



IT CORPORATION

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Revision 0

Pre-Design Investigation Summary Report

Plants 6 East Half and 6E

FUSRAP St. Louis Downtown Site

St. Louis, Missouri

Total Environmental Restoration Contract

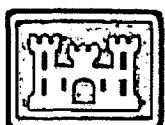
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Submitted to:

**U.S. Army Corps of Engineers
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**U.S. Army Corps of Engineers
St. Louis District
FUSRAP Project Office**



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RESPONSIVE TO THE NEEDS OF ENVIRONMENTAL MANAGEMENT

**PRE-DESIGN INVESTIGATION DATA SUMMARY REPORT
PLANTS 6 EAST HALF AND 6E
FUSRAP ST. LOUIS DOWNTOWN SITE
ST. LOUIS, MISSOURI**

**TOTAL ENVIRONMENTAL RESTORATION CONTRACT
CONTRACT NO. DACW41-98-D-9006
TASK ORDER NO. 0002**

Submitted to:

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1.0 Introduction

This *Pre-Design Investigation Summary Report* (Report) describes the pre-design investigation activities performed from July 20 through November 30, 1999 at Plants 6EH and 6E of the St. Louis Downtown Site (SLDS) and a summary of the results. This work was performed for the United States Army Corps of Engineers (USACE), St. Louis District, under the Former-Utilized Sites Remedial Action Program (FUSRAP), Total Environmental Restoration Contract number DACW41-98-D9006, Task Order 0002.

Plant 6 has been divided into two areas potentially requiring remediation, one area west of Building 101 (Plant 6 West Half) and one area east of Building 101 (Plant 6 East Half [6EH]). (See Figure 1-1.) The purpose of this investigation was to more accurately delineate Plant 6EH and 6E soil contamination prior to initiation of remedial action activities (e.g., soil excavation). This additional delineation of the nature and extent of contamination will enable IT Corporation (IT) to accomplish the USACE's twin goals of disposal-cost minimization and the retention of cleaner soil for potential use as deep backfill material or Class D disposal.

Previous investigations (BNI 1990, 1994; SAIC 1995) conducted in Plants 6EH and 6E did not characterize the extent of contamination in the shallow and deep zones in sufficient detail to support remedial design. Excavation boundaries were assumed based on these previous results; however, additional delineation of contaminant extent was required to further refine the proposed excavation boundaries.

The following tasks were completed during the pre-design investigation for Plants 6EH and 6E:

- Twenty-six shallow characterization borings were completed in Plants 6EH and 6E to investigate and delineate radiological contamination exceeding cleanup criteria reported during previous investigations (Sections 3.0 and 4.0.)

- Seventeen deep borings were completed to further evaluate the depth and horizontal extent of contamination within Plant 6EH (Section 3.2).
- Geotechnical samples were collected from three borings in Plant 6EH adjacent to the area of deep radiological impact to assist engineers in designing sloping requirements for the planned excavation (Section 3.2).
- Walkover screening and verification sampling was completed pursuant to MARSSIM and to assist in resolving apparent location discrepancies between IT borings and BNI borings completed during the Remedial Investigation (RI). Twenty additional near surface sampling locations were completed during verification sampling activities to investigate suspect areas (Section 3.3).
- Eight shallow borings were completed in the northeast corner in Plant 6E to verify the presence of radiological impact previously reported by BNI in the Remedial Investigation (RI). Four additional shallow borings were completed in Plant 6E to delineate the vertical and horizontal extent of radiological impact detected by a Class 2 boring located adjacent to Building 123. (Section 4.0).
- Forty near-surface sampling locations were completed to delineate shallow areas of elevated radiological activity identified in Plant 6EH during initial soil sampling and by walkover surveys (Section 3.4).
- Soil samples were collected from within the proposed deep-excavation boundary for waste characterization purposes prior to commencement of remedial actions (Section 5.0).
- One hundred-four shallow soil borings were completed in Plants 6EH and 6E as part of a Multi-Agency Radiation Survey and Site Investigation Manual (MARSSIM) Class 2 Survey grid to document the absence of contamination exceeding ROD criteria outside of Class 1 areas (Section 6.0).

2.0 Pre-Design Investigation

Science Applications International Corporation (SAIC) created a three-dimensional model of the SLDS area for the purpose of estimating contaminant extent and initially determining proposed excavation boundaries. The model uses the next spatial point to establish the location and depth of a contaminant contour interval in a particular area. However, gaps in the available data used in the model resulted in the loss of vertical and horizontal control of a point or area in the model.

To determine the site-specific need for additional borings to further delineate contaminant extent within the model-predicted excavation boundaries, an analysis of the existing data was completed. This analysis was conducted by plotting the existing boring locations and associated radiological data results on a separate map for each of seven sample depth intervals: 0 to 0.5 ft, 0.5 to 2 ft, 2 to 4 ft, 4 to 6 ft, 6 to 8 ft, 8 to 10 ft, and greater than 10 ft below cover material. The boring-location data points on each interval map were identified as either having or not having a sample collected from that particular interval. Analytical results for each interval were then compared to the sum of ratios (SOR) for the associated depth as established in the *Record of Decision for the St. Louis Sites* (ROD) (CEMVS, 1998), and the data points were identified on the appropriate interval map as either exceeding or not exceeding the SOR. Lastly, the interval maps were compared to a SAIC SLDS depth contour model and the data gaps identified.

A review of the SAIC model and existing data indicated widespread radiological contamination in Plant 6EH with little horizontal control. A review of the data from the previously completed RI indicated only one area of shallow contamination in Plant 6E. In an effort to document the absence of contamination outside Class 1 areas, a Class 2-type boring grid was completed in Plants 6EH and 6E (Figure 3). This survey grid allowed for unbiased sampling, which when combined with walkover surveys and additional sampling to investigate suspect areas identified by such surveys, confirms the absence of contamination above criteria in the designated Class 2 areas. Locations within designated Class 2 areas identified as contaminated were investigated and then re-designated as Class 1 areas.

The new borings and previously completed borings with analytical results above the SOR are shown in Figure 3. Additionally, depth to contamination contours have been included on Figure 3. Figure P6E-1A shows a Plant 6EH and 6E site plan with the assumed contamination

boundaries as determined by the SAIC SLDS model which utilized BNI-collected data as the model input.

The purpose of the pre-design investigation drilling and sampling at Plants 6EH and 6E was to:

- Confirm the absence of contamination above cleanup criteria in Class 2 survey units.
- Define the extent of shallow contamination and evaluate the need for additional local foundation protection (i.e., shoring or underpinning).
- Define the limits of the deep excavation as depicted by the model.
- Characterize the soil for waste disposal.
- Collect soil samples for geotechnical analysis to assist in the design of excavation sloping and shoring.

The pre-design investigation borings were lithologically described and screened for radioactivity. The description and screening results were recorded on a boring log in accordance with Appendix E, USACE Logging Manual, of the *Sampling and Analysis Program Plan for the St. Louis Sites* (SAPP) (CEMVS, 1999). Boring logs for the Plants 6EH and 6E pre-design investigation are currently retained in the project files located at the IT SLDS facility. Copies of these logs may be obtained upon request. All borings were abandoned according to the Missouri Water Well Drillers Act (Section 256.600 to 256.630 RSMo and 10 CSR 23-1.050). All down-hole drilling and sampling equipment and all non-disposable hand-sampling equipment was decontaminated between each boring or sample interval. Decontamination procedures were conducted in accordance with Appendix C of the SAPP (CEMVS, 1999).

2.1 Clearance of Proposed Boring Locations Relative to Underground Utilities

Underground utilities were located and marked prior to drilling and sampling at Plants 6EH and 6E. Each pre-design investigation boring location was surveyed and the location marked. IT Corporation contacted Missouri One-Call to clear public utilities in the area. Once public utilities in the area were marked, Mallinckrodt and IT personnel conducted a site walk to inspect the proposed boring locations and locate subsurface utilities. Lastly, surface geophysical methods were utilized to identify subsurface features in a 10-ft radius around each boring location and to identify clear areas within each radius for drilling. Boring locations affected by underground utilities were moved to a new location within the cleared 10-ft radius, and the new location was resurveyed. If the sample location was moved more than 10 ft from the original location, Mallinckrodt personnel cleared the new location.

3.0 Plant 6EH Sampling Activities

This section defines the pre-design investigation activities completed in Plant 6EH to determine the extent of radiological contamination in shallow and deep soil. Auger-drilled and hand-augered borings were used to collect soil samples. The following sections discuss the location rationale, sampling methods, and results for 14 completed shallow borings, 17 deep borings, and 60 near-surface elevated radiological activity verification and delineation sample locations.

3.1 Shallow Borings

Figure 3 shows the 14 shallow characterization borings. The modeled contamination boundaries (Figure P6EH-1A) were based on 27 soil samples with concentrations above the SOR limit; a larger analytical data set was required to define the limits of contamination with greater certainty.

3.1.1 Shallow Boring Location Rationale

The 14 new shallow borings were completed to delineate areas of shallow contamination exceeding cleanup criteria identified during previous investigations (BNI, 1990, 1994; SAIC, 1995).

3.1.2 Shallow Boring Sample Collection and Analysis

The 14 shallow borings were drilled to an approximate depth of 6 ft below cover material (bcm). The borings were advanced using hollow-stem augers and driving continuous, 2-ft-long, 3-inch-diameter split spoons with a 140-pound hammer dropping 30 in.

The above-referenced shallow borings were sampled to approximately 6 ft bcm. Sample intervals for the shallow boring investigation were one sample from the shallowest 6-in. soil layer (much of the site is covered by gravel and pavement); the second sample was collected 18 in below the first interval. Additional samples were collected at 18-in intervals until a total depth of 6 ft bcm was reached. Soil from the top 1 in of each sampling interval (excluding the 0- to 0.5-ft interval) was considered potential "slough" from upper intervals and discarded. Remaining recovered soil was screened for radiological contamination using Ludlum Models 2221 and 44-10 (2x2 sodium iodide detectors). Additionally, each sample interval was screened for volatile organic compounds (VOCs) utilizing a portable flame ionization detector (FID) or photoionization detector (PID).

One discrete soil sample from each interval was collected for confirmation analysis based on the most elevated radiological field-screening result from that interval, with the following

exception:

- If field screening results indicated that soil above the radiological-cleanup criteria extended to 6-ft bgs, drilling and sampling continued at 2-ft intervals until field screening results indicated that soil recovered over one 2-ft sample interval exhibited radiological concentrations below cleanup criteria.

The discrete samples were placed in one-quart sample containers with tight-fitting lids and submitted to the SLDS and/or Hazelwood Interim Storage Site (HISS) laboratories for analysis of SLDS radiological contaminants of concern (Radium-226, Radium-228, Thorium-232, Thorium 230, and Uranium-238). Note: All radioisotopic data including isotopes not mentioned herein (e.g., Actinium-227 and Protactinium-231) were validated for incorporation into site residual risk assessments.

In addition, one sample for total arsenic and total cadmium analysis was collected from each of six shallow borings in Plant 6EH. The samples were collected from a zone that indicated radiological contamination below cleanup criteria based on field-screening results.

3.1.3 Shallow Boring Results

Soil samples collected from the 14 shallow borings were submitted to the SLDS or HISS laboratories for radiological analysis. (See Table 3-1.) Soil samples collected from six of the shallow borings were submitted to Quanterra Environmental Services for total arsenic and cadmium analysis.

A review of this data indicated that each of the 14 shallow characterization borings (SLD02600, SLD02604, SLD02605, SLD02607, SLD02614, SLD02626, SLD02631, SLD02633, SLD02636, SLD02637, SLD02643, SLD02647, SLD02648, and SLD02652) were radiologically impacted above the SOR of 1 at depths of 1.0 to 4.0 ft bgs. (See Table 3-1.) Nine of these 14 borings were advanced beneath the former Building 116 and 117 foundations. Borings SLD02600, SLD02604, SLD02605, SLD02607 and SLD02614 indicated radiological impact above the SOR of 1 to a maximum depth of 2.5 ft bgs and were located on the west side of Plant 6EH adjacent to Building 101. (See Figure 3.)

A review of the metals analytical data indicated that soil samples submitted from the six shallow borings were less than the ROD cleanup criteria for shallow soils of 60 milligrams per kilogram (mg/kg) and 17 mg/kg for arsenic and cadmium, respectively. (See Table 3-2.)

3.2 Deep Borings

Five initial deep soil borings (SLD02649, SID02659, and SLD02676 through SLD02678) were completed at Plant 6EH to a maximum depth of 22 ft bgs (See Figure 3.) Three deep borings (SLD03380, SLD03389, and SLD03396) were added to further define the area of deep radiological impact indicated by boring SLD02659.

Six additional deep borings (SLD03881, SLD03888, SLD03895, SLD04667, SLD04669, and SLD04676) were completed to confirm and delineate deep radiological impact previously reported by BNI at a depth of 17 ft bgs in boring B16 C127.

Three deep borings (SLD03866, SLD03871, and SLD03876) were also completed to confirm and delineate deep radiological impact reported by BNI at a depth of 8 ft bgs in boring B16 C022.

3.2.1 Deep Boring Location Rationale

The boring locations were selected based on previous soil-boring analytical results (BNI, 1994; SAIC, 1995) and the interpreted contamination boundary from the SAIC three-dimensional model. In general, the new deep borings were placed at 20- to 40-ft horizontal intervals around the previously identified soil-contamination plume and between existing borings to further evaluate the depth of contamination identified by the BNI investigations. This boring density provided an estimate of the plume boundary and helped refine the limits of deep contamination.

3.2.2 Deep Boring Sample Collection and Analysis

The 17 deep borings were drilled to a maximum depth of 22 ft bgs. All borings were advanced using hollow-stem augers equipped with CME-type 2-ft-long split-barrel samplers. Recovered soil was radiologically screened with Ludlum Models 2221 and 44-10 (2x2 sodium iodide detectors).

Based on the following criteria, the IT field geologist selected the samples to be submitted for confirmation laboratory analysis:

- Sampling of the upper 6 ft of the deep borings was consistent with the shallow boring sample intervals described in Section 3.1.2.
- Samples collected from below 6 ft were obtained from that portion of the recovered soil core with the most elevated radiological field screening results. Soil sampling continued until radiological field-screening results from one 2-ft core were below cleanup criteria. A sample was collected from this interval for laboratory analysis confirmation of field screening results.

Samples of recovered soil were placed in one-quart sample containers with tight-fitting lids and submitted, under expedited priority, to the SLDS and/or HISS laboratory for analysis of SLDS radionuclides of concern.

In addition, one sample for total arsenic analysis and one sample for total cadmium analysis was collected from four of the 17 deep borings in Plant 6EH. The samples were collected from a zone that indicated radiological contamination below cleanup criteria based on field-screening results.

3.2.3 Deep Boring Results

Soil samples collected from the deep borings were submitted to the SLDS and/or HISS laboratories for radiological analysis. (See Table 3-1.)

A review of this data indicated that soil samples collected from the five initial deep borings were below the SOR value of 1 for radiological COC with the exception of the sample collected at 21 to 21.5 ft bgs in boring SLD02659. This sample indicated an SOR value of 6.59. Based on these results, three additional deep-soil borings were added: SLD03380, SLD03389, and SLD03396. Borings SLD03389 and SLD03396 were completed approximately 20 ft northwest and northeast respectively, of boring SLD02659, to gain lateral delineation of potential deep radiological impact. Analytical results from soil samples collected from these two borings indicated SOR values of less than one for radiological COC. Boring SLD03380 was completed immediately adjacent to SLD02659 in an attempt to achieve vertical delineation of radiological impact in the deep area. Analytical results for the soil sample collected from the 13.0 to 13.5 ft bgs interval in this boring indicated an SOR value of 24.29 for radiological COC. All other samples from above and below this interval indicated SOR values of less than 1.

As discussed previously, six deep borings, (SLD03881, SLD03888, SLD03895, SLD04667, SLD04669, and SLD04676) were added to confirm the presence of deep radiological impact reported by BNI at 17 ft bgs in boring B16 C127. Analytical data for these six borings indicated that one soil sample collected from boring SLD03895 at a depth of 17 feet bgs exceeded ROD criteria with an SOR value of 3.07.

Borings SLD03866, SLD03871, and SLD03876 were completed to a maximum depth of 10.5 ft bgs to verify the presence of contamination reported by BNI in boring B16 C22 completed during the RI. Analytical data from these three borings indicated that one sample collected from

boring SLD03866 at a depth of 1.0 ft bgs exceeded ROD criteria with an SOR value of 16.15.

Samples collected from four deep borings within Plant 6EH were submitted to Quanterra Environmental Services laboratory for analysis of arsenic and cadmium. A review of this data indicated that each of the four metals samples were less than the ROD cleanup criteria of 60 mg/kg and 17 mg/kg for arsenic and cadmium, respectively. (See Table 3-2.)

3.2.4 Geotechnical Borings

Three borings were installed to an average depth of 29 ft adjacent to the assumed boundaries of the deep excavation in Plant 6EH (Geotech-A, Geotech-B, and Geotech-C) for the purpose of collecting samples to be submitted for geotechnical analysis. Eight samples were collected from the borings and analyzed for the parameters listed in Table 3-2. Details regarding these results will be included in the Work Area-Specific Description (WASD) for Plant 6EH.

3.3 Walkover Screening and Verification Sampling

Walkover surveys were accomplished in accordance with MARSSIM and also to investigate a location discrepancy that existed between the IT collected sample points and BNI locations previously reported in the RI. In an attempt to resolve these discrepancies, walkover surveys were conducted adjacent to BNI borings with radiological contamination above the SOR which was not confirmed by IT co-located borings.

The walkover surveys were conducted utilizing a 2x2 sodium iodide detector in the vicinity of BNI boring locations. Elevated radiological activity detected during the survey was noted and the locations marked on the pavement. Borings were completed in these areas of elevated radiological activity by coring or drilling through the concrete foundation and/or pavement material and advancing a boring utilizing a hand auger to a maximum depth of 2.5 ft bgs or until field-screening results indicated radiological concentrations below cleanup criteria.

Thirty-three soil samples (SLD03340 through SLD03359 and SLD03367 through SLD03379) were collected from 20 near-surface sampling locations completed in these areas of elevated radiological activity.

3.3.1 Elevated Radiological Activity Verification Sampling Results

Near-surface soil samples were collected from the upper 2.5 feet beneath cover material in areas of elevated radiological activity as identified during the walkover survey. These areas generally correspond to areas of BNI-reported impact with locations corrected based on changes in state of

the art with respect to positioning. Samples collected from 14 of the locations indicated SOR values greater than 1. These areas of radiological impact are represented by appropriate depth to contamination contours shown in Figure 3. Table 3-1 summarizes sample results.

3.4 Elevated Radiological Activity Delineation Sampling

A review of the above-discussed verification sampling results indicated that further delineation sampling would be required to more accurately estimate the position of Class 1 and Class 2 boundaries at Plant 6EH. Seventy-eight samples (SLD03903 through SLD03960 and SLD03963 through SLD03982) were collected from 40 additional near-surface sampling locations completed to a maximum depth of 3 ft bgs to gain horizontal and vertical control of potential Class 1 areas exhibiting shallow, isolated, radiological impact above ROD criteria.

3.4.1 Elevated Radiological Activity Delineation Sampling Results

Seventy-eight soil samples were collected from the above-described near-surface delineation sampling locations. Thirteen of these samples indicated analytical results exceeding ROD criteria at a maximum depth of 2.5 feet bgs for radiological COC. This data was utilized to revise the location and position of depth to contamination contours shown in Figure 3. Table 3-1 summarizes sample results.

4.0 Plant 6E Sampling Activities

This section defines the pre-design investigation activities completed in Plant 6E to delineate contamination above ROD cleanup criteria reported in the RI. Auger-drilled and hand-augered borings were used to collect soil samples in Plant 6E. The following sections discuss the location rationale, sampling methods, and results for the 12 completed shallow-characterization borings.

4.1 Shallow Borings

Twelve shallow characterization borings (SLD04159, SLD04161, SLD04164 through SLD04166, SLD04842, SLD04844, SLD04846, and SLD05002 through SLD05005) were completed in Plant 6E and are shown on Figure 3.

Shallow borings SLD04159, SLD04161, SLD04164 through SLD04166, SLD04842, SLD04844, and SLD04846 were completed to verify shallow contamination exceeding ROD cleanup criteria reported during the RI in the northeast corner of Plant 6E. Shallow borings SLD05002 through SLD05005 were completed to delineate contamination exceeding ROD cleanup criteria detected in Class 2 boring SLD04129 located adjacent to the northwest corner of Building 129.

4.2 Shallow Boring Results

A review of the analytical results for the 12 shallow boring locations in Plant 6E indicated that all soil samples collected were less than the SOR value of 1 for radiological COC. Soil samples from 9 Class 2 borings and one shallow characterization boring were also submitted for metals analysis. A review of this data indicated that each of the ten metals samples were less than the ROD cleanup criteria of 60 mg/kg and 17 mg/kg for arsenic and cadmium, respectively. Table 3-2 summarizes metals data.

4.3 Walkover Surveys

Walkover surveys were accomplished in accordance with MARSSIM to locate potential isolated areas of elevated radiological activity and also to investigate a discrepancy that existed between the IT collected sample points and the location of contamination previously reported by BNI in the RI. In an attempt to resolve this discrepancy, walkover surveys were conducted utilizing a 2x2 sodium iodide detector across the ground surface of Plant 6E and adjacent to any BNI borings with radiological contamination above the SOR which was not confirmed by IT co-located borings.

No areas of elevated radiological activity were identified during walkover surveys conducted at Plant 6E.

5.0 Waste Characterization Sampling

A composite waste characterization sample (see Table 5-1) was collected from boring SLD03380 to evaluate waste acceptance criteria for disposal purposes. This boring was located within the expected deep-excavation area boundary; therefore, samples collected from this boring may be assumed to be representative of the radiological and chemical profile of the soil to be excavated.

The soil-composite sample for waste characterization evaluation was submitted to Quanterra Environmental Services Laboratory for the following analyses: toxicity characteristic leaching procedure (TCLP) volatile organics, TCLP pesticides, TCLP herbicides, TCLP metals (eight Resource Conservation and Recovery Act [RCRA] plus copper and zinc), polychlorinated biphenyls (PCBs), total petroleum hydrocarbons (TPH), total organic halides, corrosivity, ignitability, reactivity, and the paint-filter test. Analytical results for this sample indicated that all the above parameters were below RCRA hazardous waste levels. Table 5-1 lists analytical methods, parameters, and results.

6.0 Class 2 Survey

Based on historical information, and data collected during the RI, it was concluded that the Plant 6EH and 6E areas contained both Class 1 and Class 2 survey units. No Class 3 survey units were identified within the Plant 6EH and 6E boundaries. Class 1 and Class 2 survey units are discussed in the following section.

6.1 Class 1 and 2 Survey Units

Based on the results of the Pre-Design Investigation, 19 Class 1 areas with a total area of approximately 2,841 m² were identified in Plant 6EH. Two small Class 1 areas with a total area of approximately 35 m² were identified in Plant 6E. Figure 4 shows the location of Class 1 and Class 2 survey units within Plants 6EH and 6E. The remediation of Class 1 areas will be addressed in the WASD prepared for Plants 6EH and 6E.

Three Class 2 survey units were identified in Plants 6EH and 6E with approximate areas of 5,000 m² each. A total of 104 Class 2 borings were completed within the Class 2 units in Plants 6EH and 6E to confirm the absence of radioactive contamination exceeding ROD cleanup criteria outside of Class 1 areas. Results of the Class 2 sampling activities will be included in the Post Remedial Action Report (PRAR) prepared by SAIC at a later date.

One Class 2 boring (SLD04129) indicated sample results that exceeded cleanup criteria at depth of 5 ft bcm. This area was re-designated a Class 1 area and further investigated with four characterization borings for vertical and horizontal delineation.

7.0 References

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Tables

Table 3-1
Plants 6EH and 6E
Pre-Design Investigation Radionuclide Analytical Results
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Sample Location	Sample Number	Collection Date	Start Depth (feet) bgs	End Depth (feet) bgs	Thickness of Cover Material (ft)	Parameter	Result	Error	Detection Limit	Units	Sum of Ratios Value
SLD02600	SLD02600	8/26/99	1.0	1.5	0.5	Actinium-227	2.63	0.24	0.29	pCi/g	2.41
SLD02600	SLD02600					Americium-241	0.15	0.07	0.14	pCi/g	
SLD02600	SLD02600					Cesium-137	0.03	0.03	0.05	pCi/g	
SLD02600	SLD02600					Pa-231	2.35	0.50	1.62	pCi/g	
SLD02600	SLD02600					Potassium-40	11.36	1.42	0.53	pCi/g	
SLD02600	SLD02600					Radium-226	6.67	0.33	0.10	pCi/g	
SLD02600	SLD02600					Radium-228	1.31	0.15	0.14	pCi/g	
SLD02600	SLD02600					Thorium-228	1.31	0.15	0.14	pCi/g	
SLD02600	SLD02600					Thorium-230	17.78	10.71	14.04	pCi/g	
SLD02600	SLD02600					Thorium-232	1.31	0.15	0.14	pCi/g	
SLD02600	SLD02600					Uranium-235	3.95	0.38	0.35	pCi/g	
SLD02600	SLD02600					Uranium-238	67.79	5.77	5.63	pCi/g	
SLD02600	SLD02831	8/26/99	3.0	3.5		Actinium-227	0.16	0.37	0.57	pCi/g	0.34
SLD02600	SLD02831					Americium-241	0.00	0.09	0.14	pCi/g	
SLD02600	SLD02831					Cesium-137	0.04	0.07	0.12	pCi/g	
SLD02600	SLD02831					Pa-231	-1.20	1.56	2.61	pCi/g	
SLD02600	SLD02831					Potassium-40	11.33	2.40	1.13	pCi/g	
SLD02600	SLD02831					Radium-226	1.48	0.19	0.17	pCi/g	
SLD02600	SLD02831					Radium-228	0.91	0.24	0.30	pCi/g	
SLD02600	SLD02831					Thorium-228	0.91	0.24	0.30	pCi/g	
SLD02600	SLD02831					Thorium-230	4.12	8.52	14.07	pCi/g	
SLD02600	SLD02831					Thorium-232	0.91	0.24	0.30	pCi/g	
SLD02600	SLD02831					Uranium-235	0.71	0.46	0.59	pCi/g	
SLD02600	SLD02831					Uranium-238	10.79	1.91	14.35	pCi/g	
SLD02600	SLD02754	8/26/99	5.0	5.5		Actinium-227	0.24	0.12	0.19	pCi/g	0.05
SLD02600	SLD02754					Americium-241	0.01	0.04	0.05	pCi/g	
SLD02600	SLD02754					Cesium-137	0.00	0.02	0.03	pCi/g	
SLD02600	SLD02754					Pa-231	0.31	0.47	0.75	pCi/g	
SLD02600	SLD02754					Potassium-40	14.64	1.61	0.30	pCi/g	
SLD02600	SLD02754					Radium-226	1.35	0.09	0.05	pCi/g	
SLD02600	SLD02754					Radium-228	0.87	0.09	0.08	pCi/g	
SLD02600	SLD02754					Thorium-228	0.87	0.09	0.08	pCi/g	
SLD02600	SLD02754					Thorium-230	0.66	3.40	5.42	pCi/g	
SLD02600	SLD02754					Thorium-232	0.87	0.09	0.08	pCi/g	
SLD02600	SLD02754					Uranium-235	0.30	0.13	0.16	pCi/g	
SLD02600	SLD02754					Uranium-238	3.68	0.68	3.66	pCi/g	
SLD02604	SLD02604	8/17/99	1.0	1.5	0.5	Actinium-227	0.83	0.12	0.17	pCi/g	0.52
SLD02604	SLD02604					Americium-241	0.00	0.05	0.07	pCi/g	

Table 3-1
Plants 6EH and 6E
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Sample Location	Sample Number	Collection Date	Start Depth (feet) bgs	End Depth (feet) bgs	Thickness of Cover Material (ft)	Parameter	Result	Error	Detection Limit	Units	Sum of Ratios Value
SLD02604	SLD02604					Cesium-137	0.03	0.02	0.03	pCi/g	
SLD02604	SLD02604					Pa-231	1.38	0.50	0.80	pCi/g	
SLD02604	SLD02604					Potassium-40	14.50	1.61	0.34	pCi/g	
SLD02604	SLD02604					Radium-226	1.64	0.10	0.05	pCi/g	
SLD02604	SLD02604					Radium-228	0.87	0.10	0.08	pCi/g	
SLD02604	SLD02604					Thorium-228	1.23	0.53	0.24	pCi/g	
SLD02604	SLD02604					Thorium-230	7.25	1.68	0.13	pCi/g	
SLD02604	SLD02604					Thorium-232	1.23	0.53	0.24	pCi/g	
SLD02604	SLD02604					Uranium-235	0.61	0.14	0.19	pCi/g	
SLD02604	SLD02604					Uranium-238	8.69	1.16	3.65	pCi/g	
SLD02604	SLD02681	8/17/99	3.0	3.5		Actinium-227	0.35	0.13	0.22	pCi/g	1.35
SLD02604	SLD02681					Americium-241	0.02	0.04	0.06	pCi/g	
SLD02604	SLD02681					Cesium-137	0.03	0.02	0.03	pCi/g	
SLD02604	SLD02681					Pa-231	0.42	0.56	0.89	pCi/g	
SLD02604	SLD02681					Potassium-40	13.28	1.49	0.31	pCi/g	
SLD02604	SLD02681					Radium-226	1.37	0.09	0.06	pCi/g	
SLD02604	SLD02681					Radium-228	0.65	0.08	0.08	pCi/g	
SLD02604	SLD02681					Thorium-228	0.99	0.44	0.12	pCi/g	
SLD02604	SLD02681					Thorium-230	20.95	3.86	0.22	pCi/g	
SLD02604	SLD02681					Thorium-232	0.64	0.35	0.12	pCi/g	
SLD02604	SLD02681					Uranium-235	0.35	0.14	0.18	pCi/g	
SLD02604	SLD02681					Uranium-238	5.58	0.87	4.07	pCi/g	
SLD02604	SLD02758	8/17/99	5.0	5.5		Actinium-227	0.19	0.12	0.19	pCi/g	0.10
SLD02604	SLD02758					Americium-241	-0.01	0.04	0.06	pCi/g	
SLD02604	SLD02758					Cesium-137	-0.01	0.02	0.03	pCi/g	
SLD02604	SLD02758					Pa-231	-0.21	0.51	0.76	pCi/g	
SLD02604	SLD02758					Potassium-40	15.32	1.67	0.27	pCi/g	
SLD02604	SLD02758					Radium-226	0.84	0.06	0.05	pCi/g	
SLD02604	SLD02758					Radium-228	0.79	0.09	0.08	pCi/g	
SLD02604	SLD02758					Thorium-228	0.79	0.41	0.24	pCi/g	
SLD02604	SLD02758					Thorium-230	1.32	0.54	0.13	pCi/g	
SLD02604	SLD02758					Thorium-232	0.75	0.40	0.13	pCi/g	
SLD02604	SLD02758					Uranium-235	0.32	0.12	0.17	pCi/g	
SLD02604	SLD02758					Uranium-238	6.33	0.88	3.43	pCi/g	
SLD02605	SLD02605	8/16/99	2.0	2.5	1	Actinium-227	0.15	0.10	0.19	pCi/g	0.00
SLD02605	SLD02605					Americium-241	0.03	0.07	0.10	pCi/g	
SLD02605	SLD02605					Cesium-137	0.02	0.02	0.03	pCi/g	
SLD02605	SLD02605					Pa-231	0.01	0.49	0.77	pCi/g	

Table 3-1
Plants 6EH and 6E
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Sample Location	Sample Number	Collection Date	Start Depth (feet) bgs	End Depth (feet) bgs	Thickness of Cover Material (ft)	Parameter	Result	Error	Detection Limit	Units	Sum of Ratios Value
SLD02605	SLD02605					Potassium-40	9.60	1.10	0.20	pCi/g	
SLD02605	SLD02605					Radium-226	1.44	0.09	0.05	pCi/g	
SLD02605	SLD02605					Radium-228	0.71	0.09	0.08	pCi/g	
SLD02605	SLD02605					Thorium-228	0.71	0.09	0.08	pCi/g	
SLD02605	SLD02605					Thorium-230	-2.85	5.09	8.34	pCi/g	
SLD02605	SLD02605					Thorium-232	0.71	0.09	0.08	pCi/g	
SLD02605	SLD02605					Uranium-235	0.19	0.14	0.17	pCi/g	
SLD02605	SLD02605					Uranium-238	1.51	0.80	3.73	pCi/g	
SLD02605	SLD02682	8/16/99	3.5	4.0		Actinium-227	0.09	0.17	0.25	pCi/g	0.09
SLD02605	SLD02682					Americium-241	0.07	0.09	0.15	pCi/g	
SLD02605	SLD02682					Cesium-137	0.01	0.03	0.04	pCi/g	
SLD02605	SLD02682					Pa-231	0.58	0.69	1.12	pCi/g	
SLD02605	SLD02682					Potassium-40	10.52	1.21	0.39	pCi/g	
SLD02605	SLD02682					Radium-226	3.33	0.18	0.07	pCi/g	
SLD02605	SLD02682					Radium-228	1.14	0.13	0.11	pCi/g	
SLD02605	SLD02682					Thorium-228	1.14	0.13	0.11	pCi/g	
SLD02605	SLD02682					Thorium-230	-1.99	7.36	12.14	pCi/g	
SLD02605	SLD02682					Thorium-232	1.14	0.13	0.11	pCi/g	
SLD02605	SLD02682					Uranium-235	0.37	0.22	0.25	pCi/g	
SLD02605	SLD02682					Uranium-238	3.71	1.30	4.64	pCi/g	
SLD02605	SLD02759	8/16/99	5.5	6.0		Actinium-227	0.26	0.15	0.23	pCi/g	0.04
SLD02605	SLD02759					Americium-241	0.10	0.08	0.13	pCi/g	
SLD02605	SLD02759					Cesium-137	0.00	0.02	0.03	pCi/g	
SLD02605	SLD02759					Pa-231	0.02	0.61	0.94	pCi/g	
SLD02605	SLD02759					Potassium-40	9.20	1.08	0.32	pCi/g	
SLD02605	SLD02759					Radium-226	2.42	0.13	0.06	pCi/g	
SLD02605	SLD02759					Radium-228	1.28	0.11	0.09	pCi/g	
SLD02605	SLD02759					Thorium-228	1.28	0.11	0.09	pCi/g	
SLD02605	SLD02759					Thorium-230	-0.62	6.20	10.29	pCi/g	
SLD02605	SLD02759					Thorium-232	1.28	0.11	0.09	pCi/g	
SLD02605	SLD02759					Uranium-235	0.24	0.16	0.20	pCi/g	
SLD02605	SLD02759					Uranium-238	2.14	1.02	3.95	pCi/g	
SLD02607	SLD02607	8/4/99	1.0	1.5	0.5	Actinium-227	8.98	0.45	0.27	pCi/g	2.35
SLD02607	SLD02607					Americium-241	0.05	0.09	0.13	pCi/g	
SLD02607	SLD02607					Cesium-137	0.02	0.03	0.04	pCi/g	
SLD02607	SLD02607					Pa-231	10.09	1.09	1.19	pCi/g	
SLD02607	SLD02607					Potassium-40	12.02	1.39	0.37	pCi/g	
SLD02607	SLD02607					Radium-226	6.84	0.33	0.08	pCi/g	

Table 3-1
Plants 6EH and 6E
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Sample Location	Sample Number	Collection Date	Start Depth (feet) bgs	End Depth (feet) bgs	Thickness of Cover Material (ft)	Parameter	Result	Error	Detection Limit	Units	Sum of Ratios Value
SLD02607	SLD02607					Radium-228	1.27	0.12	0.11	pCi/g	
SLD02607	SLD02607					Thorium-228	1.27	0.12	0.11	pCi/g	
SLD02607	SLD02607					Thorium-230	22.66	11.28	13.10	pCi/g	
SLD02607	SLD02607					Thorium-232	1.27	0.12	0.11	pCi/g	
SLD02607	SLD02607					Uranium-235	4.05	0.39	0.34	pCi/g	
SLD02607	SLD02607					Uranium-238	48.81	4.14	4.54	pCi/g	
SLD02607	SLD02684	8/4/99	3.0	3.5		Actinium-227	0.09	0.08	0.24	pCi/g	0.00
SLD02607	SLD02684					Americium-241	0.00	0.04	0.06	pCi/g	
SLD02607	SLD02684					Cesium-137	0.00	0.02	0.03	pCi/g	
SLD02607	SLD02684					Pa-231	0.06	0.54	0.84	pCi/g	
SLD02607	SLD02684					Potassium-40	16.65	1.83	0.33	pCi/g	
SLD02607	SLD02684					Radium-226	1.10	0.08	0.05	pCi/g	
SLD02607	SLD02684					Radium-228	0.83	0.10	0.08	pCi/g	
SLD02607	SLD02684					Thorium-228	0.94	0.47	0.29	pCi/g	
SLD02607	SLD02684					Thorium-230	1.15	0.52	0.29	pCi/g	
SLD02607	SLD02684					Thorium-232	0.91	0.45	0.25	pCi/g	
SLD02607	SLD02684					Uranium-235	0.16	0.14	0.18	pCi/g	
SLD02607	SLD02684					Uranium-238	1.43	0.65	3.96	pCi/g	
SLD02607	SLD02761	8/4/99	5.0	5.5		Actinium-227	0.23	0.12	0.23	pCi/g	0.03
SLD02607	SLD02761					Americium-241	-0.02	0.04	0.05	pCi/g	
SLD02607	SLD02761					Cesium-137	-0.01	0.02	0.03	pCi/g	
SLD02607	SLD02761					Pa-231	0.50	0.54	0.86	pCi/g	
SLD02607	SLD02761					Potassium-40	14.08	1.56	0.27	pCi/g	
SLD02607	SLD02761					Radium-226	1.33	0.09	0.05	pCi/g	
SLD02607	SLD02761					Radium-228	0.78	0.09	0.07	pCi/g	
SLD02607	SLD02761					Thorium-228	1.16	0.49	0.21	pCi/g	
SLD02607	SLD02761					Thorium-230	1.93	0.65	0.11	pCi/g	
SLD02607	SLD02761					Thorium-232	0.87	0.41	0.21	pCi/g	
SLD02607	SLD02761					Uranium-235	0.26	0.11	0.16	pCi/g	
SLD02607	SLD02761					Uranium-238	2.74	0.69	4.22	pCi/g	
SLD02614	SLD02614	8/4/99	2.0	2.5	0.7	Actinium-227	1.48	0.18	0.22	pCi/g	2.02
SLD02614	SLD02614					Americium-241	0.19	0.13	0.20	pCi/g	
SLD02614	SLD02614					Cesium-137	0.01	0.02	0.04	pCi/g	
SLD02614	SLD02614					Pa-231	2.19	0.75	1.05	pCi/g	
SLD02614	SLD02614					Potassium-40	12.52	1.58	0.32	pCi/g	
SLD02614	SLD02614					Radium-226	2.53	0.17	0.07	pCi/g	
SLD02614	SLD02614					Radium-228	0.80	0.11	0.10	pCi/g	
SLD02614	SLD02614					Thorium-228	0.80	0.11	0.10	pCi/g	

Table J-1
Plants 6EH and 6E
Pre-Design Investigation Radionuclide Analytical Results
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Sample Location	Sample Number	Collection Date	Start Depth (feet) bgs	End Depth (feet) bgs	Thickness of Cover Material (ft)	Parameter	Result	Error	Detection Limit	Units	Sum of Ratios Value
SLD02614	SLD02614					Thorium-230	29.78	14.17	16.13	pCi/g	
SLD02614	SLD02614					Thorium-232	0.80	0.11	0.10	pCi/g	
SLD02614	SLD02614					Uranium-235	0.84	0.20	0.26	pCi/g	
SLD02614	SLD02614					Uranium-238	9.55	1.78	4.80	pCi/g	
SLD02614	SLD02691	8/4/99	3.5	4.0		Actinium-227	0.37	0.18	0.28	pCi/g	0.28
SLD02614	SLD02691					Americium-241	0.06	0.11	0.17	pCi/g	
SLD02614	SLD02691					Cesium-137	0.00	0.02	0.04	pCi/g	
SLD02614	SLD02691					Pa-231	0.42	0.70	1.16	pCi/g	
SLD02614	SLD02691					Potassium-40	7.66	1.10	0.43	pCi/g	
SLD02614	SLD02691					Radium-226	1.73	0.13	0.07	pCi/g	
SLD02614	SLD02691					Radium-228	0.38	0.09	0.10	pCi/g	
SLD02614	SLD02691					Thorium-228	1.17	0.54	0.14	pCi/g	
SLD02614	SLD02691					Thorium-230	6.11	1.54	0.31	pCi/g	
SLD02614	SLD02691					Thorium-232	0.92	0.46	0.14	pCi/g	
SLD02614	SLD02691					Uranium-235	0.25	0.24	0.26	pCi/g	
SLD02614	SLD02691					Uranium-238	1.37	1.19	4.06	pCi/g	
SLD02626	SLD02626	7/27/99	2.5	3.0	0.9	Actinium-227	6.87	0.45	0.28	pCi/g	3.82
SLD02626	SLD02626					Americium-241	0.22	0.20	0.30	pCi/g	
SLD02626	SLD02626					Cesium-137	-0.01	0.03	0.04	pCi/g	
SLD02626	SLD02626					Pa-231	8.42	1.17	1.25	pCi/g	
SLD02626	SLD02626					Potassium-40	13.12	1.60	0.29	pCi/g	
SLD02626	SLD02626					Radium-226	2.57	0.17	0.08	pCi/g	
SLD02626	SLD02626					Radium-228	1.17	0.14	0.10	pCi/g	
SLD02626	SLD02626					Thorium-228	1.88	0.70	0.25	pCi/g	
SLD02626	SLD02626					Thorium-230	48.72	8.87	0.13	pCi/g	
SLD02626	SLD02626					Thorium-232	1.53	0.61	0.13	pCi/g	
SLD02626	SLD02626					Uranium-235	3.01	0.37	0.38	pCi/g	
SLD02626	SLD02626					Uranium-238	34.58	3.97	4.51	pCi/g	
SLD02626	SLD02703	7/27/99	4.0	4.5		Actinium-227	0.08	0.09	0.17	pCi/g	0.14
SLD02626	SLD02703					Americium-241	0.02	0.09	0.13	pCi/g	
SLD02626	SLD02703					Cesium-137	0.00	0.02	0.03	pCi/g	
SLD02626	SLD02703					Pa-231	-0.27	0.51	0.76	pCi/g	
SLD02626	SLD02703					Potassium-40	14.64	1.70	0.20	pCi/g	
SLD02626	SLD02703					Radium-226	0.79	0.07	0.05	pCi/g	
SLD02626	SLD02703					Radium-228	0.61	0.09	0.07	pCi/g	
SLD02626	SLD02703					Thorium-228	0.61	0.09	0.07	pCi/g	
SLD02626	SLD02703					Thorium-230	-2.74	6.85	10.20	pCi/g	
SLD02626	SLD02703					Thorium-232	0.61	0.09	0.07	pCi/g	

Table 3-1
Plants 6EH and 6E
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Sample Location	Sample Number	Collection Date	Start Depth (feet) bgs	End Depth (feet) bgs	Thickness of Cover Material (ft)	Parameter	Result	Error	Detection Limit	Units	Sum of Ratios Value
SLD02626	SLD02703					Uranium-235	0.41	0.12	0.16	pCi/g	
SLD02626	SLD02703					Uranium-238	8.55	1.57	3.67	pCi/g	
SLD02626	SLD02780	7/27/99	6.0	6.5		Actinium-227	0.15	0.12	0.18	pCi/g	0.00
SLD02626	SLD02780					Americium-241	-0.02	0.08	0.12	pCi/g	
SLD02626	SLD02780					Cesium-137	0.00	0.02	0.03	PCi/g	
SLD02626	SLD02780					Pa-231	-0.03	0.54	0.83	pCi/g	
SLD02626	SLD02780					Potassium-40	15.39	1.79	0.23	pCi/g	
SLD02626	SLD02780					Radium-226	0.94	0.08	0.05	pCi/g	
SLD02626	SLD02780					Radium-228	0.87	0.10	0.07	pCi/g	
SLD02626	SLD02780					Thorium-228	0.87	0.10	0.07	pCi/g	
SLD02626	SLD02780					Thorium-230	1.29	6.32	9.67	pCi/g	
SLD02626	SLD02780					Thorium-232	0.87	0.10	0.07	pCi/g	
SLD02626	SLD02780					Uranium-235	-0.04	0.10	0.17	pCi/g	
SLD02626	SLD02780					Uranium-238	1.56	0.96	3.33	pCi/g	
SLD02629	SLD02629	8/18/99	1.5	2.0	1	Actinium-227	0.38	0.14	0.22	pCi/g	0.41
SLD02629	SLD02629					Americium-241	0.04	0.05	0.08	pCi/g	
SLD02629	SLD02629					Cesium-137	-0.02	0.02	0.03	pCi/g	
SLD02629	SLD02629					Pa-231	-0.15	0.61	0.93	pCi/g	
SLD02629	SLD02629					Potassium-40	8.96	1.10	0.28	pCi/g	
SLD02629	SLD02629					Radium-226	2.15	0.12	0.06	pCi/g	
SLD02629	SLD02629					Radium-228	0.90	0.10	0.09	pCi/g	
SLD02629	SLD02629					Thorium-228	1.15	0.52	0.29	pCi/g	
SLD02629	SLD02629					Thorium-230	2.70	0.87	0.36	pCi/g	
SLD02629	SLD02629					Thorium-232	1.28	0.54	0.13	pCi/g	
SLD02629	SLD02629					Uranium-235	1.00	0.17	0.20	pCi/g	
SLD02629	SLD02629					Uranium-238	17.91	1.88	3.93	pCi/g	
SLD02629	SLD02706	8/18/99	3.5	4.0		Actinium-227	0.17	0.11	0.17	pCi/g	0.00
SLD02629	SLD02706					Americium-241	0.02	0.03	0.05	pCi/g	
SLD02629	SLD02706					Cesium-137	-0.01	0.02	0.02	pCi/g	
SLD02629	SLD02706					Pa-231	-0.02	0.48	0.73	pCi/g	
SLD02629	SLD02706					Potassium-40	11.68	1.29	0.24	pCi/g	
SLD02629	SLD02706					Radium-226	1.42	0.09	0.05	pCi/g	
SLD02629	SLD02706					Radium-228	0.82	0.09	0.06	pCi/g	
SLD02629	SLD02706					Thorium-228	1.28	0.56	0.30	pCi/g	
SLD02629	SLD02706					Thorium-230	1.35	0.57	0.25	pCi/g	
SLD02629	SLD02706					Thorium-232	0.75	0.41	0.14	pCi/g	
SLD02629	SLD02706					Uranium-235	0.13	0.13	0.16	pCi/g	

Table 3-1
Plants 6EH and 6E
Pre-Design Investigation Radionuclide Analytical Results
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Sample Location	Sample Number	Collection Date	Start Depth (feet) bgs	End Depth (feet) bgs	Thickness of Cover Material (ft)	Parameter	Result	Error	Detection Limit	Units	Sum of Ratios Value
SLD02629	SLD02706					Uranium-238	1.19	0.39	3.65	pCi/g	
SLD02629	SLD02783	8/18/99	5.5	6.0		Actinium-227	0.29	0.43	0.66	pCi/g	0.16
SLD02629	SLD02783					Americium-241	0.01	0.10	0.15	pCi/g	
SLD02629	SLD02783					Cesium-137	0.05	0.07	0.13	pCi/g	
SLD02629	SLD02783					Pa-231	0.26	1.94	3.07	pCi/g	
SLD02629	SLD02783					Potassium-40	11.37	2.22	1.36	pCi/g	
SLD02629	SLD02783					Radium-226	3.55	0.33	0.22	pCi/g	
SLD02629	SLD02783					Radium-228	1.01	0.29	0.30	pCi/g	
SLD02629	SLD02783					Thorium-228	1.01	0.49	0.33	pCi/g	
SLD02629	SLD02783					Thorium-230	3.42	1.01	0.25	pCi/g	
SLD02629	SLD02783					Thorium-232	0.88	0.45	0.25	pCi/g	
SLD02629	SLD02783					Uranium-235	0.18	0.44	0.61	pCi/g	
SLD02629	SLD02783					Uranium-238	4.02	1.74	8.85	pCi/g	
SLD02631	SLD02631	8/2/99	1.5	2.0	1.1	Actinium-227	0.09	0.06	0.12	PCi/g	0.00
SLD02631	SLD02631					Americium-241	0.02	0.03	0.03	PCi/g	
SLD02631	SLD02631					Cesium-137	0.00	0.01	0.02	PCi/g	
SLD02631	SLD02631					Pa-231	0.29	0.30	0.48	PCi/g	
SLD02631	SLD02631					Potassium-40	6.71	0.78	0.19	PCi/g	
SLD02631	SLD02631					Radium-226	0.99	0.06	0.03	PCi/g	
SLD02631	SLD02631					Radium-228	0.36	0.05	0.05	PCi/g	
SLD02631	SLD02631					Thorium-228	0.36	0.05	0.05	PCi/g	
SLD02631	SLD02631					Thorium-230	0.64	2.12	3.38	PCi/g	
SLD02631	SLD02631					Thorium-232	0.36	0.05	0.05	PCi/g	
SLD02631	SLD02631					Uranium-235	0.09	0.06	0.10	PCi/g	
SLD02631	SLD02631					Uranium-238	1.25	0.34	2.18	PCi/g	
SLD02631	SLD02708	8/2/99	3.5	4.0		Actinium-227	6.09	0.39	0.40	PCi/g	2.11
SLD02631	SLD02708					Americium-241	0.15	0.10	0.15	PCi/g	
SLD02631	SLD02708					Cesium-137	0.05	0.04	0.06	PCi/g	
SLD02631	SLD02708					Pa-231	5.08	0.86	2.13	PCi/g	
SLD02631	SLD02708					Potassium-40	11.34	1.45	0.71	PCi/g	
SLD02631	SLD02708					Radium-226	27.15	1.21	0.12	PCi/g	
SLD02631	SLD02708					Radium-228	1.08	0.13	0.16	PCi/g	
SLD02631	SLD02708					Thorium-228	1.08	0.13	0.16	PCi/g	
SLD02631	SLD02708					Thorium-230	6.53	9.89	15.25	PCi/g	
SLD02631	SLD02708					Thorium-232	1.08	0.13	0.16	PCi/g	
SLD02631	SLD02708					Uranium-235	2.53	0.38	0.45	PCi/g	
SLD02631	SLD02708					Uranium-238	25.50	2.69	7.81	PCi/g	

