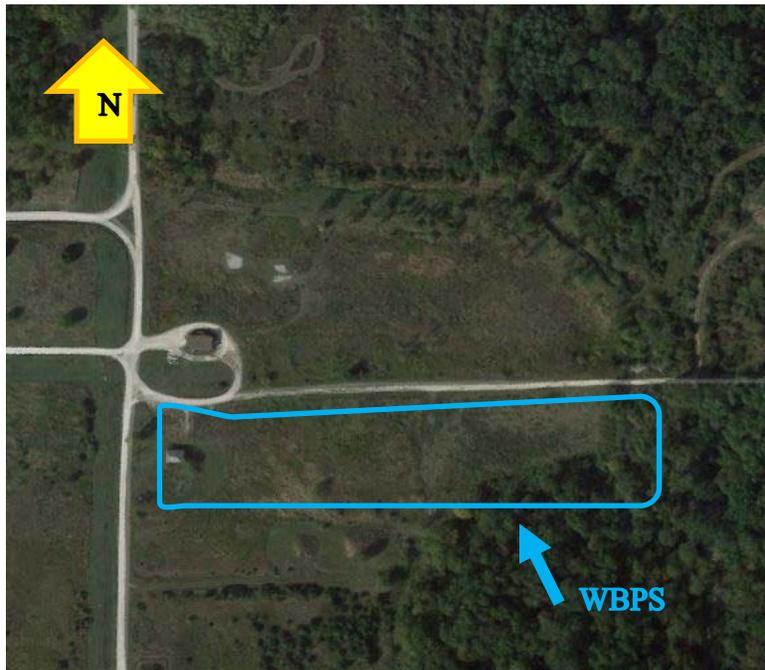
OU-1: WEST BURN PADS AREA SOUTH OF THE ROAD

The remedy at the WBPS includes soil remediation and LUCs. The remedy is designed to prevent ingestion and direct contact with soil containing COCs at levels exceeding a $10E-6$ carcinogenic risk or a non-carcinogenic HI of 1 based on the reasonable maximum exposure as determined in the BRA (JAYCOR 1996). Additionally, soil removal would prevent migration of COCs in contaminated soils with the potential to contaminate on-site ground water.

Potential ecological risks from contaminated soil at the IAAAP areas were assessed, and soil removal actions were also taken to abate unacceptable ecological risks as necessary. The majority of the soil excavated at the WBPS was barium-contaminated soil or explosives-contaminated soil. Only a small area was remediated due to lead contamination. No inaccessible soil areas remain at the WBPS.

The roads providing access to the WBPS were adequate and well maintained. The areas excavated were well-vegetated with no evidence of settlement, holes, or erosion. The field team concluded implementation of the remedy was effective.

Site Map



West Burn Pads Area South of the Road

OU-8: FIRING SITES AREA – FIRING SITE 12 AREA

The remedy for the FSA includes remediation of DU-contaminated soil and LUCs. The remedy is designed to prevent exposures to DU isotopes in soil that could otherwise result in cumulative carcinogenic risk exceeding $10E-4$ and radiological doses exceeding 25 mrem per year for receptors under an industrial land use scenario.

The remedy for the FSA includes excavation of surface and subsurface soil for soil concentrations exceeding the industrial RG for DU. Physical treatment technologies (i.e., soil sorting) are used to reduce the volume of soil requiring off-site disposal. Soil exceeding the industrial RG is disposed of by transfer to a properly permitted off-site disposal facility. Below-grade structural surfaces exposed during soil excavation at the FSA would also be surveyed for the presence of DU-contaminated soil. If DU-contaminated soil is found adhered to these surfaces, the structural surface would be decontaminated. If the structural surface cannot be decontaminated, the surface would be sealed and abandoned with LUCs or demolished and removed without replacement. Continued industrial land use would be supported by use restrictions and outgrants administered by the USACE as part of its land management responsibilities.

Access to the FSA required signing a daily access/security log and then passing through a chain-link gate near Building FS-1. The road from the gate to the FS-12 area is gravel and well maintained. No signs of vandalism or trespassing at the site were observed. Excavation and site drainage plans are available and current. The site safety plan is also available and current. Personnel are required to wear the appropriate personal protective equipment when excavation is ongoing.

In the previously excavated areas northeast and east of the FS-12 bunker, the land was backfilled. In the excavated areas north of the FS-12 bunker, soil is stockpiled for later use. In the areas northwest of and extending counterclockwise to the south of the FS-12 bunker, excavation was in progress. Silt fencing and earthen berms are used to slow and contain sediment and thus minimize erosion in all areas without re-established vegetation. These drainage controls are in satisfactory condition. The areas in which personnel could be exposed to radiological hazards are clearly marked.

The soil sorter equipment is currently stored in an area southwest of the FS-12 bunker. A stockpile of DU-contaminated soil awaiting shipment was located nearby. The stockpile was suitably covered.

The field team concluded implementation of the remedy was effective in those areas that had been remediated, either by hand or mechanical means, and verified. The remedy, however, was not yet effective in those areas that still require remediation.

Site Map



Firing Site 12 Area

OU-8: M-YARD

The field team also inspected the “M-Yard.” The M-Yard, which did not require remediation, is the location from which DU-contaminated soil is loaded onto rail cars for transportation to a properly permitted off-site disposal facility. The location is active only during loading operations. The road, loading ramp, and containment berm were well maintained. No signs of vandalism or trespassing at the site were observed.

Site Map



M-Yard

APPENDIX G

COMMUNITY INTERVIEWS

(On the CD-ROM on the Back Cover of this Report)

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LIST OF INDIVIDUALS INTERVIEWED (NAME/AFFILIATION)

Hans Trousil – Mayor City of West Burlington, RAB member
Sandeep Mehta – USEPA Region 7, Former RAB member
Shane Dupree – Test Fire Range Manager, American Ordnance
Steven J. Bellrichard – Chief, Operations Support Division, IAAAP
Vaughn Moore – Former Army Security, IAAAP, RAB member
Jennifer Busard – Environmental Restoration Manager, IAAAP
Randy Doyle – Environmental Coordinator, IAAAP
Robert Haines – Retired IAAAP Chief of Installation Management, RAB member
Stuart Schmitz – State Toxicologist, Iowa Department of Public Health
Bruce Workman – Battalion (Fire) Chief, RAB member
David Rose – Firing Sites UXO/Safety/QA Representative, USACE St. Louis District
Gary Mecham, PE – Firing Site General Manager, North Wind LLC
Matthew Bange, PE – Environmental Engineer, Leidos
Milton “Butch” Hicks – Fire Marshal, IAAAP
Steven Vaughn – Senior Project Manager, FUSRAP, USACE St. Louis District
William Parks – Site Health & Safety Officer, North Wind LLC
Daniel Cook – Iowa Department of Natural Resources, RAB member
Daniel O’Connor – Remediation Project Manager, USEPA
Eric Danielson, PMP – Program Manager Environmental Restoration Division, Leidos
Saige Ballock-Dixon, PE, PMP – Engineer IV, North Wind LLC

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INTERVIEW RECORD		
Site name: Iowa Army Ammunition Plant		EPA ID No.:
Subject: Five-Year Review, IAAAP OU-1 and OU-8		Time: 10:12 a.m.
Date: 5/21/2018		
Type: <input type="checkbox"/> Telephone <input type="checkbox"/> Visit <input checked="" type="checkbox"/> Email		<input checked="" type="checkbox"/> Incoming <input type="checkbox"/> Outgoing
Location of visit: FUSRAP Project Office, Berkeley, MO		Response to phone and email.
Contact made by:		
Name: Andrea Wales	Title: Public Affairs Spec	Organization: MVSFUSRAP
Individual contacted:		
Name: Hans Trousil	Title: Mayor, Restoration Advisory Board Member	Organization: City of West Burlington
Summary of conversation (Group 1 questions)		
<p>1. What is your overall impression of the project? (General sentiment.) A. I think the overall project of restoring the IAAAP grounds and cleanup has been going very well. Having to deal with the different agencies that are involved can at times cause delays, and that is sometimes frustrating. For example, before an actual investigation can be done, a study has to be done to determine that an investigation is warranted. To the general public, this is hard to accept because we would like to move things along more expediently.</p> <p>2. What effects have site operations had on the surrounding community? A. Other than the General Contractor, Army Staff and the RAB (Restoration Advisory Board), the public really has no knowledge of what FUSRAP is involved in.</p> <p>3. Are you aware of any community concerns regarding the site or its operation and administration? If so, give details. A. Not aware of any.</p> <p>4. Are you aware of any events, incidents or activities at the site, such as vandalism, trespassing or emergency responses from local authorities? If so, give details. A. No.</p> <p>5. Do you feel well-informed about the site's activities and progress? A. Yes, FUSRAP always gives a report at the RAB meeting.</p> <p>6. Do you have any comments, suggestions or recommendations regarding the site's management or operation? A. I believe the site is managed very well with competent staff.</p>		