Table 3-1
Plants 6EH and 6E
Pre-Design Investigation Radionuclide Analytical Results
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Sample Location	Sample Number	Collection Date	Start Depth (feet) bgs	End Depth (feet) bgs	Thickness of Cover Material (ft)	Parameter	Result	Error	Detection Limit	Units	Sum of Ratios Value
SLD02631	SLD02785	8/2/99	6.0	6.5		Actinium-227	0.24	0.12	0.18	PCi/g	0.09
SLD02631	SLD02785					Americium-241	0.02	0.04	0.05	PCi/g	
SLD02631	SLD02785					Cesium-137	0.00	0.02	0.02	PCi/g	
SLD02631	SLD02785					Pa-231	0.40	0.45	0.70	PCi/g	
SLD02631	SLD02785					Potassium-40	8.71	1.00	0.25	PCi/g	
SLD02631	SLD02785					Radium-226	2.23	0.12	0.04	PCi/g	
SLD02631	SLD02785					Radium-228	0.54	0.07	0.06	PCi/g	
SLD02631	SLD02785					Thorium-228	0.54	0.07	0.08	PCi/g	
SLD02631	SLD02785					Thorium-230	1.09	3.26	5.00	PCi/g	
SLD02631	SLD02785					Thorium-232	0.54	0.07	0.06	PCi/g	
SLD02631	SLD02785					Uranium-235	0.47	0.12	0.15	PCi/g	
SLD02631	SLD02785					Uranium-238	6.00	0.86	3.07	PCi/g	
SLD02633	SLD02633	7/26/99	2.0	2.5	1.1	Actinium-227	0.59	0.21	0.31	pCi/g	1.28
SLD02633	SLD02633					Americium-241	0.09	0.14	0.21	pCi/g	
SLD02633	SLD02633					Cesium-137	0.00	0.03	0.04	pCi/g	
SLD02633	SLD02633					Pa-231	0.79	0.80	1.29	pCi/g	
SLD02633	SLD02633					Potassium-40	11.90	1.52	0.39	pCi/g	
SLD02633	SLD02633					Radium-226	4.53	0.27	0.08	pCi/g	
SLD02633	SLD02633					Radium-228	0.96	0.12	0.11	pCi/g	
SLD02633	SLD02633					Thorium-228	1.56	0.69	0.31	pCi/g	
SLD02633	SLD02633					Thorium-230	17.25	3.77	0.16	pCi/g	
SLD02633	SLD02633					Thorium-232	1.39	0.64	0.16	pCi/g	
SLD02633	SLD02633					Uranium-235	0.83	0.22	0.29	pCi/g	
SLD02633	SLD02633					Uranium-238	13.01	1.97	5.21	pCi/g	
SLD02633	SLD02710	7/26/99	3.5	4.0		Actinium-227	-0.02	0.10	0.15	pCi/g	0.12
SLD02633	SLD02710					Americium-241	0.05	0.07	0.11	pCi/g	
SLD02633	SLD02710					Cesium-137	-0.01	0.01	0.02	pCi/g	
SLD02633	SLD02710					Pa-231	-0.12	0.46	0.71	pCi/g	
SLD02633	SLD02710					Potassium-40	10.59	1.29	0.22	pCi/g	
SLD02633	SLD02710					Radium-226	0.76	0.06	0.05	pCi/g	
SLD02633	SLD02710					Radium-228	0.60	0.08	0.06	pCi/g	
SLD02633	SLD02710					Thorium-228	1.62	0.72	0.48	pCi/g	
SLD02633	SLD02710					Thorium-230	3.20	1.06	0.30	pCi/g	
SLD02633	SLD02710					Thorium-232	0.83	0.48	0.30	pCi/g	
SLD02633	SLD02710					Uranium-235	0.08	0.09	0.16	pCi/g	
SLD02633	SLD02710					Uranium-238	2.87	1.71	3.50	pCi/g	
SLD02633	SLD02787	7/26/99	5.5	6.0		Actinium-227	0.10	0.12	0.19	pCi/g	0.03
SLD02633	SLD02787					Americium-241	0.06	0.08	0.13	pCi/g	

Table 3-1
Plants 6EH and 6E
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Sample Location	Sample Number	Collection Date	Start Depth (feet) bgs	End Depth (feet) bgs	Thickness of Cover Material (ft)	Parameter	Result	Error	Detection Limit	Units	Sum of Ratios Value
SLD02633	SLD02787					Cesium-137	-0.01	0.02	0.03	pCi/g	
SLD02633	SLD02787					Pa-231	-0.30	0.56	0.84	pCi/g	
SLD02633	SLD02787					Potassium-40	10.99	1.40	0.23	pCi/g	
SLD02633	SLD02787					Radium-226	0.93	0.08	0.06	pCi/g	
SLD02633	SLD02787					Radium-228	0.62	0.08	0.08	pCi/g	
SLD02633	SLD02787					Thorium-228	1.21	0.54	0.25	pCi/g	
SLD02633	SLD02787					Thorium-230	2.26	0.77	0.13	pCi/g	
SLD02633	SLD02787					Thorium-232	0.83	0.43	0.13	pCi/g	
SLD02633	SLD02787					Uranium-235	0.05	0.11	0.19	pCi/g	
SLD02633	SLD02787					Uranium-238	1.52	1.01	4.46	pCi/g	
SLD02636	SLD02636	7/21/99	2.5	3.0	1.5	Actinium-227	21.27	0.96	0.37	pCi/g	7.03
SLD02636	SLD02636					Americium-241	0.14	0.11	0.17	pCi/g	
SLD02636	SLD02636					Cesium-137	0.01	0.03	0.05	pCi/g	
SLD02636	SLD02636					Pa-231	24.99	2.15	1.68	pCi/g	
SLD02636	SLD02636					Potassium-40	12.70	1.49	0.44	pCi/g	
SLD02636	SLD02636					Radium-226	9.99	0.48	0.10	pCi/g	
SLD02636	SLD02636					Radium-228	1.33	0.13	0.12	pCi/g	
SLD02636	SLD02636					Thorium-228	1.33	0.13	0.12	pCi/g	
SLD02636	SLD02636					Thorium-230	85.08	16.58	17.59	pCi/g	
SLD02636	SLD02636					Thorium-232	1.33	0.13	0.12	pCi/g	
SLD02636	SLD02636					Uranium-235	7.00	0.60	0.47	pCi/g	
SLD02636	SLD02636					Uranium-238	74.47	6.34	5.55	pCi/g	
SLD02636	SLD02713	7/21/99	4.5	5.0		Actinium-227	0.26	0.11	0.17	pCi/g	0.02
SLD02636	SLD02713					Americium-241	0.00	0.03	0.05	pCi/g	
SLD02636	SLD02713					Cesium-137	-0.01	0.02	0.03	pCi/g	
SLD02636	SLD02713					Pa-231	-	0.01	0.46	0.68	pCi/g
SLD02636	SLD02713					Potassium-40	16.06	1.73	0.27	pCi/g	
SLD02636	SLD02713					Radium-226	0.84	0.06	0.05	pCi/g	
SLD02636	SLD02713					Radium-228	0.83	0.09	0.07	pCi/g	
SLD02636	SLD02713					Thorium-228	0.83	0.09	0.07	pCi/g	
SLD02636	SLD02713					Thorium-230	-0.71	2.89	4.68	pCi/g	
SLD02636	SLD02713					Thorium-232	0.83	0.09	0.07	pCi/g	
SLD02636	SLD02713					Uranium-235	0.21	0.12	0.14	pCi/g	
SLD02636	SLD02713					Uranium-238	2.61	0.57	3.44	pCi/g	
SLD02636	SLD02790	7/21/99	6.0	6.5		Actinium-227	0.25	0.11	0.17	pCi/g	0.26
SLD02636	SLD02790					Americium-241	0.01	0.03	0.05	pCi/g	
SLD02636	SLD02790					Cesium-137	-0.01	0.02	0.03	pCi/g	
SLD02636	SLD02790					Pa-231	0.22	0.45	0.68	pCi/g	

Table 3-1
Plants 6EH and 6E
Pre-Design Investigation Radionuclide Analytical Results
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Sample Location	Sample Number	Collection Date	Start Depth (feet) bgs	End Depth (feet) bgs	Thickness of Cover Material (ft)	Parameter	Result	Error	Detection Limit	Units	Sum of Ratios Value
SLD02636	SLD02790					Potassium-40	15.68	1.67	0.22	pCi/g	
SLD02636	SLD02790					Radium-226	0.88	0.06	0.04	pCi/g	
SLD02636	SLD02790					Radium-228	0.84	0.09	0.07	pCi/g	
SLD02636	SLD02790					Thorium-228	0.84	0.09	0.07	pCi/g	
SLD02636	SLD02790					Thorium-230	5.09	4.09	4.55	pCi/g	
SLD02636	SLD02790					Thorium-232	0.84	0.09	0.07	pCi/g	
SLD02636	SLD02790					Uranium-235	0.20	0.11	0.13	pCi/g	
SLD02636	SLD02790					Uranium-238	3.80	0.70	3.32	pCi/g	
SLD02637	SLD02637	7/20/99	2.0	2.5	1.9	Actinium-227	1.48	0.15	0.19	pCi/g	1.30
SLD02637	SLD02637					Americium-241	0.01	0.05	0.08	PCi/g	
SLD02637	SLD02637					Cesium-137	0.01	0.02	0.03	PCi/g	
SLD02637	SLD02637					Pa-231	1.12	0.44	1.18	PCi/g	
SLD02637	SLD02637					Potassium-40	10.73	1.26	0.36	PCi/g	
SLD02637	SLD02637					Radium-226	5.17	0.26	0.06	PCi/g	
SLD02637	SLD02637					Radium-228	0.90	0.10	0.09	PCi/g	
SLD02637	SLD02637					Thorium-228	1.55	0.61	0.13	PCi/g	
SLD02637	SLD02637					Thorium-230	18.10	3.58	0.13	PCi/g	
SLD02637	SLD02637					Thorium-232	0.90	0.45	0.24	PCi/g	
SLD02637	SLD02637					Uranium-235	0.92	0.18	0.22	PCi/g	
SLD02637	SLD02637					Uranium-238	12.15	1.44	4.15	PCi/g	
SLD02637	SLD02714	7/20/99	4.5	5.0		Actinium-227	0.17	0.12	0.19	pCi/g	0.28
SLD02637	SLD02714					Americium-241	0.02	0.04	0.07	pCi/g	
SLD02637	SLD02714					Cesium-137	0.00	0.02	0.03	pCi/g	
SLD02637	SLD02714					Pa-231	0.33	0.54	0.82	pCi/g	
SLD02637	SLD02714					Potassium-40	13.43	1.51	0.32	pCi/g	
SLD02637	SLD02714					Radium-226	1.61	0.10	0.05	pCi/g	
SLD02637	SLD02714					Radium-228	0.87	0.09	0.08	pCi/g	
SLD02637	SLD02714					Thorium-228	0.68	0.38	0.27	PCi/g	
SLD02637	SLD02714					Thorium-230	2.49	0.78	0.12	PCi/g	
SLD02637	SLD02714					Thorium-232	0.95	0.44	0.12	PCi/g	
SLD02637	SLD02714					Uranium-235	0.74	0.15	0.18	PCi/g	
SLD02637	SLD02714					Uranium-238	13.60	1.53	3.77	pCi/g	
SLD02637	SLD02791	7/20/99	7.0	7.5		Actinium-227	0.21	0.13	0.20	pCi/g	0.01
SLD02637	SLD02791					Americium-241	0.03	0.04	0.06	pCi/g	
SLD02637	SLD02791					Cesium-137	0.02	0.03	0.03	PCi/g	
SLD02637	SLD02791					Pa-231	0.18	0.56	0.83	pCi/g	
SLD02637	SLD02791					Potassium-40	10.97	1.25	0.32	PCi/g	
SLD02637	SLD02791					Radium-226	2.94	0.16	0.06	pCi/g	

Table J-1
Plants 6EH and 6E
Pre-Design Investigation Radionuclide Analytical Results
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Sample Location	Sample Number	Collection Date	Start Depth (feet) bgs	End Depth (feet) bgs	Thickness of Cover Material (ft)	Parameter	Result	Error	Detection Limit	Units	Sum of Ratios Value
SLD02637	SLD02791					Radium-228	0.95	0.10	0.08	pCi/g	
SLD02637	SLD02791					Thorium-228	1.02	0.49	0.13	pCi/g	
SLD02637	SLD02791					Thorium-230	2.59	0.83	0.13	pCi/g	
SLD02637	SLD02791					Thorium-232	1.26	0.54	0.25	pCi/g	
SLD02637	SLD02791					Uranium-235	0.28	0.13	0.17	pCi/g	
SLD02637	SLD02791					Uranium-238	2.21	0.66	4.42	pCi/g	
SLD02643	SLD02643	7/27/99	2.0	2.5	1	Actinium-227	1.90	0.17	0.22	pCi/g	1.05
SLD02643	SLD02643					Americium-241	0.07	0.06	0.09	pCi/g	
SLD02643	SLD02643					Cesium-137	-0.01	0.03	0.04	pCi/g	
SLD02643	SLD02643					Pa-231	1.71	0.67	1.10	pCi/g	
SLD02643	SLD02643					Potassium-40	11.77	1.34	0.42	pCi/g	
SLD02643	SLD02643					Radium-226	7.37	0.35	0.07	pCi/g	
SLD02643	SLD02643					Radium-228	0.86	0.09	0.09	pCi/g	
SLD02643	SLD02643					Thorium-228	0.86	0.09	0.09	pCi/g	
SLD02643	SLD02643					Thorium-230	11.87	6.17	8.85	pCi/g	
SLD02643	SLD02643					Thorium-232	0.86	0.09	0.09	pCi/g	
SLD02643	SLD02643					Uranium-235	1.49	0.22	0.25	pCi/g	
SLD02643	SLD02643					Uranium-238	20.71	2.09	4.25	pCi/g	
SLD02643	SLD02720	7/27/99	4.0	4.5		Actinium-227	1.19	0.15	0.22	pCi/g	0.75
SLD02643	SLD02720					Americium-241	0.03	0.05	0.08	pCi/g	
SLD02643	SLD02720					Cesium-137	0.02	0.02	0.04	pCi/g	
SLD02643	SLD02720					Pa-231	1.42	0.54	1.17	pCi/g	
SLD02643	SLD02720					Potassium-40	11.31	1.31	0.45	pCi/g	
SLD02643	SLD02720					Radium-226	6.85	0.33	0.07	pCi/g	
SLD02643	SLD02720					Radium-228	0.67	0.09	0.10	pCi/g	
SLD02643	SLD02720					Thorium-228	0.67	0.09	0.10	pCi/g	
SLD02643	SLD02720					Thorium-230	10.53	6.47	8.14	pCi/g	
SLD02643	SLD02720					Thorium-232	0.67	0.09	0.10	pCi/g	
SLD02643	SLD02720					Uranium-235	0.73	0.18	0.24	pCi/g	
SLD02643	SLD02720					Uranium-238	10.32	1.29	4.75	pCi/g	
SLD02643	SLD02797	7/27/99	6.0	6.5		Actinium-227	0.17	0.09	0.15	pCi/g	0.04
SLD02643	SLD02797					Americium-241	0.01	0.03	0.05	pCi/g	
SLD02643	SLD02797					Cesium-137	0.00	0.02	0.02	pCi/g	
SLD02643	SLD02797					Pa-231	0.15	0.42	0.63	pCi/g	
SLD02643	SLD02797					Potassium-40	16.72	1.76	0.23	pCi/g	
SLD02643	SLD02797					Radium-226	1.05	0.07	0.04	pCi/g	
SLD02643	SLD02797					Radium-228	0.87	0.08	0.06	pCi/g	
SLD02643	SLD02797					Thorium-228	0.87	0.08	0.06	pCi/g	

Table 3-1
Plants 6EH and 6E
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Sample Location	Sample Number	Collection Date	Start Depth (feet) bgs	End Depth (feet) bgs	Thickness of Cover Material (ft)	Parameter	Result	Error	Detection Limit	Units	Sum of Ratios Value
SLD02643	SLD02797					Thorium-230	-1.27	2.83	4.54	pCi/g	
SLD02643	SLD02797					Thorium-232	0.87	0.08	0.06	pCi/g	
SLD02643	SLD02797					Uranium-235	0.22	0.12	0.13	pCi/g	
SLD02643	SLD02797					Uranium-238	3.20	0.61	3.19	pCi/g	
SLD02647	SLD02647	7/22/99	1.5	2.0		Actinium-227	2.33	0.22	0.21	pCi/g	2.14
SLD02647	SLD02647					Americium-241	0.11	0.15	0.23	pCi/g	
SLD02647	SLD02647					Cesium-137	0.01	0.02	0.03	pCi/g	
SLD02647	SLD02647					Pa-231	2.49	0.76	1.03	pCi/g	
SLD02647	SLD02647					Potassium-40	9.68	1.22	0.34	pCi/g	
SLD02647	SLD02647					Radium-226	1.93	0.13	0.07	pCi/g	
SLD02647	SLD02647					Radium-228	0.90	0.11	0.09	pCi/g	
SLD02647	SLD02647					Thorium-228	0.90	0.11	0.09	pCi/g	
SLD02647	SLD02647					Thorium-230	25.73	14.06	17.70	pCi/g	
SLD02647	SLD02647					Thorium-232	0.90	0.11	0.09	pCi/g	
SLD02647	SLD02647					Uranium-235	1.67	0.26	0.28	pCi/g	
SLD02647	SLD02647					Uranium-238	28.76	3.25	3.63	pCi/g	
SLD02647	SLD02724	7/22/99	3.0	3.5		Actinium-227	0.92	0.16	0.24	pCi/g	0.65
SLD02647	SLD02724					Americium-241	0.06	0.15	0.23	pCi/g	
SLD02647	SLD02724					Cesium-137	0.01	0.02	0.04	pCi/g	
SLD02647	SLD02724					Pa-231	0.78	0.84	1.36	pCi/g	
SLD02647	SLD02724					Potassium-40	11.05	1.46	0.37	pCi/g	
SLD02647	SLD02724					Radium-226	1.98	0.14	0.07	pCi/g	
SLD02647	SLD02724					Radium-228	1.25	0.15	0.10	pCi/g	
SLD02647	SLD02724					Thorium-228	1.95	0.77	0.29	pCi/g	
SLD02647	SLD02724					Thorium-230	5.67	1.53	0.29	pCi/g	
SLD02647	SLD02724					Thorium-232	1.20	0.57	0.16	pCi/g	
SLD02647	SLD02724					Uranium-235	1.26	0.25	0.27	pCi/g	
SLD02647	SLD02724					Uranium-238	20.20	2.47	4.33	pCi/g	
SLD02647	SLD02801	7/22/99	5.0	5.5		Actinium-227	0.26	0.10	0.19	pCi/g	0.19
SLD02647	SLD02801					Americium-241	0.09	0.08	0.13	pCi/g	
SLD02647	SLD02801					Cesium-137	-0.01	0.02	0.02	pCi/g	
SLD02647	SLD02801					Pa-231	0.01	0.53	0.82	pCi/g	
SLD02647	SLD02801					Potassium-40	6.98	0.90	0.23	pCi/g	
SLD02647	SLD02801					Radium-226	1.92	0.13	0.05	pCi/g	
SLD02647	SLD02801					Radium-228	0.76	0.08	0.08	pCi/g	
SLD02647	SLD02801					Thorium-228	1.76	0.73	0.39	pCi/g	
SLD02647	SLD02801					Thorium-230	4.58	1.32	0.29	pCi/g	
SLD02647	SLD02801					Thorium-232	0.93	0.49	0.16	pCi/g	

Table 3-1
Plants 6EH and 6E
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Sample Location	Sample Number	Collection Date	Start Depth (feet) bgs	End Depth (feet) bgs	Thickness of Cover Material (ft)	Parameter	Result	Error	Detection Limit	Units	Sum of Ratios Value
SLD02647	SLD02801					Uranium-235	0.13	0.13	0.18	pCi/g	
SLD02647	SLD02801					Uranium-238	1.79	0.99	3.72	pCi/g	
SLD02648	SLD02648	7/26/99	2.0	2.5	1.1	Actinium-227	1.30	0.17	0.17	pCi/g	0.21
SLD02648	SLD02648					Americium-241	0.12	0.11	0.17	pCi/g	
SLD02648	SLD02648					Cesium-137	-0.01	0.02	0.03	pCi/g	
SLD02648	SLD02648					Pa-231	1.06	0.40	1.08	pCi/g	
SLD02648	SLD02648					Potassium-40	9.65	1.20	0.23	pCi/g	
SLD02648	SLD02648					Radium-226	1.62	0.11	0.06	pCi/g	
SLD02648	SLD02648					Radium-228	0.90	0.11	0.07	PCi/g	
SLD02648	SLD02648					Thorium-228	0.90	0.11	0.07	pCi/g	
SLD02648	SLD02648					Thorium-230	-4.10	9.27	13.75	pCi/g	
SLD02648	SLD02648					Thorium-232	0.90	0.11	0.07	pCi/g	
SLD02648	SLD02648					Uranium-235	0.86	0.18	0.22	pCi/g	
SLD02648	SLD02648					Uranium-238	11.99	1.86	3.27	pCi/g	
SLD02648	SLD02725	7/26/99	4.0	4.5		Actinium-227	7.14	0.47	0.30	pCi/g	3.67
SLD02648	SLD02725					Americium-241	0.06	0.22	0.33	pCi/g	
SLD02648	SLD02725					Cesium-137	0.02	0.02	0.04	pCi/g	
SLD02648	SLD02725					Pa-231	8.74	1.23	1.23	pCi/g	
SLD02648	SLD02725					Potassium-40	10.52	1.34	0.29	pCi/g	
SLD02648	SLD02725					Radium-226	2.51	0.17	0.08	pCi/g	
SLD02648	SLD02725					Radium-228	1.02	0.12	0.11	PCi/g	
SLD02648	SLD02725					Thorium-228	1.01	0.44	0.20	pCi/g	
SLD02648	SLD02725					Thorium-230	42.81	7.12	0.11	pCi/g	
SLD02648	SLD02725					Thorium-232	0.55	0.31	0.11	pCi/g	
SLD02648	SLD02725					Uranium-235	3.61	0.42	0.40	pCi/g	
SLD02648	SLD02725					Uranium-238	48.47	4.86	4.78	pCi/g	
SLD02648	SLD02802	7/26/99	6.0	6.5		Actinium-227	0.02	0.12	0.18	pCi/g	0.05
SLD02648	SLD02802					Americium-241	0.08	0.08	0.13	pCi/g	
SLD02648	SLD02802					Cesium-137	0.00	0.02	0.03	pCi/g	
SLD02648	SLD02802					Pa-231	0.26	0.52	0.84	pCi/g	
SLD02648	SLD02802					Potassium-40	15.40	1.81	0.21	pCi/g	
SLD02648	SLD02802					Radium-226	1.01	0.08	0.06	pCi/g	
SLD02648	SLD02802					Radium-228	0.95	0.11	0.08	pCi/g	
SLD02648	SLD02802					Thorium-228	1.37	0.54	0.25	pCi/g	
SLD02648	SLD02802					Thorium-230	0.92	0.43	0.31	pCi/g	
SLD02648	SLD02802					Thorium-232	1.38	0.53	0.11	pCi/g	
SLD02648	SLD02802					Uranium-235	0.24	0.13	0.18	PCi/g	

Table 3-1
Plants 6EH and 6E
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Sample Location	Sample Number	Collection Date	Start Depth (feet) bgs	End Depth (feet) bgs	Thickness of Cover Material (ft)	Parameter	Result	Error	Detection Limit	Units	Sum of Ratios Value
SLD02648	SLD02802					Uranium-238	2.62	1.10	3.30	pCi/g	
SLD02649	SLD02649	7/28/99	2.0	2.5	1	Actinium-227	2.02	0.17	0.21	pCi/g	0.44
SLD02649	SLD02649					Americium-241	0.01	0.05	0.07	pCi/g	
SLD02649	SLD02649					Cesium-137	-0.01	0.02	0.03	pCi/g	
SLD02649	SLD02649					Pa-231	2.43	0.68	1.00	pCi/g	
SLD02649	SLD02649					Potassium-40	12.02	1.36	0.39	pCi/g	
SLD02649	SLD02649					Radium-226	6.35	0.31	0.07	pCi/g	
SLD02649	SLD02649					Radium-228	0.72	0.10	0.09	pCi/g	
SLD02649	SLD02649					Thorium-228	0.72	0.10	0.09	pCi/g	
SLD02649	SLD02649					Thorium-230	7.17	5.93	7.50	pCi/g	
SLD02649	SLD02649					Thorium-232	0.72	0.10	0.09	pCi/g	
SLD02649	SLD02649					Uranium-235	0.80	0.19	0.24	PCi/g	
SLD02649	SLD02649					Uranium-238	6.03	0.99	4.15	pCi/g	
SLD02649	SLD02726	7/28/99	4.0	4.5		Actinium-227	0.31	0.10	0.15	pCi/g	0.13
SLD02649	SLD02726					Americium-241	0.02	0.03	0.05	pCi/g	
SLD02649	SLD02726					Cesium-137	0.01	0.02	0.03	pCi/g	
SLD02649	SLD02726					Pa-231	0.50	0.50	0.77	pCi/g	
SLD02649	SLD02726					Potassium-40	13.17	1.42	0.26	pCi/g	
SLD02649	SLD02726					Radium-226	2.51	0.13	0.05	pCi/g	
SLD02649	SLD02726					Radium-228	0.77	0.08	0.07	pCi/g	
SLD02649	SLD02726					Thorium-228	0.77	0.08	0.07	pCi/g	
SLD02649	SLD02726					Thorium-230	3.01	3.99	5.13	pCi/g	
SLD02649	SLD02726					Thorium-232	0.77	0.08	0.07	pCi/g	
SLD02649	SLD02726					Uranium-235	0.29	0.13	0.16	PCi/g	
SLD02649	SLD02726					Uranium-238	4.20	0.74	3.12	pCi/g	
SLD02649	SLD02803	7/28/99	6.0	6.5		Actinium-227	0.17	0.11	0.17	pCi/g	0.01
SLD02649	SLD02803					Americium-241	0.01	0.03	0.04	pCi/g	
SLD02649	SLD02803					Cesium-137	0.01	0.01	0.02	pCi/g	
SLD02649	SLD02803					Pa-231	0.48	0.43	0.67	pCi/g	
SLD02649	SLD02803					Potassium-40	10.27	1.14	0.21	pCi/g	
SLD02649	SLD02803					Radium-226	1.77	0.10	0.04	pCi/g	
SLD02649	SLD02803					Radium-228	0.63	0.07	0.07	pCi/g	
SLD02649	SLD02803					Thorium-228	0.63	0.07	0.07	pCi/g	
SLD02649	SLD02803					Thorium-230	2.04	2.76	4.56	pCi/g	
SLD02649	SLD02803					Thorium-232	0.63	0.07	0.07	pCi/g	
SLD02649	SLD02803					Uranium-235	0.18	0.11	0.13	pCi/g	
SLD02649	SLD02803					Uranium-238	1.41	0.51	2.67	pCi/g	

Table 3-1
Plants 6EH and 6E
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Sample Location	Sample Number	Collection Date	Start Depth (feet) bgs	End Depth (feet) bgs	Thickness of Cover Material (ft)	Parameter	Result	Error	Detection Limit	Units	Sum of Ratios Value
SLD02649	SLD02862	7/28/99	8.0	8.5		Actinium-227	0.40	0.14	0.22	pCi/g	0.03
SLD02649	SLD02862					Americium-241	0.01	0.04	0.06	pCi/g	
SLD02649	SLD02862					Cesium-137	0.00	0.02	0.03	pCi/g	
SLD02649	SLD02862					Pa-231	0.23	0.58	0.86	pCi/g	
SLD02649	SLD02862					Potassium-40	12.00	1.34	0.29	pCi/g	
SLD02649	SLD02862					Radium-226	2.99	0.16	0.05	pCi/g	
SLD02649	SLD02862					Radium-228	0.93	0.10	0.08	pCi/g	
SLD02649	SLD02862					Thorium-228	0.93	0.10	0.08	pCi/g	
SLD02649	SLD02862					Thorium-230	3.78	4.37	5.55	pCi/g	
SLD02649	SLD02862					Thorium-232	0.93	0.10	0.08	pCi/g	
SLD02649	SLD02862					Uranium-235	0.32	0.13	0.17	pCi/g	
SLD02649	SLD02862					Uranium-238	2.95	0.70	3.89	pCi/g	
SLD02649	SLD02863	7/28/99	9.0	9.5		Actinium-227	0.29	0.10	0.17	pCi/g	0.00
SLD02649	SLD02863					Americium-241	0.01	0.03	0.04	pCi/g	
SLD02649	SLD02863					Cesium-137	0.00	0.01	0.02	pCi/g	
SLD02649	SLD02863					Pa-231	0.08	0.45	0.66	pCi/g	
SLD02649	SLD02863					Potassium-40	12.34	1.33	0.21	pCi/g	
SLD02649	SLD02863					Radium-226	1.25	0.08	0.04	pCi/g	
SLD02649	SLD02863					Radium-228	0.63	0.07	0.06	pCi/g	
SLD02649	SLD02863					Thorium-228	0.63	0.07	0.06	pCi/g	
SLD02649	SLD02863					Thorium-230	2.05	3.16	4.09	pCi/g	
SLD02649	SLD02863					Thorium-232	0.63	0.07	0.06	pCi/g	
SLD02649	SLD02863					Uranium-235	0.02	0.08	0.13	pCi/g	
SLD02649	SLD02863					Uranium-238	1.33	0.33	2.69	pCi/g	
SLD02649	SLD02864	7/28/99	11.0	11.5		Actinium-227	0.16	0.10	0.15	pCi/g	0.00
SLD02649	SLD02864					Americium-241	0.01	0.03	0.04	pCi/g	
SLD02649	SLD02864					Cesium-137	0.00	0.02	0.02	pCi/g	
SLD02649	SLD02864					Pa-231	0.05	0.41	0.61	pCi/g	
SLD02649	SLD02864					Potassium-40	7.70	0.93	0.24	pCi/g	
SLD02649	SLD02864					Radium-226	1.29	0.08	0.04	pCi/g	
SLD02649	SLD02864					Radium-228	0.49	0.07	0.06	pCi/g	
SLD02649	SLD02864					Thorium-228	0.49	0.07	0.06	pCi/g	
SLD02649	SLD02864					Thorium-230	2.38	2.80	4.15	pCi/g	
SLD02649	SLD02864					Thorium-232	0.49	0.07	0.06	pCi/g	
SLD02649	SLD02864					Uranium-235	0.13	0.11	0.13	pCi/g	
SLD02649	SLD02864					Uranium-238	1.20	0.44	2.87	pCi/g	
SLD02649	SLD02865	7/28/99	14.0	14.5		Actlnium-227	0.12	0.09	0.14	pCi/g	0.01
SLD02649	SLD02865					Americium-241	0.01	0.03	0.04	pCi/g	

Table 3-1
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Sample Location	Sample Number	Collection Date	Start Depth (feet) bgs	End Depth (feet) bgs	Thickness of Cover Material (ft)	Parameter	Result	Error	Detection Limit	Units	Sum of Ratios Value
SLD02649	SLD02865					Cesium-137	0.01	0.01	0.02	pCi/g	
SLD02649	SLD02865					Pa-231	0.22	0.39	0.59	pCi/g	
SLD02649	SLD02865					Potassium-40	6.19	0.75	0.20	pCi/g	
SLD02649	SLD02865					Radium-226	1.30	0.08	0.04	pCi/g	
SLD02649	SLD02865					Radium-228	0.37	0.06	0.05	pCi/g	
SLD02649	SLD02865					Thorium-228	0.37	0.06	0.05	pCi/g	
SLD02649	SLD02865					Thorium-230	2.31	2.90	3.67	pCi/g	
SLD02649	SLD02865					Thorium-232	0.37	0.06	0.05	pCi/g	
SLD02649	SLD02865					Uranium-235	0.12	0.10	0.12	pCi/g	
SLD02649	SLD02865					Uranium-238	1.69	0.46	2.62	pCi/g	
SLD02649	SLD02866	7/28/99	15.0	15.5		Actinium-227	8.75	1.22	0.48	pCi/g	0.07
SLD02649	SLD02866					Americium-241	0.15	0.26	0.39	pCi/g	
SLD02649	SLD02866					Cesium-137	-0.04	0.03	0.04	pCi/g	
SLD02649	SLD02866					Pa-231	0.94	0.93	1.35	pCi/g	
SLD02649	SLD02866					Potassium-40	7.93	1.22	0.50	pCi/g	
SLD02649	SLD02866					Radium-226	5.14	0.29	0.08	pCi/g	
SLD02649	SLD02866					Radium-228	0.84	0.12	0.12	pCi/g	
SLD02649	SLD02866					Thorium-228	0.84	0.12	0.12	pCi/g	
SLD02649	SLD02866					Thorium-230	-17.40	16.07	25.09	pCi/g	
SLD02649	SLD02866					Thorium-232	0.84	0.11	0.12	pCi/g	
SLD02649	SLD02866					Uranium-235	0.29	0.22	0.30	pCi/g	
SLD02649	SLD02866					Uranium-238	5.07	2.14	5.01	pCi/g	
SLD02649	SLD02867	7/28/99	17.5	18.0		Actinium-227	0.17	0.10	0.21	pCi/g	0.10
SLD02649	SLD02867					Americium-241	0.10	0.17	0.27	pCi/g	
SLD02649	SLD02867					Cesium-137	0.00	0.02	0.03	pCi/g	
SLD02649	SLD02867					Pa-231	0.43	0.58	0.93	pCi/g	
SLD02649	SLD02867					Potassium-40	13.72	1.84	0.36	pCi/g	
SLD02649	SLD02867					Radium-226	2.86	0.19	0.09	pCi/g	
SLD02649	SLD02867					Radium-228	0.86	0.14	0.13	pCi/g	
SLD02649	SLD02867					Thorium-228	0.86	0.14	0.13	pCi/g	
SLD02649	SLD02867					Thorium-230	11.61	11.73	18.90	pCi/g	
SLD02649	SLD02867					Thorium-232	0.86	0.14	0.13	pCi/g	
SLD02649	SLD02867					Uranium-235	0.04	0.14	0.21	pCi/g	
SLD02649	SLD02867					Uranium-238	2.00	1.85	4.37	pCi/g	
SLD02649	SLD02868	7/28/99	20.0	20.5		Actinium-227	0.18	0.22	0.30	pCi/g	0.03
SLD02649	SLD02868					Americium-241	0.14	0.25	0.40	pCi/g	
SLD02649	SLD02868					Cesium-137	0.00	0.03	0.05	pCi/g	
SLD02649	SLD02868					Pa-231	0.19	0.89	1.39	pCi/g	

Table 3-1
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Sample Location	Sample Number	Collection Date	Start Depth (feet) bgs	End Depth (feet) bgs	Thickness of Cover Material (ft)	Parameter	Result	Error	Detection Limit	Units	Sum of Ratios Value
SLD02649	SLD02868					Potassium-40	8.75	1.22	0.48	pCi/g	
SLD02649	SLD02868					Radium-226	2.86	0.19	0.09	pCi/g	
SLD02649	SLD02868					Radium-228	0.86	0.14	0.13	pCi/g	
SLD02649	SLD02868					Thorium-228	0.86	0.14	0.13	pCi/g	
SLD02649	SLD02868					Thorium-230	-17.40	16.07	25.09	pCi/g	
SLD02649	SLD02868					Thorium-232	0.84	0.12	0.12	pCi/g	
SLD02649	SLD02868					Uranium-235	0.29	0.22	0.30	pCi/g	
SLD02649	SLD02868					Uranium-238	5.07	2.14	5.01	pCi/g	
SLD02652	SLD02652	7/22/99	2.0	2.5	1.1	Actinium-227	7.62	0.51	0.35	pCi/g	1.82
SLD02652	SLD02652					Americium-241	0.15	0.26	0.39	pCi/g	
SLD02652	SLD02652					Cesium-137	-0.02	0.03	0.05	pCi/g	
SLD02652	SLD02652					Pa-231	9.09	1.39	1.59	pCi/g	
SLD02652	SLD02652					Potassium-40	10.44	1.39	0.34	pCi/g	
SLD02652	SLD02652					Radium-226	3.09	0.21	0.10	pCi/g	
SLD02652	SLD02652					Radium-228	1.34	0.15	0.12	pCi/g	
SLD02652	SLD02652					Thorium-228	1.34	0.15	0.12	pCi/g	
SLD02652	SLD02652					Thorium-230	-36.98	22.19	31.67	pCi/g	
SLD02652	SLD02652					Thorium-232	1.34	0.15	0.12	pCi/g	
SLD02652	SLD02652		-			Uranium-235	5.22	0.52	0.48	pCi/g	
SLD02652	SLD02652					Uranium-238	89.94	8.40	4.63	pCi/g	
SLD02652	SLD02729	7/22/99	3.5	4.0		Actinium-227	8.52	0.55	0.30	pCi/g	1.39
SLD02652	SLD02729					Americium-241	0.19	0.21	0.32	pCi/g	
SLD02652	SLD02729					Cesium-137	0.01	0.02	0.04	pCi/g	
SLD02652	SLD02729					Pa-231	8.76	1.24	1.34	pCi/g	
SLD02652	SLD02729					Potassium-40	11.24	1.42	0.32	pCi/g	
SLD02652	SLD02729					Radium-226	2.51	0.17	0.08	pCi/g	
SLD02652	SLD02729					Radium-228	1.45	0.15	0.11	pCi/g	
SLD02652	SLD02729					Thorium-228	1.63	0.61	0.32	pCi/g	
SLD02652	SLD02729					Thorium-230	9.89	2.08	0.26	pCi/g	
SLD02652	SLD02729					Thorium-232	1.18	0.49	0.12	pCi/g	
SLD02652	SLD02729					Uranium-235	2.97	0.40	0.40	pCi/g	
SLD02652	SLD02729					Uranium-238	42.63	4.71	3.89	pCi/g	
SLD02652	SLD02806	7/22/99	6.5	7.0		Actinium-227	0.12	0.16	0.24	pCi/g	0.02
SLD02652	SLD02806					Americium-241	0.12	0.10	0.16	pCi/g	
SLD02652	SLD02806					Cesium-137	-0.01	0.02	0.03	pCi/g	
SLD02652	SLD02806					Pa-231	0.02	0.94	1.07	pCi/g	
SLD02652	SLD02806					Potassium-40	10.74	1.33	0.36	pCi/g	
SLD02652	SLD02806					Radium-226	3.23	0.20	0.07	pCi/g	

Table 3-1
Plants 6EH and 6E
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Sample Location	Sample Number	Collection Date	Start Depth (feet) bgs	End Depth (feet) bgs	Thickness of Cover Material (ft)	Parameter	Result	Error	Detection Limit	Units	Sum of Ratios Value
SLD02652	SLD02806					Radium-228	1.15	0.13	0.09	pCi/g	
SLD02652	SLD02806					Thorium-228	1.15	0.13	0.09	pCi/g	
SLD02652	SLD02806					Thorium-230	-2.29	8.78	13.11	pCi/g	
SLD02652	SLD02806					Thorium-232	1.15	0.13	0.09	pCi/g	
SLD02652	SLD02806					Uranium-235	0.32	0.21	0.25	pCi/g	
SLD02652	SLD02806					Uranium-238	3.85	1.48	4.22	pCi/g	
SLD02659	SLD02659	8/24/99	1.5	2.0	0.8	Actinium-227	0.17	0.16	0.25	pCi/g	0.36
SLD02659	SLD02659					Americium-241	0.02	0.09	0.15	pCi/g	
SLD02659	SLD02659					Cesium-137	0.00	0.03	0.04	pCi/g	
SLD02659	SLD02659					Pa-231	-0.14	0.71	1.09	pCi/g	
SLD02659	SLD02659					Potassium-40	13.28	1.47	0.34	pCi/g	
SLD02659	SLD02659					Radium-226	2.55	0.15	0.07	pCi/g	
SLD02659	SLD02659					Radium-228	0.87	0.12	0.11	pCi/g	
SLD02659	SLD02659					Thorium-228	0.87	0.12	0.11	pCi/g	
SLD02659	SLD02659					Thorium-230	5.50	7.77	12.44	pCi/g	
SLD02659	SLD02659					Thorium-232	0.87	0.12	0.11	pCi/g	
SLD02659	SLD02659					Uranium-235	0.49	0.18	0.24	pCi/g	
SLD02659	SLD02659					Uranium-238	7.48	1.72	5.01	pCi/g	
SLD02659	SLD02736	8/24/99	3.5	4.0		Actinium-227	0.18	0.17	0.25	pCi/g	0.09
SLD02659	SLD02736					Americium-241	0.02	0.09	0.15	pCi/g	
SLD02659	SLD02736					Cesium-137	0.00	0.03	0.04	pCi/g	
SLD02659	SLD02736					Pa-231	0.72	0.69	1.12	pCi/g	
SLD02659	SLD02736					Potassium-40	11.79	1.33	0.34	pCi/g	
SLD02659	SLD02736					Radium-226	2.70	0.15	0.07	pCi/g	
SLD02659	SLD02736					Radium-228	0.86	0.10	0.10	pCi/g	
SLD02659	SLD02736					Thorium-228	0.86	0.10	0.10	pCi/g	
SLD02659	SLD02736					Thorium-230	-3.60	7.63	11.78	pCi/g	
SLD02659	SLD02736					Thorium-232	0.86	0.10	0.10	pCi/g	
SLD02659	SLD02736					Uranium-235	0.51	0.18	0.22	pCi/g	
SLD02659	SLD02736					Uranium-238	6.00	1.45	4.84	pCi/g	
SLD02659	SLD02813	8/11/99	5.5	6.0		Actinium-227	0.18	0.12	0.19	pCi/g	0.14
SLD02659	SLD02813					Americium-241	0.06	0.07	0.11	pCi/g	
SLD02659	SLD02813					Cesium-137	0.00	0.02	0.03	pCi/g	
SLD02659	SLD02813					Pa-231	0.11	0.52	0.83	pCi/g	
SLD02659	SLD02813					Potassium-40	15.24	1.62	0.23	pCi/g	
SLD02659	SLD02813					Radium-226	1.00	0.07	0.05	pCi/g	
SLD02659	SLD02813					Radium-228	0.85	0.10	0.08	pCi/g	
SLD02659	SLD02813					Thorium-228	0.85	0.10	0.08	pCi/g	

- Table 3-1
Plants 6EH and 6E
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Sample Location	Sample Number	Collection Date	Start Depth (feet) bgs	End Depth (feet) bgs	Thickness of Cover Material (ft)	Parameter	Result	Error	Detection Limit	Units	Sum of Ratios Value
SLD02659	SLD02813					Thorium-230	2.85	5.88	9.40	pCi/g	
SLD02659	SLD02813					Thorium-232	0.85	0.10	0.08	pCi/g	
SLD02659	SLD02813					Uranium-235	0.30	0.12	0.17	pCi/g	
SLD02659	SLD02813					Uranium-238	5.43	1.10	3.71	pCi/g	
SLD02659	SLD02857	8/18/99	14.0	14.5		Actinium-227	0.06	0.09	0.14	pCi/g	0.00
SLD02659	SLD02857					Americium-241	-0.03	0.11	0.18	pCi/g	
SLD02659	SLD02857					Cesium-137	0.02	0.03	0.02	pCi/g	
SLD02659	SLD02857					Pa-231	0.10	0.40	0.62	pCi/g	
SLD02659	SLD02857					Potassium-40	8.57	1.09	0.21	pCi/g	
SLD02659	SLD02857					Radium-226	0.96	0.07	0.04	pCi/g	
SLD02659	SLD02857					Radium-228	0.41	0.06	0.06	pCi/g	
SLD02659	SLD02857					Thorium-228	0.94	0.46	0.13	pCi/g	
SLD02659	SLD02857					Thorium-230	1.56	0.60	0.32	pCi/g	
SLD02659	SLD02857					Thorium-232	0.79	0.41	0.13	pCi/g	
SLD02659	SLD02857					Uranium-235	0.00	0.09	0.14	pCi/g	
SLD02659	SLD02857					Uranium-238	1.58	1.06	2.51	pCi/g	
SLD02659	SLD03315	8/11/99	7.5	8.0		Actinium-227	0.09	0.11	0.17	pCi/g	0.00
SLD02659	SLD03315					Americium-241	0.05	0.06	0.10	pCi/g	
SLD02659	SLD03315					Cesium-137	-0.01	0.02	0.03	pCi/g	
SLD02659	SLD03315					Pa-231	-0.34	0.49	0.72	pCi/g	
SLD02659	SLD03315					Potassium-40	14.05	1.53	0.28	pCi/g	
SLD02659	SLD03315					Radium-226	1.07	0.08	0.05	pCi/g	
SLD02659	SLD03315					Radium-228	0.80	0.10	0.08	pCi/g	
SLD02659	SLD03315					Thorium-228	0.80	0.10	0.08	pCi/g	
SLD02659	SLD03315					Thorium-230	-0.17	5.47	9.16	pCi/g	
SLD02659	SLD03315					Thorium-232	0.80	0.10	0.08	pCi/g	
SLD02659	SLD03315					Uranium-235	0.05	0.14	0.18	pCi/g	
SLD02659	SLD03315					Uranium-238	0.80	0.91	3.99	pCi/g	
SLD02659	SLD03316	8/11/99	12.0	12.5		Actinium-227	0.18	0.12	0.19	pCi/g	0.04
SLD02659	SLD03316					Americium-241	0.06	0.07	0.11	pCi/g	
SLD02659	SLD03316					Cesium-137	0.00	0.02	0.03	pCi/g	
SLD02659	SLD03316					Pa-231	0.11	0.52	0.83	pCi/g	
SLD02659	SLD03316					Potassium-40	15.24	1.62	0.23	pCi/g	
SLD02659	SLD03316					Radium-226	1.00	0.07	0.05	pCi/g	
SLD02659	SLD03316					Radium-228	0.85	0.10	0.08	pCi/g	
SLD02659	SLD03316					Thorium-228	0.85	0.10	0.08	pCi/g	
SLD02659	SLD03316					Thorium-230	2.85	5.88	9.40	pCi/g	
SLD02659	SLD03316					Thorium-232	0.85	0.10	0.08	pCi/g	

Table 3-1
Plants 6EH and 6E
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Sample Location	Sample Number	Collection Date	Start Depth (feet) bgs	End Depth (feet) bgs	Thickness of Cover Material (ft)	Parameter	Result	Error	Detection Limit	Units	Sum of Ratios Value
SLD02659	SLD03316					Uranium-235	0.30	0.12	0.17	pCi/g	
SLD02659	SLD03316					Uranium-238	5.43	1.10	3.71	pCi/g	
SLD02659	SLD03317	8/12/99	21.0	21.5		Actinium-227	50.75	2.59	1.90	pCi/g	6.59
SLD02659	SLD03317					Americium-241	3.16	0.85	1.22	pCi/g	
SLD02659	SLD03317					Cesium-137	-0.06	0.19	0.27	pCi/g	
SLD02659	SLD03317					Pa-231	28.31	5.05	9.71	pCi/g	
SLD02659	SLD03317					Potassium-40	13.72	3.37	3.27	pCi/g	
SLD02659	SLD03317					Radium-226	326.60	13.53	0.59	pCi/g	
SLD02659	SLD03317					Radium-228	1.33	0.42	0.76	pCi/g	
SLD02659	SLD03317					Thorium-228	1.33	0.42	0.76	pCi/g	
SLD02659	SLD03317					Thorium-230	131.40	76.27	102.00	pCi/g	
SLD02659	SLD03317					Thorium-232	1.33	0.42	0.76	pCi/g	
SLD02659	SLD03317					Uranium-235	10.82	1.54	1.99	pCi/g	
SLD02659	SLD03317					Uranium-238	18.50	6.99	35.78	pCi/g	
SLD02676	SLD02676	8/12/99	5.0	5.5	3	Actinium-227	0.02	0.16	0.24	pCi/g	0.02
SLD02676	SLD02676					Americium-241	-0.03	0.11	0.13	pCi/g	
SLD02676	SLD02676					Cesium-137	0.01	0.03	0.04	pCi/g	
SLD02676	SLD02676					Pa-231	-0.38	0.65	0.97	pCi/g	
SLD02676	SLD02676					Potassium-40	10.89	1.29	0.38	pCi/g	
SLD02676	SLD02676					Radium-226	2.10	0.13	0.07	pCi/g	
SLD02676	SLD02676					Radium-228	1.00	0.11	0.10	pCi/g	
SLD02676	SLD02676					Thorium-228	1.00	0.11	0.10	pCi/g	
SLD02676	SLD02676					Thorium-230	-4.50	6.68	10.90	pCi/g	
SLD02676	SLD02676					Thorium-232	1.00	0.11	0.10	pCi/g	
SLD02676	SLD02676					Uranium-235	0.08	0.13	0.22	pCi/g	
SLD02676	SLD02676					Uranium-238	2.10	1.21	5.36	pCi/g	
SLD02676	SLD02753	8/12/99	6.5	7.0		Actinium-227	0.38	0.26	0.40	pCi/g	0.07
SLD02676	SLD02753					Americium-241	0.13	0.14	0.22	pCi/g	
SLD02676	SLD02753					Cesium-137	-0.02	0.04	0.06	pCi/g	
SLD02676	SLD02753					Pa-231	0.02	1.03	1.60	pCi/g	
SLD02676	SLD02753					Potassium-40	13.20	1.73	0.60	pCi/g	
SLD02676	SLD02753					Radium-226	4.91	0.27	0.11	pCi/g	
SLD02676	SLD02753					Radium-228	1.61	0.19	0.17	pCi/g	
SLD02676	SLD02753					Thorium-228	1.61	0.19	0.17	pCi/g	
SLD02676	SLD02753					Thorium-230	-5.30	10.71	17.59	pCi/g	
SLD02676	SLD02753					Thorium-232	1.61	0.19	0.17	pCi/g	
SLD02676	SLD02753					Uranium-235	0.87	0.28	0.33	pCi/g	

Table 3-1
Plants 6EH and 6E
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Sample Location	Sample Number	Collection Date	Start Depth (feet) bgs	End Depth (feet) bgs	Thickness of Cover Material (ft)	Parameter	Result	Error	Detection Limit	Units	Sum of Ratios Value
SLD02676	SLD02753					Uranium-238	5.76	2.06	8.60	pCi/g	
SLD02676	SLD02830	8/12/99	8.5	9.0		Actinium-227	0.25	0.21	0.32	pCi/g	0.06
SLD02676	SLD02830					Americium-241	0.16	0.11	0.18	pCi/g	
SLD02676	SLD02830					Cesium-137	-0.04	0.03	0.05	pCi/g	
SLD02676	SLD02830					Pa-231	-0.04	0.89	1.37	pCi/g	
SLD02676	SLD02830					Potassium-40	12.84	1.50	0.47	pCi/g	
SLD02676	SLD02830					Radium-226	4.49	0.24	0.09	pCi/g	
SLD02676	SLD02830					Radium-228	1.56	0.16	0.13	pCi/g	
SLD02676	SLD02830					Thorium-228	1.56	0.16	0.13	pCi/g	
SLD02676	SLD02830					Thorium-230	5.28	9.06	15.23	pCi/g	
SLD02676	SLD02830					Thorium-232	1.56	0.16	0.13	pCi/g	
SLD02676	SLD02830					Uranium-235	0.47	0.21	0.29	pCi/g	
SLD02676	SLD02830					Uranium-238	5.93	1.77	7.10	pCi/g	
SLD02676	SLD03220	7/13/99	13.0	13.5		Actinium-227	0.10	0.14	0.23	pCi/g	0.00
SLD02676	SLD03220					Americium-241	0.10	0.19	0.30	pCi/g	
SLD02676	SLD03220					Cesium-137	0.00	0.02	0.03	pCi/g	
SLD02676	SLD03220					Pa-231	-0.04	0.67	1.02	pCi/g	
SLD02676	SLD03220					Potassium-40	7.47	1.04	0.29	pCi/g	
SLD02676	SLD03220					Radium-226	2.15	0.14	0.06	pCi/g	
SLD02676	SLD03220					Radium-228	0.82	0.11	0.11	pCi/g	
SLD02676	SLD03220					Thorium-228	0.82	0.11	0.11	pCi/g	
SLD02676	SLD03220					Thorium-230	-9.54	12.35	19.74	pCi/g	
SLD02676	SLD03220					Thorium-232	0.82	0.11	0.11	pCi/g	
SLD02676	SLD03220					Uranium-235	0.22	0.22	0.25	pCi/g	
SLD02676	SLD03220					Uranium-238	1.23	1.97	4.90	pCi/g	
SLD02676	SLD03221	7/13/99	16.5	17.0		Actinium-227	0.03	0.11	0.17	pCi/g	0.00
SLD02676	SLD03221					Americium-241	0.01	0.13	0.23	pCi/g	
SLD02676	SLD03221					Cesium-137	0.01	0.02	0.03	pCi/g	
SLD02676	SLD03221					Pa-231	0.22	0.51	0.79	pCi/g	
SLD02676	SLD03221					Potassium-40	7.33	0.98	0.22	pCi/g	
SLD02676	SLD03221					Radium-226	1.41	0.09	0.05	pCi/g	
SLD02676	SLD03221					Radium-228	0.81	0.09	0.07	pCi/g	
SLD02676	SLD03221					Thorium-228	0.81	0.09	0.07	pCi/g	
SLD02676	SLD03221					Thorium-230	-3.71	9.03	14.71	pCi/g	
SLD02676	SLD03221					Thorium-232	0.81	0.09	0.07	pCi/g	
SLD02676	SLD03221					Uranium-235	0.04	0.13	0.18	pCi/g	
SLD02676	SLD03221					Uranium-238	1.08	1.07	2.63	pCi/g	

Table 3-1
Plants 6EH and 6E
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Sample Location	Sample Number	Collection Date	Start Depth (feet) bgs	End Depth (feet) bgs	Thickness of Cover Material (ft)	Parameter	Result	Error	Detection Limit	Units	Sum of Ratios Value
SLD02677	SLD02677	8/12/99	2.5	3.0		Actinium-227	0.21	0.14	0.21	pCi/g	0.07
SLD02677	SLD02677					Americium-241	-0.03	0.08	0.12	pCi/g	
SLD02677	SLD02677					Cesium-137	0.02	0.02	0.04	pCi/g	
SLD02677	SLD02677					Pa-231	-0.25	0.60	0.91	pCi/g	
SLD02677	SLD02677					Potassium-40	9.13	1.17	0.35	pCi/g	
SLD02677	SLD02677					Radium-226	1.35	0.09	0.06	pCi/g	
SLD02677	SLD02677					Radium-228	0.69	0.10	0.10	pCi/g	
SLD02677	SLD02677					Thorium-228	1.23	0.62	0.32	pCi/g	
SLD02677	SLD02677					Thorium-230	2.31	0.88	0.17	pCi/g	
SLD02677	SLD02677					Thorium-232	0.50	0.38	0.32	pCi/g	
SLD02677	SLD02677					Uranium-235	0.19	0.12	0.20	pCi/g	
SLD02677	SLD02677					Uranium-238	3.53	1.13	4.29	pCi/g	
SLD02677	SLD02834	8/16/99	5.0	5.5		Actinium-227	0.14	0.13	0.21	pCi/g	0.00
SLD02677	SLD02834					Americium-241	-0.01	0.08	0.12	pCi/g	
SLD02677	SLD02834					Cesium-137	-0.02	0.02	0.04	pCi/g	
SLD02677	SLD02834					Pa-231	0.47	0.51	0.95	pCi/g	
SLD02677	SLD02834					Potassium-40	15.56	1.72	0.29	pCi/g	
SLD02677	SLD02834					Radium-226	1.06	0.08	0.06	pCi/g	
SLD02677	SLD02834					Radium-228	0.89	0.11	0.10	pCi/g	
SLD02677	SLD02834					Thorium-228	1.13	0.49	0.22	pCi/g	
SLD02677	SLD02834					Thorium-230	1.40	0.55	0.27	pCi/g	
SLD02677	SLD02834					Thorium-232	0.84	0.41	0.12	pCi/g	
SLD02677	SLD02834					Uranium-235	0.20	0.16	0.21	pCi/g	
SLD02677	SLD02834					Uranium-238	0.79	1.03	5.09	pCi/g	
SLD02677	SLD02837	8/16/99	7.0	7.5		Actinium-227	0.13	0.08	0.26	pCi/g	0.00
SLD02677	SLD02837					Americium-241	0.00	0.08	0.13	pCi/g	
SLD02677	SLD02837					Cesium-137	0.01	0.02	0.04	pCi/g	
SLD02677	SLD02837					Pa-231	-0.03	0.66	1.05	pCi/g	
SLD02677	SLD02837					Potassium-40	9.18	1.24	0.28	pCi/g	
SLD02677	SLD02837					Radium-226	1.42	0.10	0.08	pCi/g	
SLD02677	SLD02837					Radium-228	0.60	0.10	0.11	pCi/g	
SLD02677	SLD02837					Thorium-228	0.32	0.28	0.27	pCi/g	
SLD02677	SLD02837					Thorium-230	1.72	0.68	0.15	pCi/g	
SLD02677	SLD02837					Thorium-232	1.01	0.50	0.27	pCi/g	
SLD02677	SLD02837					Uranium-235	0.15	0.14	0.25	pCi/g	
SLD02677	SLD02837					Uranium-238	1.46	1.13	4.91	pCi/g	
SLD02677	SLD03318	8/16/99	15.0	15.5		Actinium-227	0.12	0.15	0.23	pCi/g	0.00
SLD02677	SLD03318					Americium-241	0.03	0.08	0.13	pCi/g	

Table 3-1
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Sample Location	Sample Number	Collection Date	Start Depth (feet) bgs	End Depth (feet) bgs	Thickness of Cover Material (ft)	Parameter	Result	Error	Detection Limit	Units	Sum of Ratios Value
SLD02677	SLD03318					Cesium-137	0.00	0.03	0.04	pCi/g	
SLD02677	SLD03318					Pa-231	0.19	0.66	1.06	pCi/g	
SLD02677	SLD03318					Potassium-40	13.35	1.56	0.34	pCi/g	
SLD02677	SLD03318					Radium-226	1.72	0.11	0.06	pCi/g	
SLD02677	SLD03318					Radium-228	0.85	0.11	0.10	pCi/g	
SLD02677	SLD03318					Thorium-228	0.85	0.11	0.10	pCi/g	
SLD02677	SLD03318					Thorium-230	-3.07	6.55	10.79	pCi/g	
SLD02677	SLD03318					Thorium-232	0.85	0.11	0.10	pCi/g	
SLD02677	SLD03318					Uranium-235	0.09	0.14	0.22	pCi/g	
SLD02677	SLD03318					Uranium-238	0.84	1.05	5.52	pCi/g	
SLD02677	SLD03319	8/16/99	21.0	21.5		Actinium-227	0.13	0.31	0.40	pCi/g	0.01
SLD02677	SLD03319					Americium-241	0.05	0.15	0.25	pCi/g	
SLD02677	SLD03319					Cesium-137	0.01	0.05	0.10	PCi/g	
SLD02677	SLD03319					Pa-231	-0.86	1.16	1.96	PCi/g	
SLD02677	SLD03319					Potassium-40	13.39	2.46	0.86	pCi/g	
SLD02677	SLD03319					Radium-226	1.14	0.17	0.15	pCi/g	
SLD02677	SLD03319					Radium-228	0.66	0.18	0.24	pCi/g	
SLD02677	SLD03319					Thorium-228	0.66	0.18	0.24	pCi/g	
SLD02677	SLD03319					Thorium-230	3.58	12.00	20.13	pCi/g	
SLD02677	SLD03319					Thorium-232	0.66	0.18	0.24	pCi/g	
SLD02677	SLD03319					Uranium-235	0.02	0.22	0.39	pCi/g	
SLD02677	SLD03319					Uranium-238	1.05	1.76	14.30	pCi/g	
SLD02678	SLD02678	8/17/99	1.0	1.5	0.5	Actinium-227	0.18	0.13	0.20	pCi/g	0.25
SLD02678	SLD02678					Americium-241	0.02	0.04	0.06	pCi/g	
SLD02678	SLD02678					Cesium-137	-0.01	0.02	0.03	pCi/g	
SLD02678	SLD02678					Pa-231	0.87	0.76	0.86	pCi/g	
SLD02678	SLD02678					Potassium-40	10.94	1.25	0.28	pCi/g	
SLD02678	SLD02678					Radium-226	2.88	0.15	0.05	pCi/g	
SLD02678	SLD02678					Radium-228	0.99	0.10	0.08	pCi/g	
SLD02678	SLD02678					Thorium-228	2.03	0.82	0.40	pCi/g	
SLD02678	SLD02678					Thorium-230	4.17	1.25	0.16	pCi/g	
SLD02678	SLD02678					Thorium-232	1.55	0.67	0.16	pCi/g	
SLD02678	SLD02678					Uranium-235	0.24	0.14	0.18	pCi/g	
SLD02678	SLD02678					Uranium-238	4.57	0.77	3.63	pCi/g	
SLD02678	SLD02835	8/17/99	3.5	4.0		Actinium-227	0.18	0.14	0.21	pCi/g	0.15
SLD02678	SLD02835					Americium-241	0.04	0.04	0.06	pCi/g	
SLD02678	SLD02835					Cesium-137	0.00	0.02	0.03	pCi/g	
SLD02678	SLD02835					Pa-231	0.31	0.56	0.88	pCi/g	

Table 3-1
Plants 6EH and 6E
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Sample Location	Sample Number	Collection Date	Start Depth (feet) bgs	End Depth (feet) bgs	Thickness of Cover Material (ft)	Parameter	Result	Error	Detection Limit	Units	Sum of Ratios Value
SLD02678	SLD02835					Potassium-40	12.16	1.35	0.28	pCi/g	
SLD02678	SLD02835					Radium-226	2.14	0.12	0.05	pCi/g	
SLD02678	SLD02835					Radium-228	0.89	0.10	0.07	pCi/g	
SLD02678	SLD02835					Thorium-228	1.55	0.61	0.23	pCi/g	
SLD02678	SLD02835					Thorium-230	3.00	0.89	0.13	pCi/g	
SLD02678	SLD02835					Thorium-232	1.43	0.56	0.12	pCi/g	
SLD02678	SLD02835					Uranium-235	0.22	0.12	0.17	pCi/g	
SLD02678	SLD02835					Uranium-238	3.69	0.75	3.63	pCi/g	
SLD02678	SLD02838	8/17/99	5.0	5.5		Actinium-227	0.22	0.14	0.22	pCi/g	0.04
SLD02678	SLD02838					Americium-241	-0.07	0.17	0.29	pCi/g	
SLD02678	SLD02838					Cesium-137	0.00	0.02	0.03	pCi/g	
SLD02678	SLD02838					Pa-231	-0.43	0.62	0.90	pCi/g	
SLD02678	SLD02838					Potassium-40	11.84	1.50	0.27	pCi/g	
SLD02678	SLD02838					Radium-226	1.58	0.11	0.06	pCi/g	
SLD02678	SLD02838					Radium-228	1.33	0.14	0.09	pCi/g	
SLD02678	SLD02838					Thorium-228	1.27	0.53	0.28	pCi/g	
SLD02678	SLD02838					Thorium-230	1.84	0.64	0.25	pCi/g	
SLD02678	SLD02838					Thorium-232	1.13	0.48	0.21	pCi/g	
SLD02678	SLD02838					Uranium-235	0.16	0.16	0.23	pCi/g	
SLD02678	SLD02838					Uranium-238	2.34	1.62	3.25	pCi/g	
SLD02678	SLD03322	8/17/99	7.5	8.0		Actinium-227	0.24	0.15	0.24	pCi/g	0.01
SLD02678	SLD03322					Americium-241	0.08	0.19	0.31	pCi/g	
SLD02678	SLD03322					Cesium-137	0.02	0.02	0.04	pCi/g	
SLD02678	SLD03322					Pa-231	0.41	0.65	1.03	pCi/g	
SLD02678	SLD03322					Potassium-40	14.12	1.76	0.27	pCi/g	
SLD02678	SLD03322					Radium-226	2.11	0.14	0.07	pCi/g	
SLD02678	SLD03322					Radium-228	1.09	0.12	0.09	pCi/g	
SLD02678	SLD03322					Thorium-228	1.09	0.12	0.09	pCi/g	
SLD02678	SLD03322					Thorium-230	-16.38	12.51	19.23	pCi/g	
SLD02678	SLD03322					Thorium-232	1.09	0.12	0.09	pCi/g	
SLD02678	SLD03322					Uranium-235	0.27	0.18	0.23	pCi/g	
SLD02678	SLD03322					Uranium-238	3.59	1.73	3.98	pCi/g	
SLD02678	SLD03323	8/17/99	11.5	12.0		Actinium-227	0.27	0.12	0.22	pCi/g	0.03
SLD02678	SLD03323					Americium-241	-0.12	0.18	0.28	pCi/g	
SLD02678	SLD03323					Cesium-137	0.00	0.02	0.03	pCi/g	
SLD02678	SLD03323					Pa-231	0.44	0.64	1.01	pCi/g	
SLD02678	SLD03323					Potassium-40	8.50	1.16	0.30	pCi/g	
SLD02678	SLD03323					Radium-226	2.25	0.14	0.06	pCi/g	

Table 3-1
Plants 6EH and 6E
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Sample Location	Sample Number	Collection Date	Start Depth (feet) bgs	End Depth (feet) bgs	Thickness of Cover Material (ft)	Parameter	Result	Error	Detection Limit	Units	Sum of Ratios Value
SLD02678	SLD03323					Radium-228	0.71	0.09	0.10	pCi/g	
SLD02678	SLD03323					Thorium-228	0.71	0.09	0.10	pCi/g	
SLD02678	SLD03323					Thorium-230	-14.96	12.28	17.70	pCi/g	
SLD02678	SLD03323					Thorium-232	0.71	0.09	0.10	pCi/g	
SLD02678	SLD03323					Uranium-235	0.15	0.17	0.21	pCi/g	
SLD02678	SLD03323					Uranium-238	3.04	2.00	4.78	pCi/g	
SLD02678	SLD03324	8/17/99	16.5	17.0		Actinium-227	0.14	0.11	0.17	pCi/g	0.00
SLD02678	SLD03324					Americium-241	0.06	0.13	0.22	pCi/g	
SLD02678	SLD03324					Cesium-137	0.00	0.02	0.03	pCi/g	
SLD02678	SLD03324					Pa-231	-0.03	0.48	0.74	pCi/g	
SLD02678	SLD03324					Potassium-40	16.69	1.99	0.22	pCi/g	
SLD02678	SLD03324					Radium-226	0.93	0.07	0.05	pCi/g	
SLD02678	SLD03324					Radium-228	0.84	0.09	0.07	pCi/g	
SLD02678	SLD03324					Thorium-228	0.84	0.09	0.07	pCi/g	
SLD02678	SLD03324					Thorium-230	1.06	8.92	14.83	pCi/g	
SLD02678	SLD03324					Thorium-232	0.84	0.09	0.07	pCi/g	
SLD02678	SLD03324					Uranium-235	0.09	0.10	0.18	pCi/g	
SLD02678	SLD03324					Uranium-238	0.68	1.04	3.51	pCi/g	
SLD02678	SLD03325	8/17/99	20.0	20.5		Actinium-227	0.20	0.13	0.21	pCi/g	0.00
SLD02678	SLD03325					Americium-241	-0.07	0.15	0.26	pCi/g	
SLD02678	SLD03325					Cesium-137	0.01	0.02	0.03	pCi/g	
SLD02678	SLD03325					Pa-231	0.30	0.57	0.90	pCi/g	
SLD02678	SLD03325					Potassium-40	16.44	2.02	0.27	pCi/g	
SLD02678	SLD03325					Radium-226	1.00	0.08	0.06	pCi/g	
SLD02678	SLD03325					Radium-228	1.11	0.12	0.08	pCi/g	
SLD02678	SLD03325					Thorium-228	1.11	0.12	0.08	pCi/g	
SLD02678	SLD03325					Thorium-230	-1.81	11.24	17.42	pCi/g	
SLD02678	SLD03325					Thorium-232	1.11	0.12	0.08	pCi/g	
SLD02678	SLD03325					Uranium-235	0.08	0.12	0.21	pCi/g	
SLD02678	SLD03325					Uranium-238	1.84	1.34	3.96	pCi/g	
SLD02798	SLD02798	7/20/99	6.5	7.0		Actinium-227	0.15	0.11	0.17	pCi/g	0.00
SLD02798	SLD02798					Americium-241	0.00	0.03	0.05	pCi/g	
SLD02798	SLD02798					Cesium-137	-0.01	0.02	0.03	pCi/g	
SLD02798	SLD02798					Pa-231	0.40	0.57	0.75	pCi/g	
SLD02798	SLD02798					Potassium-40	17.41	1.86	0.28	pCi/g	
SLD02798	SLD02798					Radium-226	1.15	0.08	0.05	pCi/g	
SLD02798	SLD02798					Radium-228	1.02	0.10	0.07	pCi/g	
SLD02798	SLD02798					Thorium-228	1.10	0.50	0.31	pCi/g	

Table 3-1
 Plants 6EH and 6E
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Sample Location	Sample Number	Collection Date	Start Depth (feet) bgs	End Depth (feet) bgs	Thickness of Cover Material (ft)	Parameter	Result	Error	Detection Limit	Units	Sum of Ratios Value
SLD02798	SLD02798					Thorium-230	1.96	0.68	0.12	pCi/g	
SLD02798	SLD02798					Thorium-232	0.82	0.41	0.12	pCi/g	
SLD02798	SLD02798					Uranium-235	0.14	0.13	0.16	pCi/g	
SLD02798	SLD02798					Uranium-238	0.85	0.45	3.75	pCi/g	
SLD03340	SLD03340	9/7/99	0.0	0.5	0	Actinium-227	7.07	0.00	7.07	pCi/g	30.31
SLD03340	SLD03340					Americium-241	4.69	0.29	1.29	pCi/g	
SLD03340	SLD03340					Cesium-137	0.86	0.00	0.86	pCi/g	
SLD03340	SLD03340					Pa-231	24.90	0.00	24.90	pCi/g	
SLD03340	SLD03340					Potassium-40	17.11	1.55	6.24	pCi/g	
SLD03340	SLD03340					Radium-226	35.33	0.52	1.38	pCi/g	
SLD03340	SLD03340					Radium-228	128.39	2.04	1.72	pCi/g	
SLD03340	SLD03340					Thorium-228	128.39	2.04	1.72	pCi/g	
SLD03340	SLD03340					Thorium-230	319.64	18.33	121.00	pCi/g	
SLD03340	SLD03340					Thorium-232	24.90	0.00	24.90	pCi/g	
SLD03340	SLD03340					Uranium-235	3.27	0.62	4.35	pCi/g	
SLD03340	SLD03340					Uranium-238	33.21	2.08	12.20	pCi/g	
SLD03340	SLD03341	9/7/99	0.5	1.0		Actinium-227	0.17	0.14	0.22	pCi/g	0.05
SLD03340	SLD03341					Americium-241	0.14	0.17	0.28	pCi/g	
SLD03340	SLD03341					Cesium-137	0.02	0.02	0.04	pCi/g	
SLD03340	SLD03341					Pa-231	0.23	0.64	1.00	pCi/g	
SLD03340	SLD03341					Potassium-40	17.47	2.14	0.28	pCi/g	
SLD03340	SLD03341					Radium-226	1.14	0.09	0.06	pCi/g	
SLD03340	SLD03341					Radium-228	1.20	0.13	0.09	pCi/g	
SLD03340	SLD03341					Thorium-228	1.20	0.13	0.09	pCi/g	
SLD03340	SLD03341					Thorium-230	-3.68	11.38	18.63	pCi/g	
SLD03340	SLD03341					Thorium-232	1.20	0.13	0.09	pCi/g	
SLD03340	SLD03341					Uranium-235	0.10	0.14	0.22	pCi/g	
SLD03340	SLD03341					Uranium-238	2.94	2.03	4.84	pCi/g	
SLD03342	SLD03342	9/7/99	0.5	0.8	0.5	Actinium-227	0.48	0.03	0.29	pCi/g	0.82
SLD03342	SLD03342					Americium-241	0.15	0.00	0.15	pCi/g	
SLD03342	SLD03342					Cesium-137	0.09	0.00	0.09	pCi/g	
SLD03342	SLD03342					Pa-231	2.34	0.00	2.34	pCi/g	
SLD03342	SLD03342					Potassium-40	11.22	0.46	0.72	pCi/g	
SLD03342	SLD03342					Radium-226	2.78	0.05	0.14	pCi/g	
SLD03342	SLD03342					Radium-228	1.83	0.06	0.21	pCi/g	
SLD03342	SLD03342					Thorium-228	1.83	0.06	0.21	pCi/g	
SLD03342	SLD03342					Thorium-230	11.36	2.86	13.00	pCi/g	
SLD03342	SLD03342					Thorium-232	1.83	0.06	0.21	pCi/g	

Table J-1
Plants 6EH and 6E
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Sample Location	Sample Number	Collection Date	Start Depth (feet) bgs	End Depth (feet) bgs	Thickness of Cover Material (ft)	Parameter	Result	Error	Detection Limit	Units	Sum of Ratios Value
SLD03342	SLD03342					Uranium-235	0.47	0.06	0.44	pCi/g	
SLD03342	SLD03342					Uranium-238	7.86	0.49	1.45	pCi/g	
SLD03342	SLD03343	9/7/99	0.8	1.3		Actinium-227	0.26	0.04	0.30	pCi/g	0.16
SLD03342	SLD03343					Americium-241	0.16	0.00	0.16	pCi/g	
SLD03342	SLD03343					Cesium-137	0.08	0.00	0.08	pCi/g	
SLD03342	SLD03343					Pa-231	2.37	0.00	2.37	pCi/g	
SLD03342	SLD03343					Potassium-40	14.06	0.60	0.77	pCi/g	
SLD03342	SLD03343					Radium-226	1.57	0.04	0.13	pCi/g	
SLD03342	SLD03343					Radium-228	1.10	0.05	0.22	pCi/g	
SLD03342	SLD03343					Thorium-228	1.10	0.05	0.22	pCi/g	
SLD03342	SLD03343					Thorium-230	14.80	0.00	14.80	pCi/g	
SLD03342	SLD03343					Thorium-232	1.10	0.05	0.22	pCi/g	
SLD03342	SLD03343					Uranium-235	0.47	0.07	0.44	pCi/g	
SLD03342	SLD03343					Uranium-238	9.09	0.56	1.54	pCi/g	
SLD03344	SLD03344	9/7/99	0.0	0.8	0	Actinium-227	0.79	0.03	0.29	pCi/g	0.93
SLD03344	SLD03344					Americium-241	0.16	0.00	0.16	pCi/g	
SLD03344	SLD03344					Cesium-137	0.06	0.01	0.05	pCi/g	
SLD03344	SLD03344					Pa-231	0.76	0.16	1.46	pCi/g	
SLD03344	SLD03344					Potassium-40	12.03	0.45	0.77	pCi/g	
SLD03344	SLD03344					Radium-226	6.92	0.10	0.09	pCi/g	
SLD03344	SLD03344					Radium-228	0.85	0.03	0.13	pCi/g	
SLD03344	SLD03344					Thorium-228	0.85	0.03	0.13	pCi/g	
SLD03344	SLD03344					Thorium-230	8.12	3.05	14.00	pCi/g	
SLD03344	SLD03344					Thorium-232	0.85	0.03	0.13	pCi/g	
SLD03344	SLD03344					Uranium-235	1.41	0.07	0.45	pCi/g	
SLD03344	SLD03344					Uranium-238	27.05	1.16	1.55	pCi/g	
SLD03345	SLD03345	9/7/99	0.0	0.5	0	Actinium-227	0.76	0.00	0.76	pCi/g	0.09
SLD03345	SLD03345					Americium-241	0.15	0.00	0.15	pCi/g	
SLD03345	SLD03345					Cesium-137	0.03	0.01	0.06	pCi/g	
SLD03345	SLD03345					Pa-231	2.46	0.00	2.46	pCi/g	
SLD03345	SLD03345					Potassium-40	11.96	0.55	0.80	pCi/g	
SLD03345	SLD03345					Radium-226	2.22	0.05	0.15	pCi/g	
SLD03345	SLD03345					Radium-228	0.97	0.05	0.24	pCi/g	
SLD03345	SLD03345					Thorium-228	0.97	0.05	0.24	pCi/g	
SLD03345	SLD03345					Thorium-230	14.80	0.00	14.80	pCi/g	
SLD03345	SLD03345					Thorium-232	0.97	0.05	0.24	pCi/g	
SLD03345	SLD03345					Uranium-235	0.46	0.00	0.46	pCi/g	

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Sample Location	Sample Number	Collection Date	Start Depth (feet) bgs	End Depth (feet) bgs	Thickness of Cover Material (ft)	Parameter	Result	Error	Detection Limit	Units	Sum of Ratios Value
SLD03345	SLD03345					Uranium-238	5.59	0.45	1.50	pCi/g	
SLD03345	SLD03346	9/7/99	2.0	2.5		Actinium-227	0.73	0.00	0.73	pCi/g	0.13
SLD03345	SLD03346					Americium-241	0.15	0.00	0.15	pCi/g	
SLD03345	SLD03346					Cesium-137	0.10	0.00	0.10	pCi/g	
SLD03345	SLD03346					Pa-231	2.41	0.00	2.41	pCi/g	
SLD03345	SLD03346					Potassium-40	11.87	0.54	0.83	pCi/g	
SLD03345	SLD03346					Radium-226	2.34	0.05	0.16	pCi/g	
SLD03345	SLD03346					Radium-228	0.89	0.05	0.25	pCi/g	
SLD03345	SLD03346					Thorium-228	0.89	0.05	0.25	pCi/g	
SLD03345	SLD03346					Thorium-230	14.40	0.00	14.40	pCi/g	
SLD03345	SLD03346					Thorium-232	0.89	0.05	0.25	pCi/g	
SLD03345	SLD03346					Uranium-235	0.42	0.09	0.46	pCi/g	
SLD03345	SLD03346					Uranium-238	7.77	0.52	1.50	pCi/g	
SLD03347	SLD03347	9/8/99	0.0	0.5		Actinium-227	5.52	0.25	2.05	pCi/g	7.58
SLD03347	SLD03347					Americium-241	0.98	0.10	0.74	pCi/g	
SLD03347	SLD03347					Cesium-137	0.52	0.00	0.52	pCi/g	
SLD03347	SLD03347					Pa-231	15.70	0.00	15.70	pCi/g	
SLD03347	SLD03347					Potassium-40	12.79	1.05	3.73	pCi/g	
SLD03347	SLD03347					Radium-226	13.79	0.23	0.84	pCi/g	
SLD03347	SLD03347					Radium-228	42.84	0.75	0.98	pCi/g	
SLD03347	SLD03347					Thorium-228	42.84	0.75	0.98	pCi/g	
SLD03347	SLD03347					Thorium-230	66.43	8.63	69.30	pCi/g	
SLD03347	SLD03347					Thorium-232	42.84	0.75	0.98	pCi/g	
SLD03347	SLD03347					Uranium-235	2.66	0.00	2.66	pCi/g	
SLD03347	SLD03347					Uranium-238	25.68	1.50	7.05	pCi/g	
SLD03347	SLD03348	9/8/99	0.5	1.0		Actinium-227	0.51	0.03	0.33	pCi/g	0.40
SLD03347	SLD03348					Americium-241	0.16	0.00	0.16	pCi/g	
SLD03347	SLD03348					Cesium-137	0.09	0.00	0.09	pCi/g	
SLD03347	SLD03348					Pa-231	2.52	0.00	2.52	pCi/g	
SLD03347	SLD03348					Potassium-40	13.53	0.50	0.69	pCi/g	
SLD03347	SLD03348					Radium-226	3.29	0.05	0.14	pCi/g	
SLD03347	SLD03348					Radium-228	4.09	0.08	0.23	pCi/g	
SLD03347	SLD03348					Thorium-228	4.09	0.08	0.23	pCi/g	
SLD03347	SLD03348					Thorium-230	14.80	0.00	14.80	pCi/g	
SLD03347	SLD03348					Thorium-232	4.09	0.08	0.23	pCi/g	
SLD03347	SLD03348					Uranium-235	0.52	0.07	0.46	pCi/g	
SLD03347	SLD03348					Uranium-238	9.49	0.55	1.51	pCi/g	

Table 3-1
Plants 6EH and 6E
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Sample Location	Sample Number	Collection Date	Start Depth (feet) bgs	End Depth (feet) bgs	Thickness of Cover Material (ft)	Parameter	Result	Error	Detection Limit	Units	Sum of Ratios Value
SLD03349	SLD03349	9/8/99	1.0	1.5	0.7	Actinium-227	0.82	0.00	0.82	pCi/g	0.04
SLD03349	SLD03349					Americium-241	0.16	0.00	0.16	pCi/g	
SLD03349	SLD03349					Cesium-137	0.10	0.00	0.10	pCi/g	
SLD03349	SLD03349					Pa-231	2.52	0.00	2.52	pCi/g	
SLD03349	SLD03349					Potassium-40	16.94	0.73	0.79	pCi/g	
SLD03349	SLD03349					Radium-226	1.01	0.03	0.15	pCi/g	
SLD03349	SLD03349					Radium-228	1.30	0.06	0.24	pCi/g	
SLD03349	SLD03349					Thorium-228	1.30	0.06	0.24	pCi/g	
SLD03349	SLD03349					Thorium-230	14.70	0.00	14.70	pCi/g	
SLD03349	SLD03349					Thorium-232	1.30	0.06	0.24	pCi/g	
SLD03349	SLD03349					Uranium-235	0.45	0.00	0.45	pCi/g	
SLD03349	SLD03349					Uranium-238	2.32	0.36	1.54	pCi/g	
SLD03350	SLD03350	9/8/99	0.8	1.3	0.8	Actinium-227	22.75	0.82	7.70	pCi/g	40.12
SLD03350	SLD03350					Americium-241	2.07	0.00	2.07	pCi/g	
SLD03350	SLD03350					Cesium-137	1.32	0.00	1.32	pCi/g	
SLD03350	SLD03350					Pa-231	39.20	0.00	39.20	pCi/g	
SLD03350	SLD03350					Potassium-40	14.00	0.00	14.00	pCi/g	
SLD03350	SLD03350					Radium-226	604.64	7.76	3.65	pCi/g	
SLD03350	SLD03350					Radium-228	3.14	0.00	3.14	pCi/g	
SLD03350	SLD03350					Thorium-228	3.14	0.00	3.14	pCi/g	
SLD03350	SLD03350					Thorium-230	213.00	0.00	213.00	pCi/g	
SLD03350	SLD03350					Thorium-232	3.14	0.00	3.14	pCi/g	
SLD03350	SLD03350					Uranium-235	2.88	1.46	7.31	pCi/g	
SLD03350	SLD03350					Uranium-238	20.60	0.00	20.60	pCi/g	
SLD03351	SLD03351	9/8/99	0.5	1.0	0.7	Actinium-227	2.25	0.12	1.20	pCi/g	3.88
SLD03351	SLD03351					Americium-241	0.40	0.06	0.44	pCi/g	
SLD03351	SLD03351					Cesium-137	0.58	0.04	0.18	pCi/g	
SLD03351	SLD03351					Pa-231	2.65	0.63	5.47	pCi/g	
SLD03351	SLD03351					Potassium-40	5.05	0.71	2.90	pCi/g	
SLD03351	SLD03351					Radium-226	25.06	0.37	0.47	pCi/g	
SLD03351	SLD03351					Radium-228	0.65	0.13	0.74	pCi/g	
SLD03351	SLD03351					Thorium-228	0.65	0.13	0.74	pCi/g	
SLD03351	SLD03351					Thorium-230	27.46	11.92	55.00	pCi/g	
SLD03351	SLD03351					Thorium-232	0.65	0.13	0.74	pCi/g	
SLD03351	SLD03351					Uranium-235	6.36	0.38	1.76	pCi/g	
SLD03351	SLD03351					Uranium-238	110.02	4.55	4.46	pCi/g	
SLD03351	SLD03352	9/8/99	0.5	1.0		Actinium-227	2.00	0.06	0.49	pCi/g	1.39
SLD03351	SLD03352					Americium-241	0.25	0.00	0.25	pCi/g	

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Sample Location	Sample Number	Collection Date	Start Depth (feet) bgs	End Depth (feet) bgs	Thickness of Cover Material (ft)	Parameter	Result	Error	Detection Limit	Units	Sum of Ratios Value
SLD03351	SLD03352					Cesium-137	0.09	0.01	0.07	pCi/g	
SLD03351	SLD03352					Pa-231	1.94	0.23	2.36	pCi/g	
SLD03351	SLD03352					Potassium-40	12.68	0.53	1.14	pCi/g	
SLD03351	SLD03352					Radium-226	14.77	0.21	0.21	pCi/g	
SLD03351	SLD03352					Radium-228	0.79	0.04	0.20	pCi/g	
SLD03351	SLD03352					Thorium-228	0.79	0.04	0.20	pCi/g	
SLD03351	SLD03352					Thorium-230	13.92	4.79	22.10	pCi/g	
SLD03351	SLD03352					Thorium-232	0.79	0.04	0.20	pCi/g	
SLD03351	SLD03352					Uranium-235	1.88	0.12	0.72	pCi/g	
SLD03351	SLD03352					Uranium-238	31.04	1.43	2.41	pCi/g	
SLD03353	SLD03353	9/9/99	0.5	0.7	0.5	Actinium-227	4.07	0.00	4.07	pCi/g	11.46
SLD03353	SLD03353					Americium-241	2.10	0.14	0.79	pCi/g	
SLD03353	SLD03353					Cesium-137	0.49	0.00	0.49	pCi/g	
SLD03353	SLD03353					Pa-231	14.00	0.00	14.00	pCi/g	
SLD03353	SLD03353					Potassium-40	8.56	0.88	3.52	pCi/g	
SLD03353	SLD03353					Radium-226	15.60	0.25	0.76	pCi/g	
SLD03353	SLD03353					Radium-228	54.37	0.89	0.94	pCi/g	
SLD03353	SLD03353					Thorium-228	54.37	0.89	0.94	pCi/g	
SLD03353	SLD03353					Thorium-230	112.99	9.78	76.70	pCi/g	
SLD03353	SLD03353					Thorium-232	54.37	0.89	0.94	pCi/g	
SLD03353	SLD03353					Uranium-235	2.47	0.00	2.47	pCi/g	
SLD03353	SLD03353					Uranium-238	25.79	1.51	7.58	pCi/g	
SLD03353	SLD03354	9/9/99	0.7	0.8		Actinium-227	1.85	0.06	0.46	pCi/g	2.41
SLD03353	SLD03354					Americium-241	0.27	0.02	0.15	pCi/g	
SLD03353	SLD03354					Cesium-137	0.13	0.00	0.13	pCi/g	
SLD03353	SLD03354					Pa-231	3.74	0.00	3.74	pCi/g	
SLD03353	SLD03354					Potassium-40	10.02	0.40	0.87	pCi/g	
SLD03353	SLD03354					Radium-226	6.05	0.09	0.20	pCi/g	
SLD03353	SLD03354					Radium-228	14.87	0.24	0.25	pCi/g	
SLD03353	SLD03354					Thorium-228	14.87	0.24	0.25	pCi/g	
SLD03353	SLD03354					Thorium-230	16.03	2.03	16.90	pCi/g	
SLD03353	SLD03354					Thorium-232	14.87	0.24	0.25	pCi/g	
SLD03353	SLD03354					Uranium-235	1.85	0.08	0.47	pCi/g	
SLD03353	SLD03354					Uranium-238	28.30	1.20	1.61	pCi/g	
SLD03355	SLD03355	9/9/99	0.0	0.5	0	Actinium-227	5.93	0.00	5.93	pCi/g	28.59
SLD03355	SLD03355					Americium-241	4.90	0.26	1.08	pCi/g	
SLD03355	SLD03355					Cesium-137	0.69	0.00	0.69	pCi/g	
SLD03355	SLD03355					Pa-231	20.40	0.00	20.40	pCi/g	

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Sample Location	Sample Number	Collection Date	Start Depth (feet) bgs	End Depth (feet) bgs	Thickness of Cover Material (ft)	Parameter	Result	Error	Detection Limit	Units	Sum of Ratios Value
SLD03355	SLD03355					Potassium-40	9.99	1.24	5.30	pCi/g	
SLD03355	SLD03355					Radium-226	31.32	0.47	1.16	pCi/g	
SLD03355	SLD03355					Radium-228	111.16	1.76	1.59	pCi/g	
SLD03355	SLD03355					Thorium-228	111.16	1.76	1.59	pCi/g	
SLD03355	SLD03355					Thorium-230	313.79	14.20	103.00	pCi/g	
SLD03355	SLD03355					Thorium-232	111.16	1.76	1.59	pCi/g	
SLD03355	SLD03355					Uranium-235	3.50	0.00	3.50	pCi/g	
SLD03355	SLD03355					Uranium-238	23.82	1.35	10.30	pCi/g	
SLD03355	SLD03356	9/9/99	0.5	1.0		Actinium-227	0.85	0.05	0.43	pCi/g	0.94
SLD03355	SLD03356					Americium-241	0.23	0.00	0.23	pCi/g	
SLD03355	SLD03356					Cesium-137	0.09	0.00	0.09	pCi/g	
SLD03355	SLD03356					Pa-231	3.63	0.00	3.63	pCi/g	
SLD03355	SLD03356					Potassium-40	11.85	0.49	0.98	pCi/g	
SLD03355	SLD03356					Radium-226	4.59	0.07	0.20	pCi/g	
SLD03355	SLD03356					Radium-228	8.30	0.15	0.27	pCi/g	
SLD03355	SLD03356					Thorium-228	8.30	0.15	0.27	pCi/g	
SLD03355	SLD03356					Thorium-230	21.50	0.00	21.50	pCi/g	
SLD03355	SLD03356					Thorium-232	8.30	0.15	0.27	pCi/g	
SLD03355	SLD03356					Uranium-235	1.05	0.10	0.68	pCi/g	
SLD03355	SLD03356					Uranium-238	17.70	0.91	2.19	pCi/g	
SLD03357	SLD03357	9/9/99	0.8	1.1	0.8	Actinium-227	0.86	0.04	0.31	pCi/g	0.60
SLD03357	SLD03357					Americium-241	0.08	0.01	0.10	pCi/g	
SLD03357	SLD03357					Cesium-137	0.09	0.00	0.09	pCi/g	
SLD03357	SLD03357					Pa-231	1.20	0.18	1.40	pCi/g	
SLD03357	SLD03357					Potassium-40	13.20	0.51	0.87	pCi/g	
SLD03357	SLD03357					Radium-226	6.33	0.09	0.14	pCi/g	
SLD03357	SLD03357					Radium-228	0.83	0.03	0.14	pCi/g	
SLD03357	SLD03357					Thorium-228	0.83	0.03	0.14	pCi/g	
SLD03357	SLD03357					Thorium-230	8.46	1.33	11.70	pCi/g	
SLD03357	SLD03357					Thorium-232	0.83	0.03	0.14	pCi/g	
SLD03357	SLD03357					Uranium-235	0.63	0.07	0.46	pCi/g	
SLD03357	SLD03357					Uranium-238	9.63	0.51	1.06	pCi/g	
SLD03357	SLD03358	9/9/99	1.1	2.0		Actinium-227	2.63	0.10	0.64	pCi/g	2.39
SLD03357	SLD03358					Americium-241	0.08	0.01	0.10	pCi/g	
SLD03357	SLD03358					Cesium-137	0.17	0.00	0.17	pCi/g	
SLD03357	SLD03358					Pa-231	3.13	0.34	2.68	pCi/g	
SLD03357	SLD03358					Potassium-40	14.16	0.84	1.63	pCi/g	
SLD03357	SLD03358					Radium-226	3.47	0.08	0.26	pCi/g	

Table 3-1
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Sample Location	Sample Number	Collection Date	Start Depth (feet) bgs	End Depth (feet) bgs	Thickness of Cover Material (ft)	Parameter	Result	Error	Detection Limit	Units	Sum of Ratios Value
SLD03357	SLD03358					Radium-228	0.93	0.07	0.37	pCi/g	
SLD03357	SLD03358					Thorium-228	0.93	0.07	0.37	pCi/g	
SLD03357	SLD03358					Thorium-230	28.29	8.03	36.40	pCi/g	
SLD03357	SLD03358					Thorium-232	0.93	0.07	0.37	pCi/g	
SLD03357	SLD03358					Uranium-235	2.47	0.18	1.03	pCi/g	
SLD03357	SLD03358					Uranium-238	33.11	1.75	3.94	pCi/g	
SLD03359	SLD03359	9/9/99	0.5	1.0	0.5	Actinium-227	0.78	0.00	0.78	pCi/g	0.00
SLD03359	SLD03359					Americium-241	0.14	0.00	0.14	pCi/g	
SLD03359	SLD03359					Cesium-137	0.09	0.00	0.09	pCi/g	
SLD03359	SLD03359					Pa-231	2.47	0.00	2.47	pCi/g	
SLD03359	SLD03359					Potassium-40	6.81	0.51	0.72	pCi/g	
SLD03359	SLD03359					Radium-226	0.64	0.03	0.18	pCi/g	
SLD03359	SLD03359					Radium-228	0.46	0.05	0.28	pCi/g	
SLD03359	SLD03359					Thorium-228	0.46	0.05	0.28	pCi/g	
SLD03359	SLD03359					Thorium-230	14.70	0.00	14.70	pCi/g	
SLD03359	SLD03359					Thorium-232	0.46	0.05	0.28	pCi/g	
SLD03359	SLD03359					Uranium-235	0.46	0.00	0.46	pCi/g	
SLD03359	SLD03359					Uranium-238	0.81	0.30	1.37	pCi/g	
SLD03367	SLD03367	9/14/99	0.0	0.5	0.5	Actinium-227	1.39	0.09	0.83	pCi/g	2.06
SLD03367	SLD03367					Americium-241	0.23	0.04	0.29	pCi/g	
SLD03367	SLD03367					Cesium-137	0.20	0.02	0.13	pCi/g	
SLD03367	SLD03367					Pa-231	6.20	0.00	6.20	pCi/g	
SLD03367	SLD03367					Potassium-40	5.26	0.52	1.78	pCi/g	
SLD03367	SLD03367					Radium-226	13.26	0.21	0.37	pCi/g	
SLD03367	SLD03367					Radium-228	2.88	0.12	0.56	pCi/g	
SLD03367	SLD03367					Thorium-228	2.88	0.12	0.56	pCi/g	
SLD03367	SLD03367					Thorium-230	27.22	3.79	29.20	pCi/g	
SLD03367	SLD03367					Thorium-232	2.88	0.12	0.56	pCi/g	
SLD03367	SLD03367					Uranium-235	0.80	0.27	1.26	pCi/g	
SLD03367	SLD03367					Uranium-238	13.34	0.78	2.76	pCi/g	
SLD03367	SLD03368	9/14/99	0.5	1.0		Actinium-227	0.64	0.00	0.64	pCi/g	0.00
SLD03367	SLD03368					Americium-241	0.15	0.00	0.15	pCi/g	
SLD03367	SLD03368					Cesium-137	0.10	0.00	0.10	pCi/g	
SLD03367	SLD03368					Pa-231	2.38	0.00	2.38	pCi/g	
SLD03367	SLD03368					Potassium-40	14.27	0.67	0.63	pCi/g	
SLD03367	SLD03368					Radium-226	1.28	0.04	0.15	pCi/g	
SLD03367	SLD03368					Radium-228	0.32	0.04	0.23	pCi/g	
SLD03367	SLD03368					Thorium-228	0.32	0.04	0.23	pCi/g	