INTERVIEW RECORD		
Site name: Iowa Army Ammunition Plant		EPA ID No.:
Subject: Five-Year Review, IAAAP OU-1 and OU-8		Time: 12:27 p.m.
Date: 6/1/2018		
Type: <input checked="" type="checkbox"/> Telephone <input type="checkbox"/> Visit <input type="checkbox"/> Other		<input type="checkbox"/> Incoming <input checked="" type="checkbox"/> Outgoing
Location of visit: FUSRAP Project Office, Berkeley, MO		
Contact made by:		
Name: Andrea Wales	Title: Public Affairs Spec	Organization: MVSFUSRAP
Individual contacted:		
Name: Sandeep Mehta	Title: Former Restoration Advisory Board Member	Organization: U.S. Environmental Protection Agency
Summary of conversation (Group 1 questions)		
<p>1. What is your overall impression of the project? (General sentiment.) A. Specific to FUSRAP, the project doing relatively well but could do better still.</p> <p>2. What effects have site operations had on the surrounding community? A. Cleanup-wise operations have helped community, but also the movement related to disposing the contaminated material is creating a concern for the community because of the unknown impacts of moving the contaminated material through the area. It would help people to have more educational background outside of the RAB (Restoration Advisory Board). Move through the railcars is done really well to make sure there's no airborne transport.</p> <p>3. Are you aware of any community concerns regarding the site or its operation and administration? If so, give details. A. Cleanup-wise operations have helped community, but also the movement related to disposing the contaminated material is creating a concern for the community because of the unknown impacts of moving the contaminated material through the area. It would help people to have more educational background outside of the RAB (Restoration Advisory Board). Move through the railcars is done really well to make sure there's no airborne transport. It's just not airborne you must be concerned about; you don't know who it will impact when you move things through the area.</p> <p>4. Are you aware of any events, incidents or activities at the site, such as vandalism, trespassing or emergency responses from local authorities? If so, give details. A. None that I know of.</p>		

5. Do you feel well-informed about the site's activities and progress?

A. Historically, there's not been a great sharing of information. Monthly reports changing to quarterly updates only. FFA (Federal Facilities Agreement) doesn't require monthly but does require quarterly, but I had requested -- and FUSRAP was providing to a certain extent -- monthly updates. However, FUSRAP went back to what was required in the FFA. Photographs of ongoing active work with heads-up on what is being planned would be beneficial. Budgeting of the out years is really a problem. There's never been known information available related to out-years planning for the following year or years.

6. Do you have any comments, suggestions or recommendations regarding the site's management or operation?

A. Monthly reports and information on out-years planning would be of benefit.

INTERVIEW RECORD		
Site name: Iowa Army Ammunition Plant		EPA ID No.:
Subject: Five-Year Review, FUSRAP IAAAP OU-1 and OU-8		Time: 9:57 a.m.
Type: <input type="checkbox"/> Telephone <input type="checkbox"/> Visit <input checked="" type="checkbox"/> Email		Date: 5/17/2018
Location of visit: FUSRAP Project Office, Berkeley, MO		<input checked="" type="checkbox"/> Incoming <input type="checkbox"/> Outgoing Response to phone and email.
Contact made by:		
Name: Mike Kessler	Title: Project Manager	Organization: MVSFUSRAP
Individual contacted:		
Name: Shane Dupree	Title: Test Fire Range Manager	Organization: American Ordnance
Summary of conversation (Group 1 questions)		
<p>1. What is your overall impression of the project? (General sentiment.) A. From my perspective, it seems like a lot has been accomplished since the project began. It appears to be a well-organized effort.</p> <p>2. What effects have site operations had on the surrounding community? A. I am not aware of any effect on the surrounding community. We are at an isolated location so there is little to no interaction with the local community.</p> <p>3. Are you aware of any community concerns regarding the site or its operation and administration? If so, give details. A. I am not aware of any concerns at this time.</p> <p>4. Are you aware of any events, incidents or activities at the site, such as vandalism, trespassing or emergency responses from local authorities? If so, give details. A. I am not aware of any such incidents taking place.</p> <p>5. Do you feel well-informed about the site's activities and progress? A. Your Corps personnel do an excellent job of communicating with me, keeping me informed of the status of operations, etc. This makes coordination of our testing schedules and your project schedules possible with minimal conflict. I feel that we have been able to work together well due to this level of communication.</p> <p>6. Do you have any comments, suggestions or recommendations regarding the site's management or operation? A. Over the years that this project has covered, two of your personnel, David Rose and Phillip Couch, have distinguished themselves with their commitment to creating a safe work environment and ensuring that everyone on the site follows all procedures, while also taking actions to keep the project on schedule. They have been a pleasure to work with, and their efforts have made the efficient coexistence of our two operations possible.</p>		

INTERVIEW RECORD		
Site name: Iowa Army Ammunition Plant		EPA ID No.:
Subject: Five-Year Review, FUSRAP IAAAP OU-1 and OU-8		Time: 4:00 p.m.
Type: <input checked="" type="checkbox"/> Telephone <input type="checkbox"/> Visit <input type="checkbox"/> Email		Date: 5/9/2018
Location of visit: FUSRAP Project Office, Berkeley, MO		<input type="checkbox"/> Incoming <input checked="" type="checkbox"/> Outgoing Response to phone and email.
Contact made by:		
Name: Mike Kessler	Title: Project Manager	Organization: MVSFUSRAP
Individual contacted:		
Name: Steven J. Bellrichard	Title: Chief, Operations Support Division	Organization: Iowa Army Ammunition Plant
Summary of conversation (Group 1 questions)		
<p>1. What is your overall impression of the project? (General sentiment.) A. The FUSRAP Federal Facilities Agreement is superior in that USACE is the lead with the U.S. Environmental Protection Agency (EPA) as partners. I'm very satisfied with FUSRAP's performance at IAAAP. Munitions load, assemble, pack (LAP) is our No. 1 priority and then remediation, yet FUSRAP is doing a good job working well with others (both now as Chief of the Operations Support Division and previously as the Restoration Manager). Furthermore, the relationship has improved with age.</p> <p>2. What effects have site operations had on the surrounding community? A. I see no negative effects; only positive effects for the Army community and American Ordnance (AO). The work FUSRAP is doing will allow for reuse of facilities once the OU-1 and OU-8 sites are cleaned up. For example, Building 1-11, which had the contaminated grate that FUSRAP removed, can now be used by American Ordnance. Another example is FUSRAP assisting our operating contractor with unexploded ordnance and radiological support in the repairs to the bridge to FS-12. As for the outside community, I give you Lake Mathes. Sampling doesn't warrant going into the lake, but the outside community thinks FUSRAP should. Army is now doing it, but this may not satisfy all former IAAAP employees. This is a worker health issue that's not from FUSRAP, but, rather, from prior Atomic Energy Commission (AEC) operations.</p> <p>3. Are you aware of any community concerns regarding the site or its operation and administration? If so, give details. A. Not for FUSRAP operations, only former AEC operations.</p> <p>4. Are you aware of any events, incidents or activities at the site, such as vandalism, trespassing or emergency responses from local authorities? If so, give details. A. No. Small melts overheated at Line 3 and lit the grass on fire. This was about 10 years ago and was the result of AO's mission, not FUSRAP or AEC operations.</p> <p>5. Do you feel well-informed about the site's activities and progress? A. Of course. There are very good communications.</p>		

6. Do you have any comments, suggestions or recommendations regarding the site's management or operation?

A. Yes. IAAAP allowed FUSRAP to use the OU-1 ROD for soil cleanup. This has led to complications with respect to the Five Year Reviews and Land Use Controls. IAAAP is now doing demo at Line 1 and writing a draft Explanation of Significant Differences (ESD) for OU-1. My desire would be for Army to be responsible for all OU-1 soils except for those at FS-12 and to implement the necessary Land Use Controls (there should only be one.) This will require getting concurrence from EPA to move all Five Year Reviews for all OUs (e.g. OU-1) to Army. Only OU-8 would remain with FUSRAP. The sampling around buildings has been OK, but what about straight down (below the building like at the laundry)? After a building comes out (of Line 1), FUSRAP should be responsible for sampling, etc., but when FUSRAP is done at FS-12 and then monitored for two additional years, the Army should take control of the Five Year Review. I don't know what the decision document would look like, but, in the end, this would be simpler and less costly. It makes sense. Right now, we have too many people doing too many things.

INTERVIEW RECORD		
Site name: Iowa Army Ammunition Plant		EPA ID No.:
Subject: Five-Year Review, FUSRAP IAAAP OU-1 and OU-8		Time: 1:00 p.m.
		Date: 5/9/2018
Type: <input checked="" type="checkbox"/> Telephone <input type="checkbox"/> Visit <input type="checkbox"/> Email		<input type="checkbox"/> Incoming <input checked="" type="checkbox"/> Outgoing
Location of visit: FUSRAP Project Office, Berkeley, MO		Response to phone and email.
Contact made by:		
Name: Mike Kessler	Title: Project Manager	Organization: MVSFUSRAP
Individual contacted:		
Name: Vaughn Moore	Title: Former Army security, Iowa Army Ammunition Plant	Organization: Restoration Advisory Board
Summary of conversation (Group 1 questions)		
<p>1. What is your overall impression of the project? (General sentiment.)</p> <p>A. I'm not happy because the cleanup of depleted uranium (DU) contamination should not be limited to just the Firing Sites Area (FSA). Based on my knowledge of the testing, I believe DU fragments would be found under the Inert Disposal Area (IDA) (former Army burning field), at Line 3A a half-mile away and elsewhere. However, the work that FUSRAP is doing to clean up the contamination at the FSA is fine. The same goes for the contamination in the soils. Line 1 always had a high water table, and the water on the surface from Line 1 runs south into Brush Creek. When the power would go out, the machinery installed to clean up the RDX would not work, and the water overflowed onto the ground and then leached into the field. The plant was designed and built for materials to run out the creek so it's everywhere. No matter how much money is spent, it's not going to get cleaned up. There are always going to be spots at IAAAP causing contamination.</p> <p>2. What effects have site operations had on the surrounding community?</p> <p>A. Site operations have had no effects because the community is not aware of FUSRAP's remedial action efforts. No one ever goes to the RAB meetings anymore so no one knows about the cleanup. There used to be hundreds of people who were concerned about the health issues at the RAB meetings, but now there are zero. These were people that worked for the government or at the plant, but few if any from the general public would show up. It used to be in the "<i>Hawk Eye Happenings</i>" section of the Hawk Eye newspaper, but it's not in the newspapers anymore. It's not on the radio either.</p> <p>3. Are you aware of any community concerns regarding the site or its operation and administration? If so, give details.</p> <p>A. There are health concerns for those who worked in the plant; however, the general community doesn't know of any health concerns because the information is not released by the Army or IAAAP.</p>		

4. Are you aware of any events, incidents or activities at the site, such as vandalism, trespassing or emergency responses from local authorities? If so, give details.
A. A Line 3 melt blew and caught fire. The IAAAP fire and police responded, but the West Burlington and Burlington fire departments also got involved due to their mutual aid assistance agreement with IAAAP. Otherwise none.
5. Do you feel well-informed about the site's activities and progress?
A. Just from the RAB meetings. I'm OK with the presentations provided.
6. Do you have any comments, suggestions or recommendations regarding the site's management or operation?
A. Management and operation is covered by Army now; therefore, there's not much that can be done. When it used to be a joint facility, Atomic Energy Commission and Army, they could augment each other.

INTERVIEW RECORD		
Site name: Iowa Army Ammunition Plant		EPA ID No.:
Subject: Five-Year Review, IAAAP OU-1 and OU-8		Time: 9:13 a.m.
Date: 6/6/2018		
Type: <input type="checkbox"/> Telephone <input type="checkbox"/> Visit <input checked="" type="checkbox"/> Email		<input checked="" type="checkbox"/> Incoming <input type="checkbox"/> Outgoing
Location of visit: FUSRAP Project Office, Berkeley, MO		Response to phone and email.
Contact made by:		
Name: Michael L. Kessler	Title: IAAAP Project Mgr	Organization: MVSFUSRAP
Individual contacted:		
Name: Jen Busard	Title: Environmental Restoration Manager	Organization: IAAAP
Summary of conversation (Group 2 questions)		
<p>1. What is your overall impression of the project? (General sentiment.) A. It's a slow process, but seems to be making progress.</p> <p>2. Have there been routine communications or activities (site visits, inspections, reporting activities, etc.) conducted by your office regarding the site? If so, give purpose and results. A. Yes, communication has been great, especially when informing the public at the Restoration Advisory Board (RAB) meetings.</p> <p>3. Have there been any complaints, violations or other incidents related to the site requiring a response by your office? If so, give details of the events and results of the responses. A. Only one that I know of from a sub-contractor last summer.</p> <p>4. Do you feel well-informed about the site's activities and progress? A. Yes, communication is strong.</p> <p>5. Do you have any comments, suggestions or recommendations regarding the site's management or operation? A. I feel well informed.</p> <p>6. Is the use of Land Use Controls consistent with the Remedy? A. Yes.</p>		

INTERVIEW RECORD		
Site name: Iowa Army Ammunition Plant		EPA ID No.:
Subject: Five-Year Review, IAAAP OU-1 and OU-8		Time: 6:47 a.m.
		Date: 5/14/2018
Type: <input type="checkbox"/> Telephone <input type="checkbox"/> Visit <input checked="" type="checkbox"/> Email		<input checked="" type="checkbox"/> Incoming <input type="checkbox"/> Outgoing
Location of visit: FUSRAP Project Office, Berkeley, MO		Response to phone and email.
Contact made by:		
Name: Andrea Wales	Title: Public Affairs Spec	Organization: MVSFUSRAP
Individual contacted:		
Name: Randy Doyle	Title: Environmental Coordinator	Organization: IAAAP
Summary of conversation (Group 2 questions)		
<p>1. What is your overall impression of the project? (General sentiment.) A. Seems we are finally making progress. I enjoy the transparency and public involvement.</p> <p>2. Have there been routine communications or activities (site visits, inspections, reporting activities, etc.) conducted by your office regarding the site? If so, give purpose and results. A. As the environmental coordinator, I receive routine communications from the restoration manager. I coordinate with her directly reference the IAAAP Building Demo Project.</p> <p>3. Have there been any complaints, violations or other incidents related to the site requiring a response by your office? If so, give details of the events and results of the responses. A. None.</p> <p>4. Do you feel well-informed about the site's activities and progress? A. Yes, as far as I need be.</p> <p>5. Do you have any comments, suggestions or recommendations regarding the site's management or operation? A. None.</p> <p>6. Is the use of Land Use Controls consistent with the Remedy? A. Seems consistent.</p>		

INTERVIEW RECORD		
Site name: Iowa Army Ammunition Plant		EPA ID No.:
Subject: Five-Year Review, IAAAP OU-1 and OU-8		Time: 2:03 p.m. 7:10 a.m.
Type: <input type="checkbox"/> Telephone <input type="checkbox"/> Visit <input checked="" type="checkbox"/> Email		Date: 5/19/2018 5/24/2018
Location of visit: FUSRAP Project Office, Berkeley, MO		<input checked="" type="checkbox"/> Incoming <input type="checkbox"/> Outgoing Response to phone and email.
Contact made by:		
Name: Andrea Wales	Title: Public Affairs Spec	Organization: MVSFUSRAP
Individual contacted:		
Name: Robert Haines	Title: Retired IAAAP Chief of Installation Mgmt; RAB	Organization: Restoration Advisory Board
Summary of conversation (Group 2 questions)		
<p>1. What is your overall impression of the project? (General sentiment.) A. The project continues to move forward. As with any program of this complexity and duration, there have been occasional losses in focus and priority restructures, usually associated with contractual management transfers.</p> <p>2. Have there been routine communications or activities (site visits, inspections, reporting activities, etc.) conducted by your office regarding the site? If so, give purpose and results. A. The RAB (Restoration Advisory Board) has access to these activities, and many members are employed by the various entities conducting this oversight.</p> <p>3. Have there been any complaints, violations or other incidents related to the site requiring a response by your office? If so, give details of the events and results of the responses. A. The RAB is not a reporting body.</p> <p>4. Do you feel well-informed about the site's activities and progress? A. In general, yes.</p> <p>5. Do you have any comments, suggestions or recommendations regarding the site's management or operation? A. These are generally addressed at the regularly scheduled RAB meetings.</p> <p>6. Is the use of Land Use Controls consistent with the Remedy? A. They appear to be.</p>		

INTERVIEW RECORD		
Site name: Iowa Army Ammunition Plant		EPA ID No.:
Subject: Five-Year Review, IAAAP OU-1 and OU-8		Time: 9:38 a.m. 1:55 p.m.
Type: <input type="checkbox"/> Telephone <input type="checkbox"/> Visit <input checked="" type="checkbox"/> Email		Date: 5/15/2018 5/23/2018
Location of visit: FUSRAP Project Office, Berkeley, MO		<input checked="" type="checkbox"/> Incoming <input type="checkbox"/> Outgoing Response to phone and email.
Contact made by:		
Name: Andrea Wales	Title: Public Affairs Spec	Organization: MVSFUSRAP
Individual contacted:		
Name: Stuart Schmitz	Title: State Toxicologist	Organization: Iowa Department of Public Health
Summary of conversation (Group 2 questions)		
<p>1. What is your overall impression of the project? (General sentiment.) A. There appears to be a greater amount of remedial work being completed at the Iowa Army Ammunition Plant during the past few years.</p> <p>2. Have there been routine communications or activities (site visits, inspections, reporting activities, etc.) conducted by your office regarding the site? If so, give purpose and results. A. The Iowa Department of Public Health has not completed any site visits, inspection or reports regarding the site during the last five years.</p> <p>3. Have there been any complaints, violations or other incidents related to the site requiring a response by your office? If so, give details of the events and results of the responses. A. The Iowa Department of Public Health has not received any complaints or reports of incidents that have required a response by our office.</p> <p>4. Do you feel well-informed about the site's activities and progress? A. We are well-informed, receiving by email letters of progress and covers of the reports.</p> <p>5. Do you have any comments, suggestions or recommendations regarding the site's management or operation? A. None at this time.</p> <p>6. Is the use of Land Use Controls consistent with the Remedy? A. No comments at this time. (Answer added 5/23/2018.)</p>		

INTERVIEW RECORD		
Site name: Iowa Army Ammunition Plant		EPA ID No.:
Subject: Five-Year Review, IAAAP OU-1 and OU-8		Time: 8:50 p.m.
		Date: 5/9/2018
Type: <input type="checkbox"/> Telephone <input type="checkbox"/> Visit <input checked="" type="checkbox"/> Email		<input checked="" type="checkbox"/> Incoming <input type="checkbox"/> Outgoing
Location of visit: FUSRAP Project Office, Berkeley, MO		Response to phone and email.
Contact made by:		
Name: Andrea Wales	Title: Public Affairs Spec	Organization: MVSFUSRAP
Individual contacted:		
Name: Bruce Workman	Title: Battalion (Fire) Chief, RAB	Organization: Restoration Advisory Board
Summary of conversation (Group 3 questions)		
<p>1. What is your overall impression of the project? (General sentiment.) A. I believe that the work, to date, has been worthy and significant. The mission of cleanup and restoring the land is being fulfilled. It is an immense project with an immense budget. I do believe it is the right thing to do. The land is being restored. The process is lengthy and has its own lifespan.</p> <p>2. What is the current status of construction (e.g., budget and schedule)? A. I believe planned seasonal work is in full swing now. Iowa had a late winter and early spring that were much colder than usual. This may have delayed planned spring work.</p> <p>3. Have any problems been encountered that required, or will require, changes to this remedial design or this Record of Decision (ROD)? A. I am not aware of any needed or required changes.</p> <p>4. Have any problems or difficulties been encountered that have had an impact on construction progress or implementability? A. IAAAP contains a small tributary of the Skunk River, named Brush Creek. Monitoring on Brush Creek reveals contamination with RDX (Royal Demolition Explosive, formally cyclotrimethylenetrinitramine, also known as cyclonite). The source has not been identified. The spikes in higher recorded levels of RDX do not seem to coincide with rainfall. It is a mystery that has gone on for years. A different approach or a more thorough investigation is warranted. Recently encouraging is the Line 1 Iron Bioreactor for treating RDX-contaminated water, which is planned to go into use later this year. At our last RAB (Restoration Advisory Board), there was also mention of a new technology, using a cavitation reactor for removing contaminants being tested by the Army. -- Sorry, these may be OU-3 items, but I need to spout.</p>		

5. Do you have any comments, suggestions or recommendations regarding the project (i.e., design, construction documents, constructability, management, regulatory agencies, etc.)?
A. “When universes collide” is how I would describe the dance between government agencies. Watching from the sidelines as larger-than-life entities joust for their positions or interests has been both enlightening and frustrating. The processes of agencies and their bureaucracies, I suppose, are necessary. I hope for a way to speed up processes, reviews, decision-making and the lot. IAAAP restoration efforts are decades old. Land restoration is a huge project. When I think of huge projects, I think of the 1,700 mile Alaskan Highway built by the Army Corps of Engineers in less than a year. Where there’s a will, there’s a way.