Table 3-1
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Sample Location	Sample Number	Collection Date	Start Depth (feet) bgs	End Depth (feet) bgs	Thickness of Cover Material (ft)	Parameter	Result	Error	Detection Limit	Units	Sum of Ratios Value
SLD03367	SLD03368					Thorium-230	14.80	0.00	14.80	pCi/g	
SLD03367	SLD03368					Thorium-232	0.32	0.04	0.23	pCi/g	
SLD03367	SLD03368					Uranium-235	0.45	0.00	0.45	pCi/g	
SLD03367	SLD03368					Uranium-238	0.92	0.35	1.58	pCi/g	
SLD03369	SLD03369	9/14/99	0.0	0.5	0	Actinium-227	0.71	0.03	0.31	pCi/g	0.73
SLD03369	SLD03369					Americium-241	0.15	0.00	0.15	pCi/g	
SLD03369	SLD03369					Cesium-137	0.20	0.01	0.05	pCi/g	
SLD03369	SLD03369					Pa-231	2.28	0.00	2.28	pCi/g	
SLD03369	SLD03369					Potassium-40	10.06	0.39	0.83	pCi/g	
SLD03369	SLD03369					Radium-226	10.29	0.14	0.14	pCi/g	
SLD03369	SLD03369					Radium-228	1.82	0.04	0.14	pCi/g	
SLD03369	SLD03369					Thorium-228	1.82	0.04	0.14	pCi/g	
SLD03369	SLD03369					Thorium-230	9.36	1.29	10.50	pCi/g	
SLD03369	SLD03369					Thorium-232	1.82	0.04	0.14	pCi/g	
SLD03369	SLD03369					Uranium-235	0.61	0.06	0.47	pCi/g	
SLD03369	SLD03369					Uranium-238	10.03	0.49	1.04	pCi/g	
SLD03369	SLD03370	9/14/99	1.5	2.0		Actinium-227	0.96	0.04	0.29	pCi/g	0.51
SLD03369	SLD03370					Americium-241	0.15	0.00	0.15	pCi/g	
SLD03369	SLD03370					Cesium-137	0.05	0.01	0.05	pCi/g	
SLD03369	SLD03370					Pa-231	0.90	0.17	1.38	pCi/g	
SLD03369	SLD03370					Potassium-40	12.56	0.48	0.75	pCi/g	
SLD03369	SLD03370					Radium-226	5.25	0.08	0.13	pCi/g	
SLD03369	SLD03370					Radium-228	0.80	0.03	0.16	pCi/g	
SLD03369	SLD03370					Thorium-228	0.80	0.03	0.16	pCi/g	
SLD03369	SLD03370					Thorium-230	14.90	0.00	14.90	pCi/g	
SLD03369	SLD03370					Thorium-232	0.80	0.03	0.16	pCi/g	
SLD03369	SLD03370					Uranium-235	1.18	0.06	0.44	pCi/g	
SLD03369	SLD03370					Uranium-238	18.56	0.87	1.53	pCi/g	
SLD03371	SLD03371	9/14/99	0.5	1.5	0.5	Actinium-227	0.32	0.13	0.21	pCi/g	0.08
SLD03371	SLD03371					Americium-241	0.06	0.07	0.11	pCi/g	
SLD03371	SLD03371					Cesium-137	-0.03	0.02	0.03	pCi/g	
SLD03371	SLD03371					Pa-231	-0.28	0.55	0.82	pCi/g	
SLD03371	SLD03371					Potassium-40	13.74	1.43	0.29	pCi/g	
SLD03371	SLD03371					Radium-226	2.01	0.11	0.05	pCi/g	
SLD03371	SLD03371					Radium-228	0.80	0.09	0.07	pCi/g	
SLD03371	SLD03371					Thorium-228	0.80	0.09	0.07	pCi/g	
SLD03371	SLD03371					Thorium-230	-1.45	5.80	9.57	pCi/g	
SLD03371	SLD03371					Thorium-232	0.80	0.09	0.08	pCi/g	

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Sample Location	Sample Number	Collection Date	Start Depth (feet) bgs	End Depth (feet) bgs	Thickness of Cover Material (ft)	Parameter	Result	Error	Detection Limit	Units	Sum of Ratios Value
SLD03371	SLD03371					Uranium-235	0.29	0.12	0.18	pCi/g	
SLD03371	SLD03371					Uranium-238	5.25	1.14	3.72	pCi/g	
SLD03372	SLD03372	9/14/99	0.5	1.8	0.5	Actinium-227	0.60	0.14	0.22	pCi/g	0.41
SLD03372	SLD03372					Americium-241	0.08	0.09	0.15	pCi/g	
SLD03372	SLD03372					Cesium-137	0.01	0.03	0.04	pCi/g	
SLD03372	SLD03372					Pa-231	0.63	0.71	1.14	pCi/g	
SLD03372	SLD03372					Potassium-40	10.83	1.26	0.35	pCi/g	
SLD03372	SLD03372					Radium-226	4.22	0.21	0.07	pCi/g	
SLD03372	SLD03372					Radium-228	0.63	0.09	0.10	pCi/g	
SLD03372	SLD03372					Thorium-228	0.63	0.09	0.10	pCi/g	
SLD03372	SLD03372					Thorium-230	6.92	10.02	12.38	pCi/g	
SLD03372	SLD03372					Thorium-232	0.63	0.09	0.10	pCi/g	
SLD03372	SLD03372					Uranium-235	0.44	0.21	0.27	pCi/g	
SLD03372	SLD03372					Uranium-238	5.10	1.34	4.76	pCi/g	
SLD03373	SLD03373	9/14/99	0.5	1.0	0.5	Actinium-227	5.19	0.31	0.28	pCi/g	3.03
SLD03373	SLD03373					Americium-241	0.06	0.15	0.24	pCi/g	
SLD03373	SLD03373					Cesium-137	0.01	0.03	0.04	pCi/g	
SLD03373	SLD03373					Pa-231	6.04	0.99	1.31	pCi/g	
SLD03373	SLD03373					Potassium-40	11.09	1.28	0.39	pCi/g	
SLD03373	SLD03373					Radium-226	4.52	0.23	0.08	pCi/g	
SLD03373	SLD03373					Radium-228	1.31	0.14	0.11	pCi/g	
SLD03373	SLD03373					Thorium-228	1.31	0.14	0.11	pCi/g	
SLD03373	SLD03373					Thorium-230	39.70	17.32	20.90	pCi/g	
SLD03373	SLD03373					Thorium-232	1.31	0.14	0.11	pCi/g	
SLD03373	SLD03373					Uranium-235	2.10	0.31	0.35	pCi/g	
SLD03373	SLD03373					Uranium-238	25.58	2.94	5.51	pCi/g	
SLD03374	SLD03374	9/14/99	0.5	1.0	0.5	Actinium-227	0.43	0.12	0.21	pCi/g	0.62
SLD03374	SLD03374					Americium-241	0.11	0.07	0.12	pCi/g	
SLD03374	SLD03374					Cesium-137	0.21	0.04	0.03	pCi/g	
SLD03374	SLD03374					Pa-231	0.89	1.07	1.67	pCi/g	
SLD03374	SLD03374					Potassium-40	6.86	0.81	0.23	pCi/g	
SLD03374	SLD03374					Radium-226	2.83	0.15	0.05	pCi/g	
SLD03374	SLD03374					Radium-228	0.42	0.07	0.07	pCi/g	
SLD03374	SLD03374					Thorium-228	0.42	0.07	0.07	pCi/g	
SLD03374	SLD03374					Thorium-230	10.49	7.96	9.57	pCi/g	
SLD03374	SLD03374					Thorium-232	0.42	0.07	0.07	pCi/g	
SLD03374	SLD03374					Uranium-235	0.36	0.13	0.19	pCi/g	

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Plants 6EH and 6E
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Sample Location	Sample Number	Collection Date	Start Depth (feet) bgs	End Depth (feet) bgs	Thickness of Cover Material (ft)	Parameter	Result	Error	Detection Limit	Units	Sum of Ratios Value
SLD03374	SLD03374					Uranium-238	3.77	1.07	3.36	pCi/g	
SLD03375	SLD03375	9/14/99	0.5	1.0	0.5	Actinium-227	1.74	0.43	1.05	pCi/g	10.26
SLD03375	SLD03375					Americium-241	1.21	0.56	0.60	pCi/g	
SLD03375	SLD03375					Cesium-137	0.46	0.14	0.18	pCi/g	
SLD03375	SLD03375					Pa-231	6.44	3.33	5.04	pCi/g	
SLD03375	SLD03375					Potassium-40	13.33	2.22	1.34	pCi/g	
SLD03375	SLD03375					Radium-226	23.58	1.06	0.31	pCi/g	
SLD03375	SLD03375					Radium-228	65.70	3.79	0.47	pCi/g	
SLD03375	SLD03375					Thorium-228	65.70	3.79	0.47	pCi/g	
SLD03375	SLD03375					Thorium-230	83.36	34.27	52.52	pCi/g	
SLD03375	SLD03375					Thorium-232	65.70	3.79	0.47	pCi/g	
SLD03375	SLD03375					Uranium-235	1.48	0.67	1.07	pCi/g	
SLD03375	SLD03375					Uranium-238	27.25	4.71	15.04	pCi/g	
SLD03375	SLD03376	9/14/99	1.0	1.5		Actinium-227	0.62	0.19	0.33	pCi/g	1.17
SLD03375	SLD03376					Americium-241	-0.08	0.19	0.24	pCi/g	
SLD03375	SLD03376					Cesium-137	0.30	0.06	0.06	pCi/g	
SLD03375	SLD03376					Pa-231	0.89	1.07	1.67	pCi/g	
SLD03375	SLD03376					Potassium-40	9.80	1.17	0.50	pCi/g	
SLD03375	SLD03376					Radium-226	7.41	0.35	0.11	pCi/g	
SLD03375	SLD03376					Radium-228	4.42	0.31	0.15	pCi/g	
SLD03375	SLD03376					Thorium-228	4.42	0.31	0.15	pCi/g	
SLD03375	SLD03376					Thorium-230	10.11	11.50	19.91	pCi/g	
SLD03375	SLD03376					Thorium-232	4.42	0.31	0.15	pCi/g	
SLD03375	SLD03376					Uranium-235	1.16	0.28	0.37	pCi/g	
SLD03375	SLD03376					Uranium-238	21.12	2.71	6.07	pCi/g	
SLD03377	SLD03377	9/14/99	0.5	1.0	0.5	Actinium-227	11.93	0.91	1.12	pCi/g	12.10
SLD03377	SLD03377					Americium-241	2.22	0.52	0.73	pCi/g	
SLD03377	SLD03377					Cesium-137	0.04	0.11	0.16	pCi/g	
SLD03377	SLD03377					Pa-231	13.42	3.59	5.39	pCi/g	
SLD03377	SLD03377					Potassium-40	2.21	1.44	1.93	pCi/g	
SLD03377	SLD03377					Radium-226	180.40	7.48	0.35	pCi/g	
SLD03377	SLD03377					Radium-228	0.12	0.32	0.46	pCi/g	
SLD03377	SLD03377					Thorium-228	0.12	0.32	0.46	pCi/g	
SLD03377	SLD03377					Thorium-230	111.70	46.14	6.59	pCi/g	
SLD03377	SLD03377					Thorium-232	0.12	0.32	0.46	pCi/g	
SLD03377	SLD03377					Uranium-235	4.23	0.91	1.23	pCi/g	
SLD03377	SLD03377					Uranium-238	14.30	4.84	21.27	pCi/g	

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Plants 6EH and 6E
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Sample Location	Sample Number	Collection Date	Start Depth (feet) bgs	End Depth (feet) bgs	Thickness of Cover Material (ft)	Parameter	Result	Error	Detection Limit	Units	Sum of Ratios Value
SLD03377	SLD03378	9/14/99	1.0	2.0		Actinium-227	9.74	0.52	0.39	pCi/g	3.98
SLD03377	SLD03378					Americium-241	0.26	0.20	0.31	pCi/g	
SLD03377	SLD03378					Cesium-137	-0.04	0.04	0.05	pCi/g	
SLD03377	SLD03378					Pa-231	9.96	1.25	1.85	pCi/g	
SLD03377	SLD03378					Potassium-40	12.24	1.43	0.58	pCi/g	
SLD03377	SLD03378					Radium-226	13.68	0.61	0.12	pCi/g	
SLD03377	SLD03378					Radium-228	1.17	0.15	0.16	pCi/g	
SLD03377	SLD03378					Thorium-228	1.17	0.15	0.16	pCi/g	
SLD03377	SLD03378					Thorium-230	54.54	22.47	26.56	pCi/g	
SLD03377	SLD03378					Thorium-232	1.17	0.15	0.16	pCi/g	
SLD03377	SLD03378					Uranium-235	2.76	0.41	0.48	pCi/g	
SLD03377	SLD03378					Uranium-238	24.19	3.35	6.82	pCi/g	
SLD03379	SLD03379	9/15/99	0.8	2.0	0.8	Actinium-227	0.41	0.11	0.20	pCi/g	0.04
SLD03379	SLD03379					Americium-241	0.02	0.07	0.11	pCi/g	
SLD03379	SLD03379					Cesium-137	-0.01	0.02	0.03	pCi/g	
SLD03379	SLD03379					Pa-231	0.45	0.47	0.77	pCi/g	
SLD03379	SLD03379					Potassium-40	11.82	1.29	0.23	pCi/g	
SLD03379	SLD03379					Radium-226	0.92	0.07	0.04	pCi/g	
SLD03379	SLD03379					Radium-228	0.71	0.08	0.07	pCi/g	
SLD03379	SLD03379					Thorium-228	0.71	0.08	0.07	pCi/g	
SLD03379	SLD03379					Thorium-230	-5.38	5.71	8.65	pCi/g	
SLD03379	SLD03379					Thorium-232	0.71	0.08	0.07	pCi/g	
SLD03379	SLD03379					Uranium-235	0.25	0.13	0.16	pCi/g	
SLD03379	SLD03379					Uranium-238	3.39	1.15	3.25	pCi/g	
SLD03380	SLD03380	9/15/99	2.5	3.0	2	Actinium-227	0.89	0.19	0.31	pCi/g	0.51
SLD03380	SLD03380					Americium-241	0.19	0.13	0.21	pCi/g	
SLD03380	SLD03380					Cesium-137	0.01	0.04	0.05	pCi/g	
SLD03380	SLD03380					Pa-231	0.23	1.03	1.58	pCi/g	
SLD03380	SLD03380					Potassium-40	8.78	1.14	0.62	pCi/g	
SLD03380	SLD03380					Radium-226	8.67	0.41	0.10	pCi/g	
SLD03380	SLD03380					Radium-228	1.07	0.13	0.14	pCi/g	
SLD03380	SLD03380					Thorium-228	1.07	0.13	0.14	pCi/g	
SLD03380	SLD03380					Thorium-230	-0.37	10.87	17.98	pCi/g	
SLD03380	SLD03380					Thorium-232	1.07	0.13	0.14	pCi/g	
SLD03380	SLD03380					Uranium-235	0.59	0.30	0.38	pCi/g	
SLD03380	SLD03380					Uranium-238	6.84	1.92	6.20	pCi/g	
SLD03380	SLD03381	9/15/99	4.0	4.5		Actinium-227	1.56	0.24	0.36	0.36	0.70
SLD03380	SLD03381					Americium-241	0.07	0.15	0.24	pCi/g	

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Sample Location	Sample Number	Collection Date	Start Depth (feet) bgs	End Depth (feet) bgs	Thickness of Cover Material (ft)	Parameter	Result	Error	Detection Limit	Units	Sum of Ratios Value
SLD03380	SLD03381					Cesium-137	0.01	0.04	0.06	pCi/g	
SLD03380	SLD03381					Pa-231	1.17	1.25	0.96	pCi/g	
SLD03380	SLD03381					Potassium-40	9.37	1.39	0.66	pCi/g	
SLD03380	SLD03381					Radium-226	12.35	0.57	0.12	pCi/g	
SLD03380	SLD03381					Radium-228	1.01	0.14	0.16	pCi/g	
SLD03380	SLD03381					Thorium-228	1.01	0.14	0.16	pCi/g	
SLD03380	SLD03381					Thorium-230	-2.68	12.62	20.76	pCi/g	
SLD03380	SLD03381					Thorium-232	1.01	0.14	0.16	pCi/g	
SLD03380	SLD03381					Uranium-235	0.71	0.31	0.40	pCi/g	
SLD03380	SLD03381					Uranium-238	4.27	2.01	7.35	pCi/g	
SLD03380	SLD03382	9/15/99	6.5	7.0		Actinium-227	0.66	0.16	0.25	pCi/g	0.04
SLD03380	SLD03382					Americium-241	0.08	0.11	0.17	pCi/g	
SLD03380	SLD03382					Cesium-137	0.02	0.03	0.04	pCi/g	
SLD03380	SLD03382					Pa-231	0.69	0.84	1.36	pCi/g	
SLD03380	SLD03382					Potassium-40	6.47	0.98	0.47	pCi/g	
SLD03380	SLD03382					Radium-226	4.84	0.25	0.08	pCi/g	
SLD03380	SLD03382					Radium-228	0.59	0.10	0.12	pCi/g	
SLD03380	SLD03382					Thorium-228	0.59	0.10	0.12	pCi/g	
SLD03380	SLD03382					Thorium-230	-0.96	8.40	13.96	pCi/g	
SLD03380	SLD03382					Thorium-232	0.59	0.10	0.12	pCi/g	
SLD03380	SLD03382					Uranium-235	0.25	0.21	0.30	pCi/g	
SLD03380	SLD03382					Uranium-238	1.48	1.44	5.74	pCi/g	
SLD03380	SLD03383	9/15/99	8.5	9.0		Actinium-227	0.12	0.12	0.19	pCi/g	0.00
SLD03380	SLD03383					Americium-241	0.00	0.06	0.10	pCi/g	
SLD03380	SLD03383					Cesium-137	0.00	0.02	0.03	pCi/g	
SLD03380	SLD03383					Pa-231	0.07	0.49	0.78	pCi/g	
SLD03380	SLD03383					Potassium-40	12.25	1.36	0.28	pCi/g	
SLD03380	SLD03383					Radium-226	1.07	0.07	0.05	pCi/g	
SLD03380	SLD03383					Radium-228	0.74	0.09	0.07	pCi/g	
SLD03380	SLD03383					Thorium-228	0.74	0.09	0.07	pCi/g	
SLD03380	SLD03383					Thorium-230	-1.06	5.47	8.58	pCi/g	
SLD03380	SLD03383					Thorium-232	0.74	0.09	0.07	pCi/g	
SLD03380	SLD03383					Uranium-235	0.10	0.15	0.17	pCi/g	
SLD03380	SLD03383					Uranium-238	1.57	1.09	4.24	pCi/g	
SLD03380	SLD03384	9/15/99	13.0	13.5		Actinium-227	163.00	8.49	4.26	pCi/g	24.29
SLD03380	SLD03384					Americium-241	-0.96	3.87	6.09	pCi/g	
SLD03380	SLD03384					Cesium-137	0.61	0.40	0.64	pCi/g	
SLD03380	SLD03384					Pa-231	159.90	18.03	21.68	pCi/g	

Table 3-1
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Sample Location	Sample Number	Collection Date	Start Depth (feet) bgs	End Depth (feet) bgs	Thickness of Cover Material (ft)	Parameter	Result	Error	Detection Limit	Units	Sum of Ratios Value
SLD03380	SLD03384					Potassium-40	11.00	5.43	7.40	pCi/g	
SLD03380	SLD03384					Radium-226	1196.00	58.42	1.44	pCi/g	
SLD03380	SLD03384					Radium-228	2.30	1.30	1.87	pCi/g	
SLD03380	SLD03384					Thorium-228	2.30	1.30	1.87	pCi/g	
SLD03380	SLD03384					Thorium-230	241.70	270.00	402.50	pCi/g	
SLD03380	SLD03384					Thorium-232	2.30	1.30	1.87	pCi/g	
SLD03380	SLD03384					Uranium-235	34.37	4.79	4.81	pCi/g	
SLD03380	SLD03384					Uranium-238	65.87	30.35	81.91	pCi/g	
SLD03380	SLD03385	9/15/99	16.0	16.5		Actinium-227	0.50	0.29	0.40	pCi/g	0.19
SLD03380	SLD03385					Americium-241	0.28	0.35	0.52	pCi/g	
SLD03380	SLD03385					Cesium-137	-0.02	0.04	0.06	pCi/g	
SLD03380	SLD03385					Pa-231	0.15	1.26	1.90	pCi/g	
SLD03380	SLD03385					Potassium-40	18.18	2.24	0.60	pCi/g	
SLD03380	SLD03385					Radium-226	12.52	0.66	0.12	pCi/g	
SLD03380	SLD03385					Radium-228	0.98	0.14	0.16	pCi/g	
SLD03380	SLD03385					Thorium-228	0.98	0.14	0.16	pCi/g	
SLD03380	SLD03385					Thorium-230	5.27	21.91	34.89	pCi/g	
SLD03380	SLD03385					Thorium-232	0.98	0.14	0.16	pCi/g	
SLD03380	SLD03385					Uranium-235	0.20	0.25	0.43	pCi/g	
SLD03380	SLD03385					Uranium-238	-0.01	4.36	7.56	pCi/g	
SLD03380	SLD03386	9/15/99	20.5	21.0		Actinium-227	0.11	0.13	0.19	pCi/g	0.03
SLD03380	SLD03386					Americium-241	0.14	0.18	0.23	pCi/g	
SLD03380	SLD03386					Cesium-137	0.01	0.02	0.03	pCi/g	
SLD03380	SLD03386					Pa-231	0.55	0.55	0.89	pCi/g	
SLD03380	SLD03386					Potassium-40	16.90	2.04	0.24	pCi/g	
SLD03380	SLD03386					Radium-226	1.06	0.08	0.05	pCi/g	
SLD03380	SLD03386					Radium-228	0.99	0.11	0.08	pCi/g	
SLD03380	SLD03386					Thorium-228	0.99	0.11	0.08	pCi/g	
SLD03380	SLD03386					Thorium-230	5.27	21.91	34.89	pCi/g	
SLD03380	SLD03386					Thorium-232	0.99	0.11	0.08	pCi/g	
SLD03380	SLD03386					Uranium-235	0.00	0.11	0.19	pCi/g	
SLD03380	SLD03386					Uranium-238	0.92	1.40	4.07	pCi/g	
SLD03380	SLD03387	9/15/99	23.5	24.0		Actinium-227	0.15	0.09	0.20	pCi/g	0.00
SLD03380	SLD03387					Americium-241	-0.03	0.16	0.26	pCi/g	
SLD03380	SLD03387					Cesium-137	0.00	3.00	0.30	pCi/g	
SLD03380	SLD03387					Pa-231	0.20	0.58	0.92	pCi/g	
SLD03380	SLD03387					Potassium-40	16.68	2.04	0.29	pCi/g	
SLD03380	SLD03387					Radium-226	0.94	0.08	0.06	pCi/g	

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Sample Location	Sample Number	Collection Date	Start Depth (feet) bgs	End Depth (feet) bgs	Thickness of Cover Material (ft)	Parameter	Result	Error	Detection Limit	Units	Sum of Ratios Value
SLD03380	SLD03387					Radium-228	1.11	0.12	0.09	pCi/g	
SLD03380	SLD03387					Thorium-228	1.11	0.12	0.09	pCi/g	
SLD03380	SLD03387					Thorium-230	-9.56	11.73	16.46	pCi/g	
SLD03380	SLD03387					Thorium-232	1.11	0.12	0.09	pCi/g	
SLD03380	SLD03387					Uranium-235	0.15	0.18	0.21	pCi/g	
SLD03380	SLD03387					Uranium-238	1.05	1.47	4.15	pCi/g	
SLD03389	SLD03389	9/16/99	2.5	3.0	2	Actinium-227	0.17	0.16	0.26	pCi/g	0.84
SLD03389	SLD03389					Americium-241	0.04	0.19	0.30	pCi/g	
SLD03389	SLD03389					Cesium-137	0.01	0.02	0.04	pCi/g	
SLD03389	SLD03389					Pa-231	0.40	0.71	1.15	pCi/g	
SLD03389	SLD03389					Potassium-40	9.68	1.34	0.32	pCi/g	
SLD03389	SLD03389					Radium-226	1.64	0.12	0.07	pCi/g	
SLD03389	SLD03389					Radium-228	0.71	0.10	0.11	pCi/g	
SLD03389	SLD03389					Thorium-228	0.71	0.10	0.11	pCi/g	
SLD03389	SLD03389					Thorium-230	13.77	12.78	21.57	pCi/g	
SLD03389	SLD03389					Thorium-232	0.71	0.10	0.11	pCi/g	
SLD03389	SLD03389					Uranium-235	0.17	0.19	0.25	pCi/g	
SLD03389	SLD03389					Uranium-238	4.02	1.76	4.23	pCi/g	
SLD03389	SLD03390	9/16/99	4.5	5.0		Actinium-227	0.09	0.12	0.18	pCi/g	0.81
SLD03389	SLD03390					Americium-241	-0.02	0.15	0.25	pCi/g	
SLD03389	SLD03390					Cesium-137	-0.01	0.02	0.03	pCi/g	
SLD03389	SLD03390					Pa-231	0.03	0.70	0.78	pCi/g	
SLD03389	SLD03390					Potassium-40	15.06	1.83	0.26	pCi/g	
SLD03389	SLD03390					Radium-226	1.16	0.09	0.05	pCi/g	
SLD03389	SLD03390					Radium-228	0.87	0.10	0.08	pCi/g	
SLD03389	SLD03390					Thorium-228	0.87	0.10	0.08	pCi/g	
SLD03389	SLD03390					Thorium-230	13.77	12.78	21.57	pCi/g	
SLD03389	SLD03390					Thorium-232	0.87	0.10	0.08	pCi/g	
SLD03389	SLD03390					Uranium-235	0.11	0.11	0.19	pCi/g	
SLD03389	SLD03390					Uranium-238	2.23	1.53	3.96	pCi/g	
SLD03389	SLD03391	9/16/99	7.0	7.5		Actinium-227	0.10	0.13	0.20	pCi/g	0.01
SLD03389	SLD03391					Americium-241	0.13	0.17	0.27	pCi/g	
SLD03389	SLD03391					Cesium-137	0.61	0.40	0.64	pCi/g	
SLD03389	SLD03391					Pa-231	0.10	0.57	0.90	pCi/g	
SLD03389	SLD03391					Potassium-40	11.00	5.43	7.40	pCi/g	
SLD03389	SLD03391					Radium-226	1.31	0.09	0.07	pCi/g	
SLD03389	SLD03391					Radium-228	0.68	0.10	0.09	pCi/g	
SLD03389	SLD03391					Thorium-228	0.68	0.10	0.09	pCi/g	

Table 3-1
Plants 6EH and 6E
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Sample Location	Sample Number	Collection Date	Start Depth (feet) bgs	End Depth (feet) bgs	Thickness of Cover Material (ft)	Parameter	Result	Error	Detection Limit	Units	Sum of Ratios Value
SLD03389	SLD03391					Thorium-230	-7.81	12.22	17.40	pCi/g	
SLD03389	SLD03391					Thorium-232	0.68	0.10	0.09	pCi/g	
SLD03389	SLD03391					Uranium-235	0.04	0.13	0.22	pCi/g	
SLD03389	SLD03391					Uranium-238	2.94	1.72	3.93	pCi/g	
SLD03389	SLD03392	9/16/99	9.0	9.5		Actinium-227	0.11	0.15	0.22	pCi/g	0.00
SLD03389	SLD03392					Americium-241	-0.14	0.18	0.28	pCi/g	
SLD03389	SLD03392					Cesium-137	0.00	0.02	0.04	pCi/g	
SLD03389	SLD03392					Pa-231	-0.09	0.66	1.02	pCi/g	
SLD03389	SLD03392					Potassium-40	14.22	1.85	0.33	pCi/g	
SLD03389	SLD03392					Radium-226	1.36	0.10	0.07	pCi/g	
SLD03389	SLD03392					Radium-228	0.89	0.12	0.11	pCi/g	
SLD03389	SLD03392					Thorium-228	0.89	0.12	0.11	pCi/g	
SLD03389	SLD03392					Thorium-230	-5.66	12.16	19.19	pCi/g	
SLD03389	SLD03392					Thorium-232	0.89	0.12	0.11	pCi/g	
SLD03389	SLD03392					Uranium-235	0.14	0.17	0.24	pCi/g	
SLD03389	SLD03392					Uranium-238	1.48	1.64	4.72	pCi/g	
SLD03389	SLD03393	9/16/99	12.0	12.5		Actinium-227	0.10	0.13	0.20	pCi/g	0.05
SLD03389	SLD03393					Americium-241	0.05	0.15	0.25	pCi/g	
SLD03389	SLD03393					Cesium-137	0.02	0.03	0.03	pCi/g	
SLD03389	SLD03393					Pa-231	0.40	0.58	0.93	pCi/g	
SLD03389	SLD03393					Potassium-40	17.22	2.09	0.26	pCi/g	
SLD03389	SLD03393					Radium-226	1.04	0.08	0.06	pCi/g	
SLD03389	SLD03393					Radium-228	1.08	0.12	0.09	pCi/g	
SLD03389	SLD03393					Thorium-228	1.08	0.12	0.09	pCi/g	
SLD03389	SLD03393					Thorium-230	6.32	10.51	17.32	pCi/g	
SLD03389	SLD03393					Thorium-232	1.08	0.12	0.09	pCi/g	
SLD03389	SLD03393					Uranium-235	0.16	0.12	0.21	pCi/g	
SLD03389	SLD03393					Uranium-238	1.72	1.63	4.36	pCi/g	
SLD03389	SLD03394	9/16/99	16.5	17.0		Actinium-227	0.04	0.07	0.18	pCi/g	0.01
SLD03389	SLD03394					Americium-241	-0.05	0.14	0.23	pCi/g	
SLD03389	SLD03394					Cesium-137	0.00	0.02	0.03	pCi/g	
SLD03389	SLD03394					Pa-231	0.53	0.49	0.80	pCi/g	
SLD03389	SLD03394					Potassium-40	16.51	1.98	0.25	pCi/g	
SLD03389	SLD03394					Radium-226	1.01	0.07	0.05	pCi/g	
SLD03389	SLD03394					Radium-228	1.04	0.11	0.07	pCi/g	
SLD03389	SLD03394					Thorium-228	1.04	0.11	0.07	pCi/g	
SLD03389	SLD03394					Thorium-230	-8.18	9.72	14.92	pCi/g	
SLD03389	SLD03394					Thorium-232	1.04	0.11	0.07	pCi/g	

Table J-1
Plants 6EH and 6E
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Sample Location	Sample Number	Collection Date	Start Depth (feet) bgs	End Depth (feet) bgs	Thickness of Cover Material (ft)	Parameter	Result	Error	Detection Limit	Units	Sum of Ratios Value
SLD03389	SLD03394					Uranium-235	0.00	0.11	0.18	pCi/g	
SLD03389	SLD03394					Uranium-238	2.35	2.01	3.85	pCi/g	
SLD03389	SLD03395	9/16/99	21.5	22.0		Actinium-227	0.13	0.12	0.18	pCi/g	0.02
SLD03389	SLD03395					Americium-241	-0.03	0.14	0.23	pCi/g	
SLD03389	SLD03395					Cesium-137	0.00	0.02	0.03	pCi/g	
SLD03389	SLD03395					Pa-231	0.04	0.48	0.74	pCi/g	
SLD03389	SLD03395					Potassium-40	16.18	1.96	0.27	pCi/g	
SLD03389	SLD03395					Radium-226	0.97	0.07	0.05	pCi/g	
SLD03389	SLD03395					Radium-228	0.98	0.11	0.07	pCi/g	
SLD03389	SLD03395					Thorium-228	0.98	0.11	0.07	pCi/g	
SLD03389	SLD03395					Thorium-230	4.07	9.07	14.85	pCi/g	
SLD03389	SLD03395					Thorium-232	0.98	0.11	0.07	pCi/g	
SLD03389	SLD03395					Uranium-235	0.05	0.10	0.18	pCi/g	
SLD03389	SLD03395					Uranium-238	1.71	2.07	3.89	pCi/g	
SLD03396	SLD03396	9/16/99	0.0	0.5	0	Actinium-227	0.37	0.14	0.22	pCi/g	0.05
SLD03396	SLD03396					Americium-241	0.04	0.19	0.28	pCi/g	
SLD03396	SLD03396					Cesium-137	0.10	0.03	0.03	pCi/g	
SLD03396	SLD03396					Pa-231	0.00	0.88	0.97	pCi/g	
SLD03396	SLD03396					Potassium-40	7.96	1.04	0.29	pCi/g	
SLD03396	SLD03396					Radium-226	3.00	0.17	0.06	pCi/g	
SLD03396	SLD03396					Radium-228	1.01	0.12	0.08	pCi/g	
SLD03396	SLD03396					Thorium-228	1.01	0.12	0.08	pCi/g	
SLD03396	SLD03396					Thorium-230	2.56	12.25	18.09	pCi/g	
SLD03396	SLD03396					Thorium-232	1.01	0.12	0.08	pCi/g	
SLD03396	SLD03396					Uranium-235	0.37	0.18	0.21	pCi/g	
SLD03396	SLD03396					Uranium-238	1.71	2.07	3.89	pCi/g	
SLD03396	SLD03397	9/16/99	2.5	3.0		Actinium-227	0.16	0.33	0.52	pCi/g	0.05
SLD03396	SLD03397					Americium-241	-0.34	0.46	0.72	pCi/g	
SLD03396	SLD03397					Cesium-137	0.00	0.05	0.09	pCi/g	
SLD03396	SLD03397					Pa-231	-0.24	1.70	2.66	pCi/g	
SLD03396	SLD03397					Potassium-40	17.95	2.95	1.10	pCi/g	
SLD03396	SLD03397					Radium-226	1.84	0.21	0.17	pCi/g	
SLD03396	SLD03397					Radium-228	1.10	0.25	0.26	pCi/g	
SLD03396	SLD03397					Thorium-228	1.10	0.25	1.10	pCi/g	
SLD03396	SLD03397					Thorium-230	-44.92	30.10	42.45	pCi/g	
SLD03396	SLD03397					Thorium-232	1.10	0.25	0.26	pCi/g	
SLD03396	SLD03397					Uranium-235	0.19	0.29	0.53	pCi/g	

Table 3-1
Plants 6EH and 6E
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Sample Location	Sample Number	Collection Date	Start Depth (feet) bgs	End Depth (feet) bgs	Thickness of Cover Material (ft)	Parameter	Result	Error	Detection Limit	Units	Sum of Ratios Value
SLD03396	SLD03397					Uranium-238	3.46	7.82	13.85	pCi/g	
SLD03396	SLD03398	9/16/99	4.0	4.5		Actinium-227	-0.02	0.12	0.17	pCi/g	0.03
SLD03396	SLD03398					Americium-241	-0.04	0.14	0.21	pCi/g	
SLD03396	SLD03398					Cesium-137	-0.02	0.02	0.03	pCi/g	
SLD03396	SLD03398					Pa-231	0.19	0.49	0.77	pCi/g	
SLD03396	SLD03398					Potassium-40	15.31	1.84	0.21	pCi/g	
SLD03396	SLD03398					Radium-226	1.08	0.08	0.05	pCi/g	
SLD03396	SLD03398					Radium-228	0.89	0.10	0.07	pCi/g	
SLD03396	SLD03398					Thorium-228	0.89	0.10	0.07	pCi/g	
SLD03396	SLD03398					Thorium-230	1.96	19.79	29.03	pCi/g	
SLD03396	SLD03398					Thorium-232	0.89	0.10	0.07	pCi/g	
SLD03396	SLD03398					Uranium-235	0.17	0.16	0.18	pCi/g	
SLD03396	SLD03398					Uranium-238	2.45	1.18	3.30	pCi/g	
SLD03396	SLD03399	9/16/99	9.5	10.0		Actinium-227	0.08	0.11	0.17	pCi/g	0.08
SLD03396	SLD03399					Americium-241	-0.02	0.13	0.21	pCi/g	
SLD03396	SLD03399					Cesium-137	0.00	0.02	0.03	pCi/g	
SLD03396	SLD03399					Pa-231	0.01	0.50	0.77	pCi/g	
SLD03396	SLD03399					Potassium-40	12.67	1.57	0.28	pCi/g	
SLD03396	SLD03399					Radium-226	1.02	0.08	0.05	pCi/g	
SLD03396	SLD03399					Radium-228	0.80	0.10	0.08	pCi/g	
SLD03396	SLD03399					Thorium-228	0.80	0.10	0.08	pCi/g	
SLD03396	SLD03399					Thorium-230	9.62	14.29	14.10	pCi/g	
SLD03396	SLD03399					Thorium-232	0.80	0.10	0.08	pCi/g	
SLD03396	SLD03399					Uranium-235	0.17	0.16	0.18	pCi/g	
SLD03396	SLD03399					Uranium-238	1.60	1.41	3.74	pCi/g	
SLD03396	SLD03540	9/16/99	13.0	13.5		Actinium-227	0.06	0.22	0.32	pCi/g	0.14
SLD03396	SLD03540					Americium-241	0.04	0.27	0.43	pCi/g	
SLD03396	SLD03540					Cesium-137	-0.03	0.04	0.05	pCi/g	
SLD03396	SLD03540					Pa-231	-0.13	0.93	1.59	pCi/g	
SLD03396	SLD03540					Potassium-40	16.06	2.01	0.51	pCi/g	
SLD03396	SLD03540					Radium-226	8.09	0.44	0.10	pCi/g	
SLD03396	SLD03540					Radium-228	0.99	0.14	0.15	pCi/g	
SLD03396	SLD03540					Thorium-228	0.99	0.14	0.15	pCi/g	
SLD03396	SLD03540					Thorium-230	1.96	19.79	29.03	pCi/g	
SLD03396	SLD03540					Thorium-232	0.99	0.14	0.15	pCi/g	
SLD03396	SLD03540					Uranium-235	0.49	0.26	0.36	pCi/g	
SLD03396	SLD03540					Uranium-238	6.45	2.94	5.99	pCi/g	

Table 3-1
Plants 6EH and 6E
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Sample Location	Sample Number	Collection Date	Start Depth (feet) bgs	End Depth (feet) bgs	Thickness of Cover Material (ft)	Parameter	Result	Error	Detection Limit	Units	Sum of Ratios Value
SLD03396	SLD03541	9/16/99	15.5	16.0		Actinium-227	0.09	0.25	0.37	pCi/g	0.20
SLD03396	SLD03541					Americium-241	-0.12	0.32	0.50	pCi/g	
SLD03396	SLD03541					Cesium-137	0.00	0.02	0.03	pCi/g	
SLD03396	SLD03541					Pa-231	0.53	1.16	1.80	pCi/g	
SLD03396	SLD03541					Potassium-40	19.29	2.48	0.62	pCi/g	
SLD03396	SLD03541					Radium-226	8.66	0.47	0.12	pCi/g	
SLD03396	SLD03541					Radium-228	1.16	0.15	0.16	pCi/g	
SLD03396	SLD03541					Thorium-228	1.16	0.15	0.16	pCi/g	
SLD03396	SLD03541					Thorium-230	20.65	21.29	34.39	pCi/g	
SLD03396	SLD03541					Thorium-232	1.16	0.15	0.16	pCi/g	
SLD03396	SLD03541					Uranium-235	0.07	0.25	0.41	pCi/g	
SLD03396	SLD03541					Uranium-238	3.02	2.85	7.87	pCi/g	
SLD03396	SLD03542	9/16/99	21.5	22.0		Actinium-227	0.16	0.11	0.18	pCi/g	0.02
SLD03396	SLD03542					Americium-241	-0.01	0.06	0.10	pCi/g	
SLD03396	SLD03542					Cesium-137	0.00	0.02	0.03	pCi/g	
SLD03396	SLD03542					Pa-231	0.02	0.51	0.79	pCi/g	
SLD03396	SLD03542					Potassium-40	14.59	1.56	0.30	pCi/g	
SLD03396	SLD03542					Radium-226	0.83	0.06	0.05	pCi/g	
SLD03396	SLD03542					Radium-228	0.84	0.10	0.07	pCi/g	
SLD03396	SLD03542					Thorium-228	0.84	0.10	0.07	pCi/g	
SLD03396	SLD03542					Thorium-230	3.96	4.94	8.50	pCi/g	
SLD03396	SLD03542					Thorium-232	0.84	0.10	0.07	pCi/g	
SLD03396	SLD03542					Uranium-235	0.07	0.10	0.17	pCi/g	
SLD03396	SLD03542					Uranium-238	0.67	0.82	4.17	pCi/g	
SLD03396	SLD03353	9/16/99	23.5	24.0		Actinium-227	0.13	0.10	0.16	pCi/g	0.00
SLD03396	SLD03353					Americium-241	0.02	0.07	0.09	pCi/g	
SLD03396	SLD03353					Cesium-137	-0.01	0.02	0.03	pCi/g	
SLD03396	SLD03353					Pa-231	-0.13	0.42	0.64	pCi/g	
SLD03396	SLD03353					Potassium-40	13.98	1.46	0.22	pCi/g	
SLD03396	SLD03353					Radium-226	0.73	0.06	0.04	pCi/g	
SLD03396	SLD03353					Radium-228	0.73	0.08	0.07	pCi/g	
SLD03396	SLD03353					Thorium-228	0.73	0.08	0.07	pCi/g	
SLD03396	SLD03353					Thorium-230	1.84	4.25	7.53	pCi/g	
SLD03396	SLD03353					Thorium-232	0.73	0.08	0.07	pCi/g	
SLD03396	SLD03353					Uranium-235	0.09	0.11	0.15	pCi/g	
SLD03396	SLD03353					Uranium-238	1.02	0.64	3.33	pCi/g	
SLD03866	SLD03866	10/6/99	0.5	1.0	0.5	Actinium-227	8.69	0.62	0.68	pCi/g	16.15
SLD03866	SLD03866					Americium-241	0.93	0.31	0.47	pCi/g	

Table 3-1
Plants 6EH and 6E
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Sample Location	Sample Number	Collection Date	Start Depth (feet) bgs	End Depth (feet) bgs	Thickness of Cover Material (ft)	Parameter	Result	Error	Detection Limit	Units	Sum of Ratios Value
SLD03866	SLD03866					Cesium-137	-0.01	0.07	0.10	pCi/g	
SLD03866	SLD03866					Pa-231	9.03	1.98	1.24	pCi/g	
SLD03866	SLD03866					Potassium-40	14.68	2.31	3.53	pCi/g	
SLD03866	SLD03866					Radium-226	56.40	2.38	0.23	pCi/g	
SLD03866	SLD03866					Radium-228	1.25	0.22	0.29	pCi/g	
SLD03866	SLD03866					Thorium-228	1.25	0.22	0.29	pCi/g	
SLD03866	SLD03866					Thorium-230	242.50	47.58	39.57	pCi/g	
SLD03866	SLD03866					Thorium-232	1.25	0.22	0.29	pCi/g	
SLD03866	SLD03866					Uranium-235	3.36	0.67	0.78	pCi/g	
SLD03866	SLD03866					Uranium-238	5.85	3.48	14.34	pCi/g	
SLD03866	SLD03867	10/6/99	2.5	3.0		Actinium-227	0.11	0.09	0.21	pCi/g	0.02
SLD03866	SLD03867					Americium-241	0.05	0.07	0.11	pCi/g	
SLD03866	SLD03867					Cesium-137	0.04	0.02	0.03	pCi/g	
SLD03866	SLD03867					Pa-231	0.03	1.60	0.23	pCi/g	
SLD03866	SLD03867					Potassium-40	14.81	0.52	0.85	pCi/g	
SLD03866	SLD03867					Radium-226	0.98	0.07	0.05	pCi/g	
SLD03866	SLD03867					Radium-228	0.89	0.10	0.08	pCi/g	
SLD03866	SLD03867					Thorium-228	0.89	0.10	0.08	pCi/g	
SLD03866	SLD03867					Thorium-230	-0.97	5.08	8.85	pCi/g	
SLD03866	SLD03867					Thorium-232	0.89	0.10	0.08	pCi/g	
SLD03866	SLD03867					Uranium-235	0.19	0.12	0.16	pCi/g	
SLD03866	SLD03867					Uranium-238	2.42	0.83	3.28	pCi/g	
SLD03866	SLD03868	10/6/99	4.5	5.0		Actinium-227	0.26	0.14	0.22	pCi/g	0.00
SLD03866	SLD03868					Americium-241	0.02	0.07	0.12	pCi/g	
SLD03866	SLD03868					Cesium-137	-0.01	0.02	0.03	pCi/g	
SLD03866	SLD03868					Pa-231	0.25	1.87	0.30	pCi/g	
SLD03866	SLD03868					Potassium-40	17.50	0.52	0.84	pCi/g	
SLD03866	SLD03868					Radium-226	0.89	0.07	0.05	pCi/g	
SLD03866	SLD03868					Radium-228	0.96	0.11	0.09	pCi/g	
SLD03866	SLD03868					Thorium-228	0.96	0.11	0.09	pCi/g	
SLD03866	SLD03868					Thorium-230	-1.71	5.38	9.33	pCi/g	
SLD03866	SLD03868					Thorium-232	0.96	0.11	0.09	pCi/g	
SLD03866	SLD03868					Uranium-235	0.08	0.12	0.19	pCi/g	
SLD03866	SLD03868					Uranium-238	0.69	0.75	4.72	pCi/g	
SLD03866	SLD03869	10/6/99	7.0	7.5		Actinium-227	0.23	0.14	0.23	pCi/g	0.01
SLD03866	SLD03869					Americium-241	0.03	0.08	0.13	pCi/g	
SLD03866	SLD03869					Cesium-137	0.03	0.03	0.03	pCi/g	
SLD03866	SLD03869					Pa-231	-0.01	1.81	0.25	pCi/g	

Table 3-1
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Sample Location	Sample Number	Collection Date	Start Depth (feet) bgs	End Depth (feet) bgs	Thickness of Cover Material (ft)	Parameter	Result	Error	Detection Limit	Units	Sum of Ratios Value
SLD03866	SLD03869					Potassium-40	16.68	0.60	0.93	pCi/g	
SLD03866	SLD03869					Radium-226	1.25	0.09	0.06	pCi/g	
SLD03866	SLD03869					Radium-228	1.00	0.12	0.10	pCi/g	
SLD03866	SLD03869					Thorium-228	1.00	0.12	0.10	pCi/g	
SLD03866	SLD03869					Thorium-230	-4.55	6.17	10.04	pCi/g	
SLD03866	SLD03869					Thorium-232	1.00	0.12	0.10	pCi/g	
SLD03866	SLD03869					Uranium-235	0.30	0.18	0.19	pCi/g	
SLD03866	SLD03869					Uranium-238	2.41	1.13	4.48	pCi/g	
SLD03866	SLD03870	10/6/99	9.0	9.5		Actinium-227	0.11	0.12	0.18	pCi/g	0.02
SLD03866	SLD03870					Americium-241	0.01	0.06	0.10	pCi/g	
SLD03866	SLD03870					Cesium-137	0.06	0.02	0.03	pCi/g	
SLD03866	SLD03870					Pa-231	0.54	1.27	0.23	pCi/g	
SLD03866	SLD03870					Potassium-40	11.76	0.62	0.76	pCi/g	
SLD03866	SLD03870					Radium-226	1.15	0.07	0.05	pCi/g	
SLD03866	SLD03870					Radium-228	0.57	0.07	0.07	pCi/g	
SLD03866	SLD03870					Thorium-228	0.57	0.07	0.07	pCi/g	
SLD03866	SLD03870					Thorium-230	-0.32	4.96	8.26	pCi/g	
SLD03866	SLD03870					Thorium-232	0.57	0.07	0.07	pCi/g	
SLD03866	SLD03870					Uranium-235	0.18	0.10	0.16	pCi/g	
SLD03866	SLD03870					Uranium-238	4.49	1.09	3.14	pCi/g	
SLD03871	SLD03871	10/6/99	0.5	1.0	0.5	Actinium-227	0.23	0.14	0.22	pCi/g	0.33
SLD03871	SLD03871					Americium-241	0.10	0.09	0.14	pCi/g	
SLD03871	SLD03871					Cesium-137	0.00	0.02	0.03	pCi/g	
SLD03871	SLD03871					Pa-231	-0.03	1.77	0.26	pCi/g	
SLD03871	SLD03871					Potassium-40	16.86	0.60	0.92	pCi/g	
SLD03871	SLD03871					Radium-226	1.17	0.08	0.06	pCi/g	
SLD03871	SLD03871					Radium-228	1.02	0.10	0.09	pCi/g	
SLD03871	SLD03871					Thorium-228	1.02	0.10	0.09	pCi/g	
SLD03871	SLD03871					Thorium-230	3.87	6.69	11.30	pCi/g	
SLD03871	SLD03871					Thorium-232	1.02	0.10	0.09	pCi/g	
SLD03871	SLD03871					Uranium-235	0.73	0.18	0.20	pCi/g	
SLD03871	SLD03871					Uranium-238	11.01	1.73	4.30	pCi/g	
SLD03871	SLD03872	10/6/99	2.5	3.0		Actinium-227	0.18	0.14	0.21	pCi/g	0.05
SLD03871	SLD03872					Americium-241	0.07	0.07	0.12	pCi/g	
SLD03871	SLD03872					Cesium-137	-0.02	0.02	0.03	pCi/g	
SLD03871	SLD03872					Pa-231	0.08	1.51	0.33	pCi/g	
SLD03871	SLD03872					Potassium-40	13.51	0.52	0.93	pCi/g	
SLD03871	SLD03872					Radium-226	1.54	0.09	0.05	pCi/g	

Table 3-1
Plants 6EH and 6E
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Sample Location	Sample Number	Collection Date	Start Depth (feet) bgs	End Depth (feet) bgs	Thickness of Cover Material (ft)	Parameter	Result	Error	Detection Limit	Units	Sum of Ratios Value
SLD03871	SLD03872					Radium-228	0.96	0.11	0.09	pCi/g	
SLD03871	SLD03872					Thorium-228	0.96	0.11	0.09	pCi/g	
SLD03871	SLD03872					Thorium-230	2.41	6.64	9.74	pCi/g	
SLD03871	SLD03872					Thorium-232	0.96	0.11	0.09	pCi/g	
SLD03871	SLD03872					Uranium-235	0.18	0.16	0.20	pCi/g	
SLD03871	SLD03872					Uranium-238	2.07	0.95	4.53	pCi/g	
SLD03871	SLD03873	10/6/99	4.5	5.0		Actinium-227	0.15	0.13	0.20	pCi/g	0.00
SLD03871	SLD03873					Americium-241	0.00	0.07	0.11	pCi/g	
SLD03871	SLD03873					Cesium-137	-0.02	0.02	0.03	pCi/g	
SLD03871	SLD03873					Pa-231	0.17	1.82	0.24	pCi/g	
SLD03871	SLD03873					Potassium-40	17.17	0.50	0.81	pCi/g	
SLD03871	SLD03873					Radium-226	0.94	0.07	0.05	pCi/g	
SLD03871	SLD03873					Radium-228	0.94	0.10	0.09	pCi/g	
SLD03871	SLD03873					Thorium-228	0.94	0.10	0.09	pCi/g	
SLD03871	SLD03873					Thorium-230	-1.56	5.52	9.15	pCi/g	
SLD03871	SLD03873					Thorium-232	0.94	0.10	0.09	pCi/g	
SLD03871	SLD03873					Uranium-235	0.06	0.10	0.18	pCi/g	
SLD03871	SLD03873					Uranium-238	0.57	1.01	4.37	pCi/g	
SLD03871	SLD03874	10/6/99	6.5	7.0		Actinium-227	0.30	0.14	0.23	pCi/g	0.00
SLD03871	SLD03874					Americium-241	0.04	0.07	0.12	pCi/g	
SLD03871	SLD03874					Cesium-137	0.00	0.02	0.03	pCi/g	
SLD03871	SLD03874					Pa-231	0.00	1.89	0.32	pCi/g	
SLD03871	SLD03874					Potassium-40	17.69	0.57	0.89	pCi/g	
SLD03871	SLD03874					Radium-226	1.00	0.07	0.06	pCi/g	
SLD03871	SLD03874					Radium-228	1.08	0.12	0.09	pCi/g	
SLD03871	SLD03874					Thorium-228	1.08	0.12	0.09	pCi/g	
SLD03871	SLD03874					Thorium-230	-0.43	6.34	9.98	pCi/g	
SLD03871	SLD03874					Thorium-232	1.08	0.12	0.09	pCi/g	
SLD03871	SLD03874					Uranium-235	0.17	0.14	0.20	pCi/g	
SLD03871	SLD03874					Uranium-238	1.17	1.18	4.65	pCi/g	
SLD03871	SLD03875					Actinium-227	0.14	0.13	0.19	pCi/g	0.00
SLD03871	SLD03875					Americium-241	0.00	0.07	0.11	pCi/g	
SLD03871	SLD03875	10/6/99	9.0	9.5		Cesium-137	-0.01	0.02	0.03	pCi/g	
SLD03871	SLD03875					Pa-231	0.15	1.73	0.24	pCi/g	
SLD03871	SLD03875					Potassium-40	16.18	0.53	0.84	pCi/g	
SLD03871	SLD03875					Radium-226	0.90	0.07	0.05	pCi/g	
SLD03871	SLD03875					Radium-228	1.00	0.10	0.08	pCi/g	
SLD03871	SLD03875					Thorium-228	1.00	0.10	0.08	pCi/g	

Table 3-1
Plants 6EH and 6E
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Sample Location	Sample Number	Collection Date	Start Depth (feet) bgs	End Depth (feet) bgs	Thickness of Cover Material (ft)	Parameter	Result	Error	Detection Limit	Units	Sum of Ratios Value
SLD03871	SLD03875					Thorium-230	-2.77	5.02	8.62	pCi/g	
SLD03871	SLD03875					Thorium-232	1.00	0.10	0.08	pCi/g	
SLD03871	SLD03875					Uranium-235	0.05	0.14	0.18	pCi/g	
SLD03871	SLD03875					Uranium-238	0.92	0.78	4.59	pCi/g	
SLD03876	SLD03876	10/7/99	1.5	2.0	0.5	Actinium-227	0.54	0.00	0.54	pCi/g	0.03
SLD03876	SLD03876					Americium-241	0.13	0.00	0.13	pCi/g	
SLD03876	SLD03876					Cesium-137	0.06	0.00	0.06	pCi/g	
SLD03876	SLD03876					Pa-231	1.70	0.00	1.70	pCi/g	
SLD03876	SLD03876					Potassium-40	14.89	0.60	0.72	pCi/g	
SLD03876	SLD03876					Radium-226	0.79	0.02	0.10	pCi/g	
SLD03876	SLD03876					Radium-228	0.78	0.04	0.13	pCi/g	
SLD03876	SLD03876					Thorium-228	0.78	0.04	0.13	pCi/g	
SLD03876	SLD03876					Thorium-230	12.00	0.00	12.00	pCi/g	
SLD03876	SLD03876					Thorium-232	0.78	0.04	0.13	pCi/g	
SLD03876	SLD03876					Uranium-235	0.36	0.00	0.36	pCi/g	
SLD03876	SLD03876					Uranium-238	2.94	0.31	1.19	pCi/g	
SLD03876	SLD03877	10/7/99	3.0	3.5		Actinium-227	0.54	0.00	0.54	pCi/g	0.00
SLD03876	SLD03877					Americium-241	0.12	0.00	0.12	pCi/g	
SLD03876	SLD03877					Cesium-137	0.06	0.00	0.06	pCi/g	
SLD03876	SLD03877					Pa-231	1.63	0.00	1.63	pCi/g	
SLD03876	SLD03877					Potassium-40	15.20	0.60	0.60	pCi/g	
SLD03876	SLD03877					Radium-226	0.73	0.02	0.09	pCi/g	
SLD03876	SLD03877					Radium-228	0.82	0.04	0.13	pCi/g	
SLD03876	SLD03877					Thorium-228	0.82	0.04	0.13	pCi/g	
SLD03876	SLD03877					Thorium-230	11.10	0.00	11.10	pCi/g	
SLD03876	SLD03877					Thorium-232	0.82	0.04	0.13	pCi/g	
SLD03876	SLD03877					Uranium-235	0.34	0.00	0.34	pCi/g	
SLD03876	SLD03877					Uranium-238	1.21	0.24	1.05	pCi/g	
SLD03876	SLD03878	10/7/99	5.0	5.5		Actinium-227	0.51	0.00	0.51	pCi/g	0.00
SLD03876	SLD03878					Americium-241	0.11	0.00	0.11	pCi/g	
SLD03876	SLD03878					Cesium-137	0.05	0.00	0.05	pCi/g	
SLD03876	SLD03878					Pa-231	1.61	0.00	1.61	pCi/g	
SLD03876	SLD03878					Potassium-40	13.03	0.53	0.63	pCi/g	
SLD03876	SLD03878					Radium-226	0.71	0.02	0.09	pCi/g	
SLD03876	SLD03878					Radium-228	0.71	0.03	0.14	pCi/g	
SLD03876	SLD03878					Thorium-228	0.71	0.03	0.14	pCi/g	
SLD03876	SLD03878					Thorium-230	10.60	0.00	10.60	pCi/g	
SLD03876	SLD03878					Thorium-232	0.71	0.03	0.14	pCi/g	

Table 3-1
Plants 6EH and 6E
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Sample Location	Sample Number	Collection Date	Start Depth (feet) bgs	End Depth (feet) bgs	Thickness of Cover Material (ft)	Parameter	Result	Error	Detection Limit	Units	Sum of Ratios Value
SLD03876	SLD03878					Uranium-235	0.32	0.00	0.32	pCi/g	
SLD03876	SLD03878					Uranium-238	1.34	0.24	1.03	pCi/g	
SLD03876	SLD03879	10/7/99	6.6	7.0		Actinium-227	0.51	0.00	0.51	pCi/g	0.00
SLD03876	SLD03879					Americium-241	0.11	0.00	0.11	pCi/g	
SLD03876	SLD03879					Cesium-137	0.05	0.00	0.05	pCi/g	
SLD03876	SLD03879					Pa-231	1.73	0.00	1.73	pCi/g	
SLD03876	SLD03879					Potassium-40	14.32	0.58	0.64	pCi/g	
SLD03876	SLD03879					Radium-226	0.68	0.02	0.10	pCi/g	
SLD03876	SLD03879					Radium-228	0.72	0.04	0.15	pCi/g	
SLD03876	SLD03879					Thorium-228	0.72	0.04	0.15	pCi/g	
SLD03876	SLD03879					Thorium-230	11.20	0.00	11.20	pCi/g	
SLD03876	SLD03879					Thorium-232	0.72	0.04	0.15	pCi/g	
SLD03876	SLD03879					Uranium-235	0.32	0.00	0.32	pCi/g	
SLD03876	SLD03879					Uranium-238	0.56	0.24	1.08	pCi/g	
SLD03876	SLD03880	10/7/99	9.0	9.5		Actinium-227	0.62	0.00	0.62	pCi/g	0.00
SLD03876	SLD03880					Americium-241	0.15	0.00	0.15	pCi/g	
SLD03876	SLD03880					Cesium-137	0.07	0.00	0.07	pCi/g	
SLD03876	SLD03880					Pa-231	2.14	0.00	2.14	pCi/g	
SLD03876	SLD03880					Potassium-40	13.49	0.65	0.90	pCi/g	
SLD03876	SLD03880					Radium-226	0.71	0.03	0.12	pCi/g	
SLD03876	SLD03880					Radium-228	0.68	0.04	0.18	pCi/g	
SLD03876	SLD03880					Thorium-228	0.68	0.04	0.18	pCi/g	
SLD03876	SLD03880					Thorium-230	14.10	0.00	14.10	pCi/g	
SLD03876	SLD03880					Thorium-232	0.68	0.04	0.18	pCi/g	
SLD03876	SLD03880					Uranium-235	0.43	0.00	0.43	pCi/g	
SLD03876	SLD03880					Uranium-238	1.10	0.30	1.34	pCi/g	
SLD03895	SLD03895	10/6/99	2.5	3.0	2	Actinium-227	0.19	0.13	0.23	pCi/g	0.37
SLD03895	SLD03895					Americium-241	0.01	0.08	0.12	pCi/g	
SLD03895	SLD03895					Cesium-137	0.01	0.02	0.03	pCi/g	
SLD03895	SLD03895					Pa-231	12.51	1.40	0.32	pCi/g	
SLD03895	SLD03895					Potassium-40	0.37	0.53	0.93	pCi/g	
SLD03895	SLD03895					Radium-226	1.62	0.10	0.06	pCi/g	
SLD03895	SLD03895					Radium-228	0.87	0.10	0.09	pCi/g	
SLD03895	SLD03895					Thorium-228	0.87	0.10	0.09	pCi/g	
SLD03895	SLD03895					Thorium-230	6.92	7.27	10.18	pCi/g	
SLD03895	SLD03895					Thorium-232	0.87	0.10	0.09	pCi/g	
SLD03895	SLD03895					Uranium-235	0.39	0.22	0.23	pCi/g	

Table 3-1
Plants 6EH and 6E
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Sample Location	Sample Number	Collection Date	Start Depth (feet) bgs	End Depth (feet) bgs	Thickness of Cover Material (ft)	Parameter	Result	Error	Detection Limit	Units	Sum of Ratios Value
SLD03895	SLD03895					Uranium-238	3.20	0.99	4.45	pCi/g	
SLD03895	SLD03896	10/6/99	4.5	5.0		Actinium-227	0.14	0.13	0.21	pCi/g	0.24
SLD03895	SLD03896					Americium-241	0.03	0.07	0.12	pCi/g	
SLD03895	SLD03896					Cesium-137	-0.01	0.02	0.03	pCi/g	
SLD03895	SLD03896					Pa-231	11.48	1.31	0.24	pCi/g	
SLD03895	SLD03896					Potassium-40	-0.25	0.55	0.84	pCi/g	
SLD03895	SLD03896					Radium-226	1.51	0.10	0.06	pCi/g	
SLD03895	SLD03896					Radium-228	0.82	0.10	0.08	pCi/g	
SLD03895	SLD03896					Thorium-228	0.82	0.10	0.08	pCi/g	
SLD03895	SLD03896					Thorium-230	5.28	5.60	10.01	pCi/g	
SLD03895	SLD03896					Thorium-232	0.82	0.10	0.08	pCi/g	
SLD03895	SLD03896					Uranium-235	0.23	0.17	0.20	pCi/g	
SLD03895	SLD03896					Uranium-238	1.94	0.96	4.35	pCi/g	
SLD03895	SLD03897	10/6/99	6.5	7.0		Actinium-227	0.07	0.07	0.16	pCi/g	0.00
SLD03895	SLD03897					Americium-241	-0.02	0.05	0.08	pCi/g	
SLD03895	SLD03897					Cesium-137	0.00	0.02	0.03	pCi/g	
SLD03895	SLD03897					Pa-231	13.78	1.45	0.21	pCi/g	
SLD03895	SLD03897					Potassium-40	0.13	0.39	0.63	pCi/g	
SLD03895	SLD03897					Radium-226	0.73	0.05	0.04	pCi/g	
SLD03895	SLD03897					Radium-228	0.56	0.07	0.06	pCi/g	
SLD03895	SLD03897					Thorium-228	0.56	0.07	0.06	pCi/g	
SLD03895	SLD03897					Thorium-230	0.34	4.37	7.34	pCi/g	
SLD03895	SLD03897					Thorium-232	0.56	0.07	0.06	pCi/g	
SLD03895	SLD03897					Uranium-235	0.12	0.08	0.15	pCi/g	
SLD03895	SLD03897					Uranium-238	0.17	0.73	3.46	pCi/g	
SLD03895	SLD03898	10/6/99	9.0	9.5		Actinium-227	0.17	0.16	0.25	pCi/g	0.02
SLD03895	SLD03898					Americium-241	0.01	0.09	0.14	pCi/g	
SLD03895	SLD03898					Cesium-137	-0.01	0.03	0.04	pCi/g	
SLD03895	SLD03898					Pa-231	10.77	1.27	0.31	pCi/g	
SLD03895	SLD03898					Potassium-40	-0.32	0.64	0.97	pCi/g	
SLD03895	SLD03898					Radium-226	2.31	0.14	0.07	pCi/g	
SLD03895	SLD03898					Radium-228	0.82	0.10	0.11	pCi/g	
SLD03895	SLD03898					Thorium-228	0.82	0.10	0.11	pCi/g	
SLD03895	SLD03898					Thorium-230	3.37	6.54	11.56	pCi/g	
SLD03895	SLD03898					Thorium-232	0.82	0.10	0.11	pCi/g	
SLD03895	SLD03898					Uranium-235	0.41	0.17	0.22	pCi/g	
SLD03895	SLD03898					Uranium-238	1.94	1.12	4.74	pCi/g	

Table 3-1
Plants 6EH and 6E
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Sample Location	Sample Number	Collection Date	Start Depth (feet) bgs	End Depth (feet) bgs	Thickness of Cover Material (ft)	Parameter	Result	Error	Detection Limit	Units	Sum of Ratios Value
SLD03895	SLD03899	10/6/99	10.0	10.5		Actinium-227	0.15	0.17	0.26	pCi/g	0.16
SLD03895	SLD03899					Americium-241	0.05	0.09	0.15	pCi/g	
SLD03895	SLD03899					Cesium-137	0.02	0.03	0.04	pCi/g	
SLD03895	SLD03899					Pa-231	10.37	1.24	0.36	pCi/g	
SLD03895	SLD03899					Potassium-40	0.06	0.75	1.17	pCi/g	
SLD03895	SLD03899					Radium-226	2.52	0.15	0.07	pCi/g	
SLD03895	SLD03899					Radium-228	1.11	0.12	0.11	pCi/g	
SLD03895	SLD03899					Thorium-228	1.11	0.12	0.11	pCi/g	
SLD03895	SLD03899					Thorium-230	16.94	13.37	11.19	pCi/g	
SLD03895	SLD03899					Thorium-232	1.11	0.12	0.11	pCi/g	
SLD03895	SLD03899					Uranium-235	0.16	0.15	0.26	pCi/g	
SLD03895	SLD03899					Uranium-238	2.99	1.19	5.64	pCi/g	
SLD03895	SLD03900	10/6/99	17.0	17.5		Actinium-227	9.14	0.66	0.78	pCi/g	3.07
SLD03895	SLD03900					Americium-241	0.58	0.33	0.50	pCi/g	
SLD03895	SLD03900					Cesium-137	0.01	0.08	0.12	pCi/g	
SLD03895	SLD03900					Pa-231	10.03	1.85	1.38	pCi/g	
SLD03895	SLD03900					Potassium-40	7.05	2.46	4.00	pCi/g	
SLD03895	SLD03900					Radium-226	76.11	3.19	0.25	pCi/g	
SLD03895	SLD03900					Radium-228	0.97	0.24	0.33	pCi/g	
SLD03895	SLD03900					Thorium-228	0.97	0.24	0.33	pCi/g	
SLD03895	SLD03900					Thorium-230	308.20	54.37	42.34	pCi/g	
SLD03895	SLD03900					Thorium-232	0.97	0.24	0.33	pCi/g	
SLD03895	SLD03900					Uranium-235	4.89	0.88	0.97	pCi/g	
SLD03895	SLD03900					Uranium-238	2.39	3.36	15.95	pCi/g	
SLD03895	SLD03901	10/6/99	19.0	19.5		Actinium-227	0.75	0.21	0.34	pCi/g	0.33
SLD03895	SLD03901					Americium-241	0.20	0.16	0.26	pCi/g	
SLD03895	SLD03901					Cesium-137	0.06	0.06	0.06	pCi/g	
SLD03895	SLD03901					Pa-231	11.95	1.47	0.62	pCi/g	
SLD03895	SLD03901					Potassium-40	0.59	1.16	1.80	pCi/g	
SLD03895	SLD03901					Radium-226	11.63	0.53	0.12	pCi/g	
SLD03895	SLD03901					Radium-228	0.76	0.13	0.16	pCi/g	
SLD03895	SLD03901					Thorium-228	0.76	0.13	0.16	pCi/g	
SLD03895	SLD03901					Thorium-230	0.13	12.18	20.99	pCi/g	
SLD03895	SLD03901					Thorium-232	0.76	0.13	0.16	pCi/g	
SLD03895	SLD03901					Uranium-235	1.39	0.31	0.40	pCi/g	
SLD03895	SLD03901					Uranium-238	24.67	3.13	7.56	pCi/g	
SLD03895	SLD03902	10/6/99	22.5	23.0		Actinium-227	0.58	0.14	0.22	pCi/g	0.30
SLD03895	SLD03902					Americium-241	-0.02	0.20	0.32	pCi/g	

Table 3-1
Plants 6EH and 6E
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Sample Location	Sample Number	Collection Date	Start Depth (feet) bgs	End Depth (feet) bgs	Thickness of Cover Material (ft)	Parameter	Result	Error	Detection Limit	Units	Sum of Ratios Value
SLD03895	SLD03902					Cesium-137	-0.03	0.02	0.03	pCi/g	
SLD03895	SLD03902					Pa-231	0.75	0.75	1.17	pCi/g	
SLD03895	SLD03902					Potassium-40	15.92	1.92	0.31	pCi/g	
SLD03895	SLD03902					Radium-226	5.18	0.28	0.07	pCi/g	
SLD03895	SLD03902					Radium-228	0.87	0.11	0.10	pCi/g	
SLD03895	SLD03902					Thorium-228	0.87	0.11	0.10	pCi/g	
SLD03895	SLD03902					Thorium-230	31.61	21.00	21.50	pCi/g	
SLD03895	SLD03902					Thorium-232	0.87	0.11	0.10	pCi/g	
SLD03895	SLD03902					Uranium-235	0.35	0.23	0.28	pCi/g	
SLD03895	SLD03902					Uranium-238	1.46	1.91	4.67	pCi/g	
SLD03903	SLD03903	10/14/99	0.5	1.0	0.5	Actinium-227	0.07	0.12	0.19	pCi/g	0.15
SLD03903	SLD03903					Americium-241	0.04	0.18	0.26	pCi/g	
SLD03903	SLD03903					Cesium-137	0.09	0.03	0.03	pCi/g	
SLD03903	SLD03903					Pa-231	0.21	0.54	0.85	pCi/g	
SLD03903	SLD03903					Potassium-40	6.75	0.90	0.27	pCi/g	
SLD03903	SLD03903					Radium-226	2.1	0.13	0.06	pCi/g	
SLD03903	SLD03903					Radium-228	0.52	0.08	0.08	pCi/g	
SLD03903	SLD03903					Thorium-228	0.52	0.08	0.08	pCi/g	
SLD03903	SLD03903					Thorium-230	-7.52	10.63	16.47	pCi/g	
SLD03903	SLD03903					Thorium-232	0.52	0.08	0.08	pCi/g	
SLD03903	SLD03903					Uranium-235	0.53	0.14	0.19	pCi/g	
SLD03903	SLD03903					Uranium-238	9.05	2.05	3.50	pCi/g	
SLD03903	SLD03904	10/14/99	1.5	2.0		Actinium-227	0.35	0.17	0.26	pCi/g	0.12
SLD03903	SLD03904					Americium-241	-0.10	0.23	0.33	pCi/g	
SLD03903	SLD03904					Cesium-137	0.00	0.03	0.04	pCi/g	
SLD03903	SLD03904					Pa-231	0.23	0.74	1.15	pCi/g	
SLD03903	SLD03904					Potassium-40	11.91	1.53	0.32	pCi/g	
SLD03903	SLD03904					Radium-226	3.45	0.20	0.07	pCi/g	
SLD03903	SLD03904					Radium-228	1.22	0.13	0.10	pCi/g	
SLD03903	SLD03904					Thorium-228	1.22	0.13	0.10	pCi/g	
SLD03903	SLD03904					Thorium-230	-2.08	13.83	21.96	pCi/g	
SLD03903	SLD03904					Thorium-232	1.22	0.13	0.10	pCi/g	
SLD03903	SLD03904					Uranium-235	0.26	0.17	0.27	pCi/g	
SLD03903	SLD03904					Uranium-238	4.50	2.43	5.86	pCi/g	
SLD03905	SLD03905	10/14/99	0.5	1.0	0.5	Actinium-227	0.10	0.09	0.16	pCi/g	0.13
SLD03905	SLD03905					Americium-241	-0.01	0.14	0.20	pCi/g	
SLD03905	SLD03905					Cesium-137	0.24	0.05	0.02	pCi/g	
SLD03905	SLD03905					Pa-231	0.65	0.45	0.75	pCi/g	

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Sample Location	Sample Number	Collection Date	Start Depth (feet) bgs	End Depth (feet) bgs	Thickness of Cover Material (ft)	Parameter	Result	Error	Detection Limit	Units	Sum of Ratios Value
SLD03905	SLD03905					Potassium-40	5.31	0.77	0.25	pCi/g	
SLD03905	SLD03905					Radium-226	1.21	0.08	0.05	pCi/g	
SLD03905	SLD03905					Radium-228	0.48	0.07	0.07	pCi/g	
SLD03905	SLD03905					Thorium-228	0.48	0.07	0.07	pCi/g	
SLD03905	SLD03905					Thorium-230	3.16	9.21	13.93	pCi/g	
SLD03905	SLD03905					Thorium-232	0.48	0.07	0.07	pCi/g	
SLD03905	SLD03905					Uranium-235	0.18	0.12	0.18	pCi/g	
SLD03905	SLD03905					Uranium-238	3.60	1.46	3.19	pCi/g	
SLD03905	SLD03906	10/14/99	1.5	2.0		Actinium-227	0.10	0.09	0.16	pCi/g	0.02
SLD03905	SLD03906					Americium-241	0.03	0.13	0.22	pCi/g	
SLD03905	SLD03906					Cesium-137	0.06	0.02	0.03	pCi/g	
SLD03905	SLD03906					Pa-231	0.19	0.50	0.79	pCi/g	
SLD03905	SLD03906					Potassium-40	8.26	1.07	0.22	pCi/g	
SLD03905	SLD03906					Radium-226	1.40	0.09	0.05	pCi/g	
SLD03905	SLD03906					Radium-228	0.67	0.08	0.06	pCi/g	
SLD03905	SLD03906					Thorium-228	0.67	0.08	0.06	pCi/g	
SLD03905	SLD03906					Thorium-230	-0.04	9.64	14.26	pCi/g	
SLD03905	SLD03906					Thorium-232	0.67	0.08	0.06	pCi/g	
SLD03905	SLD03906					Uranium-235	0.13	0.14	0.18	pCi/g	
SLD03905	SLD03906					Uranium-238	2.61	1.19	2.60	pCi/g	
SLD03907	SLD03907	10/14/99	0.5	1.0		Actinium-227	0.29	0.10	0.14	pCi/g	0.14
SLD03907	SLD03907					Americium-241	0.16	0.13	0.20	pCi/g	
SLD03907	SLD03907					Cesium-137	0.22	0.05	0.02	pCi/g	
SLD03907	SLD03907					Pa-231	0.09	0.50	0.77	pCi/g	
SLD03907	SLD03907					Potassium-40	6.74	0.88	0.20	pCi/g	
SLD03907	SLD03907					Radium-226	1.31	0.09	0.05	pCi/g	
SLD03907	SLD03907					Radium-228	0.43	0.07	0.06	pCi/g	
SLD03907	SLD03907					Thorium-228	0.43	0.07	0.06	pCi/g	
SLD03907	SLD03907					Thorium-230	2.51	8.45	13.74	pCi/g	
SLD03907	SLD03907					Thorium-232	0.43	0.07	0.06	pCi/g	
SLD03907	SLD03907					Uranium-235	0.28	0.12	0.16	pCi/g	
SLD03907	SLD03907					Uranium-238	6.21	1.58	2.63	pCi/g	
SLD03907	SLD03908	10/14/99	1.5	2.0		Actinium-227	0.78	0.11	0.14	pCi/g	0.07
SLD03907	SLD03908					Americium-241	-0.07	0.14	0.22	pCi/g	
SLD03907	SLD03908					Cesium-137	0.10	0.03	0.02	pCi/g	
SLD03907	SLD03908					Pa-231	1.19	0.61	0.90	pCi/g	
SLD03907	SLD03908					Potassium-40	5.89	0.79	0.22	pCi/g	
SLD03907	SLD03908					Radium-226	1.32	0.09	0.04	pCi/g	

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Plants 6EH and 6E
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Sample Location	Sample Number	Collection Date	Start Depth (feet) bgs	End Depth (feet) bgs	Thickness of Cover Material (ft)	Parameter	Result	Error	Detection Limit	Units	Sum of Ratios Value
SLD03907	SLD03908					Radium-228	0.46	0.07	0.06	pCi/g	
SLD03907	SLD03908					Thorium-228	0.46	0.07	0.06	pCi/g	
SLD03907	SLD03908					Thorium-230	1.21	10.62	15.73	pCi/g	
SLD03907	SLD03908					Thorium-232	0.46	0.07	0.06	pCi/g	
SLD03907	SLD03908					Uranium-235	0.49	0.14	0.18	pCi/g	
SLD03907	SLD03908					Uranium-238	4.96	1.65	2.70	pCi/g	
SLD03909	SLD03909	10/25/99	0.0	0.5	1.5	Actinium-227	4.13	0.07	22.00	pCi/g	0.54
SLD03909	SLD03909					Americium-241	0.16	0.00	0.16	pCi/g	
SLD03909	SLD03909					Cesium-137	0.04	0.00	0.04	pCi/g	
SLD03909	SLD03909					Pa-231	5.06	0.17	0.93	pCi/g	
SLD03909	SLD03909					Potassium-40	10.53	0.37	0.40	pCi/g	
SLD03909	SLD03909					Radium-226	2.41	0.04	0.07	pCi/g	
SLD03909	SLD03909					Radium-228	0.78	0.02	0.10	pCi/g	
SLD03909	SLD03909					Thorium-228	0.78	0.02	0.10	pCi/g	
SLD03909	SLD03909					Thorium-230	8.26	2.89	13.30	pCi/g	
SLD03909	SLD03909					Thorium-232	0.78	0.02	0.10	pCi/g	
SLD03909	SLD03909					Uranium-235	0.84	0.05	0.32	pCi/g	
SLD03909	SLD03909					Uranium-238	7.42	0.40	1.12	pCi/g	
SLD03909	SLD03910	10/25/99	2.0	2.5		Actinium-227	0.41	0.00	0.41	pCi/g	0.04
SLD03909	SLD03910					Americium-241	0.09	0.00	0.09	pCi/g	
SLD03909	SLD03910					Cesium-137	0.04	0.00	0.04	pCi/g	
SLD03909	SLD03910					Pa-231	1.36	0.00	1.36	pCi/g	
SLD03909	SLD03910					Potassium-40	12.10	0.44	0.39	pCi/g	
SLD03909	SLD03910					Radium-226	1.16	0.02	0.08	pCi/g	
SLD03909	SLD03910					Radium-228	0.69	0.03	0.09	pCi/g	
SLD03909	SLD03910					Thorium-228	0.69	0.03	0.09	pCi/g	
SLD03909	SLD03910					Thorium-230	8.90	0.00	8.90	pCi/g	
SLD03909	SLD03910					Thorium-232	0.69	0.03	0.09	pCi/g	
SLD03909	SLD03910					Uranium-235	0.21	0.04	0.25	pCi/g	
SLD03909	SLD03910					Uranium-238	3.37	0.25	0.84	pCi/g	
SLD03911	SLD03911	10/25/99	0.0	0.5	1.5	Actinium-227	0.26	0.03	0.29	pCi/g	0.01
SLD03911	SLD03911					Americium-241	0.13	0.00	0.13	pCi/g	
SLD03911	SLD03911					Cesium-137	0.07	0.00	0.07	pCi/g	
SLD03911	SLD03911					Pa-231	1.99	0.00	1.99	pCi/g	
SLD03911	SLD03911					Potassium-40	10.76	0.48	0.63	pCi/g	
SLD03911	SLD03911					Radium-226	1.60	0.04	0.11	pCi/g	
SLD03911	SLD03911					Radium-228	0.73	0.04	0.15	pCi/g	
SLD03911	SLD03911					Thorium-228	0.73	0.04	0.15	pCi/g	

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Sample Location	Sample Number	Collection Date	Start Depth (feet) bgs	End Depth (feet) bgs	Thickness of Cover Material (ft)	Parameter	Result	Error	Detection Limit	Units	Sum of Ratios Value
SLD03911	SLD03911					Thorium-230	13.50	0.00	13.50	pCi/g	
SLD03911	SLD03911					Thorium-232	0.73	0.04	0.15	pCi/g	
SLD03911	SLD03911					Uranium-235	0.41	0.00	0.41	pCi/g	
SLD03911	SLD03911					Uranium-238	1.87	0.30	1.28	pCi/g	
SLD03911	SLD03912	10/25/99	2.0	2.5		Actinium-227	0.53	0.00	0.53	pCi/g	0.01
SLD03911	SLD03912					Americium-241	0.12	0.00	0.12	pCi/g	
SLD03911	SLD03912					Cesium-137	0.06	0.00	0.06	pCi/g	
SLD03911	SLD03912					Pa-231	1.67	0.00	1.67	pCi/g	
SLD03911	SLD03912					Potassium-40	10.72	0.48	0.62	pCi/g	
SLD03911	SLD03912					Radium-226	1.07	0.03	0.10	pCi/g	
SLD03911	SLD03912					Radium-228	0.62	0.04	0.15	pCi/g	
SLD03911	SLD03912					Thorium-228	0.62	0.04	0.15	pCi/g	
SLD03911	SLD03912					Thorium-230	12.00	0.00	12.00	pCi/g	
SLD03911	SLD03912					Thorium-232	0.62	0.04	0.15	pCi/g	
SLD03911	SLD03912					Uranium-235	0.35	0.00	0.35	pCi/g	
SLD03911	SLD03912					Uranium-238	1.70	0.27	1.13	pCi/g	
SLD03913	SLD03913	10/25/99	0.0	0.5	1.5	Actinium-227	0.51	0.00	0.51	pCi/g	0.00
SLD03913	SLD03913					Americium-241	0.11	0.00	0.11	pCi/g	
SLD03913	SLD03913					Cesium-137	0.05	0.00	0.05	pCi/g	
SLD03913	SLD03913					Pa-231	1.59	0.00	1.59	pCi/g	
SLD03913	SLD03913					Potassium-40	12.61	0.51	0.56	pCi/g	
SLD03913	SLD03913					Radium-226	1.02	0.03	0.09	pCi/g	
SLD03913	SLD03913					Radium-228	0.66	0.03	0.14	pCi/g	
SLD03913	SLD03913					Thorium-228	0.66	0.03	0.14	pCi/g	
SLD03913	SLD03913					Thorium-230	11.20	0.00	11.20	pCi/g	
SLD03913	SLD03913					Thorium-232	0.66	0.03	0.14	pCi/g	
SLD03913	SLD03913					Uranium-235	0.34	0.00	0.03	pCi/g	
SLD03913	SLD03913					Uranium-238	1.09	0.24	1.03	pCi/g	
SLD03913	SLD03914	10/25/99	2.0	2.5		Actinium-227	0.05	0.00	0.05	pCi/g	0.00
SLD03913	SLD03914					Americium-241	0.11	0.00	0.11	pCi/g	
SLD03913	SLD03914					Cesium-137	0.05	0.00	0.05	pCi/g	
SLD03913	SLD03914					Pa-231	1.65	0.00	1.65	pCi/g	
SLD03913	SLD03914					Potassium-40	12.46	0.51	0.54	pCi/g	
SLD03913	SLD03914					Radium-226	0.82	0.02	0.09	pCi/g	
SLD03913	SLD03914					Radium-228	0.77	0.03	0.13	pCi/g	
SLD03913	SLD03914					Thorium-228	0.77	0.03	0.13	pCi/g	
SLD03913	SLD03914					Thorium-230	10.70	0.00	10.70	pCi/g	
SLD03913	SLD03914					Thorium-232	0.77	0.03	0.13	pCi/g	

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Sample Location	Sample Number	Collection Date	Start Depth (feet) bgs	End Depth (feet) bgs	Thickness of Cover Material (ft)	Parameter	Result	Error	Detection Limit	Units	Sum of Ratios Value
SLD03913	SLD03914					Uranium-235	0.32	0.00	0.32	pCi/g	
SLD03913	SLD03914					Uranium-238	0.79	0.23	1.01	pCi/g	
SLD03915	SLD03915	10/7/99	0.5	1.0	0.5	Actinium-227	0.65	0.03	0.29	pCi/g	0.16
SLD03915	SLD03915					Americium-241	0.15	0.00	0.15	pCi/g	
SLD03915	SLD03915					Cesium-137	0.14	0.01	0.04	pCi/g	
SLD03915	SLD03915					Pa-231	2.08	0.00	2.08	pCi/g	
SLD03915	SLD03915					Potassium-40	3.68	0.24	0.62	pCi/g	
SLD03915	SLD03915					Radium-226	3.80	0.06	0.10	pCi/g	
SLD03915	SLD03915					Radium-228	0.38	0.03	0.15	pCi/g	
SLD03915	SLD03915					Thorium-228	0.38	0.03	0.15	pCi/g	
SLD03915	SLD03915					Thorium-230	15.10	0.00	15.10	pCi/g	
SLD03915	SLD03915					Thorium-232	0.38	0.03	0.15	pCi/g	
SLD03915	SLD03915					Uranium-235	0.58	0.09	0.43	pCi/g	
SLD03915	SLD03915					Uranium-238	6.00	0.42	1.40	pCi/g	
SLD03915	SLD03916	10/7/99	1.5	2.0		Actinium-227	3.31	0.06	0.22	pCi/g	0.68
SLD03915	SLD03916					Americium-241	0.12	0.00	0.12	pCi/g	
SLD03915	SLD03916					Cesium-137	0.05	0.00	0.05	pCi/g	
SLD03915	SLD03916					Pa-231	3.28	0.13	0.96	pCi/g	
SLD03915	SLD03916					Potassium-40	11.23	0.37	0.54	pCi/g	
SLD03915	SLD03916					Radium-226	9.27	0.12	0.09	pCi/g	
SLD03915	SLD03916					Radium-228	0.85	0.02	0.08	pCi/g	
SLD03915	SLD03916					Thorium-228	0.85	0.02	0.08	pCi/g	
SLD03915	SLD03916					Thorium-230	11.90	0.00	11.90	pCi/g	
SLD03915	SLD03916					Thorium-232	0.85	0.02	0.08	pCi/g	
SLD03915	SLD03916					Uranium-235	1.12	0.05	0.38	pCi/g	
SLD03915	SLD03916					Uranium-238	13.89	0.65	1.28	pCi/g	
SLD03917	SLD03917	10/7/99	0.5	1.0	0.5	Actinium-227	0.31	0.03	0.23	pCi/g	0.04
SLD03917	SLD03917					Americium-241	0.12	0.00	0.12	pCi/g	
SLD03917	SLD03917					Cesium-137	0.02	0.01	0.06	pCi/g	
SLD03917	SLD03917					Pa-231	1.73	0.00	1.73	pCi/g	
SLD03917	SLD03917					Potassium-40	4.14	0.26	0.58	pCi/g	
SLD03917	SLD03917					Radium-226	1.64	0.03	0.09	pCi/g	
SLD03917	SLD03917					Radium-228	0.42	0.03	0.13	pCi/g	
SLD03917	SLD03917					Thorium-228	0.42	0.03	0.13	pCi/g	
SLD03917	SLD03917					Thorium-230	12.20	0.00	12.20	pCi/g	
SLD03917	SLD03917					Thorium-232	0.42	0.03	0.13	pCi/g	
SLD03917	SLD03917					Uranium-235	0.28	0.06	0.34	pCi/g	

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Sample Location	Sample Number	Collection Date	Start Depth (feet) bgs	End Depth (feet) bgs	Thickness of Cover Material (ft)	Parameter	Result	Error	Detection Limit	Units	Sum of Ratios Value
SLD03917	SLD03917					Uranium-238	3.52	0.31	1.14	pCi/g	
SLD03917	SLD03918	10/7/99	2.0	2.5		Actinium-227	0.58	0.03	0.29	pCi/g	0.16
SLD03917	SLD03918					Americium-241	0.15	0.00	0.15	pCi/g	
SLD03917	SLD03918					Cesium-137	0.07	0.00	0.07	pCi/g	
SLD03917	SLD03918					Pa-231	2.15	0.00	2.15	pCi/g	
SLD03917	SLD03918					Potassium-40	10.47	0.44	0.72	pCi/g	
SLD03917	SLD03918					Radium-226	4.18	0.07	0.11	pCi/g	
SLD03917	SLD03918					Radium-228	0.63	0.03	0.13	pCi/g	
SLD03917	SLD03918					Thorium-228	0.63	0.03	0.13	pCi/g	
SLD03917	SLD03918					Thorium-230	14.70	0.00	14.70	pCi/g	
SLD03917	SLD03918					Thorium-232	0.63	0.03	0.13	pCi/g	
SLD03917	SLD03918					Uranium-235	0.45	0.00	0.45	pCi/g	
SLD03917	SLD03918					Uranium-238	5.01	0.40	1.36	pCi/g	
SLD03919	SLD03919	10/7/99	0.5	1.0	0.5	Actinium-227	0.34	0.00	0.34	pCi/g	0.00
SLD03919	SLD03919					Americium-241	0.09	0.00	0.09	pCi/g	
SLD03919	SLD03919					Cesium-137	0.04	0.00	0.04	pCi/g	
SLD03919	SLD03919					Pa-231	1.17	0.00	1.17	pCi/g	
SLD03919	SLD03919					Potassium-40	1.85	0.16	0.44	pCi/g	
SLD03919	SLD03919					Radium-226	1.16	0.03	0.07	pCi/g	
SLD03919	SLD03919					Radium-228	0.20	0.02	0.10	pCi/g	
SLD03919	SLD03919					Thorium-228	0.20	0.02	0.10	pCi/g	
SLD03919	SLD03919					Thorium-230	8.34	0.00	8.34	pCi/g	
SLD03919	SLD03919					Thorium-232	0.20	0.02	0.10	pCi/g	
SLD03919	SLD03919					Uranium-235	0.27	0.00	0.27	pCi/g	
SLD03919	SLD03919					Uranium-238	0.92	0.18	0.81	pCi/g	
SLD03919	SLD03920	10/7/99	1.5	2.0		Actinium-227	0.39	0.00	0.39	pCi/g	0.01
SLD03919	SLD03920					Americium-241	0.10	0.00	0.10	pCi/g	
SLD03919	SLD03920					Cesium-137	0.05	0.00	0.05	pCi/g	
SLD03919	SLD03920					Pa-231	1.38	0.00	1.38	pCi/g	
SLD03919	SLD03920					Potassium-40	2.40	0.22	0.58	pCi/g	
SLD03919	SLD03920					Radium-226	0.90	0.03	0.08	pCi/g	
SLD03919	SLD03920					Radium-228	0.17	0.02	0.12	pCi/g	
SLD03919	SLD03920					Thorium-228	0.17	0.02	0.12	pCi/g	
SLD03919	SLD03920					Thorium-230	9.63	0.00	9.63	pCi/g	
SLD03919	SLD03920					Thorium-232	0.17	0.02	0.12	pCi/g	
SLD03919	SLD03920					Uranium-235	0.30	0.00	0.30	pCi/g	
SLD03919	SLD03920					Uranium-238	1.79	0.22	0.81	pCi/g	

Table 3-1
Plants 6EH and 6E
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Sample Location	Sample Number	Collection Date	Start Depth (feet) bgs	End Depth (feet) bgs	Thickness of Cover Material (ft)	Parameter	Result	Error	Detection Limit	Units	Sum of Ratios Value
SLD03921	SLD03921	10/14/99	0.5	1.0	0.5	Actinium-227	0.06	0.05	0.11	pCi/g	0.00
SLD03921	SLD03921					Americium-241	-0.02	0.09	0.14	pCi/g	
SLD03921	SLD03921					Cesium-137	0.01	0.01	0.02	pCi/g	
SLD03921	SLD03921					Pa-231	0.14	0.30	0.47	pCi/g	
SLD03921	SLD03921					Potassium-40	11.36	1.35	0.14	pCi/g	
SLD03921	SLD03921					Radium-226	0.72	0.05	0.03	pCi/g	
SLD03921	SLD03921					Radium-228	0.23	0.04	0.05	pCi/g	
SLD03921	SLD03921					Thorium-228	0.23	0.04	0.05	pCi/g	
SLD03921	SLD03921					Thorium-230	1.70	6.21	9.32	pCi/g	
SLD03921	SLD03921					Thorium-232	0.23	0.04	0.05	pCi/g	
SLD03921	SLD03921					Uranium-235	0.11	0.08	0.11	pCi/g	
SLD03921	SLD03921					Uranium-238	1.01	0.91	2.38	pCi/g	
SLD03921	SLD03922	10/14/99	1.0	2.0		Actinium-227	0.05	0.21	0.24	pCi/g	1.31
SLD03921	SLD03922					Americium-241	0.05	0.31	0.46	pCi/g	
SLD03921	SLD03922					Cesium-137	0.02	0.02	0.04	pCi/g	
SLD03921	SLD03922					Pa-231	0.03	0.71	1.09	pCi/g	
SLD03921	SLD03922					Potassium-40	10.19	1.36	0.33	pCi/g	
SLD03921	SLD03922					Radium-226	2.12	0.14	0.07	pCi/g	
SLD03921	SLD03922					Radium-228	0.83	0.11	0.11	pCi/g	
SLD03921	SLD03922					Thorium-228	0.83	0.11	0.11	pCi/g	
SLD03921	SLD03922					Thorium-230	-14.88	19.79	27.97	pCi/g	
SLD03921	SLD03922					Thorium-232	0.83	0.11	0.11	pCi/g	
SLD03921	SLD03922					Uranium-235	3.15	0.30	0.30	pCi/g	
SLD03921	SLD03922					Uranium-238	66.91	7.19	4.33	pCi/g	
SLD03923	SLD03923	10/11/99	0.5	1.0	0.5	Actinium-227	0.66	0.17	0.28	pCi/g	0.89
SLD03923	SLD03923					Americium-241	-0.10	0.27	0.42	pCi/g	
SLD03923	SLD03923					Cesium-137	0.05	0.04	0.05	pCi/g	
SLD03923	SLD03923					Pa-231	0.88	0.95	1.47	pCi/g	
SLD03923	SLD03923					Potassium-40	4.97	0.89	0.41	pCi/g	
SLD03923	SLD03923					Radium-226	7.43	0.40	0.09	pCi/g	
SLD03923	SLD03923					Radium-228	1.46	0.16	0.13	pCi/g	
SLD03923	SLD03923					Thorium-228	1.46	0.16	0.13	pCi/g	
SLD03923	SLD03923					Thorium-230	12.41	17.65	28.20	pCi/g	
SLD03923	SLD03923					Thorium-232	1.46	0.16	0.13	pCi/g	
SLD03923	SLD03923					Uranium-235	0.63	0.24	0.33	pCi/g	
SLD03923	SLD03923					Uranium-238	9.31	2.67	4.73	pCi/g	
SLD03923	SLD03924	10/11/99	1.5	2.5		Actinium-227	0.45	0.13	0.23	pCi/g	0.26
SLD03923	SLD03924					Americium-241	0.07	0.23	0.34	pCi/g	

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Sample Location	Sample Number	Collection Date	Start Depth (feet) bgs	End Depth (feet) bgs	Thickness of Cover Material (ft)	Parameter	Result	Error	Detection Limit	Units	Sum of Ratios Value
SLD03923	SLD03924					Cesium-137	0.03	0.03	0.04	pCi/g	
SLD03923	SLD03924					Pa-231	0.38	0.77	1.19	pCi/g	
SLD03923	SLD03924					Potassium-40	5.29	0.87	0.40	pCi/g	
SLD03923	SLD03924					Radium-226	5.17	0.29	0.07	pCi/g	
SLD03923	SLD03924					Radium-228	0.89	0.10	0.11	pCi/g	
SLD03923	SLD03924					Thorium-228	0.89	0.10	0.11	pCi/g	
SLD03923	SLD03924					Thorium-230	-6.93	15.62	22.40	pCi/g	
SLD03923	SLD03924					Thorium-232	0.89	0.10	0.11	pCi/g	
SLD03923	SLD03924					Uranium-235	0.42	0.19	0.27	pCi/g	
SLD03923	SLD03924					Uranium-238	6.30	2.81	4.38	pCi/g	
SLD03925	SLD03925	10/7/99	0.5	1.0	0.5	Actinium-227	2.47	0.05	0.22	pCi/g	1.07
SLD03925	SLD03925					Americium-241	0.12	0.00	0.12	pCi/g	
SLD03925	SLD03925					Cesium-137	0.01	0.00	0.03	pCi/g	
SLD03925	SLD03925					Pa-231	2.37	0.12	1.02	pCi/g	
SLD03925	SLD03925					Potassium-40	4.98	0.20	0.47	pCi/g	
SLD03925	SLD03925					Radium-226	9.45	0.13	0.07	pCi/g	
SLD03925	SLD03925					Radium-228	0.40	0.02	0.09	pCi/g	
SLD03925	SLD03925					Thorium-228	0.40	0.02	0.09	pCi/g	
SLD03925	SLD03925					Thorium-230	16.65	2.75	12.30	pCi/g	
SLD03925	SLD03925					Thorium-232	0.40	0.02	0.09	pCi/g	
SLD03925	SLD03925					Uranium-235	0.62	0.05	0.33	pCi/g	
SLD03925	SLD03925					Uranium-238	5.83	0.35	1.10	pCi/g	
SLD03925	SLD03926	10/7/99	1.5	2.0		Actinium-227	0.26	0.03	0.33	pCi/g	0.03
SLD03925	SLD03926					Americium-241	0.15	0.00	0.15	pCi/g	
SLD03925	SLD03926					Cesium-137	0.07	0.00	0.07	pCi/g	
SLD03925	SLD03926					Pa-231	2.20	0.00	2.20	pCi/g	
SLD03925	SLD03926					Potassium-40	7.69	0.40	0.80	pCi/g	
SLD03925	SLD03926					Radium-226	2.65	0.05	0.12	pCi/g	
SLD03925	SLD03926					Radium-228	0.78	0.04	0.16	pCi/g	
SLD03925	SLD03926					Thorium-228	0.78	0.04	0.16	pCi/g	
SLD03925	SLD03926					Thorium-230	14.80	0.00	14.80	pCi/g	
SLD03925	SLD03926					Thorium-232	0.78	0.04	0.16	pCi/g	
SLD03925	SLD03926					Uranium-235	0.46	0.00	0.46	pCi/g	
SLD03925	SLD03926					Uranium-238	2.94	0.35	1.42	pCi/g	
SLD03927	SLD03927	10/11/99	0.5	1.5	0.5	Actinium-227	0.52	0.12	0.19	pCi/g	0.22
SLD03927	SLD03927					Americium-241	-0.15	0.19	0.29	pCi/g	
SLD03927	SLD03927					Cesium-137	0.03	0.03	0.03	pCi/g	
SLD03927	SLD03927					Pa-231	0.99	0.70	1.10	pCi/g	