6. Is the use of Land Use Controls consistent with the Remedy?
A. I believe that the Institutional Controls of restricting land use to industrial or commercial property is currently appropriate.

INTERVIEW RECORD		
Site name: Iowa Army Ammunition Plant		EPA ID No.:
Subject: Five-Year Review, FUSRAP IAAAP OU-1 and OU-8		Time: 2:28 p.m.
		Date: 5/14/2018
Type: <input type="checkbox"/> Telephone <input type="checkbox"/> Visit <input checked="" type="checkbox"/> Email		<input checked="" type="checkbox"/> Incoming <input type="checkbox"/> Outgoing
Location of visit: FUSRAP Project Office, Berkeley, MO		Response to phone and email.
Contact made by:		
Name: Mike Kessler	Title: Project Manager	Organization: MVSFUSRAP
Individual contacted:		
Name: David L. Rose	Title: Firing Sites UXO / Safety / Quality Assurance Representative	Organization: USACE; MVS
Summary of conversation (Group 3 questions)		
<p>1. What is your overall impression of the project? (General sentiment.) A. The project seems to be progressing well despite external challenges e.g. test fire, weather. The current contractor has made every effort to try and meet expectations for the environmental restoration of the FS12 site.</p> <p>2. What is the current status of construction (e.g., budget and schedule)? A. Currently the contractor is on schedule for remedial activities for 2018. They have meet their past goals/schedule with the exception of last year when they did finish Area G before demobilization.</p> <p>3. Have any problems been encountered that required, or will require, changes to this remedial design or this Record of Decision (ROD)? A. I have not encountered any problems that would require a change to the ROD.</p> <p>4. Have any problems or difficulties been encountered that have had an impact on construction progress or implement ability? A. The only delays that have slowed the project are test firing and weather. During the testing of frag producing munitions all personnel must leave the project site and are usually locked out between 2.5-4 hours depending on testing results.</p> <p>5. Do you have any comments, suggestions or recommendations regarding the project (i.e., design, construction documents, constructability, management, regulatory agencies, etc.)? A. I don't have suggested recommendations to improve field activities. However, work/break trailers should be located outside hazard areas or areas that have not been cleared of hazards.</p> <p>6. Is the use of Land Use Controls consistent with the Remedy? A. All Land Use Controls we are responsible for are consistent with the remedy.</p>		

INTERVIEW RECORD		
Site name: Iowa Army Ammunition Plant		EPA ID No.:
Subject: Five-Year Review, FUSRAP IAAAP OU-1 and OU-8		Time: 1:37 p.m. Date: 5/14/2018
Type: <input type="checkbox"/> Telephone <input type="checkbox"/> Visit <input checked="" type="checkbox"/> Email		<input checked="" type="checkbox"/> Incoming <input type="checkbox"/> Outgoing
Location of visit: FUSRAP Project Office, Berkeley, MO		Response to phone and email.
Contact made by:		
Name: Mike Kessler	Title: Project Manager	Organization: MVSFUSRAP
Individual contacted:		
Name: Gary Mecham, P.E.	Title: Firing Site General Manager	Organization: North Wind LLC
Summary of conversation (Group 3 questions)		
<p>1. What is your overall impression of the project? (General sentiment.) A. I believe this is a good approach to cleanup of this particular site. Due to the fact the majority of the contaminants are made up of small fragments the approach to obtaining a significant reduction in contaminated soil is achieved by removing the soil surrounding the fragments. This provides increased certainty that the contaminants are being removed and remaining soil is significantly lower in contaminant concentration than the allowed 150 pCi/g.</p> <p>2. What is the current status of construction (e.g., budget and schedule)? A. The status of remediation is that that the project started remediation during 2013 after successful completion the full scale pilot test. Remediation activities have been ongoing during the non-winter months for the past 5 years. This is roughly the estimated timeframe that was discussed at the start of remediation. During this time that Area of Contamination has been re-evaluated and expanded considerably. The overall costs and schedule for the total remediation is near, or below the anticipated budget and schedule that was expected to cover the total FS-12 area.</p> <p>3. Have any problems been encountered that required, or will require, changes to this remedial design or this Record of Decision (ROD)? A. A number of unforeseen issues have arose over the years of operation. Probably the two most significant discoveries include: The greatly expanded area that actually needs to be remediated. This expanded area includes a significant area located within dense trees and previously uncleared land. The identification and characterization of the underground test pit that is located next to the FS-12 structure. The pit included significantly high contaminate concentration levels and extends much deeper than what may have been expected in the ROD and Work Plan documentation. Neither of these items would require a change in the Remediation approach or remedy applied to the soil reduction activities.</p>		

4. Have any problems or difficulties been encountered that have had an impact on construction progress or implementability?

A. As stated in the previous question the two main issues that have been identified have required different approaches to the way the excavation of the contaminated soil is addressed. The area in the trees required seasonal tree removal activities, along with the need to handle soil containing significant roots. The pit area required the excavation next to, and below, an in place building or structure. Efforts are required and being coordinated to work with a separate outside vendor to perform the D&D activities of the building which will then allow the entire pit area to be remediated.

5. Do you have any comments, suggestions or recommendations regarding the project (i.e., design, construction documents, constructability, management, regulatory agencies, etc.)?

A. Continue utilizing the excavation and soil sorting techniques and systems that have been established to ensure a uniform, efficient and significant contaminated soil volume reduction. Any new or different soil sorting system used in the future would have to go through the same testing and verification process used during the pilot test activities that were performed at the start of the project.

6. Is the use of Land Use Controls consistent with the Remedy?

A. All indications of identified and anticipated land use controls are consistent with the selected remedy.

INTERVIEW RECORD		
Site name: Iowa Army Ammunition Plant		EPA ID No.:
Subject: Five-Year Review, FUSRAP IAAAP OU-1 and OU-8		Time: 2:49 p.m.
Type: <input type="checkbox"/> Telephone <input type="checkbox"/> Visit <input checked="" type="checkbox"/> Email		Date: 5/11/2018
Location of visit: FUSRAP Project Office, Berkeley, MO		<input checked="" type="checkbox"/> Incoming <input type="checkbox"/> Outgoing Response to phone and email.
Contact made by:		
Name: Mike Kessler	Title: Project Manager	Organization: MVSFUSRAP
Individual contacted:		
Name: Matthew P. Bange, P.E.	Title: Environmental Engineer	Organization: Leidos
Summary of conversation (Group 3 questions)		
<p>1. What is your overall impression of the project? (General sentiment.) A. The work required to perform the restoration has expanded but the FUSRAP does a good job of “growing” with it.</p> <p>2. What is the current status of construction (e.g., budget and schedule)? A. OU-1 has been in an inactive restoration in progress due to the presence of inaccessible soil that exceeds the remedial goals. Future work seems to be dependent on the demolition of the buildings causing soil to be inaccessible. The extent of remediation at OU-8 continues to expand based on the data results from the characterization efforts.</p> <p>3. Have any problems been encountered that required, or will require, changes to this remedial design or this Record of Decision (ROD)? A. At OU-1 Inaccessible soil due to buildings and sources of COCs that are not primarily due to historical releases of contaminants/ presence of continuing sources of COCs (e.g., SVOCs/PAHs along railroad tracks and chip and oil parking lots, tar roofs) may require ICs/LUCs.</p> <p>4. Have any problems or difficulties been encountered that have had an impact on construction progress or implementability? A. At OU-1 the presence of continuing sources and buildings causing soil exceeding the RGs to be inaccessible.</p> <p>5. Do you have any comments, suggestions or recommendations regarding the project (i.e., design, construction documents, constructability, management, regulatory agencies, etc.)? A. I have no comment.</p> <p>6. Is the use of Land Use Controls consistent with the Remedy? A. The current OU-1 RODs do not include LUCs, but deferred them to an installation wide OU to be determined at a later date. Once ICs/LUCs are in part of the remedy for OU-1, formal documentation of the ICs/LUCs should be completed. For OU-8 it seems to make sense to wait until the remediation at the Firing Sites Area is complete to develop LUC documentation. The Plant being active takes care of the requirement for the rest of the areas to remain industrial.</p>		