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Sample Location	Sample Number	Collection Date	Start Depth (feet) bgs	End Depth (feet) bgs	Thickness of Cover Material (ft)	Parameter	Result	Error	Detection Limit	Units	Sum of Ratios Value
SLD03927	SLD03927					Potassium-40	8.30	1.07	0.30	pCi/g	
SLD03927	SLD03927					Radium-226	3.41	0.20	0.06	pCi/g	
SLD03927	SLD03927					Radium-228	1.91	0.16	0.09	pCi/g	
SLD03927	SLD03927					Thorium-228	1.91	0.16	0.09	pCi/g	
SLD03927	SLD03927					Thorium-230	3.33	13.60	19.94	pCi/g	
SLD03927	SLD03927					Thorium-232	1.91	0.16	0.09	pCi/g	
SLD03927	SLD03927					Uranium-235	0.25	0.16	0.24	pCi/g	
SLD03927	SLD03927					Uranium-238	4.48	1.66	3.58	pCi/g	
SLD03927	SLD03928	10/11/99	1.5	2.0		Actinium-227	0.59	0.13	0.21	pCi/g	0.20
SLD03927	SLD03928					Americium-241	-0.18	0.20	0.31	pCi/g	
SLD03927	SLD03928					Cesium-137	0.04	0.03	0.03	pCi/g	
SLD03927	SLD03928					Pa-231	1.03	0.70	1.12	pCi/g	
SLD03927	SLD03928					Potassium-40	7.63	1.05	0.32	pCi/g	
SLD03927	SLD03928					Radium-226	2.98	0.18	0.07	pCi/g	
SLD03927	SLD03928					Radium-228	1.63	0.15	0.09	pCi/g	
SLD03927	SLD03928					Thorium-228	1.63	0.15	0.09	pCi/g	
SLD03927	SLD03928					Thorium-230	3.28	13.15	21.04	pCi/g	
SLD03927	SLD03928					Thorium-232	1.63	0.15	0.09	pCi/g	
SLD03927	SLD03928					Uranium-235	0.30	0.24	0.27	pCi/g	
SLD03927	SLD03928					Uranium-238	4.50	1.72	3.74	pCi/g	
SLD03929	SLD03929	10/11/99	0.5	1.0	0.5	Actinium-227	2.31	0.30	0.45	pCi/g	4.06
SLD03929	SLD03929					Americium-241	0.28	0.47	0.69	pCi/g	
SLD03929	SLD03929					Cesium-137	0.05	0.05	0.07	pCi/g	
SLD03929	SLD03929					Pa-231	1.66	1.56	2.40	pCi/g	
SLD03929	SLD03929					Potassium-40	4.94	1.11	0.73	pCi/g	
SLD03929	SLD03929					Radium-226	19.04	0.98	0.15	pCi/g	
SLD03929	SLD03929					Radium-228	0.60	0.15	0.19	pCi/g	
SLD03929	SLD03929					Thorium-228	0.60	0.15	0.19	pCi/g	
SLD03929	SLD03929					Thorium-230	59.09	36.31	45.87	pCi/g	
SLD03929	SLD03929					Thorium-232	0.60	0.15	0.19	pCi/g	
SLD03929	SLD03929					Uranium-235	1.02	0.34	0.54	pCi/g	
SLD03929	SLD03929					Uranium-238	13.97	4.14	8.34	pCi/g	
SLD03929	SLD03930	10/11/99	1.5	2.0		Actinium-227	2.14	0.30	0.45	pCi/g	4.42
SLD03929	SLD03930					Americium-241	-0.26	0.44	0.68	pCi/g	
SLD03929	SLD03930					Cesium-137	0.03	0.04	0.07	pCi/g	
SLD03929	SLD03930					Pa-231	3.02	2.15	2.47	pCi/g	
SLD03929	SLD03930					Potassium-40	4.47	0.98	0.71	pCi/g	
SLD03929	SLD03930					Radium-226	19.88	1.02	0.15	pCi/g	

Table 3-1
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Sample Location	Sample Number	Collection Date	Start Depth (feet) bgs	End Depth (feet) bgs	Thickness of Cover Material (ft)	Parameter	Result	Error	Detection Limit	Units	Sum of Ratios Value
SLD03929	SLD03930					Radium-228	0.57	0.13	0.19	pCi/g	
SLD03929	SLD03930					Thorium-228	0.57	0.13	0.19	pCi/g	
SLD03929	SLD03930					Thorium-230	66.20	36.38	47.11	pCi/g	
SLD03929	SLD03930					Thorium-232	0.57	0.13	0.19	pCi/g	
SLD03929	SLD03930					Uranium-235	1.42	0.39	0.54	pCi/g	
SLD03929	SLD03930					Uranium-238	8.08	4.01	8.30	pCi/g	
SLD03931	SLD03931	10/11/99	0.5	1.0	0.5	Actinium-227	0.74	0.18	0.32	pCi/g	2.81
SLD03931	SLD03931					Americium-241	0.25	0.34	0.51	pCi/g	
SLD03931	SLD03931					Cesium-137	0.05	0.04	0.05	pCi/g	
SLD03931	SLD03931					Pa-231	0.37	1.05	1.61	pCi/g	
SLD03931	SLD03931					Potassium-40	8.02	1.18	0.52	pCi/g	
SLD03931	SLD03931					Radium-226	9.35	0.50	0.10	pCi/g	
SLD03931	SLD03931					Radium-228	0.75	0.13	0.16	pCi/g	
SLD03931	SLD03931					Thorium-228	0.75	0.13	0.16	pCi/g	
SLD03931	SLD03931					Thorium-230	35.07	31.21	32.53	pCi/g	
SLD03931	SLD03931					Thorium-232	0.75	0.13	0.16	pCi/g	
SLD03931	SLD03931					Uranium-235	1.52	0.32	0.39	pCi/g	
SLD03931	SLD03931					Uranium-238	31.23	5.20	6.36	pCi/g	
SLD03931	SLD03932	10/11/99	1.5	2.0		Actinium-227	0.38	0.14	0.23	pCi/g	0.44
SLD03931	SLD03932					Americium-241	-0.14	0.23	0.37	pCi/g	
SLD03931	SLD03932					Cesium-137	0.04	0.03	0.04	pCi/g	
SLD03931	SLD03932					Pa-231	0.59	0.76	1.18	pCi/g	
SLD03931	SLD03932					Potassium-40	8.67	1.18	0.35	pCi/g	
SLD03931	SLD03932					Radium-226	5.35	0.29	0.08	pCi/g	
SLD03931	SLD03932					Radium-228	0.67	0.11	0.11	pCi/g	
SLD03931	SLD03932					Thorium-228	0.67	0.11	0.11	pCi/g	
SLD03931	SLD03932					Thorium-230	-4.86	16.19	23.37	pCi/g	
SLD03931	SLD03932					Thorium-232	0.67	0.11	0.11	pCi/g	
SLD03931	SLD03932					Uranium-235	0.81	0.20	0.28	pCi/g	
SLD03931	SLD03932					Uranium-238	14.92	2.74	4.69	pCi/g	
SLD03933	SLD03933	10/11/99	0.5	1.0	0.5	Actinium-227	1.34	0.17	0.23	pCi/g	0.55
SLD03933	SLD03933					Americium-241	0.19	0.23	0.38	pCi/g	
SLD03933	SLD03933					Cesium-137	0.00	0.03	0.04	pCi/g	
SLD03933	SLD03933					Pa-231	1.24	0.76	1.18	pCi/g	
SLD03933	SLD03933					Potassium-40	11.10	1.43	0.38	pCi/g	
SLD03933	SLD03933					Radium-226	5.41	0.30	0.08	pCi/g	
SLD03933	SLD03933					Radium-228	0.82	0.11	0.10	pCi/g	
SLD03933	SLD03933					Thorium-228	0.82	0.11	0.10	pCi/g	

Table 3-1
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Sample Location	Sample Number	Collection Date	Start Depth (feet) bgs	End Depth (feet) bgs	Thickness of Cover Material (ft)	Parameter	Result	Error	Detection Limit	Units	Sum of Ratios Value
SLD03933	SLD03933					Thorium-230	7.77	16.92	24.91	pCi/g	
SLD03933	SLD03933					Thorium-232	0.82	0.11	0.10	pCi/g	
SLD03933	SLD03933					Uranium-235	0.96	0.26	0.29	pCi/g	
SLD03933	SLD03933					Uranium-238	9.28	2.47	4.47	pCi/g	
SLD03933	SLD03934	10/11/99	1.5	2.0		Actinium-227	0.15	0.16	0.24	pCi/g	1.65
SLD03933	SLD03934					Americium-241	-0.04	0.22	0.32	pCi/g	
SLD03933	SLD03934					Cesium-137	0.01	0.02	0.04	pCi/g	
SLD03933	SLD03934					Pa-231	0.42	0.65	1.04	pCi/g	
SLD03933	SLD03934					Potassium-40	12.78	1.66	0.31	pCi/g	
SLD03933	SLD03934					Radium-226	2.07	0.14	0.07	pCi/g	
SLD03933	SLD03934					Radium-228	1.11	0.13	0.10	pCi/g	
SLD03933	SLD03934					Thorium-228	1.11	0.13	0.10	pCi/g	
SLD03933	SLD03934					Thorium-230	21.82	18.21	20.89	pCi/g	
SLD03933	SLD03934					Thorium-232	1.11	0.13	0.10	pCi/g	
SLD03933	SLD03934					Uranium-235	0.69	0.19	0.25	pCi/g	
SLD03933	SLD03934					Uranium-238	16.87	3.18	4.22	pCi/g	
SLD03935	SLD03935	10/11/99	0.5	1.0	0.5	Actinium-227	0.58	0.13	0.20	pCi/g	1.00
SLD03935	SLD03935					Americium-241	0.04	0.21	0.31	pCi/g	
SLD03935	SLD03935					Cesium-137	0.00	0.02	0.03	pCi/g	
SLD03935	SLD03935					Pa-231	0.65	0.68	1.09	pCi/g	
SLD03935	SLD03935					Potassium-40	12.47	1.60	0.32	pCi/g	
SLD03935	SLD03935					Radium-226	3.34	0.19	0.07	pCi/g	
SLD03935	SLD03935					Radium-228	0.73	0.10	0.10	pCi/g	
SLD03935	SLD03935					Thorium-228	0.73	0.10	0.10	pCi/g	
SLD03935	SLD03935					Thorium-230	15.62	14.73	20.24	pCi/g	
SLD03935	SLD03935					Thorium-232	0.73	0.10	0.10	pCi/g	
SLD03935	SLD03935					Uranium-235	0.34	0.17	0.24	pCi/g	
SLD03935	SLD03935					Uranium-238	5.44	2.09	4.69	pCi/g	
SLD03935	SLD03936	10/11/99	1.5	2.0		Actinium-227	0.07	0.13	0.19	pCi/g	0.09
SLD03935	SLD03936					Americium-241	-0.06	0.16	0.25	pCi/g	
SLD03935	SLD03936					Cesium-137	-0.01	0.02	0.03	pCi/g	
SLD03935	SLD03936					Pa-231	0.34	0.53	0.85	pCi/g	
SLD03935	SLD03936					Potassium-40	12.67	1.56	0.27	pCi/g	
SLD03935	SLD03936					Radium-226	1.39	0.10	0.05	pCi/g	
SLD03935	SLD03936					Radium-228	1.06	0.11	0.08	pCi/g	
SLD03935	SLD03936					Thorium-228	1.06	0.11	0.08	pCi/g	
SLD03935	SLD03936					Thorium-230	1.90	11.33	16.79	pCi/g	
SLD03935	SLD03936					Thorium-232	1.06	0.11	0.08	pCi/g	

Table 3-1
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Sample Location	Sample Number	Collection Date	Start Depth (feet) bgs	End Depth (feet) bgs	Thickness of Cover Material (ft)	Parameter	Result	Error	Detection Limit	Units	Sum of Ratios Value
SLD03935	SLD03936					Uranium-235	0.32	0.15	0.19	pCi/g	
SLD03935	SLD03936					Uranium-238	5.68	1.86	3.51	pCi/g	
SLD03937	SLD03937	10/11/99	0.5	1.0	0.5	Actinium-227	0.08	0.14	0.20	pCi/g	0.07
SLD03937	SLD03937					Americium-241	0.08	0.17	0.28	pCi/g	
SLD03937	SLD03937					Cesium-137	-0.02	0.02	0.03	pCi/g	
SLD03937	SLD03937					Pa-231	0.25	0.59	0.93	pCi/g	
SLD03937	SLD03937					Potassium-40	15.54	1.90	0.24	pCi/g	
SLD03937	SLD03937					Radium-226	1.38	0.10	0.06	pCi/g	
SLD03937	SLD03937					Radium-228	0.86	0.10	0.09	pCi/g	
SLD03937	SLD03937					Thorium-228	0.86	0.10	0.09	pCi/g	
SLD03937	SLD03937					Thorium-230	1.20	10.70	17.25	pCi/g	
SLD03937	SLD03937					Thorium-232	0.86	0.10	0.09	pCi/g	
SLD03937	SLD03937					Uranium-235	0.31	0.13	0.21	pCi/g	
SLD03937	SLD03937					Uranium-238	5.07	1.81	4.23	pCi/g	
SLD03937	SLD03938	10/11/99	0.5	2.0	2.5	Actinium-227	0.18	0.14	0.22	pCi/g	0.00
SLD03937	SLD03938					Americium-241	-0.22	0.17	0.26	pCi/g	
SLD03937	SLD03938					Cesium-137	-0.01	0.02	0.03	pCi/g	
SLD03937	SLD03938					Pa-231	0.52	0.45	0.93	pCi/g	
SLD03937	SLD03938					Potassium-40	10.25	1.34	0.26	pCi/g	
SLD03937	SLD03938					Radium-226	1.69	0.11	0.06	pCi/g	
SLD03937	SLD03938					Radium-228	1.05	0.11	0.10	pCi/g	
SLD03937	SLD03938					Thorium-228	1.05	0.11	0.10	pCi/g	
SLD03937	SLD03938					Thorium-230	-3.18	11.36	17.99	pCi/g	
SLD03937	SLD03938					Thorium-232	1.05	0.11	0.10	pCi/g	
SLD03937	SLD03938					Uranium-235	0.26	0.21	0.23	pCi/g	
SLD03937	SLD03938					Uranium-238	0.80	1.85	4.12	pCi/g	
SLD03939	SLD03939	10/12/99	1.5	2.0	1.5	Actinium-227	0.34	0.03	0.27	pCi/g	0.04
SLD03939	SLD03939					Americium-241	0.13	0.00	0.13	pCi/g	
SLD03939	SLD03939					Cesium-137	0.06	0.00	0.06	pCi/g	
SLD03939	SLD03939					Pa-231	1.78	0.00	1.78	pCi/g	
SLD03939	SLD03939					Potassium-40	13.61	0.55	0.52	pCi/g	
SLD03939	SLD03939					Radium-226	0.83	0.02	0.10	pCi/g	
SLD03939	SLD03939					Radium-228	0.62	0.03	0.15	pCi/g	
SLD03939	SLD03939					Thorium-228	0.62	0.03	0.15	pCi/g	
SLD03939	SLD03939					Thorium-230	12.10	0.00	12.10	pCi/g	
SLD03939	SLD03939					Thorium-232	0.62	0.03	0.15	pCi/g	
SLD03939	SLD03939					Uranium-235	0.37	0.00	0.37	pCi/g	

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Sample Location	Sample Number	Collection Date	Start Depth (feet) bgs	End Depth (feet) bgs	Thickness of Cover Material (ft)	Parameter	Result	Error	Detection Limit	Units	Sum of Ratios Value
SLD03939	SLD03939					Uranium-238	3.17	0.31	1.16	pCi/g	
SLD03939	SLD03940	10/12/99	2.5	3.0		Actinium-227	0.49	0.00	0.49	pCi/g	0.00
SLD03939	SLD03940					Americium-241	0.11	0.00	0.11	pCi/g	
SLD03939	SLD03940					Cesium-137	0.05	0.00	0.05	pCi/g	
SLD03939	SLD03940					Pa-231	1.62	0.00	1.62	pCi/g	
SLD03939	SLD03940					Potassium-40	13.19	0.52	0.51	pCi/g	
SLD03939	SLD03940					Radium-226	0.70	0.02	0.09	pCi/g	
SLD03939	SLD03940					Radium-228	0.66	0.03	0.12	pCi/g	
SLD03939	SLD03940					Thorium-228	0.66	0.03	0.12	pCi/g	
SLD03939	SLD03940					Thorium-230	10.30	0.00	10.30	pCi/g	
SLD03939	SLD03940					Thorium-232	0.66	0.03	0.12	pCi/g	
SLD03939	SLD03940					Uranium-235	0.31	0.00	0.31	pCi/g	
SLD03939	SLD03940					Uranium-238	0.99	0.22	0.96	pCi/g	
SLD03941	SLD03941	10/13/99	1.5	2.0	1.5	Actinium-227	0.91	0.14	0.18	pCi/g	1.08
SLD03941	SLD03941					Americium-241	0.09	0.20	0.30	pCi/g	
SLD03941	SLD03941					Cesium-137	0.00	0.02	0.03	pCi/g	
SLD03941	SLD03941					Pa-231	0.86	0.20	1.28	pCi/g	
SLD03941	SLD03941					Potassium-40	14.33	1.76	0.28	pCi/g	
SLD03941	SLD03941					Radium-226	1.18	0.09	0.05	pCi/g	
SLD03941	SLD03941					Radium-228	0.82	0.11	0.08	pCi/g	
SLD03941	SLD03941					Thorium-228	0.82	0.11	0.08	pCi/g	
SLD03941	SLD03941					Thorium-230	15.52	13.45	20.39	pCi/g	
SLD03941	SLD03941					Thorium-232	0.82	0.11	0.08	pCi/g	
SLD03941	SLD03941					Uranium-235	0.67	0.17	0.22	pCi/g	
SLD03941	SLD03941					Uranium-238	10.22	2.36	3.51	pCi/g	
SLD03941	SLD03942	10/13/99	2.0	2.5		Actinium-227	0.11	0.12	0.19	pCi/g	0.71
SLD03941	SLD03942					Americium-241	0.00	0.15	0.25	pCi/g	
SLD03941	SLD03942					Cesium-137	-0.01	0.02	0.03	pCi/g	
SLD03941	SLD03942					Pa-231	-0.01	0.54	0.84	pCi/g	
SLD03941	SLD03942					Potassium-40	18.77	2.25	0.24	pCi/g	
SLD03941	SLD03942					Radium-226	0.82	0.07	0.08	pCi/g	
SLD03941	SLD03942					Radium-228	0.78	0.09	0.08	pCi/g	
SLD03941	SLD03942					Thorium-228	0.78	0.09	0.08	pCi/g	
SLD03941	SLD03942					Thorium-230	11.52	10.34	16.01	pCi/g	
SLD03941	SLD03942					Thorium-232	0.78	0.09	0.08	pCi/g	
SLD03941	SLD03942					Uranium-235	0.18	0.14	0.19	pCi/g	
SLD03941	SLD03942					Uranium-238	4.70	1.64	3.42	pCi/g	

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Sample Location	Sample Number	Collection Date	Start Depth (feet) bgs	End Depth (feet) bgs	Thickness of Cover Material (ft)	Parameter	Result	Error	Detection Limit	Units	Sum of Ratios Value
SLD03943	SLD03943	10/12/99	1.4	2.0	1.4	Actinium-227	2.82	0.05	0.20	pCi/g	2.24
SLD03943	SLD03943					Americium-241	0.16	0.00	0.16	pCi/g	
SLD03943	SLD03943					Cesium-137	0.04	0.00	0.04	pCi/g	
SLD03943	SLD03943					Pa-231	2.93	0.12	0.91	pCi/g	
SLD03943	SLD03943					Potassium-40	12.70	0.41	0.38	pCi/g	
SLD03943	SLD03943					Radium-226	2.94	0.04	0.07	pCi/g	
SLD03943	SLD03943					Radium-228	0.75	0.02	0.11	pCi/g	
SLD03943	SLD03943					Thorium-228	0.75	0.02	0.11	pCi/g	
SLD03943	SLD03943					Thorium-230	15.64	3.35	15.30	pCi/g	
SLD03943	SLD03943					Thorium-232	0.75	0.02	0.11	pCi/g	
SLD03943	SLD03943					Uranium-235	3.47	0.08	0.33	pCi/g	
SLD03943	SLD03943					Uranium-238	67.48	1.85	1.35	pCi/g	
SLD03943	SLD03944	10/12/99	2.0	2.5		Actinium-227	7.92	0.16	0.59	pCi/g	5.02
SLD03943	SLD03944					Americium-241	0.46	0.00	0.46	pCi/g	
SLD03943	SLD03944					Cesium-137	0.12	0.00	0.12	pCi/g	
SLD03943	SLD03944					Pa-231	8.61	0.41	2.74	pCi/g	
SLD03943	SLD03944					Potassium-40	12.15	0.57	1.14	pCi/g	
SLD03943	SLD03944					Radium-226	7.31	0.12	0.20	pCi/g	
SLD03943	SLD03944					Radium-228	1.20	0.06	0.28	pCi/g	
SLD03943	SLD03944					Thorium-228	1.20	0.06	0.28	pCi/g	
SLD03943	SLD03944					Thorium-230	46.81	9.91	44.90	pCi/g	
SLD03943	SLD03944					Thorium-232	1.20	0.06	0.28	pCi/g	
SLD03943	SLD03944					Uranium-235	6.16	0.19	1.00	pCi/g	
SLD03943	SLD03944					Uranium-238	101.81	3.47	3.90	pCi/g	
SLD03945	SLD03945	10/13/99	0.5	1.0	0.5	Actinium-227	1.10	0.15	0.21	pCi/g	0.58
SLD03945	SLD03945					Americium-241	0.01	0.10	0.16	pCi/g	
SLD03945	SLD03945					Cesium-137	0.00	0.02	0.03	pCi/g	
SLD03945	SLD03945					Pa-231	1.16	0.60	1.13	pCi/g	
SLD03945	SLD03945					Potassium-40	10.03	1.26	0.34	pCi/g	
SLD03945	SLD03945					Radium-226	3.20	0.17	0.07	pCi/g	
SLD03945	SLD03945					Radium-228	0.50	0.09	0.10	pCi/g	
SLD03945	SLD03945					Thorium-228	0.50	0.09	0.10	pCi/g	
SLD03945	SLD03945					Thorium-230	8.80	9.80	13.62	pCi/g	
SLD03945	SLD03945					Thorium-232	0.50	0.09	0.10	pCi/g	
SLD03945	SLD03945					Uranium-235	0.61	0.21	0.24	pCi/g	
SLD03945	SLD03945					Uranium-238	7.37	1.67	4.37	pCi/g	
SLD03945	SLD03946	10/13/99	1.5	2.0		Actinium-227	0.29	0.15	0.24	pCi/g	0.12
SLD03945	SLD03946					Americium-241	0.07	0.08	0.14	pCi/g	

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Sample Location	Sample Number	Collection Date	Start Depth (feet) bgs	End Depth (feet) bgs	Thickness of Cover Material (ft)	Parameter	Result	Error	Detection Limit	Units	Sum of Ratios Value
SLD03945	SLD03946					Cesium-137	-0.01	0.02	0.04	pCi/g	
SLD03945	SLD03946					Pa-231	0.09	0.51	0.92	pCi/g	
SLD03945	SLD03946					Potassium-40	12.87	1.44	0.31	pCi/g	
SLD03945	SLD03946					Radium-226	2.08	0.12	0.06	pCi/g	
SLD03945	SLD03946					Radium-228	0.67	0.09	0.09	pCi/g	
SLD03945	SLD03946					Thorium-228	0.67	0.09	0.09	pCi/g	
SLD03945	SLD03946					Thorium-230	3.03	6.37	10.80	pCi/g	
SLD03945	SLD03946					Thorium-232	0.67	0.09	0.09	pCi/g	
SLD03945	SLD03946					Uranium-235	0.33	0.15	0.20	pCi/g	
SLD03945	SLD03946					Uranium-238	3.41	1.11	4.22	pCi/g	
SLD03947	SLD03947	10/13/99	0.8	1.5	0.8	Actinium-227	0.75	0.14	0.21	pCi/g	0.08
SLD03947	SLD03947					Americium-241	0.04	0.09	0.15	pCi/g	
SLD03947	SLD03947					Cesium-137	0.00	0.02	0.04	pCi/g	
SLD03947	SLD03947					Pa-231	0.53	0.74	1.18	pCi/g	
SLD03947	SLD03947					Potassium-40	11.51	1.33	0.40	pCi/g	
SLD03947	SLD03947					Radium-226	3.45	0.18	0.07	pCi/g	
SLD03947	SLD03947					Radium-228	0.80	0.10	0.10	pCi/g	
SLD03947	SLD03947					Thorium-228	0.80	0.10	0.10	pCi/g	
SLD03947	SLD03947					Thorium-230	0.70	7.56	12.59	pCi/g	
SLD03947	SLD03947					Thorium-232	0.80	0.10	0.10	pCi/g	
SLD03947	SLD03947					Uranium-235	0.62	0.25	0.28	pCi/g	
SLD03947	SLD03947					Uranium-238	3.35	1.20	4.82	pCi/g	
SLD03947	SLD03948	10/13/99	1.5	2.2		Actinium-227	0.49	0.15	0.23	pCi/g	0.04
SLD03947	SLD03948					Americium-241	-0.02	0.10	0.15	pCi/g	
SLD03947	SLD03948					Cesium-137	0.00	0.02	0.04	pCi/g	
SLD03947	SLD03948					Pa-231	0.34	0.77	1.23	pCi/g	
SLD03947	SLD03948					Potassium-40	10.81	1.37	0.44	pCi/g	
SLD03947	SLD03948					Radium-226	2.96	0.17	0.08	pCi/g	
SLD03947	SLD03948					Radium-228	0.65	0.10	0.11	pCi/g	
SLD03947	SLD03948					Thorium-228	0.65	0.10	0.11	pCi/g	
SLD03947	SLD03948					Thorium-230	-1.82	7.46	12.94	pCi/g	
SLD03947	SLD03948					Thorium-232	0.65	0.10	0.11	pCi/g	
SLD03947	SLD03948					Uranium-235	0.43	0.26	0.27	pCi/g	
SLD03947	SLD03948					Uranium-238	2.93	1.32	6.37	pCi/g	
SLD03949	SLD03949	10/13/99	0.8	1.5	0.8	Actinium-227	0.36	0.15	0.25	pCi/g	0.05
SLD03949	SLD03949					Americium-241	0.07	0.08	0.13	pCi/g	
SLD03949	SLD03949					Cesium-137	0.00	0.02	0.03	pCi/g	
SLD03949	SLD03949					Pa-231	0.82	0.77	1.06	pCi/g	

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Sample Location	Sample Number	Collection Date	Start Depth (feet) bgs	End Depth (feet) bgs	Thickness of Cover Material (ft)	Parameter	Result	Error	Detection Limit	Units	Sum of Ratios Value
SLD03949	SLD03949					Potassium-40	12.87	1.42	0.33	pCi/g	
SLD03949	SLD03949					Radium-226	2.25	0.13	0.06	pCi/g	
SLD03949	SLD03949					Radium-228	0.76	0.10	0.09	pCi/g	
SLD03949	SLD03949					Thorium-228	0.76	0.10	0.09	pCi/g	
SLD03949	SLD03949					Thorium-230	-0.57	6.61	11.00	pCi/g	
SLD03949	SLD03949					Thorium-232	0.76	0.10	0.09	pCi/g	
SLD03949	SLD03949					Uranium-235	0.33	0.15	0.21	pCi/g	
SLD03949	SLD03949					Uranium-238	3.74	1.19	3.99	pCi/g	
SLD03949	SLD03950	10/13/99	1.2	2.0		Actinium-227	0.06	0.16	0.24	pCi/g	0.07
SLD03949	SLD03950					Americium-241	0.01	0.08	0.13	pCi/g	
SLD03949	SLD03950					Cesium-137	0.00	0.02	0.04	pCi/g	
SLD03949	SLD03950					Pa-231	0.18	0.64	1.02	pCi/g	
SLD03949	SLD03950					Potassium-40	15.64	1.75	0.40	pCi/g	
SLD03949	SLD03950					Radium-226	0.89	0.07	0.06	pCi/g	
SLD03949	SLD03950					Radium-228	0.89	0.11	0.10	pCi/g	
SLD03949	SLD03950					Thorium-228	0.89	0.11	0.10	pCi/g	
SLD03949	SLD03950					Thorium-230	2.35	6.72	10.84	pCi/g	
SLD03949	SLD03950					Thorium-232	0.89	0.11	0.10	pCi/g	
SLD03949	SLD03950					Uranium-235	0.15	0.17	0.22	pCi/g	
SLD03949	SLD03950					Uranium-238	3.30	1.35	5.44	pCi/g	
SLD03951	SLD03951	10/13/99	1.0	1.5		1 Actinium-227	0.36	0.15	0.20	pCi/g	0.23
SLD03951	SLD03951					Americium-241	-0.01	0.09	0.14	pCi/g	
SLD03951	SLD03951					Cesium-137	0.01	0.02	0.03	pCi/g	
SLD03951	SLD03951					Pa-231	0.24	0.67	1.06	pCi/g	
SLD03951	SLD03951					Potassium-40	9.72	1.18	0.35	pCi/g	
SLD03951	SLD03951					Radium-226	2.48	0.14	0.07	pCi/g	
SLD03951	SLD03951					Radium-228	0.81	0.10	0.09	pCi/g	
SLD03951	SLD03951					Thorium-228	0.81	0.10	0.09	pCi/g	
SLD03951	SLD03951					Thorium-230	4.58	6.95	10.94	pCi/g	
SLD03951	SLD03951					Thorium-232	0.81	0.10	0.09	pCi/g	
SLD03951	SLD03951					Uranium-235	0.40	0.17	0.21	pCi/g	
SLD03951	SLD03951					Uranium-238	4.23	0.93	4.00	pCi/g	
SLD03951	SLD03952	10/13/99	2.0	2.5		Actinium-227	0.36	0.15	0.20	pCi/g	0.23
SLD03951	SLD03952					Americium-241	-0.01	0.09	0.14	pCi/g	
SLD03951	SLD03952					Cesium-137	0.01	0.02	0.03	pCi/g	
SLD03951	SLD03952					Pa-231	0.24	0.67	1.06	pCi/g	
SLD03951	SLD03952					Potassium-40	9.72	1.18	0.35	pCi/g	
SLD03951	SLD03952					Radium-226	2.48	0.14	0.07	pCi/g	

Table 3-1
Plants 6EH and 6E
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Sample Location	Sample Number	Collection Date	Start Depth (feet) bgs	End Depth (feet) bgs	Thickness of Cover Material (ft)	Parameter	Result	Error	Detection Limit	Units	Sum of Ratios Value
SLD03951	SLD03952					Radium-228	0.81	0.10	0.09	pCi/g	
SLD03951	SLD03952					Thorium-228	0.81	0.10	0.09	pCi/g	
SLD03951	SLD03952					Thorium-230	4.58	6.95	10.94	pCi/g	
SLD03951	SLD03952					Thorium-232	0.81	0.10	0.09	pCi/g	
SLD03951	SLD03952					Uranium-235	0.40	0.17	0.21	pCi/g	
SLD03951	SLD03952					Uranium-238	4.23	0.93	4.00	pCi/g	
SLD03953	SLD03953	10/13/99	0.9	1.5	0.9	Actinium-227	1.09	0.17	0.25	pCi/g	0.78
SLD03953	SLD03953					Americium-241	0.11	0.11	0.17	pCi/g	
SLD03953	SLD03953					Cesium-137	0.00	0.03	0.04	pCi/g	
SLD03953	SLD03953					Pa-231	0.86	0.87	1.38	pCi/g	
SLD03953	SLD03953					Potassium-40	8.69	1.09	0.44	pCi/g	
SLD03953	SLD03953					Radium-226	5.78	0.28	0.08	pCi/g	
SLD03953	SLD03953					Radium-228	0.70	0.09	0.11	pCi/g	
SLD03953	SLD03953					Thorium-228	0.70	0.09	0.11	pCi/g	
SLD03953	SLD03953					Thorium-230	12.90	12.05	14.84	pCi/g	
SLD03953	SLD03953					Thorium-232	0.70	0.09	0.11	pCi/g	
SLD03953	SLD03953					Uranium-235	0.72	0.30	0.32	pCi/g	
SLD03953	SLD03953					Uranium-238	3.87	1.38	5.03	pCi/g	
SLD03953	SLD03954	10/13/99	1.5	2.0		Actinium-227	1.41	0.16	0.20	pCi/g	1.20
SLD03953	SLD03954					Americium-241	0.13	0.11	0.19	pCi/g	
SLD03953	SLD03954					Cesium-137	0.01	0.03	0.04	pCi/g	
SLD03953	SLD03954					Pa-231	1.62	0.68	0.97	pCi/g	
SLD03953	SLD03954					Potassium-40	14.11	1.57	0.33	pCi/g	
SLD03953	SLD03954					Radium-226	1.75	0.11	0.06	pCi/g	
SLD03953	SLD03954					Radium-228	0.63	0.09	0.09	pCi/g	
SLD03953	SLD03954					Thorium-228	0.63	0.09	0.09	pCi/g	
SLD03953	SLD03954					Thorium-230	14.30	11.97	15.21	pCi/g	
SLD03953	SLD03954					Thorium-232	0.63	0.09	0.09	pCi/g	
SLD03953	SLD03954					Uranium-235	1.18	0.22	0.25	pCi/g	
SLD03953	SLD03954					Uranium-238	19.97	2.48	4.23	pCi/g	
SLD03955	SLD03955	10/13/99	1.0	1.5	0.1	Actinium-227	1.53	0.18	0.23	pCi/g	0.81
SLD03955	SLD03955					Americium-241	0.05	0.13	0.20	pCi/g	
SLD03955	SLD03955					Cesium-137	0.01	0.03	0.04	pCi/g	
SLD03955	SLD03955					Pa-231	1.80	0.84	1.44	pCi/g	
SLD03955	SLD03955					Potassium-40	16.15	1.76	0.32	pCi/g	
SLD03955	SLD03955					Radium-226	2.23	0.14	0.08	pCi/g	
SLD03955	SLD03955					Radium-228	1.19	0.13	0.11	pCi/g	
SLD03955	SLD03955					Thorium-228	1.19	0.13	0.11	pCi/g	

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Sample Location	Sample Number	Collection Date	Start Depth (feet) bgs	End Depth (feet) bgs	Thickness of Cover Material (ft)	Parameter	Result	Error	Detection Limit	Units	Sum of Ratios Value
SLD03955	SLD03955					Thorium-230	8.16	13.14	16.71	pCi/g	
SLD03955	SLD03955					Thorium-232	1.19	0.13	0.11	pCi/g	
SLD03955	SLD03955					Uranium-235	1.22	0.24	0.29	pCi/g	
SLD03955	SLD03955					Uranium-238	20.01	2.56	4.63	pCi/g	
SLD03955	SLD03956	10/13/99	2.0	2.5		Actinium-227	0.23	0.09	0.19	pCi/g	0.03
SLD03955	SLD03956					Americium-241	0.00	0.10	0.13	pCi/g	
SLD03955	SLD03956					Cesium-137	0.01	0.02	0.03	pCi/g	
SLD03955	SLD03956					Pa-231	0.44	0.59	0.96	pCi/g	
SLD03955	SLD03956					Potassium-40	12.62	1.42	0.32	pCi/g	
SLD03955	SLD03956					Radium-226	2.32	0.14	0.06	pCi/g	
SLD03955	SLD03956					Radium-228	0.72	0.10	0.09	pCi/g	
SLD03955	SLD03956					Thorium-228	0.72	0.10	0.09	pCi/g	
SLD03955	SLD03956					Thorium-230	0.75	6.00	10.48	pCi/g	
SLD03955	SLD03956					Thorium-232	0.72	0.10	0.09	pCi/g	
SLD03955	SLD03956					Uranium-235	0.18	0.15	0.21	pCi/g	
SLD03955	SLD03956					Uranium-238	2.70	0.99	4.12	pCi/g	
SLD03957	SLD03957	10/13/99	1.5	2.0	1.5	Actinium-227	0.51	0.11	0.17	pCi/g	0.63
SLD03957	SLD03957					Americium-241	0.08	0.18	0.27	pCi/g	
SLD03957	SLD03957					Cesium-137	-0.01	0.02	0.03	pCi/g	
SLD03957	SLD03957					Pa-231	0.20	0.58	0.91	pCi/g	
SLD03957	SLD03957					Potassium-40	14.41	1.74	0.23	pCi/g	
SLD03957	SLD03957					Radium-226	1.39	0.09	0.05	pCi/g	
SLD03957	SLD03957					Radium-228	0.87	0.10	0.08	pCi/g	
SLD03957	SLD03957					Thorium-228	0.87	0.10	0.08	pCi/g	
SLD03957	SLD03957					Thorium-230	7.62	11.75	19.02	pCi/g	
SLD03957	SLD03957					Thorium-232	0.87	0.10	0.08	pCi/g	
SLD03957	SLD03957					Uranium-235	0.60	0.16	0.20	pCi/g	
SLD03957	SLD03957					Uranium-238	14.06	2.14	3.26	pCi/g	
SLD03957	SLD03958	10/13/99	2.5	3.0		Actinium-227	1.24	0.04	0.23	pCi/G	0.32
SLD03957	SLD03958					Americium-241	0.15	0.00	0.15	pCi/G	
SLD03957	SLD03958					Cesium-137	0.05	0.00	0.05	pCi/G	
SLD03957	SLD03958					Pa-231	1.19	0.12	1.03	pCi/G	
SLD03957	SLD03958					Potassium-40	11.17	0.42	0.53	pCi/G	
SLD03957	SLD03958					Radium-226	2.30	0.04	0.10	pCi/G	
SLD03957	SLD03958					Radium-228	0.72	0.03	0.13	pCi/G	
SLD03957	SLD03958					Thorium-228	0.72	0.03	0.13	pCi/G	
SLD03957	SLD03958					Thorium-230	14.60	0.00	14.60	pCi/G	
SLD03957	SLD03958					Thorium-232	0.72	0.03	0.13	pCi/G	

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Sample Location	Sample Number	Collection Date	Start Depth (feet) bgs	End Depth (feet) bgs	Thickness of Cover Material (ft)	Parameter	Result	Error	Detection Limit	Units	Sum of Ratios Value
SLD03957	SLD03958					Uranium-235	1.07	0.05	0.36	pCi/g	
SLD03957	SLD03958					Uranium-238	17.64	0.79	1.33	pCi/g	
SLD03959	SLD03959	10/18/99	1.0	1.5	1	Actinium-227	0.13	0.13	0.19	pCi/g	0.02
SLD03959	SLD03959					Americium-241	-0.04	0.15	0.25	pCi/g	
SLD03959	SLD03959					Cesium-137	0.00	0.02	0.03	pCi/g	
SLD03959	SLD03959					Pa-231	0.54	0.55	0.89	pCi/g	
SLD03959	SLD03959					Potassium-40	11.22	1.41	0.27	pCi/g	
SLD03959	SLD03959					Radium-226	1.56	0.10	0.05	pCi/g	
SLD03959	SLD03959					Radium-228	1.08	0.11	0.09	pCi/g	
SLD03959	SLD03959					Thorium-228	1.08	0.11	0.09	pCi/g	
SLD03959	SLD03959					Thorium-230	2.06	10.31	16.66	pCi/g	
SLD03959	SLD03959					Thorium-232	1.08	0.11	0.09	pCi/g	
SLD03959	SLD03959					Uranium-235	0.19	0.14	0.19	pCi/g	
SLD03959	SLD03959					Uranium-238	1.60	1.67	4.01	pCi/g	
SLD03959	SLD03960	10/18/99	2.0	2.5		Actinium-227	0.62	0.00	0.62	pCi/g	0.45
SLD03959	SLD03960					Americium-241	0.15	0.00	0.15	pCi/g	
SLD03959	SLD03960					Cesium-137	0.06	0.00	0.06	pCi/g	
SLD03959	SLD03960					Pa-231	1.92	0.00	1.92	pCi/g	
SLD03959	SLD03960					Potassium-40	14.94	0.61	0.73	pCi/g	
SLD03959	SLD03960					Radium-226	0.89	0.03	0.10	pCi/g	
SLD03959	SLD03960					Radium-228	0.76	0.04	0.17	pCi/g	
SLD03959	SLD03960					Thorium-228	0.76	0.04	0.17	pCi/g	
SLD03959	SLD03960					Thorium-230	7.23	3.04	13.90	pCi/g	
SLD03959	SLD03960					Thorium-232	0.76	0.04	0.17	pCi/g	
SLD03959	SLD03960					Uranium-235	0.31	0.05	0.36	pCi/g	
SLD03959	SLD03960					Uranium-238	6.31	0.44	1.28	pCi/g	
SLD03963	SLD03963	10/14/99	0.9	1.5	0.9	Actinium-227	0.97	0.15	0.21	pCi/g	0.67
SLD03963	SLD03963					Americium-241	0.18	0.24	0.35	pCi/g	
SLD03963	SLD03963					Cesium-137	0.01	0.02	0.04	pCi/g	
SLD03963	SLD03963					Pa-231	0.76	0.75	1.17	pCi/g	
SLD03963	SLD03963					Potassium-40	11.86	1.49	0.34	pCi/g	
SLD03963	SLD03963					Radium-226	4.32	0.24	0.07	pCi/g	
SLD03963	SLD03963					Radium-228	0.79	0.10	0.10	pCi/g	
SLD03963	SLD03963					Thorium-228	0.79	0.10	0.10	pCi/g	
SLD03963	SLD03963					Thorium-230	7.47	14.67	23.47	pCi/g	
SLD03963	SLD03963					Thorium-232	0.79	0.10	0.10	pCi/g	
SLD03963	SLD03963					Uranium-235	1.03	0.21	0.25	pCi/g	

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Sample Location	Sample Number	Collection Date	Start Depth (feet) bgs	End Depth (feet) bgs	Thickness of Cover Material (ft)	Parameter	Result	Error	Detection Limit	Units	Sum of Ratios Value
SLD03963	SLD03963					Uranium-238	16.47	2.85	4.12	pCi/g	
SLD03963	SLD03964	10/14/99	2.0	2.5		Actinium-227	2.17	0.21	0.20	pCi/g	0.94
SLD03963	SLD03964					Americium-241	0.22	0.24	0.37	pCi/g	
SLD03963	SLD03964					Cesium-137	0.00	0.02	0.03	pCi/g	
SLD03963	SLD03964					Pa-231	2.88	0.63	1.02	pCi/g	
SLD03963	SLD03964					Potassium-40	14.03	1.70	0.27	pCi/g	
SLD03963	SLD03964					Radium-226	2.46	0.15	0.06	pCi/g	
SLD03963	SLD03964					Radium-228	0.99	0.10	0.09	pCi/g	
SLD03963	SLD03964					Thorium-228	0.99	0.10	0.09	pCi/g	
SLD03963	SLD03964					Thorium-230	10.24	20.33	24.32	pCi/g	
SLD03963	SLD03964					Thorium-232	0.99	0.10	0.09	pCi/g	
SLD03963	SLD03964					Uranium-235	1.56	0.25	0.27	pCi/g	
SLD03963	SLD03964					Uranium-238	20.69	3.26	3.55	pCi/g	
SLD03965	SLD03965	10/14/99	0.8	1.0	0.8	Actinium-227	5.29	0.32	0.23	pCi/g	1.97
SLD03965	SLD03965					Americium-241	-0.08	0.24	0.39	pCi/g	
SLD03965	SLD03965					Cesium-137	-0.01	0.02	0.03	pCi/g	
SLD03965	SLD03965					Pa-231	6.26	0.82	1.02	pCi/g	
SLD03965	SLD03965					Potassium-40	11.39	1.41	0.28	pCi/g	
SLD03965	SLD03965					Radium-226	2.70	0.17	0.06	pCi/g	
SLD03965	SLD03965					Radium-228	0.78	0.10	0.09	pCi/g	
SLD03965	SLD03965					Thorium-228	0.78	0.10	0.09	pCi/g	
SLD03965	SLD03965					Thorium-230	29.13	23.40	27.05	pCi/g	
SLD03965	SLD03965					Thorium-232	0.78	0.10	0.09	pCi/g	
SLD03965	SLD03965					Uranium-235	1.27	0.27	0.29	pCi/g	
SLD03965	SLD03965					Uranium-238	9.04	2.48	3.50	pCi/g	
SLD03965	SLD03966	10/14/99	1.5	2.0	0.8	Actinium-227	0.74	0.13	0.18	pCi/g	0.18
SLD03965	SLD03966					Americium-241	0.23	0.21	0.27	pCi/g	
SLD03965	SLD03966					Cesium-137	0.01	0.02	0.03	pCi/g	
SLD03965	SLD03966					Pa-231	1.05	0.85	1.02	pCi/g	
SLD03965	SLD03966					Potassium-40	11.87	1.50	0.28	pCi/g	
SLD03965	SLD03966					Radium-226	3.04	0.18	0.06	pCi/g	
SLD03965	SLD03966					Radium-228	0.75	0.10	0.08	pCi/g	
SLD03965	SLD03966					Thorium-228	0.75	0.10	0.08	pCi/g	
SLD03965	SLD03966					Thorium-230	-0.44	13.46	19.66	pCi/g	
SLD03965	SLD03966					Thorium-232	0.75	0.10	0.08	pCi/g	
SLD03965	SLD03966					Uranium-235	0.72	0.19	0.22	pCi/g	
SLD03965	SLD03966					Uranium-238	9.58	2.32	3.77	pCi/g	

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Sample Location	Sample Number	Collection Date	Start Depth (feet) bgs	End Depth (feet) bgs	Thickness of Cover Material (ft)	Parameter	Result	Error	Detection Limit	Units	Sum of Ratios Value
SLD03967	SLD03967	10/14/99	0.5	1.0	0.5	Actinium-227	0.49	0.14	0.23	pCi/g	0.91
SLD03967	SLD03967					Americium-241	0.12	0.23	0.35	pCi/g	
SLD03967	SLD03967					Cesium-137	0.00	0.03	0.04	pCi/g	
SLD03967	SLD03967					Pa-231	0.15	0.83	1.27	pCi/g	
SLD03967	SLD03967					Potassium-40	13.73	1.74	0.35	pCi/g	
SLD03967	SLD03967					Radium-226	3.53	0.22	0.08	pCi/g	
SLD03967	SLD03967					Radium-228	0.87	0.11	0.11	pCi/g	
SLD03967	SLD03967					Thorium-228	0.87	0.11	0.11	pCi/g	
SLD03967	SLD03967					Thorium-230	12.56	16.43	24.69	pCi/g	
SLD03967	SLD03967					Thorium-232	0.87	0.11	0.11	pCi/g	
SLD03967	SLD03967					Uranium-235	0.70	0.23	0.27	pCi/g	
SLD03967	SLD03967					Uranium-238	11.36	3.01	4.64	pCi/g	
SLD03967	SLD03968	10/14/99	1.5	2.0		Actinium-227	0.59	0.11	0.17	pCi/g	0.15
SLD03967	SLD03968					Americium-241	0.05	0.18	0.27	pCi/g	
SLD03967	SLD03968					Cesium-137	-0.01	0.02	0.03	pCi/g	
SLD03967	SLD03968					Pa-231	0.67	0.57	0.92	pCi/g	
SLD03967	SLD03968					Potassium-40	13.38	1.62	0.25	pCi/g	
SLD03967	SLD03968					Radium-226	1.73	0.11	0.05	pCi/g	
SLD03967	SLD03968					Radium-228	0.84	0.10	0.08	pCi/g	
SLD03967	SLD03968					Thorium-228	0.84	0.10	0.08	pCi/g	
SLD03967	SLD03968					Thorium-230	1.14	12.35	18.18	pCi/g	
SLD03967	SLD03968					Thorium-232	0.84	0.10	0.08	pCi/g	
SLD03967	SLD03968					Uranium-235	0.55	0.16	0.20	pCi/g	
SLD03967	SLD03968					Uranium-238	9.08	2.11	3.27	pCi/g	
SLD03969	SLD03969	10/18/99	0.8	1.5	0.8	Actinium-227	0.60	0.00	0.60	pCi/g	0.04
SLD03969	SLD03969					Americium-241	0.13	0.00	0.13	pCi/g	
SLD03969	SLD03969					Cesium-137	0.06	0.00	0.06	pCi/g	
SLD03969	SLD03969					Pa-231	1.79	0.00	1.79	pCi/g	
SLD03969	SLD03969					Potassium-40	13.27	0.56	0.60	pCi/g	
SLD03969	SLD03969					Radium-226	0.80	0.02	0.09	pCi/g	
SLD03969	SLD03969					Radium-228	0.70	0.04	0.15	pCi/g	
SLD03969	SLD03969					Thorium-228	0.70	0.04	0.15	pCi/g	
SLD03969	SLD03969					Thorium-230	12.10	0.00	12.10	pCi/g	
SLD03969	SLD03969					Thorium-232	0.70	0.04	0.15	pCi/g	
SLD03969	SLD03969					Uranium-235	0.38	0.00	0.38	pCi/g	
SLD03969	SLD03969					Uranium-238	3.35	0.30	1.07	pCi/g	
SLD03969	SLD03970	10/18/99	1.5	2.0		Actinium-227	2.91	0.08	0.35	pCi/g	1.76
SLD03969	SLD03970					Americium-241	0.25	0.00	0.25	pCi/g	