INTERVIEW RECORD		
Site name: Iowa Army Ammunition Plant		EPA ID No.:
Subject: Five-Year Review, IAAAP OU-1 and OU-8		Time: 6:51 a.m.
		Date: 5/14/2018
Type: <input type="checkbox"/> Telephone <input type="checkbox"/> Visit <input checked="" type="checkbox"/> Email		<input checked="" type="checkbox"/> Incoming <input type="checkbox"/> Outgoing
Location of visit: FUSRAP Project Office, Berkeley, MO		Response to phone and email.
Contact made by:		
Name: Andrea Wales	Title: Public Affairs Specialist	Organization: USACE MVS FUSRAP
Individual contacted:		
Name: Milton "Butch" Hicks	Title: Fire Marshal	Organization: IAAAP
Summary of conversation (Group 3 questions)		
<p>1. What is your overall impression of the project? (General sentiment.) A. Jennifer Busard, IAAAP Environmental Protection Specialist (Restoration), is the IAAAP FUSRAP coordinator. My involvement is very limited to the FUSRAP program here at the IAAAP. Currently, a major depleted-uranium (DU) cleanup action is taking place at one of our firing sites. The cleanup has been going on for several years. I am not aware of any safety/health issues relating to this cleanup action. Therefore, my overall impression of the project is very positive.</p> <p>2. What is the current status of construction (e.g., budget and schedule)? A. I am not aware of any construction at this site -- only cleanup (soil removal contaminated with DU).</p> <p>3. Have any problems been encountered that required, or will require, changes to this remedial design or this Record of Decision (ROD)? A. I am not aware of any problems that could change the ROD.</p> <p>4. Have any problems or difficulties been encountered that have had an impact on construction progress or implementability? A. I am not aware of any problems encountered that could impact the progress of the operation.</p> <p>5. Do you have any comments, suggestions or recommendations regarding the project (i.e., design, construction documents, constructability, management, regulatory agencies, etc.)? A. I have no additional comments on this project.</p> <p>6. Is the use of Land Use Controls consistent with the Remedy? A. I believe that the Land Use Controls in this area are working as designed.</p>		

INTERVIEW RECORD		
Site name: Iowa Army Ammunition Plant		EPA ID No.:
Subject: Five-Year Review, FUSRAP IAAAP OU-1 and OU-8		Time: 2:10 p.m.
		Date: 5/9/2018
Type: <input type="checkbox"/> Telephone <input type="checkbox"/> Visit <input checked="" type="checkbox"/> Email		<input checked="" type="checkbox"/> Incoming <input type="checkbox"/> Outgoing
Location of visit: FUSRAP Project Office, Berkeley, MO		Response to phone and email.
Contact made by:		
Name: Mike Kessler	Title: Project Manager	Organization: MVSFUSRAP
Individual contacted:		
Name: Steven Vaughn	Title: Senior Project Manager	Organization: North Wind LLC
Summary of conversation (Group 3 questions)		
<p>1. What is your overall impression of the project? (General sentiment.)</p> <p>A. The project has been extremely successful processing >26,000 CY of soil and reducing the overall volume of soil exceeding the remediation goal by 86%. This has resulted in a huge cost savings to the government by minimizing the total volume of soil that needs to be transported and disposed of off-site.</p> <p>2. What is the current status of construction (e.g., budget and schedule)?</p> <p>A. The project is being implemented under a cost plus contract. To date the total expenditure is approximately \$17M over five years which included; 1) development of the RD/RA Work Plan and all ancillary plans and procedures, 2) pilot testing and successfully demonstrating effectiveness of using full-scale radiological sorting equipment and systems to detect and isolate DU fragments from bulk soil to satisfy the RG, 3) excavation, processing, transporting, and disposal. As of December 2017 a total of 26,000 CY of soil has been processed. The project is on track to excavate and process an additional 9,000 CY during the 2018 field season.</p> <p>3. Have any problems been encountered that required, or will require, changes to this remedial design or this Record of Decision (ROD)?</p> <p>A. No problems have been encountered that would require a change to the design or ROD.</p> <p>4. Have any problems or difficulties been encountered that have had an impact on construction progress or implementability?</p> <p>A. Yes, actions beyond our control have had an impact on progress -- IAAAP test firing and adverse weather. Frequent test firing at a nearby test facility often require the field team to stand down or evacuate the site for long periods of time. This has had a significant impact on production and efficiency as field personnel must shut down operations, evacuate the site area for undermine amounts of time, and then return to restart work. Weather in the spring brings significant amounts of rain which wets the excavated soil causing clumping which impacts production of the ScanSorter. The soil must be spread, tilled, and dried before processing. The most productive months are July and August when conditions are drier when this extra step is not necessary.</p>		

5. Do you have any comments, suggestions or recommendations regarding the project (i.e., design, construction documents, constructability, management, regulatory agencies, etc.)?
- A. The walk over surveys by which areas identified for removal/excavation are out of sync with the excavation order. Survey units beyond where excavation has begun or where the excavation is complete are frequently added as requiring excavation. This causes impacts on production, as to move soil from these newly added survey units requires transporting impacted soil across already excavated and cleared areas. While this is conducted as efficiently and cleanly as possible, by creating a clean soil road through the cleared area and roping it off to minimize and control the amount of potentially impacted area, it does require that areas to be resurveyed. This is becoming more of an issue as the site area is expanded distant from the current processing area. Topographical features of the area also impede setting up the processing in other more accessible areas.
6. Is the use of Land Use Controls consistent with the Remedy?
- A. I am not familiar with the specific land use controls that have been implemented at the site.

INTERVIEW RECORD		
Site name: Iowa Army Ammunition Plant		EPA ID No.:
Subject: Five-Year Review, FUSRAP IAAAP OU-1 and OU-8		Time: 1:57 p.m.
Type: <input type="checkbox"/> Telephone <input type="checkbox"/> Visit <input checked="" type="checkbox"/> Email		Date: 5/9/2018
Location of visit: FUSRAP Project Office, Berkeley, MO		<input checked="" type="checkbox"/> Incoming <input type="checkbox"/> Outgoing Response to phone and email.
Contact made by:		
Name: Mike Kessler	Title: Project Manager	Organization: MVSFUSRAP
Individual contacted:		
Name: William Parks	Title: Site Health & Safety Officer	Organization: North Wind LLC
Summary of conversation (Group 3 questions)		
<p>1. What is your overall impression of the project? (General sentiment.) A. The project seems to be going as well as can be expected. There are new people in key positions (including me) and everyone is getting used to working in a location that can be closed at a moments notice due to the explosive component, while others have not worked around radiation, or both in a few instances.</p> <p>2. What is the current status of construction (e.g., budget and schedule)? A. We seem to be on schedule as far as can be determined. Work is progressing as can be expected.</p> <p>3. Have any problems been encountered that required, or will require, changes to this remedial design or this Record of Decision (ROD)? A. Not to my knowledge.</p> <p>4. Have any problems or difficulties been encountered that have had an impact on construction progress or implementability? A. Not to my knowledge. There seem to be enough employees in RCT's, labor, and operators.</p> <p>5. Do you have any comments, suggestions or recommendations regarding the project (i.e., design, construction documents, constructability, management, regulatory agencies, etc.)? A. Not at this time.</p> <p>6. Is the use of Land Use Controls consistent with the Remedy? A. Seems to be. We are exercising care when entering, working in, and leaving controlled areas. Spoils are being carefully segregated. Spill kits are readily available and team members are aware of how to use which materials.</p>		

INTERVIEW RECORD		
Site name: Iowa Army Ammunition Plant		EPA ID No.:
Subject: Five-Year Review, IAAAP OU-1 and OU-8		Time: 6:10 a.m.
Type: <input type="checkbox"/> Telephone <input type="checkbox"/> Visit <input checked="" type="checkbox"/> Email		Date: 5/18/2018
Location of visit: FUSRAP Project Office, Berkeley, MO		<input checked="" type="checkbox"/> Incoming <input type="checkbox"/> Outgoing Response to phone and email.
Contact made by:		
Name: Andrea Wales	Title: Public Affairs Spec	Organization: MVSFUSRAP
Individual contacted:		
Name: Daniel Cook	Title: Restoration Advisory Board Member	Organization: Iowa Department of Natural Resources
Summary of conversation (Group 4 questions)		
<p>1. What is your overall impression of the project? (General sentiment.) A. No comment.</p> <p>2. Is the remedy functioning as expected? How well is the remedy performing? A. Only a few groundwater sampling events have been completed since the soil removal has been completed at the FUSRAP sites so not enough data has been collected to determine the effectiveness of the remedy, plus some of the most contaminated soil is still in place under buildings and other structures. The soil removal is still in progress at Firing Site 12 so no remedy-effectiveness assessment yet.</p> <p>3. What does the monitoring data show? Are there any trends that show contaminant levels are decreasing? A. Not enough sampling has been done to show any trend.</p> <p>4. Is there a continual on-site Operations and Maintenance (O&M) presence? If so, describe staff and activities. If there isn't a continual on-site presence, describe staff and frequency of site inspections and activities. A. On-site O&M is mainly the land use controls consisting of fencing and signage. Given that IAAAP is an active military site, the desired protectiveness is being achieved for human health.</p> <p>5. Have there been any significant changes in the O&M requirements, maintenance schedules or sampling routines since startup or in the last five years? If so, do they affect the protectiveness or effectiveness of the remedy? Describe changes and impacts. A. None that I can think of.</p> <p>6. Have there been unexpected O&M difficulties or costs at the site since startup or in the last five years? If so, give details. A. None, there are always maintenance issues, such as trees coming down on fences and washouts, but IAAAP has been proactive in fixing problems.</p>		

7. Have there been opportunities to optimize O&M or sampling efforts? Describe changes and resultant or desired cost savings or improved efficiency.

A. As I noted above, sampling has not been completed enough to monitor the on-site plumes, but the remedy isn't complete. The contaminated soil under the buildings will continue to release the chemicals of concern into the groundwater.

8. Do you have any comments, suggestions or recommendations regarding the project?

A. No comment.

INTERVIEW RECORD		
Site name: Iowa Army Ammunition Plant		EPA ID No.:
Subject: Five-Year Review, FUSRAP IAAAP OU-1 and OU-8		Time: 3:53 p.m.
Type: <input type="checkbox"/> Telephone <input type="checkbox"/> Visit <input checked="" type="checkbox"/> Email		Date: 5/10/2018
Location of visit: FUSRAP Project Office, Berkeley, MO		<input checked="" type="checkbox"/> Incoming <input type="checkbox"/> Outgoing Response to phone and email.
Contact made by:		
Name: Andrea Wales	Title: Public Affairs Spec	Organization: MVSFUSRAP
Individual contacted:		
Name: Danny O'Connor	Title: Remediation Project Manager	Organization: U.S. Environmental Protection Agency
Summary of conversation (Group 4 questions)		
<p>1. What is your overall impression of the project? (General sentiment.) A. The Remedial Action appears to be progressing well. It appears that RAOs will be met using the selected remedy.</p> <p>2. Is the remedy functioning as expected? How well is the remedy performing? A. Yes. The soil sorting (treatment) appears to be significantly decreasing the amount of soil requiring off-site disposal.</p> <p>3. What does the monitoring data show? Are there any trends that show contaminant levels are decreasing? A. The only monitoring-like data that I'm aware of is generated during final status surveys. I have not reviewed this data but expect it to be included in the Remedial Action Completion Report.</p> <p>4. Is there a continual on-site Operations and Maintenance (O&M) presence? If so, describe staff and activities. If there isn't a continual on-site presence, describe staff and frequency of site inspections and activities. A. The Remedial Action is still underway so O&M has not begun.</p> <p>5. Have there been any significant changes in the O&M requirements, maintenance schedules or sampling routines since startup or in the last five years? If so, do they affect the protectiveness or effectiveness of the remedy? Describe changes and impacts. A. I am not aware of any changes.</p> <p>6. Have there been unexpected &M difficulties or costs at the site since startup or in the last five years? If so, give details. A. I'm not aware of any difficulties or additional costs.</p> <p>7. Have there been opportunities to optimize O&M or sampling efforts? Describe changes and resultant or desired cost savings or improved efficiency. A. Not that I'm aware of.</p> <p>8. Do you have any comments, suggestions or recommendations regarding the project? A. I would like to see a strategy for implementing Land Use Controls, even if that's just an estimated schedule for issuing a Land Use Control Implementation Plant.</p>		

INTERVIEW RECORD		
Site name: Iowa Army Ammunition Plant		EPA ID No.:
Subject: Five-Year Review, FUSRAP IAAAP OU-1 and OU-8		Time: 2:38 p.m.
		Date: 5/14/2018
Type: <input type="checkbox"/> Telephone <input type="checkbox"/> Visit <input checked="" type="checkbox"/> Email		<input checked="" type="checkbox"/> Incoming <input type="checkbox"/> Outgoing
Location of visit: FUSRAP Project Office, Berkeley, MO		Response to phone and email.
Contact made by:		
Name: Mike Kessler	Title: Project Manager	Organization: MVSFUSRAP
Individual contacted:		
Name: Eric J. Danielson, PMP	Title: Program Manager, Environmental Restoration Division	Organization: Leidos
Summary of conversation (Group 4 questions)		
<p>1. What is your overall impression of the project? (General sentiment.) A. USACE/FUSRAP efforts have been successful (and are being successful) at identifying and remediating the contaminated media at IAAAP for which they are responsible.</p> <p>2. Is the remedy functioning as expected? How well is the remedy performing? A. Yes. Excavation of contaminated soils and decontaminating contaminated structures was successful at Line 1. Excavation of contaminated soil was successful at West Burn Pads Area (South of the Road). The current efforts at FS-12 (excavation and soil sorting) remedy are successful, with the soil sorting system reducing soil requiring off-site disposal at a ratio better than anticipated.</p> <p>3. What does the monitoring data show? Are there any trends that show contaminant levels are decreasing? A. FUSRAP surface water and sediment data within the FS-12 watershed show no migration of DU to areas downstream. Air monitoring demonstrates that all IAAAP OU-8 receptors receive less than the dose standards in the FUSRAP ROD ARARs.</p> <p>4. Is there a continual on-site O&M presence? If so, describe staff and activities. If there isn't a continual on-site presence, describe staff and frequency of site inspections and activities. A. During the construction season, there is near continual presence of remedial contractor staff at FS-12, as well as USACE personnel and verification contractor personnel. Activities during this season include: excavation of DU-contaminated soil; sorting of excavated soil using a radiation-detecting soil sorting system; verification/Final Status Survey of excavated areas to assure ROD remedial goals are met; and investigation of additional FS-12 areas to determine presence/absence of DU fragments. In addition, the remedial contractor inspects the site periodically throughout the winter to check on the O&M. Also, the USACE has a weekly presence at the site and notifies the RAC of issues throughout the winter/off season.</p>		

5. Have there been any significant changes in the O&M requirements, maintenance schedules or sampling routines since startup or in the last five years? If so, do they affect the protectiveness or effectiveness of the remedy? Describe changes and impacts.

A. No significant changes in O&M requirements, schedules, or routines. No impact/effect on protectiveness/effectiveness of the remedy.

6. Have there been unexpected O&M difficulties or costs at the site since startup or in the last five years? If so, give details.

A. Not that I'm aware of.

7. Have there been opportunities to optimize O&M or sampling efforts? Describe changes and resultant or desired cost savings or improved efficiency.

A. From a sampling standpoint, all of the systematic samples are on the same grid and are based on predetermined SUs instead of excavation areas so that response to verification requests are more efficient. In addition, investigatory samples are obtained on this same grid, using the same procedures and QA requirements as Final Status Survey Samples. Thus, if sample results and gamma walkover surveys show an investigated area meets RGs, the data can be used for Final Status Survey documentation as well.

8. Do you have any comments, suggestions or recommendations regarding the project?

A. No additional comments beyond the above.

INTERVIEW RECORD		
Site name: Iowa Army Ammunition Plant		EPA ID No.:
Subject: Five-Year Review, FUSRAP IAAAP OU-1 and OU-8		Time: 12:58 p.m. Date: 5/14/2018
Type: <input type="checkbox"/> Telephone <input type="checkbox"/> Visit <input checked="" type="checkbox"/> Email		<input checked="" type="checkbox"/> Incoming <input type="checkbox"/> Outgoing
Location of visit: FUSRAP Project Office, Berkeley, MO		Response to phone and email.
Contact made by:		
Name: Mike Kessler	Title: Project Manager	Organization: MVSFUSRAP
Individual contacted:		
Name: Saige J. Ballock-Dixon, P.E., PMP	Title: Engineer IV	Organization: North Wind LLC
Summary of conversation (Group 4 questions)		
<p>1. What is your overall impression of the project? (General sentiment.) A. The project has been operating smoothly and effectively since it started in 2013. No major issues have occurred at the project and any minor issues have been managed and resolved with all pertinent parties.</p> <p>2. What is the current status of construction (e.g., budget and schedule)? A. The project is within budget and schedule. The project is currently excavating in H Areas and felling trees in I Area.</p> <p>3. Have any problems been encountered that required, or will require, changes to this remedial design or this Record of Decision (ROD)? A. No problems have been encountered that will require a change to the remedial design or ROD.</p> <p>4. Have any problems or difficulties been encountered that have had an impact on construction progress or implementability? A. The major delays to the project have been due to weather conditions and site operational conditions (i.e. test firing). These issues have not impacted implementability.</p> <p>5. Do you have any comments, suggestions or recommendations regarding the project (i.e., design, construction documents, constructability, management, regulatory agencies, etc.)? A. I would recommend better understanding by USACE field oversight of the contractually agreed upon requirements with NW.</p> <p>6. Is the use of Land Use Controls consistent with the Remedy? A. Yes.</p>		

APPENDIX H

IOWA ARMY AMMUNITION PLANT OPERABLE UNITS

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SUMMARY OF OPERABLE UNIT 1 (SOILS)

BACKGROUND

The OU-1 decision documents address on-site soil contamination for 20 areas. The remedy for these OU-1 sites has attained the RGs and is considered complete for the 18 IRP OU-1 areas. The 18 IRP OU-1 areas are Line 2, Line 3, Line 3A, Line 4A/4B, Line 5A/5B, Line 6, Line 8, Line 9, Line 800, East Burn Pads Area, Incendiary Disposal Area, Possible Demolition Area, Demolition Area/Deactivation Furnace, Burn Cages/WBPA (excluding WBPS), North Burn Pads Area, Fire Training Pit, Roundhouse Transformer Storage Area, and Central Test Area.

The contaminants for OU-1 are primarily explosives, but also include metals and various organic compounds. The RGs selected for OU-1 were based on an industrial/commercial land use, which is consistent with the current use of IAAAP as an ammunition plant.

OPERABLE UNIT 1 RECORDS OF DECISION

The remedial actions at IRP OU-1 areas were implemented in accordance with the OU-1 IROD (U.S. Army Environmental Center 1998), the OU-1 Final ROD (USACE 1998a), and several ESD documents (USEPA 2003a; Tetra Tech 2006b, 2008, 2009, 2011b; Leidos 2018). The OU-1 IROD (U.S. Army Environmental Center 1998) required excavating and temporarily stockpiling the most highly contaminated soil on-site at Trench 7 of the IDA for future treatment and disposal. The OU-1 Final ROD (USACE 1998a) defined the treatment methods (prior to disposal) for the most highly contaminated soil that was temporarily being stored in Trench 7 at the IDA as a result of the OU-1 IROD.