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Sample Location	Sample Number	Collection Date	Start Depth (feet) bgs	End Depth (feet) bgs	Thickness of Cover Material (ft)	Parameter	Result	Error	Detection Limit	Units	Sum of Ratios Value
SLD03969	SLD03970					Cesium-137	0.07	0.00	0.07	pCi/g	
SLD03969	SLD03970					Pa-231	2.77	0.21	1.55	pCi/g	
SLD03969	SLD03970					Potassium-40	12.13	0.53	0.74	pCi/g	
SLD03969	SLD03970					Radium-226	1.88	0.04	0.13	pCi/g	
SLD03969	SLD03970					Radium-228	0.98	0.05	0.20	pCi/g	
SLD03969	SLD03970					Thorium-228	0.98	0.05	0.20	pCi/g	
SLD03969	SLD03970					Thorium-230	22.21	5.44	24.60	pCi/g	
SLD03969	SLD03970					Thorium-232	0.98	0.05	0.20	pCi/g	
SLD03969	SLD03970					Uranium-235	1.35	0.08	0.59	pCi/g	
SLD03969	SLD03970					Uranium-238	21.80	1.06	2.13	pCi/g	
SLD03971	SLD03971	10/18/99	0.5	1.0	0.5	Actinium-227	0.53	0.00	0.53	pCi/g	0.00
SLD03971	SLD03971					Americium-241	0.12	0.00	0.12	pCi/g	
SLD03971	SLD03971					Cesium-137	0.06	0.00	0.06	pCi/g	
SLD03971	SLD03971					Pa-231	1.61	0.00	1.61	pCi/g	
SLD03971	SLD03971					Potassium-40	15.09	0.60	0.65	pCi/g	
SLD03971	SLD03971					Radium-226	0.66	0.02	0.09	pCi/g	
SLD03971	SLD03971					Radium-228	0.60	0.03	0.13	pCi/g	
SLD03971	SLD03971					Thorium-228	0.60	0.03	0.13	pCi/g	
SLD03971	SLD03971					Thorium-230	11.20	0.00	11.20	pCi/g	
SLD03971	SLD03971					Thorium-232	0.60	0.03	0.13	pCi/g	
SLD03971	SLD03971					Uranium-235	0.34	0.00	0.34	pCi/g	
SLD03971	SLD03971					Uranium-238	1.37	0.24	1.07	pCi/g	
SLD03971	SLD03972	10/18/99	1.5	2.0		Actinium-227	0.58	0.00	0.58	pCi/g	0.00
SLD03971	SLD03972					Americium-241	0.13	0.00	0.13	pCi/g	
SLD03971	SLD03972					Cesium-137	0.06	0.00	0.06	pCi/g	
SLD03971	SLD03972					Pa-231	1.93	0.00	1.93	pCi/g	
SLD03971	SLD03972					Potassium-40	14.46	0.60	0.65	pCi/g	
SLD03971	SLD03972					Radium-226	1.03	0.03	0.11	pCi/g	
SLD03971	SLD03972					Radium-228	0.74	0.04	0.16	pCi/g	
SLD03971	SLD03972					Thorium-228	0.74	0.04	0.16	pCi/g	
SLD03971	SLD03972					Thorium-230	12.40	0.00	12.40	pCi/g	
SLD03971	SLD03972					Thorium-232	0.74	0.04	0.16	pCi/g	
SLD03971	SLD03972					Uranium-235	0.38	0.00	0.38	pCi/g	
SLD03971	SLD03972					Uranium-238	1.42	0.27	1.13	pCi/g	
SLD03973	SLD03973	10/18/99	0.5	1.0	0.5	Actinium-227	0.28	0.03	0.28	pCi/g	0.09
SLD03973	SLD03973					Americium-241	0.15	0.00	0.15	pCi/g	
SLD03973	SLD03973					Cesium-137	0.07	0.00	0.07	pCi/g	
SLD03973	SLD03973					Pa-231	2.08	0.00	2.08	pCi/g	

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Sample Location	Sample Number	Collection Date	Start Depth (feet) bgs	End Depth (feet) bgs	Thickness of Cover Material (ft)	Parameter	Result	Error	Detection Limit	Units	Sum of Ratios Value
SLD03973	SLD03973					Potassium-40	13.40	0.56	0.70	pCi/g	
SLD03973	SLD03973					Radium-226	1.66	0.04	0.11	pCi/g	
SLD03973	SLD03973					Radium-228	0.80	0.04	0.16	pCi/g	
SLD03973	SLD03973					Thorium-228	0.80	0.04	0.16	pCi/g	
SLD03973	SLD03973					Thorium-230	14.80	0.00	14.80	pCi/g	
SLD03973	SLD03973					Thorium-232	0.80	0.04	0.16	pCi/g	
SLD03973	SLD03973					Uranium-235	0.35	0.06	0.39	pCi/g	
SLD03973	SLD03973					Uranium-238	5.76	0.43	1.39	pCi/g	
SLD03973	SLD03974	10/18/99	1.5	2.0		Actinium-227	3.54	0.07	0.22	pCi/g	1.41
SLD03973	SLD03974					Americium-241	0.15	0.00	0.15	pCi/g	
SLD03973	SLD03974					Cesium-137	0.04	0.00	0.04	pCi/g	
SLD03973	SLD03974					Pa-231	2.57	0.14	1.00	pCi/g	
SLD03973	SLD03974					Potassium-40	14.73	0.50	0.45	pCi/g	
SLD03973	SLD03974					Radium-226	1.60	0.03	0.07	pCi/g	
SLD03973	SLD03974					Radium-228	1.01	0.03	0.11	pCi/g	
SLD03973	SLD03974					Thorium-228	1.01	0.03	0.11	pCi/g	
SLD03973	SLD03974					Thorium-230	18.53	1.52	11.60	pCi/g	
SLD03973	SLD03974					Thorium-232	1.01	0.03	0.11	pCi/g	
SLD03973	SLD03974					Uranium-235	1.18	0.05	0.34	pCi/g	
SLD03973	SLD03974					Uranium-238	16.24	0.73	1.32	pCi/g	
SLD03975	SLD03975	10/18/99	0.8	1.5	0.8	Actinium-227	0.53	0.00	0.53	pCi/g	0.00
SLD03975	SLD03975					Americium-241	0.12	0.00	0.12	pCi/g	
SLD03975	SLD03975					Cesium-137	0.06	0.00	0.06	pCi/g	
SLD03975	SLD03975					Pa-231	1.66	0.00	1.66	pCi/g	
SLD03975	SLD03975					Potassium-40	14.10	0.56	0.50	pCi/g	
SLD03975	SLD03975					Radium-226	0.69	0.02	0.10	pCi/g	
SLD03975	SLD03975					Radium-228	0.65	0.03	0.15	pCi/g	
SLD03975	SLD03975					Thorium-228	0.65	0.03	0.15	pCi/g	
SLD03975	SLD03975					Thorium-230	11.00	0.00	11.00	pCi/g	
SLD03975	SLD03975					Thorium-232	0.65	0.03	0.15	pCi/g	
SLD03975	SLD03975					Uranium-235	0.33	0.00	0.33	pCi/g	
SLD03975	SLD03975					Uranium-238	0.69	0.24	1.08	pCi/g	
SLD03975	SLD03976	10/18/99	2.0	2.5		Actinium-227	0.41	0.04	0.28	pCi/g	0.07
SLD03975	SLD03976					Americium-241	0.16	0.00	0.16	pCi/g	
SLD03975	SLD03976					Cesium-137	0.07	0.00	0.07	pCi/g	
SLD03975	SLD03976					Pa-231	2.13	0.00	2.13	pCi/g	
SLD03975	SLD03976					Potassium-40	12.75	0.55	0.71	pCi/g	
SLD03975	SLD03976					Radium-226	1.61	0.04	0.12	pCi/g	

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Sample Location	Sample Number	Collection Date	Start Depth (feet) bgs	End Depth (feet) bgs	Thickness of Cover Material (ft)	Parameter	Result	Error	Detection Limit	Units	Sum of Ratios Value
SLD03975	SLD03976					Radium-228	0.90	0.04	0.15	pCi/g	
SLD03975	SLD03976					Thorium-228	0.90	0.04	0.15	pCi/g	
SLD03975	SLD03976					Thorium-230	14.80	0.00	14.80	pCi/g	
SLD03975	SLD03976					Thorium-232	0.90	0.04	0.15	pCi/g	
SLD03975	SLD03976					Uranium-235	0.45	0.00	0.45	pCi/g	
SLD03975	SLD03976					Uranium-238	5.00	0.42	1.38	pCi/g	
SLD03977	SLD03977	10/18/99	0.8	1.5	0.8	Actinium-227	0.53	0.00	0.53	pCi/g	0.02
SLD03977	SLD03977					Americium-241	0.12	0.00	0.12	pCi/g	
SLD03977	SLD03977					Cesium-137	0.06	0.00	0.06	pCi/g	
SLD03977	SLD03977					Pa-231	1.73	0.00	1.73	pCi/g	
SLD03977	SLD03977					Potassium-40	12.54	0.54	0.64	pCi/g	
SLD03977	SLD03977					Radium-226	0.92	0.03	0.09	pCi/g	
SLD03977	SLD03977					Radium-228	0.61	0.03	0.16	pCi/g	
SLD03977	SLD03977					Thorium-228	0.61	0.03	0.16	pCi/g	
SLD03977	SLD03977					Thorium-230	12.30	0.00	12.30	pCi/g	
SLD03977	SLD03977					Thorium-232	0.61	0.03	0.16	pCi/g	
SLD03977	SLD03977					Uranium-235	0.36	0.00	0.36	pCi/g	
SLD03977	SLD03977					Uranium-238	2.32	0.29	1.15	pCi/g	
SLD03977	SLD03978	10/18/99	1.5	2.0		Actinium-227	0.58	0.00	0.58	pCi/g	0.02
SLD03977	SLD03978					Americium-241	0.14	0.00	0.14	pCi/g	
SLD03977	SLD03978					Cesium-137	0.06	0.00	0.06	pCi/g	
SLD03977	SLD03978					Pa-231	1.91	0.00	1.91	pCi/g	
SLD03977	SLD03978					Potassium-40	12.71	0.60	0.86	pCi/g	
SLD03977	SLD03978					Radium-226	0.81	0.03	0.12	pCi/g	
SLD03977	SLD03978					Radium-228	0.43	0.04	0.17	pCi/g	
SLD03977	SLD03978					Thorium-228	0.43	0.04	0.17	pCi/g	
SLD03977	SLD03978					Thorium-230	13.30	0.00	13.30	pCi/g	
SLD03977	SLD03978					Thorium-232	0.43	0.04	0.17	pCi/g	
SLD03977	SLD03978					Uranium-235	0.39	0.00	0.39	pCi/g	
SLD03977	SLD03978					Uranium-238	2.45	0.31	1.19	pCi/g	
SLD03979	SLD03978	10/19/99	0.7	1.0	0.66	Actinium-227	0.64	0.00	0.64	pCi/g	0.04
SLD03979	SLD03979					Americium-241	0.15	0.00	0.15	pCi/g	
SLD03979	SLD03979					Cesium-137	0.07	0.00	0.07	pCi/g	
SLD03979	SLD03979					Pa-231	1.98	0.00	1.98	pCi/g	
SLD03979	SLD03979					Potassium-40	9.63	0.45	0.68	pCi/g	
SLD03979	SLD03979					Radium-226	1.99	0.04	0.11	pCi/g	
SLD03979	SLD03979					Radium-228	0.71	0.04	0.17	pCi/g	
SLD03979	SLD03979					Thorium-228	0.71	0.04	0.17	pCi/g	

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Sample Location	Sample Number	Collection Date	Start Depth (feet) bgs	End Depth (feet) bgs	Thickness of Cover Material (ft)	Parameter	Result	Error	Detection Limit	Units	Sum of Ratios Value
SLD03979	SLD03979					Thorium-230	13.90	0.00	13.90	pCi/g	
SLD03979	SLD03979					Thorium-232	0.71	0.04	0.17	pCi/g	
SLD03979	SLD03979					Uranium-235	0.29	0.06	0.38	pCi/g	
SLD03979	SLD03979					Uranium-238	3.21	0.33	1.28	pCi/g	
SLD03979	SLD03980	10/19/99	1.0	1.5		Actinium-227	0.68	0.00	0.68	pCi/g	0.05
SLD03979	SLD03980					Americium-241	0.15	0.00	0.15	pCi/g	
SLD03979	SLD03980					Cesium-137	0.07	0.00	0.07	pCi/g	
SLD03979	SLD03980					Pa-231	2.12	0.00	2.12	pCi/g	
SLD03979	SLD03980					Potassium-40	10.36	0.47	0.75	pCi/g	
SLD03979	SLD03980					Radium-226	3.01	0.06	0.12	pCi/g	
SLD03979	SLD03980					Radium-228	0.91	0.04	0.18	pCi/g	
SLD03979	SLD03980					Thorium-228	0.91	0.04	0.18	pCi/g	
SLD03979	SLD03980					Thorium-230	14.70	0.00	14.70	pCi/g	
SLD03979	SLD03980					Thorium-232	0.91	0.04	0.18	pCi/g	
SLD03979	SLD03980					Uranium-235	0.46	0.00	0.46	pCi/g	
SLD03979	SLD03980					Uranium-238	3.09	0.34	1.35	pCi/g	
SLD03981	SLD03981	10/19/99	0.8	1.2	0.75	Actinium-227	0.57	0.00	0.57	pCi/g	0.23
SLD03981	SLD03981					Americium-241	0.16	0.00	0.16	pCi/g	
SLD03981	SLD03981					Cesium-137	0.02	0.01	0.04	pCi/g	
SLD03981	SLD03981					Pa-231	1.87	0.00	1.87	pCi/g	
SLD03981	SLD03981					Potassium-40	10.23	0.43	0.59	pCi/g	
SLD03981	SLD03981					Radium-226	2.17	0.04	0.10	pCi/g	
SLD03981	SLD03981					Radium-228	0.80	0.04	0.15	pCi/g	
SLD03981	SLD03981					Thorium-228	0.80	0.04	0.15	pCi/g	
SLD03981	SLD03981					Thorium-230	14.70	0.00	14.70	pCi/g	
SLD03981	SLD03981					Thorium-232	0.80	0.04	0.15	pCi/g	
SLD03981	SLD03981					Uranium-235	0.59	0.06	0.38	pCi/g	
SLD03981	SLD03981					Uranium-238	12.74	0.66	1.35	pCi/g	
SLD03981	SLD03982	10/19/99	1.5	2.0		Actinium-227	0.49	0.04	0.30	pCi/g	0.00
SLD03981	SLD03982					Americium-241	3.16	0.20	0.52	pCi/g	
SLD03981	SLD03982					Cesium-137	0.06	0.00	0.06	pCi/g	
SLD03981	SLD03982					Pa-231	0.86	0.18	1.48	pCi/g	
SLD03981	SLD03982					Potassium-40	12.33	0.53	0.65	pCi/g	
SLD03981	SLD03982					Radium-226	1.64	0.04	0.11	pCi/g	
SLD03981	SLD03982					Radium-228	0.94	0.04	0.16	pCi/g	
SLD03981	SLD03982					Thorium-228	0.94	0.04	0.16	pCi/g	
SLD03981	SLD03982					Thorium-230	14.80	0.00	14.80	pCi/g	
SLD03981	SLD03982					Thorium-232	0.94	0.04	0.16	pCi/g	

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Sample Location	Sample Number	Collection Date	Start Depth (feet) bgs	End Depth (feet) bgs	Thickness of Cover Material (ft)	Parameter	Result	Error	Detection Limit	Units	Sum of Ratios Value
SLD03981	SLD03982					Uranium-235	0.46	0.00	0.46	pCi/g	
SLD03981	SLD03982					Uranium-238	3.13	0.00	3.13	pCi/g	
SLD04129	SLD04129	11/4/99	0.5	1.0	0.5	Actinium-227	0.15	0.09	0.15	pCi/g	0.00
SLD04129	SLD04129					Americium-241	0.03	0.05	0.08	pCi/g	
SLD04129	SLD04129					Cesium-137	0.00	0.01	0.02	pCi/g	
SLD04129	SLD04129					Pa-231	0.09	0.37	0.59	pCi/g	
SLD04129	SLD04129					Potassium-40	8.65	0.96	0.19	pCi/g	
SLD04129	SLD04129					Radium-226	0.85	0.06	0.04	pCi/g	
SLD04129	SLD04129					Radium-228	0.42	0.06	0.06	pCi/g	
SLD04129	SLD04129					Thorium-228	0.61	0.36	0.24	pCi/g	
SLD04129	SLD04129					Thorium-230	1.72	0.64	0.13	pCi/g	
SLD04129	SLD04129					Thorium-232	0.76	0.40	0.13	pCi/g	
SLD04129	SLD04129					Uranium-235	0.09	0.10	0.14	pCi/g	
SLD04129	SLD04129					Uranium-238	1.43	0.77	3.16	pCi/g	
SLD04129	SLD04183	11/4/99	2.5	3.0	0.5	Actinium-227	0.28	0.15	0.24	pCi/g	0.02
SLD04129	SLD04183					Americium-241	0.02	0.08	0.13	pCi/g	
SLD04129	SLD04183					Cesium-137	0.00	0.02	0.04	pCi/g	
SLD04129	SLD04183					Pa-231	-0.22	0.62	0.94	pCi/g	
SLD04129	SLD04183					Potassium-40	14.67	1.62	0.30	pCi/g	
SLD04129	SLD04183					Radium-226	1.55	0.10	0.06	pCi/g	
SLD04129	SLD04183					Radium-228	1.06	0.11	0.10	pCi/g	
SLD04129	SLD04183					Thorium-228	1.12	0.48	0.12	pCi/g	
SLD04129	SLD04183					Thorium-230	1.41	0.55	0.22	pCi/g	
SLD04129	SLD04183					Thorium-232	0.89	0.42	0.12	pCi/g	
SLD04129	SLD04183					Uranium-235	0.08	0.12	0.21	pCi/g	
SLD04129	SLD04183					Uranium-238	2.04	1.10	4.19	pCi/g	
SLD04129	SLD04237	11/4/99	4.5	5.0	0.5	Actinium-227	0.16	0.10	0.22	pCi/g	1.05
SLD04129	SLD04237					Americium-241	0.05	0.07	0.12	pCi/g	
SLD04129	SLD04237					Cesium-137	0.00	0.02	0.03	pCi/g	
SLD04129	SLD04237					Pa-231	-0.38	0.56	0.83	pCi/g	
SLD04129	SLD04237					Potassium-40	13.54	1.46	0.31	pCi/g	
SLD04129	SLD04237					Radium-226	2.06	0.12	0.06	pCi/g	
SLD04129	SLD04237					Radium-228	1.07	0.11	0.09	pCi/g	
SLD04129	SLD04237					Thorium-228	3.48	2.49	0.85	pCi/g	
SLD04129	SLD04237					Thorium-230	13.22	6.54	0.85	pCi/g	
SLD04129	SLD04237					Thorium-232	5.03	3.18	0.85	pCi/g	
SLD04129	SLD04237					Uranium-235	0.12	0.12	0.20	pCi/g	

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Sample Location	Sample Number	Collection Date	Start Depth (feet) bgs	End Depth (feet) bgs	Thickness of Cover Material (ft)	Parameter	Result	Error	Detection Limit	Units	Sum of Ratios Value
SLD04129	SLD04237					Uranium-238	2.45	0.91	4.70	pCi/g	
SLD04159	SLD04159	10/27/99	1.5	2.0	0.5	Actinium-227	0.08	0.07	0.10	pCi/g	0.00
SLD04159	SLD04159					Americium-241	0.00	0.08	0.13	pCi/g	
SLD04159	SLD04159					Cesium-137	0.00	0.01	0.01	pCi/g	
SLD04159	SLD04159					Pa-231	-0.06	0.28	0.43	pCi/g	
SLD04159	SLD04159					Potassium-40	3.50	0.50	0.15	pCi/g	
SLD04159	SLD04159					Radium-226	0.73	0.05	0.03	pCi/g	
SLD04159	SLD04159					Radium-228	0.17	0.03	0.04	pCi/g	
SLD04159	SLD04159					Thorium-228	0.38	0.39	0.50	pCi/g	
SLD04159	SLD04159					Thorium-230	0.83	0.55	0.23	pCi/g	
SLD04159	SLD04159					Thorium-232	0.50	0.03	0.04	pCi/g	
SLD04159	SLD04159					Uranium-235	0.11	0.42	0.23	pCi/g	
SLD04159	SLD04159					Uranium-238	0.90	0.75	1.85	pCi/g	
SLD04159	SLD04213	10/27/99	3.5	4.0	0.5	Actinium-227	0.55	0.34	0.13	pCi/g	0.41
SLD04159	SLD04213					Americium-241	0.06	0.09	0.13	pCi/g	
SLD04159	SLD04213					Cesium-137	0.06	0.12	0.18	pCi/g	
SLD04159	SLD04213					Pa-231	0.01	0.01	0.02	pCi/g	
SLD04159	SLD04213					Potassium-40	1.67	0.80	0.63	pCi/g	
SLD04159	SLD04213					Radium-226	9.27	1.17	0.18	pCi/g	
SLD04159	SLD04213					Radium-228	1.02	0.07	0.04	pCi/g	
SLD04159	SLD04213					Thorium-228	1.40	0.58	0.14	pCi/g	
SLD04159	SLD04213					Thorium-230	2.29	0.78	0.14	pCi/g	
SLD04159	SLD04213					Thorium-232	0.55	0.34	0.13	pCi/g	
SLD04159	SLD04213					Uranium-235	0.46	0.06	0.06	pCi/g	
SLD04159	SLD04213					Uranium-238	0.13	0.11	0.14	pCi/g	
SLD04159	SLD04267	10/27/99	5.5	6.0	0.5	Actinium-227	1.06	1.35	2.93	pCi/g	0.50
SLD04159	SLD04267					Americium-241	0.10	0.07	0.15	pCi/g	
SLD04159	SLD04267					Cesium-137	0.12	0.12	0.20	pCi/g	
SLD04159	SLD04267					Pa-231	0.02	0.02	0.03	pCi/g	
SLD04159	SLD04267					Potassium-40	0.39	0.44	0.71	pCi/g	
SLD04159	SLD04267					Radium-226	10.40	1.29	0.22	pCi/g	
SLD04159	SLD04267					Radium-228	1.15	0.08	0.04	pCi/g	
SLD04159	SLD04267					Thorium-228	0.75	0.40	0.31	pCi/g	
SLD04159	SLD04267					Thorium-230	2.02	0.70	0.23	pCi/g	
SLD04159	SLD04267					Thorium-232	1.29	0.53	0.12	pCi/g	
SLD04159	SLD04267					Uranium-235	0.61	0.07	0.06	pCi/g	
SLD04159	SLD04267					Uranium-238	0.09	0.09	0.16	pCi/g	

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Sample Location	Sample Number	Collection Date	Start Depth (feet) bgs	End Depth (feet) bgs	Thickness of Cover Material (ft)	Parameter	Result	Error	Detection Limit	Units	Sum of Ratios Value
SLD04161	SLD04161	11/1/99	1.5	2.0	0.5	Actinium-227	1.18	1.40	3.62	pCi/g	0.00
SLD04161	SLD04161					Americium-241	0.00	0.18	0.11	pCi/g	
SLD04161	SLD04161					Cesium-137	0.01	0.02	0.02	pCi/g	
SLD04161	SLD04161					Pa-231	0.34	0.67	0.42	pCi/g	
SLD04161	SLD04161					Potassium-40	8.90	0.21	1.12	pCi/g	
SLD04161	SLD04161					Radium-226	1.15	0.04	0.08	pCi/g	
SLD04161	SLD04161					Radium-228	0.51	0.06	0.07	pCi/g	
SLD04161	SLD04161					Thorium-228	0.51	0.06	0.07	pCi/g	
SLD04161	SLD04161					Thorium-230	0.25	11.85	7.35	pCi/g	
SLD04161	SLD04161					Thorium-232	0.51	0.06	0.07	pCi/g	
SLD04161	SLD04161					Uranium-235	0.10	0.15	0.15	pCi/g	
SLD04161	SLD04161					Uranium-238	1.42	2.78	1.03	pCi/g	
SLD04161	SLD04215	11/1/99	3.0	3.5	0.5	Actinium-227	0.09	0.18	0.11	pCi/g	0.01
SLD04161	SLD04215					Americium-241	-0.02	0.24	0.16	pCi/g	
SLD04161	SLD04215					Cesium-137	0.03	0.03	0.02	pCi/g	
SLD04161	SLD04215					Pa-231	-0.28	0.78	0.53	pCi/g	
SLD04161	SLD04215					Potassium-40	11.21	0.28	1.39	pCi/g	
SLD04161	SLD04215					Radium-226	2.63	0.05	0.16	pCi/g	
SLD04161	SLD04215					Radium-228	0.63	0.08	0.09	pCi/g	
SLD04161	SLD04215					Thorium-228	0.63	0.08	0.09	pCi/g	
SLD04161	SLD04215					Thorium-230	-4.88	15.40	10.69	pCi/g	
SLD04161	SLD04215					Thorium-232	0.63	0.08	0.09	pCi/g	
SLD04161	SLD04215					Uranium-235	0.04	0.20	0.16	pCi/g	
SLD04161	SLD04215					Uranium-238	2.00	4.09	1.95	pCi/g	
SLD04161	SLD04269	11/1/99	4.5	5.0	0.5	Actinium-227	0.14	0.16	0.10	pCi/g	0.00
SLD04161	SLD04269					Americium-241	-0.02	0.20	0.12	pCi/g	
SLD04161	SLD04269					Cesium-137	0.02	0.03	0.02	pCi/g	
SLD04161	SLD04269					Pa-231	-0.07	0.75	0.49	pCi/g	
SLD04161	SLD04269					Potassium-40	14.85	0.20	1.77	pCi/g	
SLD04161	SLD04269					Radium-226	0.89	0.04	0.07	pCi/g	
SLD04161	SLD04269					Radium-228	0.90	0.06	0.10	pCi/g	
SLD04161	SLD04269					Thorium-228	0.90	0.06	0.10	pCi/g	
SLD04161	SLD04269					Thorium-230	0.24	14.01	9.45	pCi/g	
SLD04161	SLD04269					Thorium-232	0.90	0.06	0.10	pCi/g	
SLD04161	SLD04269					Uranium-235	0.16	0.17	0.15	pCi/g	
SLD04161	SLD04269					Uranium-238	0.75	3.12	1.37	pCi/g	
SLD04164	SLD04164	11/11/99	0.5	1.0	0.5	Actinium-227	0.09	0.15	0.22	pCi/g	0.18
SLD04164	SLD04164					Americium-241	0.05	0.20	0.30	pCi/g	

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Sample Location	Sample Number	Collection Date	Start Depth (feet) bgs	End Depth (feet) bgs	Thickness of Cover Material (ft)	Parameter	Result	Error	Detection Limit	Units	Sum of Ratios Value
SLD04164	SLD04164					Cesium-137	0.07	0.03	0.04	pCi/g	
SLD04164	SLD04164					Pa-231	-0.23	0.64	0.96	pCi/g	
SLD04164	SLD04164					Potassium-40	11.63	1.48	0.31	pCi/g	
SLD04164	SLD04164					Radium-226	2.18	0.14	0.06	pCi/g	
SLD04164	SLD04164					Radium-228	1.20	0.13	0.10	pCi/g	
SLD04164	SLD04164					Thorium-228	1.49	0.61	0.31	pCi/g	
SLD04164	SLD04164					Thorium-230	2.17	0.76	0.14	pCi/g	
SLD04164	SLD04164					Thorium-232	0.74	0.41	0.26	pCi/g	
SLD04164	SLD04164					Uranium-235	0.52	0.17	0.22	pCi/g	
SLD04164	SLD04164					Uranium-238	8.79	2.14	3.31	pCi/g	
SLD04164	SLD04218	11/11/99	2.0	2.5	0.5	Actinium-227	0.10	0.13	0.19	pCi/g	0.02
SLD04164	SLD04218					Americium-241	-0.10	0.16	0.23	pCi/g	
SLD04164	SLD04218					Cesium-137	-0.01	0.02	0.03	pCi/g	
SLD04164	SLD04218					Pa-231	0.47	0.55	0.89	pCi/g	
SLD04164	SLD04218					Potassium-40	13.47	1.66	0.24	pCi/g	
SLD04164	SLD04218					Radium-226	1.33	0.09	0.06	pCi/g	
SLD04164	SLD04218					Radium-228	0.83	0.10	0.08	pCi/g	
SLD04164	SLD04218					Thorium-228	1.04	0.50	0.34	pCi/g	
SLD04164	SLD04218					Thorium-230	1.53	0.62	0.34	pCi/g	
SLD04164	SLD04218					Thorium-232	0.74	0.40	0.13	pCi/g	
SLD04164	SLD04218					Uranium-235	0.01	0.11	0.19	pCi/g	
SLD04164	SLD04218					Uranium-238	2.18	1.48	3.41	pCi/g	
SLD04164	SLD04272	11/11/99	4.5	5.0	0.5	Actinium-227	-0.03	0.12	0.17	pCi/g	0.02
SLD04164	SLD04272					Americium-241	0.01	0.14	0.22	pCi/g	
SLD04164	SLD04272					Cesium-137	0.00	0.02	0.03	pCi/g	
SLD04164	SLD04272					Pa-231	0.19	0.50	0.78	pCi/g	
SLD04164	SLD04272					Potassium-40	16.59	2.01	0.25	pCi/g	
SLD04164	SLD04272					Radium-226	0.90	0.07	0.05	pCi/g	
SLD04164	SLD04272					Radium-228	0.92	0.10	0.08	pCi/g	
SLD04164	SLD04272					Thorium-228	0.88	0.42	0.12	pCi/g	
SLD04164	SLD04272					Thorium-230	1.37	0.54	0.12	pCi/g	
SLD04164	SLD04272					Thorium-232	0.82	0.41	0.23	pCi/g	
SLD04164	SLD04272					Uranium-235	0.08	0.11	0.19	pCi/g	
SLD04164	SLD04272					Uranium-238	2.20	1.84	4.20	pCi/g	
SLD04165	SLD04165	10/27/99	0.5	1.0	0.5	Actinium-227	0.06	0.19	0.13	pCi/g	0.00
SLD04165	SLD04165					Americium-241	0.07	0.25	0.15	pCi/g	
SLD04165	SLD04165					Cesium-137	0.00	0.03	0.02	pCi/g	
SLD04165	SLD04165					Pa-231	0.19	0.80	0.51	pCi/g	

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Sample Location	Sample Number	Collection Date	Start Depth (feet) bgs	End Depth (feet) bgs	Thickness of Cover Material (ft)	Parameter	Result	Error	Detection Limit	Units	Sum of Ratios Value
SLD04165	SLD04165					Potassium-40	14.50	0.24	1.77	pCi/g	
SLD04165	SLD04165					Radium-226	1.37	0.05	0.10	pCi/g	
SLD04165	SLD04165					Radium-228	0.79	0.08	0.09	pCi/g	
SLD04165	SLD04165					Thorium-228	0.79	0.08	0.09	pCi/g	
SLD04165	SLD04165					Thorium-230	-0.55	15.07	10.18	pCi/g	
SLD04165	SLD04165					Thorium-232	0.79	0.08	0.09	pCi/g	
SLD04165	SLD04165					Uranium-235	0.08	0.19	0.11	pCi/g	
SLD04165	SLD04165					Uranium-238	1.40	3.47	1.39	pCi/g	
SLD04165	SLD04219	10/27/99	2.5	3.0	0.5	Actinium-227	0.03	0.17	0.11	pCi/g	0.00
SLD04165	SLD04219					Americium-241	0.05	0.22	0.15	pCi/g	
SLD04165	SLD04219					Cesium-137	0.02	0.03	0.02	pCi/g	
SLD04165	SLD04219					Pa-231	-0.08	0.73	0.48	pCi/g	
SLD04165	SLD04219					Potassium-40	12.76	0.22	1.57	pCi/g	
SLD04165	SLD04219					Radium-226	1.42	0.05	0.10	pCi/g	
SLD04165	SLD04219					Radium-228	0.78	0.07	0.09	pCi/g	
SLD04165	SLD04219					Thorium-228	0.78	0.07	0.09	pCi/g	
SLD04165	SLD04219					Thorium-230	1.03	14.84	9.20	pCi/g	
SLD04165	SLD04219					Thorium-232	0.78	0.07	0.09	pCi/g	
SLD04165	SLD04219					Uranium-235	0.00	0.18	0.11	pCi/g	
SLD04165	SLD04219					Uranium-238	1.60	3.40	1.58	pCi/g	
SLD04165	SLD04273	10/27/99	5.0	5.5	0.5	Actinium-227	0.08	0.18	0.12	pCi/g	0.23
SLD04165	SLD04273					Americium-241	0.00	0.23	0.14	pCi/g	
SLD04165	SLD04273					Cesium-137	0.03	0.03	0.02	pCi/g	
SLD04165	SLD04273					Pa-231	0.01	0.79	0.52	pCi/g	
SLD04165	SLD04273					Potassium-40	13.67	0.22	1.64	pCi/g	
SLD04165	SLD04273					Radium-226	1.38	0.04	0.09	pCi/g	
SLD04165	SLD04273					Radium-228	0.95	0.07	0.10	pCi/g	
SLD04165	SLD04273					Thorium-228	0.95	0.07	0.10	pCi/g	
SLD04165	SLD04273					Thorium-230	5.49	14.87	9.13	pCi/g	
SLD04165	SLD04273					Thorium-232	0.95	0.07	0.10	pCi/g	
SLD04165	SLD04273					Uranium-235	0.14	0.19	0.14	pCi/g	
SLD04165	SLD04273					Uranium-238	1.08	3.52	1.31	pCi/g	
SLD04166	SLD04166	10/27/99	1.0	1.5	0.5	Actinium-227	0.11	0.15	0.10	pCi/g	0.19
SLD04166	SLD04166					Americium-241	0.05	0.19	0.12	pCi/g	
SLD04166	SLD04166					Cesium-137	0.03	0.02	0.02	pCi/g	
SLD04166	SLD04166					Pa-231	0.17	0.71	0.45	pCi/g	
SLD04166	SLD04166					Potassium-40	11.08	0.22	1.35	pCi/g	
SLD04166	SLD04166					Radium-226	1.34	0.05	0.09	pCi/g	

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Sample Location	Sample Number	Collection Date	Start Depth (feet) bgs	End Depth (feet) bgs	Thickness of Cover Material (ft)	Parameter	Result	Error	Detection Limit	Units	Sum of Ratios Value
SLD04166	SLD04166					Radium-228	0.57	0.07	0.07	pCi/g	
SLD04166	SLD04166					Thorium-228	0.57	0.07	0.07	pCi/g	
SLD04166	SLD04166					Thorium-230	4.56	13.00	8.60	pCi/g	
SLD04166	SLD04166					Thorium-232	0.57	0.07	0.07	pCi/g	
SLD04166	SLD04166					Uranium-235	0.09	0.16	0.12	pCi/g	
SLD04166	SLD04166					Uranium-238	1.82	3.21	1.46	pCi/g	
SLD04166	SLD04220	10/27/99	2.5	3.0	0.5	Actinium-227	0.06	0.15	0.10	pCi/g	0.00
SLD04166	SLD04220					Americium-241	-0.10	0.18	0.12	pCi/g	
SLD04166	SLD04220					Cesium-137	0.02	0.02	0.01	pCi/g	
SLD04166	SLD04220					Pa-231	0.38	0.70	0.43	pCi/g	
SLD04166	SLD04220					Potassium-40	12.02	0.20	1.46	pCi/g	
SLD04166	SLD04220					Radium-226	1.00	0.04	0.07	pCi/g	
SLD04166	SLD04220					Radium-228	0.63	0.06	0.08	pCi/g	
SLD04166	SLD04220					Thorium-228	0.63	0.06	0.08	pCi/g	
SLD04166	SLD04220					Thorium-230	-0.05	12.98	8.07	pCi/g	
SLD04166	SLD04220					Thorium-232	0.63	0.06	0.08	pCi/g	
SLD04166	SLD04220					Uranium-235	0.17	0.15	0.13	pCi/g	
SLD04166	SLD04220					Uranium-238	0.85	3.24	1.12	pCi/g	
SLD04669	SLD04669	11/9/99	3.5	4.0	0.5	Actinium-227	0.88	0.03	0.21	pCi/g	0.36
SLD04669	SLD04669					Americium-241	0.12	0.00	0.12	pCi/g	
SLD04669	SLD04669					Cesium-137	0.04	0.00	0.04	pCi/g	
SLD04669	SLD04669					Pa-231	0.88	0.14	0.91	pCi/g	
SLD04669	SLD04669					Potassium-40	8.77	0.37	0.42	pCi/g	
SLD04669	SLD04669					Radium-226	1.26	0.03	0.09	pCi/g	
SLD04669	SLD04669					Radium-228	0.58	0.03	0.11	pCi/g	
SLD04669	SLD04669					Thorium-228	0.58	0.03	0.11	pCi/g	
SLD04669	SLD04669					Thorium-230	5.30	2.59	11.90	pCi/g	
SLD04669	SLD04669					Thorium-232	0.58	0.03	0.11	pCi/g	
SLD04669	SLD04669					Uranium-235	0.50	0.04	0.33	pCi/g	
SLD04669	SLD04669					Uranium-238	7.98	0.43	0.07	pCi/g	
SLD04669	SLD04670	11/9/99	5.5	6.0	0.5	Actinium-227	0.56	0.00	0.56	pCi/g	0.02
SLD04669	SLD04670					Americium-241	0.12	0.00	0.12	pCi/g	
SLD04669	SLD04670					Cesium-137	0.06	0.00	0.06	pCi/g	
SLD04669	SLD04670					Pa-231	1.86	0.00	1.86	pCi/g	
SLD04669	SLD04670					Potassium-40	7.10	0.39	0.54	pCi/g	
SLD04669	SLD04670					Radium-226	0.79	0.03	0.09	pCi/g	
SLD04669	SLD04670					Radium-228	0.43	0.03	0.15	pCi/g	
SLD04669	SLD04670					Thorium-228	0.43	0.03	0.15	pCi/g	

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Sample Location	Sample Number	Collection Date	Start Depth (feet) bgs	End Depth (feet) bgs	Thickness of Cover Material (ft)	Parameter	Result	Error	Detection Limit	Units	Sum of Ratios Value
SLD04669	SLD04670					Thorium-230	12.70	0.00	12.70	pCi/g	
SLD04669	SLD04670					Thorium-232	0.43	0.03	0.15	pCi/g	
SLD04669	SLD04670					Uranium-235	0.39	0.00	0.39	pCi/g	
SLD04669	SLD04670					Uranium-238	2.45	0.30	1.21	pCi/g	
SLD04669	SLD04671	11/9/99	7.5	8.0	0.5	Actinium-227	0.72	0.00	0.72	pCi/g	0.01
SLD04669	SLD04671					Americium-241	0.14	0.00	0.14	pCi/g	
SLD04669	SLD04671					Cesium-137	0.07	0.00	0.07	pCi/g	
SLD04669	SLD04671					Pa-231	2.05	0.00	2.05	pCi/g	
SLD04669	SLD04671					Potassium-40	8.31	0.44	0.71	pCi/g	
SLD04669	SLD04671					Radium-226	1.71	0.04	0.11	pCi/g	
SLD04669	SLD04671					Radium-228	0.87	0.04	0.19	pCi/g	
SLD04669	SLD04671					Thorium-228	0.87	0.04	0.19	pCi/g	
SLD04669	SLD04671					Thorium-230	14.80	0.00	14.80	pCi/g	
SLD04669	SLD04671					Thorium-232	0.87	0.04	0.19	pCi/g	
SLD04669	SLD04671					Uranium-235	0.43	0.00	0.43	pCi/g	
SLD04669	SLD04671					Uranium-238	2.47	0.33	1.34	pCi/g	
SLD04669	SLD04672	11/9/99	9.5	10.0	0.5	Actinium-227	0.69	0.00	0.69	pCi/g	0.01
SLD04669	SLD04672					Americium-241	0.15	0.00	0.15	pCi/g	
SLD04669	SLD04672					Cesium-137	0.08	0.00	0.08	pCi/g	
SLD04669	SLD04672					Pa-231	2.17	0.00	2.17	pCi/g	
SLD04669	SLD04672					Potassium-40	9.27	0.45	0.68	pCi/g	
SLD04669	SLD04672					Radium-226	2.08	0.04	0.12	pCi/g	
SLD04669	SLD04672					Radium-228	0.81	0.04	0.19	pCi/g	
SLD04669	SLD04672					Thorium-228	0.81	0.04	0.19	pCi/g	
SLD04669	SLD04672					Thorium-230	14.70	0.00	14.70	pCi/g	
SLD04669	SLD04672					Thorium-232	0.81	0.04	0.19	pCi/g	
SLD04669	SLD04672					Uranium-235	0.46	0.00	0.46	pCi/g	
SLD04669	SLD04672					Uranium-238	2.83	0.33	1.33	pCi/g	
SLD04669	SLD04673	11/9/99	13.5	14.0	0.5	Actinium-227	0.68	0.00	0.68	pCi/g	0.00
SLD04669	SLD04673					Americium-241	0.15	0.00	0.15	pCi/g	
SLD04669	SLD04673					Cesium-137	0.07	0.00	0.07	pCi/g	
SLD04669	SLD04673					Pa-231	2.11	0.00	2.11	pCi/g	
SLD04669	SLD04673					Potassium-40	11.54	0.53	0.81	pCi/g	
SLD04669	SLD04673					Radium-226	1.73	0.04	0.12	pCi/g	
SLD04669	SLD04673					Radium-228	0.85	0.04	0.19	pCi/g	
SLD04669	SLD04673					Thorium-228	0.85	0.04	0.19	pCi/g	
SLD04669	SLD04673					Thorium-230	14.30	0.00	14.30	pCi/g	
SLD04669	SLD04673					Thorium-232	0.85	0.04	0.19	pCi/g	

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Sample Location	Sample Number	Collection Date	Start Depth (feet) bgs	End Depth (feet) bgs	Thickness of Cover Material (ft)	Parameter	Result	Error	Detection Limit	Units	Sum of Ratios Value
SLD04669	SLD04673					Uranium-235	0.43	0.00	0.43	pCi/g	
SLD04669	SLD04673					Uranium-238	2.11	0.32	1.32	pCi/g	
SLD04669	SLD04674	11/9/99	18.0	18.5	0.5	Actinium-227	0.57	0.00	0.57	pCi/g	0.00
SLD04669	SLD04674					Americium-241	0.13	0.00	0.13	pCi/g	
SLD04669	SLD04674					Cesium-137	0.06	0.00	0.06	pCi/g	
SLD04669	SLD04674					Pa-231	1.80	0.00	1.80	pCi/g	
SLD04669	SLD04674					Potassium-40	15.67	0.62	0.54	pCi/g	
SLD04669	SLD04674					Radium-226	0.90	0.03	0.10	pCi/g	
SLD04669	SLD04674					Radium-228	0.88	0.04	0.15	pCi/g	
SLD04669	SLD04674					Thorium-228	0.88	0.04	0.15	pCi/g	
SLD04669	SLD04674					Thorium-230	12.10	0.00	12.10	pCi/g	
SLD04669	SLD04674					Thorium-232	0.88	0.04	0.15	pCi/g	
SLD04669	SLD04674					Uranium-235	0.37	0.00	0.37	pCi/g	
SLD04669	SLD04674					Uranium-238	1.48	0.26	1.14	pCi/g	
SLD04669	SLD04675	11/9/99	22.0	22.5	0.5	Actinium-227	0.55	0.00	0.55	pCi/g	0.00
SLD04669	SLD04675					Americium-241	0.12	0.00	0.12	pCi/g	
SLD04669	SLD04675					Cesium-137	0.06	0.00	0.06	pCi/g	
SLD04669	SLD04675					Pa-231	1.78	0.00	1.78	pCi/g	
SLD04669	SLD04675					Potassium-40	14.71	0.59	0.65	pCi/g	
SLD04669	SLD04675					Radium-226	0.99	0.03	0.10	pCi/g	
SLD04669	SLD04675					Radium-228	0.82	0.03	0.13	pCi/g	
SLD04669	SLD04675					Thorium-228	0.82	0.03	0.13	pCi/g	
SLD04669	SLD04675					Thorium-230	11.80	0.00	11.80	pCi/g	
SLD04669	SLD04675					Thorium-232	0.82	0.03	0.13	pCi/g	
SLD04669	SLD04675					Uranium-235	0.36	0.00	0.36	pCi/g	
SLD04669	SLD04675	11/9/99	3.0	3.5	0.5	Uranium-238	1.33	0.25	1.11	pCi/g	
SLD04676	SLD04676					Actinium-227	0.57	0.00	0.57	pCi/g	0.03
SLD04676	SLD04676					Americium-241	0.14	0.00	0.14	pCi/g	
SLD04676	SLD04676					Cesium-137	0.07	0.00	0.07	pCi/g	
SLD04676	SLD04676					Pa-231	1.99	0.00	1.99	pCi/g	
SLD04676	SLD04676					Potassium-40	9.62	0.48	0.71	pCi/g	
SLD04676	SLD04676					Radium-226	1.22	0.03	0.11	pCi/g	
SLD04676	SLD04676					Radium-228	0.49	0.04	0.18	pCi/g	
SLD04676	SLD04676					Thorium-228	0.49	0.04	0.18	pCi/g	
SLD04676	SLD04676					Thorium-230	13.10	0.00	13.10	pCi/g	
SLD04676	SLD04676					Thorium-232	0.49	0.04	0.18	pCi/g	
SLD04676	SLD04676	11/9/99	4.5	5.0	0.5	Uranium-235	0.40	0.00	0.40	pCi/g	

Table J-1
Plants 6EH and 6E
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Sample Location	Sample Number	Collection Date	Start Depth (feet) bgs	End Depth (feet) bgs	Thickness of Cover Material (ft)	Parameter	Result	Error	Detection Limit	Units	Sum of Ratios Value
SLD04676	SLD04676					Uranium-238	3.12	0.32	1.20	pCi/g	
SLD04676	SLD04677					Actinium-227	0.63	0.00	0.63	pCi/g	0.02
SLD04676	SLD04677					Americium-241	0.13	0.00	0.13	pCi/g	
SLD04676	SLD04677					Cesium-137	0.06	0.00	0.06	pCi/g	
SLD04676	SLD04677					Pa-231	1.94	0.00	1.94	pCi/g	
SLD04676	SLD04677					Potassium-40	12.48	0.54	0.61	pCi/g	
SLD04676	SLD04677					Radium-226	1.22	0.03	0.11	pCi/g	
SLD04676	SLD04677					Radium-228	0.72	0.04	0.15	pCi/g	
SLD04676	SLD04677					Thorium-228	0.72	0.04	0.15	pCi/g	
SLD04676	SLD04677					Thorium-230	12.90	0.00	12.90	pCi/g	
SLD04676	SLD04677					Thorium-232	0.72	0.04	0.15	pCi/g	
SLD04676	SLD04677	11/9/99	7.0	7.5	0.5	Uranium-235	0.39	0.00	0.39	pCi/g	
SLD04676	SLD04677					Uranium-238	2.22	0.29	1.20	pCi/g	
SLD04676	SLD04678					Actinium-227	0.60	0.00	0.60	pCi/g	0.00
SLD04676	SLD04678					Americium-241	0.13	0.00	0.13	pCi/g	
SLD04676	SLD04678					Cesium-137	0.06	0.00	0.06	pCi/g	
SLD04676	SLD04678					Pa-231	1.91	0.00	1.91	pCi/g	
SLD04676	SLD04678					Potassium-40	11.25	0.51	0.67	pCi/g	
SLD04676	SLD04678					Radium-226	1.32	0.03	0.10	pCi/g	
SLD04676	SLD04678					Radium-228	0.67	0.04	0.17	pCi/g	
SLD04676	SLD04678					Thorium-228	0.67	0.04	0.17	pCi/g	
SLD04676	SLD04678					Thorium-230	13.00	0.00	13.00	pCi/g	
SLD04676	SLD04678	11/9/99	8.5	9.0	0.5	Thorium-232	0.67	0.04	0.17	pCi/g	
SLD04676	SLD04678					Uranium-235	0.39	0.00	0.39	pCi/g	
SLD04676	SLD04678					Uranium-238	1.87	0.29	1.20	pCi/g	
SLD04676	SLD04679					Actinium-227	0.69	0.00	0.69	pCi/g	0.01
SLD04676	SLD04679					Americium-241	0.15	0.00	0.15	pCi/g	
SLD04676	SLD04679					Cesium-137	0.08	0.00	0.08	pCi/g	
SLD04676	SLD04679					Pa-231	2.14	0.00	2.14	pCi/g	
SLD04676	SLD04679					Potassium-40	12.44	0.55	0.68	pCi/g	
SLD04676	SLD04679					Radium-226	1.98	0.04	0.12	pCi/g	
SLD04676	SLD04679					Radium-228	0.87	0.04	0.13	pCi/g	
SLD04676	SLD04679					Thorium-228	0.87	0.04	0.13	pCi/g	
SLD04676	SLD04679					Thorium-230	14.10	0.00	14.10	pCi/g	
SLD04676	SLD04679	11/9/99	11.0	11.5	0.5	Thorium-232	0.87	0.04	0.13	pCi/g	
SLD04676	SLD04679					Uranium-235	0.44	0.00	0.44	pCi/g	
SLD04676	SLD04679					Uranium-238	2.26	0.31	1.31	pCi/g	