OPERABLE UNIT 1 REMEDY IMPLEMENTATION

Implementation of the OU-1 IROD occurred in eight phases of excavation extending from the year 2000 to 2009. Implementation was, in most cases, preceded by RD sampling to define the areas requiring excavation. This post-ROD design site characterization was extensive, comprising several hundred samples for some of the larger sites. This is because the larger sites have multiple ammunition processing buildings on them, and contaminant release was a spotty process arising from washdown operations and wastewater disposal at each of the buildings. Consequently, the perimeters of most buildings were investigated, and excavations had to be performed at 106 locations distributed among the IRP OU-1 areas. Completion was documented in RACRs for the various excavation phases; these RACRs contain the post-excavation verification sample results. The last RACR in the series (for Phases 5, 7, and 8) summarizes all of the excavation work and concludes that the RGs have been achieved, except for seven excavation areas that exceeded the OU-1 ROD RGs; these areas were not followed up with additional excavation, because IAAAP infrastructure blocked or endangered the excavations (Tetra Tech 2009a).

TECHNICAL ASSESSMENT

Only a brief summary of the status of the IRP OU-1 areas is being provided in this Five-Year Review Report, because the technical assessment will be covered by a separate CERCLA five-year review conducted under the IRP.

The protectiveness statement in the *Five-Year Review Report for Iowa Army Ammunition Plant, Middletown, Iowa, Defense Environmental Restoration Program* (USACE 2016a) states the following:

The remedy at the OU-1 ROD sites is currently protective of human health and the environment in the short-term. In order for the remedy to be protective in the long-term, language that restricts land use to industrial/commercial needs to be recorded in appropriate property ownership documents.

SUMMARY OF OPERABLE UNIT 3 (OFF-SITE GROUNDWATER)

BACKGROUND

OU-3 addresses off-site contamination resulting from IAAAP sources. These IAAAP sources discharged waste explosives to Brush Creek, a watercourse on the IAAAP. As Brush Creek flows off of the IAAAP near the southeast corner of the property, it enters an area of more permeable substrate. This allowed the explosives-contaminated water to migrate downward into the groundwater. OU-3 is comprised of the response for the off-site groundwater, and monitoring and any response for the off-site section of Brush Creek.

The OU-3 groundwater plume is located entirely off of the IAAAP, approximately 2 miles southeast of the southeast corner of IAAAP. It is an approximately 600-acre area between U.S. Highway 61 on the north and the Skunk River on the south. Nearly the entire extent of OU-3 lies within the watershed and floodplain of the Skunk River. The soil horizon is composed of mixed fluvial deposits, mostly sand. This differs from the glacial till deposits on the IAAAP site proper. Average groundwater depth in OU-3 ranges from 4 to 30 ft bgs.

OPERABLE UNIT 3 RECORD OF DECISION

The OU-3 response selection is documented in three places: (1) a Removal Action Memorandum, dated August 2, 1993, to connect residences to municipal water (U.S. Army 1993), (2) an addendum to the Removal Action Memorandum, dated July 27, 2001, to connect additional residences to municipal water (IAAAP 2001), and (3) the *Off-site Groundwater Record of Decision, Iowa Army Ammunition Plant, Middletown, Iowa* (OU-3 ROD), signed August 8, 2005 (USEPA 2005). There are no ESDs or amendments to the OU-3 ROD. The decision summary of the OU-3 ROD notes that it is an “interim” remedy for OU-3, because the groundwater remedy cannot be successful until the presumed continuing contaminant source of Brush Creek is also remediated.

The RAO listed in the OU-3 ROD is “to prevent residential human exposure to RDX above 2 µg/L in Off-Site Groundwater” (USEPA 2005). The remedy in the OU-3 ROD consists of the following components:

- Enhanced degradation of highly contaminated groundwater (greater than 50 µg/L RDX) using sodium acetate as the carbon donor.
- Monitored Natural Attenuation in all remaining areas of the plume to reduce concentrations of RDX to less than 2 µg/L.
- ICs and engineering controls to prevent potential future exposure to RDX contaminated groundwater with concentrations above 2 µg/L.

OPERABLE UNIT 3 REMEDY IMPLEMENTATION

In November 2004, a *Treatability Study Test Plan for In Situ Biodegradation of RDX in Off-Site Groundwater* was submitted for USEPA review (Tetra Tech 2004). The treatability study provided data useful for designing the in-situ biotreatment component of the remedy.

In August 2007, 11 injection wells were installed approximately 70 feet apart along a transect line approximately 60 feet upgradient of U.S. Highway 61 and perpendicular to the groundwater flow. Five injection events followed over the next 21 months.

In addition to the 11 injection wells, 8 performance monitoring wells were installed at varying distances downgradient of the injection well transect to monitor changes in plume characteristics following injection. As of 2011, a total of 50 monitoring wells were installed throughout the plume footprint to monitor changes in the lateral and vertical extent of the plume. Presently, a significant number of these monitoring wells have become unusable due to the sale of land, abandonment, and/or disrepair. Along with groundwater level measurements, groundwater geochemical, chemical, and biological sampling data were collected from these monitoring points prior to injection and periodically since injections began to monitor the effectiveness of enhanced biodegradation of RDX.

TECHNICAL ASSESSMENT

Only a brief summary of the OU-3 status is being provided in this Five-Year Review Report, because the technical assessment will be covered by a separate CERCLA five-year review conducted under the IRP.

The protectiveness statement in the *Five-Year Review Report for Iowa Army Ammunition Plant, Middletown, Iowa* (USACE 2016a) states the following:

The remedy at OU-3 currently protects human health and the environment because city water has been offered to all affected residents in the current footprint of the RDX plume. However, in order for the remedy to be protective in the long-term, the following actions need to be taken to ensure protectiveness:

- Institute a locally issued advisory and a health and safety program to educate the public about the risks of consuming water from the RDX plume.
- Repair/replace the sentinel well network so that growth or expansion of the plume does not affect those residents not connected to city water.

SUMMARY OF OPERABLE UNIT 4 (INERT DISPOSAL AREA)

BACKGROUND

The IDA is comprised of a former temporary storage and treatment unit, and three permanent soil disposal units. The contents of these units are soil from OU-1 which has met the industrial/commercial RGs of OU-1. Contamination was not discovered by investigation at OU-4 (IDA); rather, OU-4 was constructed in 1996 to handle contamination discovered elsewhere on the IAAAP. From the 1940s to the early 1990s, IAAAP had disposed of wastes in its Inert Landfill, comprised of five disposal trenches. The new soil handling area was sited adjacent to the Inert Landfill, and included new Trench 6 and new Trench 7 to the west, and the Cap Extension Area (CEA) adjacent to the Inert Landfill to the south. OU-4 then consisted of the Inert Landfill, Trenches 6 and 7, and the CEA.

OPERABLE UNIT 4 RECORD OF DECISION

The *Interim Action Record of Decision for Trench 6, Trench 7, and the Cap Extension Area of the Inert Disposal Area (IDA) in Soils Operable Unit 4 (OU-4), Iowa Army Ammunition Plant, Middletown, Iowa* (Tetra Tech 2008a) presents the selected RAOs for closure of Trench 6, Trench 7, and the CEA:

- Provide adequate cover/cap to protect human health from carcinogenic and noncarcinogenic risks associated with incidental ingestion of, inhalation of, and dermal contact with contaminated soil in excess of the RGs identified in the OU-1 IROD (U.S. Army Environmental Center 1998).
- Provide containment to prevent leaching of chemicals from soil that would result in groundwater concentrations that do not meet the groundwater and surface-water standards identified in the ARARs listed in the OU-1 IROD (U.S. Army Environmental Center 1998) and OU-1 Final ROD (USACE 1998a).
- Provide a cover/cap to protect the environment from the COCs in soil that cause adverse ecological effects as described in the BERA (USACE 2004).

OPERABLE UNIT 4 REMEDY IMPLEMENTATION

All treatment of OU-1 soils stockpiled in OU-4 was completed in accordance with the OU-1 Final ROD and ESDs by 2009, thereby making it possible to proceed to close OU-4. OU-4 was closed in phases and all closure was completed in November 2011. Closeout documentation for OU-4 is contained in a multivolume RACR.

Post-closure care for OU-4 is being implemented and/or continued. The post-closure activities include development of LUCs; long-term monitoring of groundwater; site inspections; general maintenance of the road, landfill caps, storm-water control structures, ground-water monitoring wells, settlement monuments, and passive gas vents; and five-year reviews.

TECHNICAL ASSESSMENT

Only a brief summary of the OU-4 status is being provided in this Five-Year Review Report, because the technical assessment will be covered by a separate CERCLA five-year review conducted under the IRP.

The protectiveness statement in the *Five-Year Review Report for Iowa Army Ammunition Plant, Middletown, Iowa* (USACE 2016a) states the following:

The remedy at OU-4 is currently protective of human health and the environment in the short term because nearly all soil has been treated to attain the industrial/commercial remedial goals, and all treated soil is contained in closed RCRA Subtitle C or Subtitle D disposal units. For the remedy to be protective in the long term, language that restricts land use to industrial/commercial, and permanently prevents surface and subsurface disturbance of the Inert Landfill, Trench 6, and the CEA should be recorded in appropriate property ownership documents.

SUMMARY OF OPERABLE UNIT 5 (MILITARY MUNITIONS RESPONSE PROGRAM SITES)

BACKGROUND

OU-5 was created as a result of an FFA Dispute Resolution dated December 21, 2006, to address all areas at the IAAAP with the possible presence of UXO. OU-5 includes the investigation and remediation of the following Munitions Response Sites (MRSs): Central Test Area, Line 6 Ammo Production (Inside Blast Radii), Line 6 Ammo Production (Outside Blast Radii), Incendiary Disposal Area, Possible Demolition Site, WBPS, WBPA, and Maneuver Area (USEPA 2014c).

OPERABLE UNIT 5 REMEDIAL INVESTIGATION

An RI was finalized in 2011 for seven Military Munitions Response Program MRSs. After finalization of the RI, an eighth MRS was created by splitting the Line 6 Ammo Production MRS into an Inside Blast Radii MRS and an Outside Blast Radii MRS (URS 2011).

OPERABLE UNIT 5 FEASIBILITY STUDY

The Final *Feasibility Study Report Amendment Military Munitions Response Program Iowa Army Ammunition Plant Middletown, Iowa*, was completed in November 2012. The size of the Central Test Area was reduced by 8.1 acres as a result of removing the land around Building 600-84 because it was determined to be operational (USACE 2012a).

OPERABLE UNIT 5 RECORD OF DECISION

The *Record of Decision Operable Unit 5, Military Munitions Response Program, Iowa Army Ammunition Plant, Middletown, Iowa* (OU-5 ROD) was finalized in November 2014 to document the selected remedy for the eight Military Munitions Response Program MRSs that comprise OU-5 at the IAAAP. The OU-5 ROD indicates that a remedy is necessary to protect the public health or welfare, or the environment, from actual or threatened releases of hazardous substances into the environment at the Central Test Area, Line 6 Ammo Production (Inside Blast Radii), Incendiary Disposal Area, and Possible Demolition Site. The Army determined that no action was necessary to protect the public health or welfare, or the environment, at the other four MRSs (i.e., the Line 6 Ammo Production [Outside Blast Radii], WBPA, WBPS, and Maneuver Area) (USEPA 2014c).

TECHNICAL ASSESSMENT

Only a brief summary of the OU-5 status is being provided in this Five-Year Review Report, because the technical assessment will be covered by a separate CERCLA five-year review conducted under the Military Munitions Response Program.

SUMMARY OF OU-6 (ON-POST GROUNDWATER)

BACKGROUND

In 2009, during a restructuring of OUs at the IAAAP, OU-6 was created to address on-site groundwater contamination at the IAAAP (formerly part of OU-3).

OPERABLE UNIT 6 REMEDIAL INVESTIGATION

The evaluation of the OU-6 areas began with the *Comprehensive (Brush Creek, Spring Creek, Long Creek, and Skunk River) Watersheds Evaluation and Supplemental Work Plan*, which evaluated the area for gaps in data. The Final *Comprehensive (Brush Creek, Spring Creek, Long Creek, and Skunk River) Watersheds Evaluation and Supplemental Work Plan* (Tetra Tech 2006c), which was prepared in conjunction with the USEPA, determined that the areas were adequately characterized for the preparation of a feasibility study, with a few exceptions. Some areas required additional data collection efforts to achieve adequate characterization for preparation of a feasibility study: Lines 5A and 5B, Line 6, Line 7, the Line 1 Impoundment, Line 2, the North Burn Pads Area, and Line 3A.

OPERABLE UNIT 6 FEASIBILITY STUDY

The Draft Final *Feasibility Study for Operable Unit 6 (OU-6) Sitewide Groundwater for Iowa Army Ammunition Plant, Middletown, Iowa* (OU-6 FS), which summarized previous investigations and data collection efforts, presented risk assessment results, and evaluated remedial alternatives, was submitted in May 2010 (Tetra Tech 2010). Based on the site characterizations and risk assessment, it was determined that six areas (Line 2, Line 3, Line 4A, Line 5A, Line 7, and Line 9) had risk below the USEPA-acceptable risk range and below the USEPA-acceptable HQ for exposure to groundwater via ingestion or vapor intrusion into buildings. These areas were not evaluated further within the Draft Final OU-6 FS (Tetra Tech 2010). The remaining 27 areas had risk within or above the USEPA-acceptable risk range and/or hazard above the USEPA-acceptable HQ and were further evaluated within the Draft Final OU-6 FS.

The Draft Final OU-6 FS was withdrawn by the Army on December 8, 2010 (U.S. Army 2010).

TECHNICAL ASSESSMENT

No technical assessment can be conducted at OU-6, because a remedy is not yet in place.

SUMMARY OF OPERABLE UNIT 7 (MISCELLANEOUS AREAS)

BACKGROUND

OU-7 (previously OU-4) was developed as a “miscellaneous” OU to address issues which were not fully evaluated in other OUs, and to ensure that all remaining necessary remedial actions at the IAAAP are carried out. OU-7 includes ecological risk issues, surface water/sediment issues, point source contamination, long-term monitoring requirements, LUCs, miscellaneous soil contamination sites, and any other unacceptable risks not addressed in other OUs.

OPERABLE UNIT 7 SUPPLEMENTAL REMEDIAL INVESTIGATION

The *Supplemental Remedial Investigation, Operable Unit 7 for Iowa Army Ammunition Plant, Middletown, IA* (OU-7 SRI) (Tetra Tech 2011c) was prepared to summarize and evaluate all available environmental information collected for soil, surface water, sediment, and groundwater at sites that are part of OU-7. The primary objective of the OU-7 SRI was to expand on previous investigations by further evaluating the shallow and subsurface soils, sediment, surface water, and groundwater associated with the sites. Seven sites were evaluated within the OU-7 SRI: Incendiary Disposal Area, Old Fly Ash Waste Pile, Possible Demolition Site, Explosive Waste Incinerator, Construction Debris Landfill, Line 3A Pond, and Central Test Area.

Based on the OU-7 SRI results, the following paths forward were recommended at the seven OU-7 sites:

- Groundwater at all seven OU-7 sites is being evaluated in OU-6 for site-wide groundwater and will not be evaluated further in OU-7.
- No further action is recommended for soil at the Incendiary Disposal Area, Possible Demolition Site, and Central Test Area, because the soil component has been transferred to OU-1 (and remediated).
- No further action is recommended for soil at the Explosive Waste Incinerator and Construction Debris Landfill, because human health and ecological risks are acceptable.
- Potential remedial action for soil at the Old Fly Ash Waste Pile and Line 3A Pond will be addressed in a feasibility study for OU-7 due to unacceptable human health or ecological risks.
- No further action is recommended for sediment and surface water at the Incendiary Disposal Area, Old Fly Ash Waste Pile, and Possible Demolition Site, because human health and ecological risks are acceptable.

OPERABLE UNIT 7 FEASIBILITY STUDY

The Draft Final *Feasibility Study, Operable Unit 7 for Iowa Army Ammunition Plant, Middletown, IA* (OU-7 FS) was prepared in 2011 to evaluate remedial alternatives for OU-7 sites possessing potentially unacceptable human health or ecological risk as documented in the OU-7 SRI (Tetra Tech 2011d).

Based on the evaluation performed in the OU-7 SRI, only fly ash at the Old Fly Ash Waste Pile and soil at Line 3A Pond were recommended for further evaluation in the OU-7 FS.

TECHNICAL ASSESSMENT

No technical assessment can be conducted at OU-7, because a remedy is not yet in place.

SUMMARY OF OPERABLE UNIT 9 (CONSTRUCTION DEBRIS)

BACKGROUND

OU-9 was designated in 2014 and includes Construction Debris Site 001 and Construction Debris Site 002.

OPERABLE UNIT 9 REMEDIAL INVESTIGATION

An RI was conducted from 2012 to 2013 (PIKA 2013). The results of the field activities were used to: determine the horizontal and vertical extent of the debris, characterize the nature of COPCs at the sites, provide data for a Baseline Human Health Risk Assessment and Screening Level Ecological Risk Assessment, and provide data and information for use in the analysis of potential remedial alternatives.

The RI found no unacceptable risks to human or ecological receptors, but recommended that an Asbestos Containing Material (ACM) debris pile at CC-IAAP-002 be remediated.

OPERABLE UNIT 9 FEASIBILITY STUDY

The Final *Focused Feasibility Study Report for Construction Debris Sites CC-IAAP-001 and CC-IAAP-002, Iowa Army Ammunition Plant, Middletown, Iowa* (OU-9 FS) was prepared in 2014 (PIKA 2014) to address the findings and recommendations contained in the *Remedial Investigation of Construction Debris Sites CC-IAAP-001 and CC-IAAP-002 Iowa Army Ammunition Plant Middleton, IA* (PIKA 2013). The purpose of the OU-9 FS was to develop and evaluate remedial alternatives for the removal of ACM debris piles located within Site CC-IAAP-002.

OPERABLE UNIT 9 RECORD OF DECISION

In April 2015, the Draft Final *Record of Decision Construction Debris Sites CC-IAAP-001 and CC-IAAP-002 Operable Unit Nine Iowa Army Ammunition Plant Middleton, IA* (OU-9 ROD) presented the selected remedy for OU-9.

The Draft Final OU-9 ROD determined that no action is necessary to protect public health or welfare, or the environment, at Construction Debris Site CC-IAAP-001. Although no human health or ecological risks were identified at CC-IAAP-002, the transite roofing and siding material in debris piles located within CC-IAAP-002 are known to contain chrysotile asbestos (a CERCLA hazardous substance). With continued exposure to the elements, the ACM debris will degrade and pose a future threat of exposure to friable asbestos. The selected remedy at CC-IAAP-002 is to remove the ACM debris piles (PIKA 2015).

The Draft Final OU-9 ROD is being held pending an evaluation to determine if the risk is acceptable for UUUE.

TECHNICAL ASSESSMENT

No technical assessment can be conducted at OU-9, because a remedy is not yet in place.