Table 3-1
Plants 6EH and 6E
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Sample Location	Sample Number	Collection Date	Start Depth (feet) bgs	End Depth (feet) bgs	Thickness of Cover Material (ft)	Parameter	Result	Error	Detection Limit	Units	Sum of Ratios Value
SLD04676	SLD04680					Actinium-227	0.52	0.00	0.52	pCi/g	0.01
SLD04676	SLD04680					Americium-241	0.12	0.00	0.12	pCi/g	
SLD04676	SLD04680					Cesium-137	0.06	0.00	0.06	pCi/g	
SLD04676	SLD04680					Pa-231	1.63	0.00	1.63	pCi/g	
SLD04676	SLD04680					Potassium-40	7.02	0.38	0.66	pCi/g	
SLD04676	SLD04680					Radium-226	0.85	0.03	0.10	pCi/g	
SLD04676	SLD04680					Radium-228	0.50	0.03	0.13	pCi/g	
SLD04676	SLD04680					Thorium-228	0.50	0.03	0.13	pCi/g	
SLD04676	SLD04680					Thorium-230	11.10	0.00	11.10	pCi/g	
SLD04676	SLD04680	11/9/99	18.5	19.0	0.5	Thorium-232	0.50	0.03	0.13	pCi/g	
SLD04676	SLD04680					Uranium-235	0.36	0.00	0.36	pCi/g	
SLD04676	SLD04680					Uranium-238	2.32	0.27	1.08	pCi/g	
SLD04676	SLD04681					Actinium-227	0.56	0.00	0.56	pCi/g	0.00
SLD04676	SLD04681					Americium-241	0.13	0.00	0.13	pCi/g	
SLD04676	SLD04681					Cesium-137	0.06	0.00	0.06	pCi/g	
SLD04676	SLD04681					Pa-231	1.87	0.00	1.87	pCi/g	
SLD04676	SLD04681					Potassium-40	16.48	0.66	0.67	pCi/g	
SLD04676	SLD04681					Radium-226	0.85	0.03	0.11	pCi/g	
SLD04676	SLD04681					Radium-228	0.86	0.04	0.16	pCi/g	
SLD04676	SLD04681					Thorium-228	0.86	0.04	0.16	pCi/g	
SLD04676	SLD04681	11/9/99	20.0	20.5		Thorium-230	12.00	0.00	12.00	pCi/g	
SLD04676	SLD04681					Thorium-232	0.86	0.04	0.16	pCi/g	
SLD04676	SLD04681					Uranium-235	0.36	0.00	0.36	pCi/g	
SLD04676	SLD04681					Uranium-238	1.30	0.27	1.16	pCi/g	
SLD04676	SLD04682					Actinium-227	0.71	0.00	0.71	pCi/g	0.00
SLD04676	SLD04682					Americium-241	0.15	0.00	0.15	pCi/g	
SLD04676	SLD04682					Cesium-137	0.08	0.00	0.08	pCi/g	
SLD04676	SLD04682					Pa-231	2.26	0.00	2.26	pCi/g	
SLD04676	SLD04682					Potassium-40	15.42	0.65	0.55	pCi/g	
SLD04676	SLD04682					Radium-226	1.40	0.04	0.11	pCi/g	
SLD04676	SLD04682					Radium-228	0.87	0.05	0.20	pCi/g	
SLD04676	SLD04682					Thorium-228	0.87	0.05	0.20	pCi/g	
SLD04676	SLD04682					Thorium-230	15.00	0.00	15.00	pCi/g	
SLD04676	SLD04682					Thorium-232	0.87	0.05	0.20	pCi/g	
SLD04676	SLD04682					Uranium-235	0.43	0.00	0.43	pCi/g	
SLD04676	SLD04682					Uranium-238	1.69	0.32	1.36	pCi/g	
SLD04842	SLD04842	11/30/99	0.5	1.0	0.5	Actinium-227	0.07	0.06	0.11	pCi/g	0.00
SLD04842	SLD04842					Americium-241	-0.01	0.08	0.14	pCi/g	

Table 3-1
Plants 6EH and 6E
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Sample Location	Sample Number	Collection Date	Start Depth (feet) bgs	End Depth (feet) bgs	Thickness of Cover Material (ft)	Parameter	Result	Error	Detection Limit	Units	Sum of Ratios Value
SLD04842	SLD04842					Cesium-137	0.00	0.01	0.02	pCi/g	
SLD04842	SLD04842					Pa-231	-0.07	0.31	0.47	pCi/g	
SLD04842	SLD04842					Potassium-40	5.54	0.72	0.60	pCi/g	
SLD04842	SLD04842					Radium-226	0.86	0.06	0.03	pCi/g	
SLD04842	SLD04842					Radium-228	0.31	0.05	0.04	pCi/g	
SLD04842	SLD04842					Thorium-228	0.31	0.05	0.04	pCi/g	
SLD04842	SLD04842					Thorium-230	-0.58	6.25	9.27	pCi/g	
SLD04842	SLD04842					Thorium-232	0.26	0.05	0.05	pCi/g	
SLD04842	SLD04842					Uranium-235	0.04	0.07	0.12	pCi/g	
SLD04842	SLD04842					Uranium-238	0.82	0.82	2.08	pCi/g	
SLD04842	SLD04843	11/30/99	1.5	2.0		Actinium-227	0.02	0.07	0.11	pCi/g	0.06
SLD04842	SLD04843					Americium-241	0.00	0.09	0.14	pCi/g	
SLD04842	SLD04843					Cesium-137	0.00	0.01	0.02	pCi/g	
SLD04842	SLD04843					Pa-231	-0.29	0.33	0.47	pCi/g	
SLD04842	SLD04843					Potassium-40	5.54	0.72	0.60	pCi/g	
SLD04842	SLD04843					Radium-226	0.86	0.06	0.03	pCi/g	
SLD04842	SLD04843					Radium-228	0.31	0.05	0.04	pCi/g	
SLD04842	SLD04843					Thorium-228	0.31	0.05	0.04	pCi/g	
SLD04842	SLD04843					Thorium-230	2.68	6.10	9.30	pCi/g	
SLD04842	SLD04843					Thorium-232	0.31	0.05	0.04	pCi/g	
SLD04842	SLD04843					Uranium-235	0.05	0.07	0.12	pCi/g	
SLD04842	SLD04843					Uranium-238	1.84	1.05	2.16	pCi/g	
SLD04844	SLD04844	11/30/99	0.5	3.0	0.5	Actinium-227	0.05	0.09	0.14	pCi/g	0.00
SLD04844	SLD04844					Americium-241	0.00	0.10	0.17	pCi/g	
SLD04844	SLD04844					Cesium-137	0.02	0.02	0.02	pCi/g	
SLD04844	SLD04844					Pa-231	0.31	0.36	0.59	pCi/g	
SLD04844	SLD04844					Potassium-40	7.23	0.91	0.13	pCi/g	
SLD04844	SLD04844					Radium-226	0.90	0.06	0.03	pCi/g	
SLD04844	SLD04844					Radium-228	0.35	0.06	0.05	pCi/g	
SLD04844	SLD04844					Thorium-228	0.35	0.06	0.05	pCi/g	
SLD04844	SLD04844					Thorium-230	-2.50	7.67	11.18	pCi/g	
SLD04844	SLD04844					Thorium-232	0.35	0.06	0.05	pCi/g	
SLD04844	SLD04844					Uranium-235	0.07	0.08	0.13	pCi/g	
SLD04844	SLD04844					Uranium-238	1.21	1.18	2.53	pCi/g	
SLD04844	SLD04845	11/30/99	0.2	2.5		Actinium-227	0.05	0.08	0.12	pCi/g	0.00
SLD04844	SLD04845					Americium-241	-0.05	0.11	0.15	pCi/g	
SLD04844	SLD04845					Cesium-137	0.02	0.02	0.02	pCi/g	
SLD04844	SLD04845					Pa-231	-0.08	0.36	0.54	pCi/g	

Table J-1
Plants 6EH and 6E
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Sample Location	Sample Number	Collection Date	Start Depth (feet) bgs	End Depth (feet) bgs	Thickness of Cover Material (ft)	Parameter	Result	Error	Detection Limit	Units	Sum of Ratios Value
SLD04844	SLD04845					Potassium-40	7.23	0.91	0.13	pCi/g	
SLD04844	SLD04845					Radium-226	0.90	0.06	0.03	pCi/g	
SLD04844	SLD04845					Radium-228	0.35	0.06	0.05	pCi/g	
SLD04844	SLD04845					Thorium-228	0.35	0.06	0.05	pCi/g	
SLD04844	SLD04845					Thorium-230	-0.47	6.30	10.14	pCi/g	
SLD04844	SLD04845					Thorium-232	0.35	0.06	0.05	pCi/g	
SLD04844	SLD04845					Uranium-235	0.07	0.08	0.13	pCi/g	
SLD04844	SLD04845					Uranium-238	1.21	1.18	2.53	pCi/g	
SLD04846	SLD04846	11/30/99	0.5	1.0	0.5	Actinium-227	0.06	0.07	0.11	pCi/g	0.00
SLD04846	SLD04846					Americium-241	0.05	0.09	0.14	pCi/g	
SLD04846	SLD04846					Cesium-137	0.00	0.01	0.02	pCi/g	
SLD04846	SLD04846					Pa-231	-0.07	0.32	0.48	pCi/g	
SLD04846	SLD04846					Potassium-40	5.00	0.67	0.16	pCi/g	
SLD04846	SLD04846					Radium-226	0.83	0.06	0.03	pCi/g	
SLD04846	SLD04846					Radium-228	0.25	0.04	0.04	pCi/g	
SLD04846	SLD04846					Thorium-228	0.25	0.04	0.04	pCi/g	
SLD04846	SLD04846					Thorium-230	-1.35	5.84	9.34	pCi/g	
SLD04846	SLD04846					Thorium-232	0.25	0.04	0.04	pCi/g	
SLD04846	SLD04846					Uranium-235	0.21	0.12	0.13	pCi/g	
SLD04846	SLD04846					Uranium-238	0.57	0.86	2.04	pCi/g	
SLD04846	SLD04847	11/30/99	2.0	2.5	0.5	Actinium-227	0.04	0.07	0.11	pCi/g	0.00
SLD04846	SLD04847					Americium-241	0.00	0.09	0.14	pCi/g	
SLD04846	SLD04847					Cesium-137	0.01	0.01	0.02	pCi/g	
SLD04846	SLD04847					Pa-231	-0.05	0.32	0.49	pCi/g	
SLD04846	SLD04847					Potassium-40	4.48	0.62	0.15	pCi/g	
SLD04846	SLD04847					Radium-226	0.82	0.06	0.03	pCi/g	
SLD04846	SLD04847					Radium-228	0.23	0.04	0.05	pCi/g	
SLD04846	SLD04847					Thorium-228	0.23	0.04	0.05	pCi/g	
SLD04846	SLD04847					Thorium-230	0.73	6.16	9.25	pCi/g	
SLD04846	SLD04847					Thorium-232	0.23	0.04	0.05	pCi/g	
SLD04846	SLD04847					Uranium-235	0.04	0.08	0.12	pCi/g	
SLD04846	SLD04847					Uranium-238	1.26	1.06	2.43	pCi/g	
SLD05002	SLD05002	2/9/00	1.5	2.0	0.5	Actinium-227	0.05	0.10	0.15	pCi/g	0.04
SLD05002	SLD05002					Americium-241	0.06	0.05	0.09	pCi/g	
SLD05002	SLD05002					Cesium-137	0.01	0.01	0.02	pCi/g	
SLD05002	SLD05002					Pa-231	-0.29	0.40	0.58	pCi/g	
SLD05002	SLD05002					Potassium-40	9.22	1.02	0.23	pCi/g	
SLD05002	SLD05002					Radium-226	0.94	0.06	0.04	pCi/g	

Table 3-1
Plants 6EH and 6E
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Sample Location	Sample Number	Collection Date	Start Depth (feet) bgs	End Depth (feet) bgs	Thickness of Cover Material (ft)	Parameter	Result	Error	Detection Limit	Units	Sum of Ratios Value
SLD05002	SLD05002					Radium-228	0.45	0.07	0.06	pCi/g	
SLD05002	SLD05002					Thorium-228	1.21	0.50	0.22	pCi/g	
SLD05002	SLD05002					Thorium-230	1.60	0.58	0.22	pCi/g	
SLD05002	SLD05002					Thorium-232	1.30	0.52	0.12	pCi/g	
SLD05002	SLD05002					Uranium-235	0.05	0.09	0.15	pCi/g	
SLD05002	SLD05002					Uranium-238	2.37	0.74	2.65	pCi/g	
SLD05002	SLD05006	2/9/00	4.0	4.5		Actinium-227	0.54	0.19	0.32	pCi/g	0.16
SLD05002	SLD05006					Americium-241	0.06	0.11	0.18	pCi/g	
SLD05002	SLD05006					Cesium-137	-0.01	0.03	0.04	pCi/g	
SLD05002	SLD05006					Pa-231	-0.79	0.89	1.29	pCi/g	
SLD05002	SLD05006					Potassium-40	12.21	1.43	0.46	pCi/g	
SLD05002	SLD05006					Radium-226	3.66	0.20	0.09	pCi/g	
SLD05002	SLD05006					Radium-228	1.36	0.15	0.12	pCi/g	
SLD05002	SLD05006					Thorium-228	1.90	0.69	0.36	pCi/g	
SLD05002	SLD05006					Thorium-230	3.82	1.06	0.24	pCi/g	
SLD05002	SLD05006					Thorium-232	1.31	0.55	0.13	pCi/g	
SLD05002	SLD05006					Uranium-235	0.05	0.09	0.15	pCi/g	
SLD05002	SLD05006					Uranium-238	1.82	0.70	2.82	pCi/g	
SLD05002	SLD05007	2/9/00	6.0	6.5		Actinium-227	0.22	0.15	0.23	pCi/g	0.01
SLD05002	SLD05007					Americium-241	0.07	0.08	0.13	pCi/g	
SLD05002	SLD05007					Cesium-137	-0.01	0.02	0.03	pCi/g	
SLD05002	SLD05007					Pa-231	-0.20	0.60	0.91	pCi/g	
SLD05002	SLD05007					Potassium-40	13.90	1.52	0.30	pCi/g	
SLD05002	SLD05007					Radium-226	1.48	0.09	0.06	pCi/g	
SLD05002	SLD05007					Radium-228	0.98	0.11	0.10	pCi/g	
SLD05002	SLD05007					Thorium-228	1.19	0.55	0.31	pCi/g	
SLD05002	SLD05007					Thorium-230	1.89	0.71	0.14	pCi/g	
SLD05002	SLD05007					Thorium-232	1.03	0.50	0.26	pCi/g	
SLD05002	SLD05007					Uranium-235	0.36	0.18	0.24	pCi/g	
SLD05002	SLD05007					Uranium-238	1.59	0.92	4.42	pCi/g	
SLD05002	SLD05008	2/9/00	10.0	10.5		Actinium-227	0.39	0.15	0.24	pCi/g	0.00
SLD05002	SLD05008					Americium-241	0.04	0.08	0.13	pCi/g	
SLD05002	SLD05008					Cesium-137	-0.01	0.02	0.04	pCi/g	
SLD05002	SLD05008					Pa-231	-0.25	0.64	0.96	pCi/g	
SLD05002	SLD05008					Potassium-40	17.48	1.83	0.26	pCi/g	
SLD05002	SLD05008					Radium-226	1.01	0.07	0.06	pCi/g	
SLD05002	SLD05008					Radium-228	1.08	0.11	0.09	pCi/g	
SLD05002	SLD05008					Thorium-228	1.48	0.58	0.23	pCi/g	

Table 3-1
Plants 6EH and 6E
Pre-Design Investigation Radionuclide Analytical Results
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Sample Location	Sample Number	Collection Date	Start Depth (feet) bgs	End Depth (feet) bgs	Thickness of Cover Material (ft)	Parameter	Result	Error	Detection Limit	Units	Sum of Ratios Value
SLD05002	SLD05008					Thorium-230	1.25	0.52	0.13	pCi/g	
SLD05002	SLD05008					Thorium-232	1.15	0.50	0.23	pCi/g	
SLD05002	SLD05008					Uranium-235	0.03	0.12	0.20	pCi/g	
SLD05002	SLD05008					Uranium-238	1.00	0.90	4.57	pCi/g	
SLD05003	SLD05003	2/9/00	2.0	2.5	0.5	Actinium-227	0.04	0.10	0.15	pCi/g	0.00
SLD05003	SLD05003					Americium-241	0.00	0.06	0.09	pCi/g	
SLD05003	SLD05003					Cesium-137	0.00	0.01	0.03	pCi/g	
SLD05003	SLD05003					Pa-231	0.15	0.41	0.65	pCi/g	
SLD05003	SLD05003					Potassium-40	10.74	1.15	0.17	pCi/g	
SLD05003	SLD05003					Radium-226	0.99	0.06	0.04	pCi/g	
SLD05003	SLD05003					Radium-228	0.55	0.07	0.06	pCi/g	
SLD05003	SLD05003					Thorium-228	0.89	0.43	0.27	pCi/g	
SLD05003	SLD05003					Thorium-230	2.84	0.85	0.23	pCi/g	
SLD05003	SLD05003					Thorium-232	0.90	0.43	0.12	pCi/g	
SLD05003	SLD05003					Uranium-235	0.10	0.09	0.16	pCi/g	
SLD05003	SLD05003					Uranium-238	1.15	0.81	3.56	pCi/g	
SLD05003	SLD05009	2/9/00	4.0	4.5		Actinium-227	0.13	0.11	0.17	pCi/g	0.01
SLD05003	SLD05009					Americium-241	0.02	0.06	0.10	pCi/g	
SLD05003	SLD05009					Cesium-137	0.00	0.02	0.03	pCi/g	
SLD05003	SLD05009					Pa-231	0.24	0.62	0.74	pCi/g	
SLD05003	SLD05009					Potassium-40	11.80	1.27	0.25	pCi/g	
SLD05003	SLD05009					Radium-226	0.99	0.07	0.05	pCi/g	
SLD05003	SLD05009					Radium-228	0.72	0.08	0.07	pCi/g	
SLD05003	SLD05009					Thorium-228	0.81	0.41	0.23	pCi/g	
SLD05003	SLD05009					Thorium-230	1.58	0.59	0.12	pCi/g	
SLD05003	SLD05009					Thorium-232	0.68	0.37	0.12	pCi/g	
SLD05003	SLD05009					Uranium-235	0.12	0.14	0.16	pCi/g	
SLD05003	SLD05009					Uranium-238	1.22	0.72	3.51	pCi/g	
SLD05003	SLD05010	2/9/00	6.0	6.5		Actinium-227	0.27	0.14	0.22	pCi/g	0.01
SLD05003	SLD05010					Americium-241	0.02	0.07	0.12	pCi/g	
SLD05003	SLD05010					Cesium-137	-0.02	0.02	0.03	pCi/g	
SLD05003	SLD05010					Pa-231	0.32	0.56	0.89	pCi/g	
SLD05003	SLD05010					Potassium-40	14.65	1.55	0.27	pCi/g	
SLD05003	SLD05010					Radium-226	1.25	0.08	0.06	pCi/g	
SLD05003	SLD05010					Radium-228	0.96	0.10	0.08	pCi/g	
SLD05003	SLD05010					Thorium-228	1.36	0.53	0.12	pCi/g	
SLD05003	SLD05010					Thorium-230	1.79	0.63	0.12	pCi/g	
SLD05003	SLD05010					Thorium-232	0.87	0.41	0.12	pCi/g	

Table 3-1
Plants 6EH and 6E
Pre-Design Investigation Radionuclide Analytical Results
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Sample Location	Sample Number	Collection Date	Start Depth (feet) bgs	End Depth (feet) bgs	Thickness of Cover Material (ft)	Parameter	Result	Error	Detection Limit	Units	Sum of Ratios Value
SLD05003	SLD05010					Uranium-235	0.16	0.12	0.19	pCi/g	
SLD05003	SLD05010					Uranium-238	1.64	0.96	4.00	pCi/g	
SLD05003	SLD05011	2/9/00	10.0	10.5		Actinium-227	0.36	0.16	0.26	pCi/g	0.02
SLD05003	SLD05011					Americium-241	0.05	0.09	0.14	pCi/g	
SLD05003	SLD05011					Cesium-137	-0.01	0.02	0.04	pCi/g	
SLD05003	SLD05011					Pa-231	0.72	0.65	1.08	pCi/g	
SLD05003	SLD05011					Potassium-40	17.76	1.90	0.33	pCi/g	
SLD05003	SLD05011					Radium-226	1.14	0.08	0.07	pCi/g	
SLD05003	SLD05011					Radium-228	1.25	0.13	0.10	pCi/g	
SLD05003	SLD05011					Thorium-228	1.01	0.47	0.34	pCi/g	
SLD05003	SLD05011					Thorium-230	1.50	0.58	0.23	pCi/g	
SLD05003	SLD05011					Thorium-232	1.00	0.46	0.12	pCi/g	
SLD05003	SLD05011					Uranium-235	0.04	0.13	0.23	pCi/g	
SLD05003	SLD05011					Uranium-238	1.31	1.11	5.14	pCi/g	
SLD05004	SLD05004	2/9/00	2.0	2.5	0.5	Actinium-227	0.15	0.12	0.19	pCi/g	0.00
SLD05004	SLD05004					Americium-241	-0.02	0.07	0.11	pCi/g	
SLD05004	SLD05004					Cesium-137	0.00	0.02	0.03	pCi/g	
SLD05004	SLD05004					Pa-231	0.33	0.59	0.73	pCi/g	
SLD05004	SLD05004					Potassium-40	11.75	1.30	0.23	pCi/g	
SLD05004	SLD05004					Radium-226	1.09	0.08	0.05	pCi/g	
SLD05004	SLD05004					Radium-228	0.60	0.08	0.08	pCi/g	
SLD05004	SLD05004					Thorium-228	0.97	0.45	0.22	pCi/g	
SLD05004	SLD05004					Thorium-230	1.68	0.61	0.22	pCi/g	
SLD05004	SLD05004					Thorium-232	0.88	0.42	0.22	pCi/g	
SLD05004	SLD05004					Uranium-235	0.06	0.11	0.19	pCi/g	
SLD05004	SLD05004					Uranium-238	1.22	1.07	3.94	pCi/g	
SLD05004	SLD05012	2/9/00	4.0	4.5		Actinium-227	0.15	0.15	0.22	pCi/g	0.02
SLD05004	SLD05012					Americium-241	0.00	0.08	0.13	pCi/g	
SLD05004	SLD05012					Cesium-137	0.01	0.02	0.04	pCi/g	
SLD05004	SLD05012					Pa-231	-0.44	0.63	0.92	pCi/g	
SLD05004	SLD05012					Potassium-40	12.70	1.43	0.28	pCi/g	
SLD05004	SLD05012					Radium-226	1.54	0.10	0.06	pCi/g	
SLD05004	SLD05012					Radium-228	0.81	0.10	0.09	pCi/g	
SLD05004	SLD05012					Thorium-228	1.31	0.52	0.12	pCi/g	
SLD05004	SLD05012					Thorium-230	1.42	0.55	0.22	pCi/g	
SLD05004	SLD05012					Thorium-232	1.08	0.46	0.12	pCi/g	
SLD05004	SLD05012					Uranium-235	0.17	0.17	0.22	pCi/g	

Table J-1
Plants 6EH and 6E
Pre-Design Investigation Radionuclide Analytical Results
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Sample Location	Sample Number	Collection Date	Start Depth (feet) bgs	End Depth (feet) bgs	Thickness of Cover Material (ft)	Parameter	Result	Error	Detection Limit	Units	Sum of Ratios Value
SLD05004	SLD05012					Uranium-238	1.88	0.98	4.52	pCi/g	
SLD05004	SLD05013					Actinium-227	0.17	0.14	0.27	pCi/g	0.03
SLD05004	SLD05013	2/9/00	6.0	6.5		Americium-241	0.01	0.09	0.15	pCi/g	
SLD05004	SLD05013					Cesium-137	-0.03	0.02	0.04	pCi/g	
SLD05004	SLD05013					Pa-231	-0.78	0.66	1.09	pCi/g	
SLD05004	SLD05013					Potassium-40	12.97	1.54	0.37	pCi/g	
SLD05004	SLD05013					Radium-226	1.64	0.11	0.07	pCi/g	
SLD05004	SLD05013					Radium-228	0.96	0.12	0.11	pCi/g	
SLD05004	SLD05013					Thorium-228	1.10	0.45	0.20	pCi/g	
SLD05004	SLD05013					Thorium-230	1.74	0.59	0.11	pCi/g	
SLD05004	SLD05013					Thorium-232	0.71	0.35	0.11	pCi/g	
SLD05004	SLD05013					Uranium-235	-0.01	0.16	0.24	pCi/g	
SLD05004	SLD05013					Uranium-238	2.73	1.21	3.97	pCi/g	
SLD05004	SLD05014	2/9/00	10.0	10.5		Actinium-227	0.21	0.16	0.25	pCi/g	0.06
SLD05004	SLD05014					Americium-241	0.10	0.09	0.13	pCi/g	
SLD05004	SLD05014					Cesium-137	0.01	0.02	0.04	pCi/g	
SLD05004	SLD05014					Pa-231	0.33	0.71	1.00	pCi/g	
SLD05004	SLD05014					Potassium-40	18.58	1.96	0.31	pCi/g	
SLD05004	SLD05014					Radium-226	1.19	0.09	0.06	pCi/g	
SLD05004	SLD05014					Radium-228	1.31	0.13	0.10	pCi/g	
SLD05004	SLD05014					Thorium-228	2.28	0.78	0.39	pCi/g	
SLD05004	SLD05014					Thorium-230	1.90	0.70	0.33	pCi/g	
SLD05004	SLD05014					Thorium-232	1.41	0.58	0.30	pCi/g	
SLD05004	SLD05014					Uranium-235	-0.01	0.16	0.24	pCi/g	
SLD05004	SLD05014					Uranium-238	2.73	1.21	3.97	pCi/g	
SLD05005	SLD05005	2/9/00	2.0	2.5	0.5	Actinium-227	0.23	0.10	0.16	pCi/g	0.01
SLD05005	SLD05005					Americium-241	0.00	0.06	0.09	pCi/g	
SLD05005	SLD05005					Cesium-137	0.02	0.01	0.03	pCi/g	
SLD05005	SLD05005					Pa-231	-0.18	0.63	0.68	pCi/g	
SLD05005	SLD05005					Potassium-40	9.71	1.07	0.19	pCi/g	
SLD05005	SLD05005					Radium-226	1.00	0.07	0.04	pCi/g	
SLD05005	SLD05005					Radium-228	0.49	0.07	0.06	pCi/g	
SLD05005	SLD05005					Thorium-228	0.48	0.31	0.29	pCi/g	
SLD05005	SLD05005					Thorium-230	1.65	0.60	0.26	pCi/g	
SLD05005	SLD05005					Thorium-232	0.60	0.33	0.12	pCi/g	
SLD05005	SLD05005					Uranium-235	0.05	0.09	0.15	pCi/g	
SLD05005	SLD05005					Uranium-238	1.82	0.70	2.82	pCi/g	

Table 3-1
Plants 6EH and 6E
Pre-Design Investigation Radionuclide Analytical Results
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Sample Location	Sample Number	Collection Date	Start Depth (feet) bgs	End Depth (feet) bgs	Thickness of Cover Material (ft)	Parameter	Result	Error	Detection Limit	Units	Sum of Ratios Value
SLD05005	SLD05015	2/9/00	4.0	4.5		Actinium-227	0.22	0.11	0.17	pCi/g	0.00
SLD05005	SLD05015					Americium-241	0.02	0.13	0.20	pCi/g	
SLD05005	SLD05015					Cesium-137	0.00	0.02	0.02	pCi/g	
SLD05005	SLD05015					Pa-231	-0.01	0.44	0.68	pCi/g	
SLD05005	SLD05015					Potassium-40	12.92	1.49	0.21	pCi/g	
SLD05005	SLD05015					Radium-226	1.01	0.08	0.04	pCi/g	
SLD05005	SLD05015					Radium-228	0.66	0.08	0.07	pCi/g	
SLD05005	SLD05015					Thorium-228	1.03	0.48	0.25	pCi/g	
SLD05005	SLD05015					Thorium-230	1.32	0.56	0.25	pCi/g	
SLD05005	SLD05015					Thorium-232	1.02	0.48	0.25	pCi/g	
SLD05005	SLD05015					Uranium-235	0.04	0.10	0.17	pCi/g	
SLD05005	SLD05015					Uranium-238	1.64	1.17	2.56	pCi/g	
SLD05005	SLD05016	2/9/00	5.5	6.0		Actinium-227	0.07	0.07	0.11	pCi/g	0.00
SLD05005	SLD05016					Americium-241	0.11	0.08	0.14	pCi/g	
SLD05005	SLD05016					Cesium-137	0.00	0.01	0.02	pCi/g	
SLD05005	SLD05016					Pa-231	0.03	0.32	0.49	pCi/g	
SLD05005	SLD05016					Potassium-40	15.43	1.70	0.14	pCi/g	
SLD05005	SLD05016					Radium-226	0.31	0.03	0.03	pCi/g	
SLD05005	SLD05016					Radium-228	0.31	0.05	0.05	pCi/g	
SLD05005	SLD05016					Thorium-228	0.95	0.45	0.28	pCi/g	
SLD05005	SLD05016					Thorium-230	0.49	0.32	0.23	pCi/g	
SLD05005	SLD05016					Thorium-232	0.69	0.37	0.12	pCi/g	
SLD05005	SLD05016					Uranium-235	0.01	0.06	0.10	pCi/g	
SLD05005	SLD05016					Uranium-238	1.06	0.91	2.47	pCi/g	
SLD05005	SLD05017	2/9/00	10.0	10.5		Actinium-227	0.01	0.14	0.20	pCi/g	0.01
SLD05005	SLD05017					Americium-241	0.05	0.17	0.27	pCi/g	
SLD05005	SLD05017					Cesium-137	-0.01	0.02	0.03	pCi/g	
SLD05005	SLD05017					Pa-231	0.50	0.65	0.89	pCi/g	
SLD05005	SLD05017					Potassium-40	15.26	1.77	0.28	pCi/g	
SLD05005	SLD05017					Radium-226	1.02	0.08	0.06	pCi/g	
SLD05005	SLD05017					Radium-228	1.06	0.12	0.08	pCi/g	
SLD05005	SLD05017					Thorium-228	1.03	0.48	0.24	pCi/g	
SLD05005	SLD05017					Thorium-230	1.68	0.63	0.24	pCi/g	
SLD05005	SLD05017					Thorium-232	1.08	0.48	0.13	pCi/g	
SLD05005	SLD05017					Uranium-235	0.00	0.12	0.20	pCi/g	
SLD05005	SLD05017					Uranium-238	1.60	2.06	4.06	pCi/g	

Table 3-1
Plants 6EH and 6E
Pre-Design Investigation Radionuclide Analytical Results
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Sample Location	Sample Number	Collection Date	Start Depth (feet) bgs	End Depth (feet) bgs	Thickness of Cover Material (ft)	Parameter	Result	Error	Detection Limit	Units	Sum of Ratios Value
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pCi/g - Picocuries per gram

Table 3-2
Plant 6EH and 6E
Pre-Design Investigation Metals Sampling Analytical Results

Boring Number	Sample Number	Collection Date	Start Depth (feet)	End Depth (feet)	Parameter	Result	Detection Limit	Units
SLD02601	SLD02601	8/17/99	0.8	2.5	Arsenic	10.1		mg/kg
					Cadmium	2.2		mg/kg
SLD02609	SLD02763	8/24/99	7.5	8	Arsenic	7.7		mg/kg
					Cadmium	0.5		mg/kg
SLD02640	SLD03327	8/18/99	13	13.5	Arsenic	11		mg/kg
					Cadmium	0.07		mg/kg
SLD02659	SLD02659	8/12/99	1	2	Arsenic	4.5		mg/kg
					Cadmium	0.04		mg/kg
SLD02669	SLD02669	8/23/99	1.5	2	Arsenic	7.1		mg/kg
					Cadmium	1.8		mg/kg
SLD02676	SLD03221	8/12/99	16.5	17	Arsenic	6.2		mg/kg
					Cadmium	0.04		mg/kg
SLD02677	SLD03318	8/16/99	14.5	15	Arsenic	7		mg/kg
					Cadmium	0.07		mg/kg
SLD02604	SLD02681	8/17/99	3	3.5	Arsenic	5.2		mg/kg
					Cadmium	0.32		mg/kg
SLD02666	SLD02743	8/18/99	3	3.5	Arsenic	5.5		mg/kg
					Cadmium	0.03		mg/kg
SLD02629	SLD02783	8/18/99	6	6.5	Arsenic	19.9		mg/kg
					Cadmium	0.04		mg/kg
SLD04119	SLD04119	10/28/99	1	1.5	Arsenic	12.9		mg/kg
					Cadmium	0.04		mg/kg
SLD04150	SLD04150	11/8/99	0.5	1	Arsenic	7.7		mg/kg
					Cadmium	0.13		mg/kg
SLD04157	SLD04157	10/28/99	1	1.5	Arsenic	22.8		mg/kg
					Cadmium	0.51		mg/kg
SLD04138	SLD04191	11/1/99	2.5	3	Arsenic	49.2		mg/kg
					Cadmium	0.43		mg/kg
SLD04141	SLD04195	10/26/99	2.5	3	Arsenic	6.2		mg/kg
					Cadmium	0.27		mg/kg
SLD04165	SLD04219	10/27/99	2.5	3	Arsenic	6.3		mg/kg
					Cadmium	0.23		mg/kg

Table 3-2
Plant 6EH and 6E
Pre-Design Investigation Metals Sampling Analytical Results

Boring Number	Sample Number	Collection Date	Start Depth (feet)	End Depth (feet)	Parameter	Result	Detection Limit	Units
SLD04125	SLD04233	10/26/99	4.5	5	Arsenic	6.1		mg/kg
					Cadmium	0.2		mg/kg
SLD04143	SLD04251	11/2/99	4.5	5	Arsenic	14.7		mg/kg
					Cadmium	0.03		mg/kg
SLD04147	SLD04255	11/1/99	4.5	5	Arsenic	10.2		mg/kg
					Cadmium	0.04		mg/kg
SLD04152	SLD04260	11/2/99	5	5.5	Arsenic	6.9		mg/kg
					Cadmium	0.04		mg/kg

mg/kg – milligrams per kilogram

ND-Not detected above laboratory analytical detection limits

Table 3-3
Summary of Pre-Design Investigation Geotechnical Testing Parameters

Physical Testing Parameter	Test Method	Number of Tests
Moisture Content	ASTM ^a D2216-92	8
Unconfined Compressive Strength	ASTM D2166-91	8
Atterberg Limits	ASTM D 4318-95a	8

^a American Society for Testing and Materials

Table 5-1
Pre-Design Investigation Waste Characterization Sampling Analytical Results

Sample Location	Sample Number	Collection Date	Start Depth (feet)	End Depth (feet)	Parameter	Result	Detection Limit	Units
SLD03380	SLD03388	9/15/99	composite	composite	1,1-Dichloroethene	ND	0.005	mg/L
					1,2-Dichloroethane	ND	0.005	mg/L
					1,4-Dichlorobenzene	ND	0.05	mg/L
					2,4,5-TP (Silvex)	ND	0.01	mg/L
					2,4-D	ND	0.04	mg/L
					2-Butanone	0.007	2	mg/L
					Aroclor-1016	ND	45	ug/kg
					Aroclor-1221	ND	45	ug/kg
					Aroclor-1232	ND	45	ug/kg
					Aroclor-1242	ND	45	ug/kg
					Aroclor-1248	ND	45	ug/kg
					Aroclor-1254	ND	45	ug/kg
					Aroclor-1260	ND	45	ug/kg
					Arsenic	0.035	1.2	mg/L
					Barium	0.3	0.8	mg/L
					Benzene	ND	0.005	mg/L
					Cadmium	0.0024	0.2	mg/L
					Carbon Tetrachloride	ND	0.005	mg/L
					Chlordane	ND	0.025	mg/L
					Chlorobenzene	ND	1	mg/L
					Chloroform	ND	0.06	mg/L
					Chromium	ND	0.04	mg/L
					Copper	ND	0.1	mg/L
					Endrin	ND	0.5	mg/L
					Flashpoint	>85.0	--	Deg. C
					Gamma-BHC (Lindane)	ND	0.0005	mg/L
					Heptachlor	ND	0.0005	mg/L
					Heptachlor Epoxide	ND	0.0005	mg/L
					Lead	0.4	0.4	mg/L
					Mercury	ND	0.0008	mg/L
					Methoxychlor	ND	0.001	mg/L
					Nickel	0.3	0.2	mg/L
					Paint Filter	pass	--	--
					pH	6.9	--	pH unts
					Reactive Cyanide	ND	0.01	mg/kg

Table 5-1
Pre-Design Investigation Waste Characterization Sampling Analytical Results

Sample Location	Sample Number	Collection Date	Start Depth (feet)	End Depth (feet)	Parameter	Result	Detection Limit	Units
					Reactive Sulfide	ND	4.44	mg/kg
					Selenium	ND	1	mg/L
					Silver	ND	0.04	mg/L
					Tetrachloroethene	ND	0.007	mg/L
					Toxaphene	ND	0.002	mg/L
					TPH - DRO	ND	34	mg/kg
					TPH - GRO	ND	0.5	mg/kg
					Vinyl Chloride	ND	0.02	mg/L
					Zinc	0.17	0.08	mg/L

mg/L- milligrams per Liter

ug/kg- micrograms per kilogram

mg/kg – milligrams per kilogram

ND-Not detected above laboratory analytical detection limits

TPH-(DRO) - Total Petroleum Hydrocarbons - Diesel Range Organics

TPH-(GRO) - Total Petroleum Hydrocarbons - Gasoline Range Organics

Analytical Methods:

TCLP Pesticides- EPA 8080

TCLP Volatiles- EPA 8260A

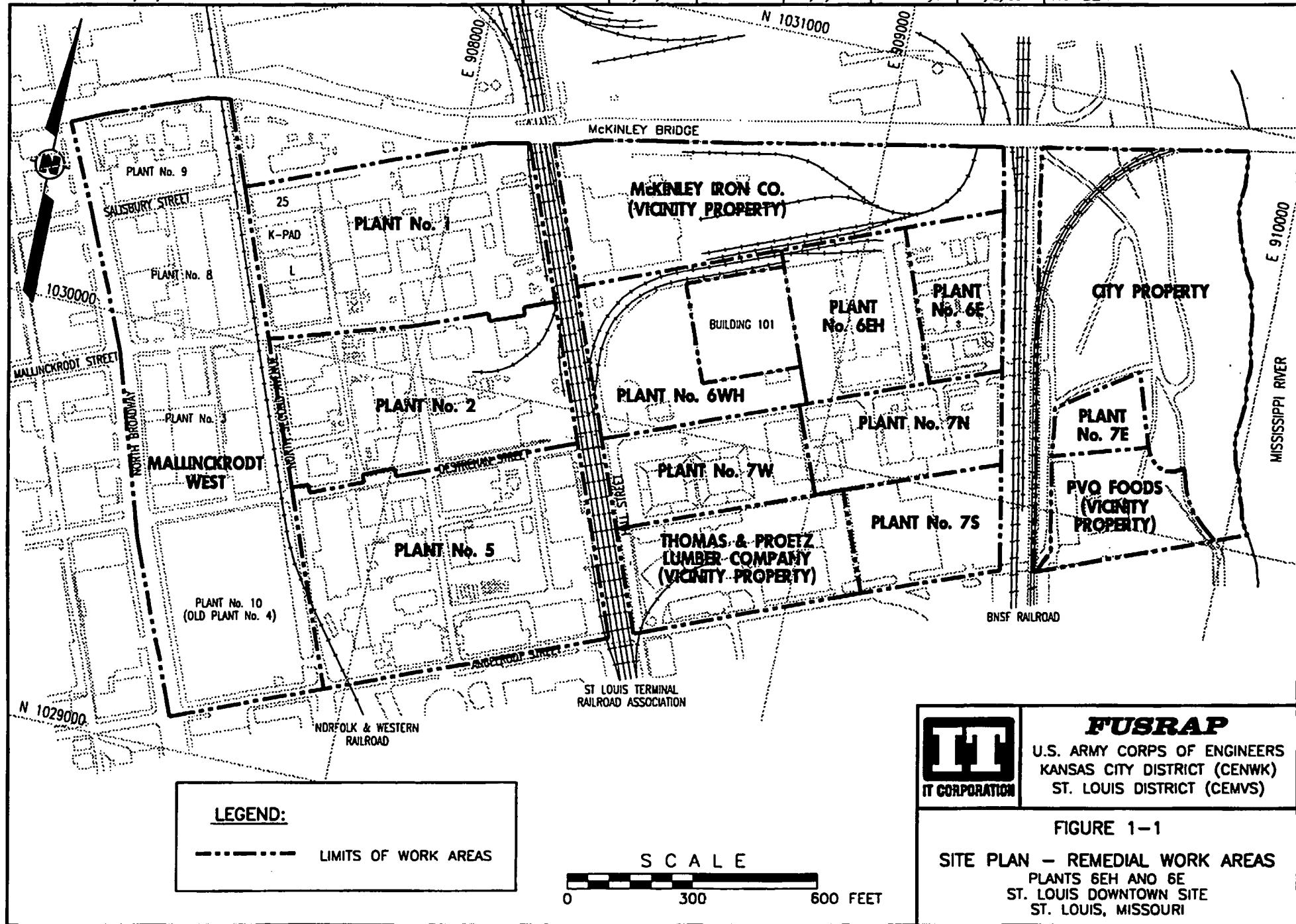
TCLP Herbicides- EPA 8150

TCLP Metals- EPA 7470/6010

PCB's- EPA 8082

Figures

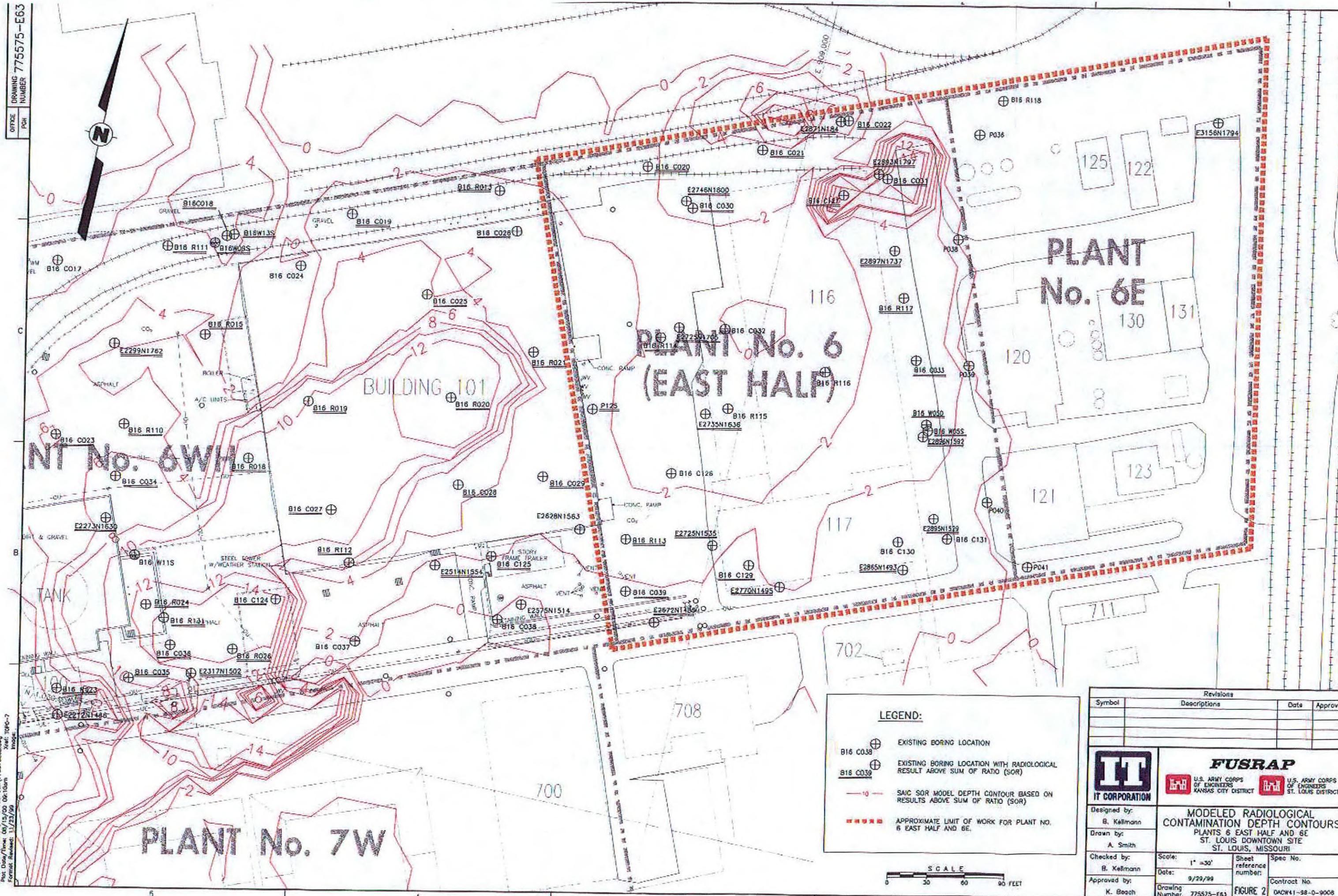
DRAWN BY	CHECKED BY	APPROVED BY	DRAWING NUMBER
A. Smith 7/28/98	K. Axetell 1/8/99	D. Deloye 1/8/99	775575-A1



FUSRAP
U.S. ARMY CORPS OF ENGINEERS
KANSAS CITY DISTRICT (CENWK)
ST. LOUIS DISTRICT (CEMVS)

FIGURE 1-1

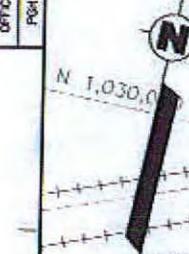
SITE PLAN - REMEDIAL WORK AREAS
PLANTS 6EH AND 6E
ST. LOUIS DOWNTOWN SITE
ST. LOUIS, MISSOURI



Symbol	Descriptions	Date	Approve
IT IT CORPORATION			
FUSRAP			
U.S. ARMY CORPS OF ENGINEERS KANSAS CITY DISTRICT			
U.S. ARMY CORPS OF ENGINEERS ST. LOUIS DISTRICT			
Designed by: B. Kellmann	Modeled Radiological Contamination Depth Contours		
Drawn by: A. Smith	Plants 6 East Half and 6E		
Checked by: B. Kellmann	St. Louis Downtown Site		
Approved by: K. Beach	St. Louis, Missouri		
Scale: 1" = 30'	Sheet reference number:	Spec No.	
Date: 9/23/99			
Drawing Number: 775575-E63			Contract No.

FIGURE 2





C

G 101



Appendix A
Waste Characterization
Analytical Data Sheets

Date: September 29, 1999
To: Brian Kellerman
From: Martino, Ron
Total Pages: 37



Quanterra Environmental Services
13715 Rider Trail North
Earth City, Missouri 63045
Telephone: 314-298-8566
Fax: 314-298-8757

Fax Transmission

Subject: Data for the FUSRAP Site

Message

IT Corporation - St. Louis FUSRAP
P.O. Box 3437
St. Louis, MO 63147

Project: 825.01

Category: Paint Filter Test
Method: EPA 9095
Matrix: Soil

Sample Date : 09/16/99
Receipt Date : 09/17/99
Report Date : 09/26/99

Client ID	Quanterra ID	Analyte	CAS Number	Blank Sample Name	Prep. Date	Analyses Date	Result	Unit Qual.	Detection Limit	Dil
SLD 03388	22129-001	Paint Filter Te PFT-1	NA	NA	09/23/99	09/23/99	PASS			1

IT Corporation - St. Louis FUSRAP
P.O. Box 5437
St. Louis, MO 63147

Project: 825.03

Category: pH
Method: EPA 9045
Matrix: Soil

Sample Date : 09/16/99
Receipt Date : 09/17/99
Report Date : 09/28/99

Client ID	Quanterra ID	Analyte	CAS Number	Blank Sample Name	Prep. Date	Analyses Date	Result	Unit	Qual.	Detection Limit	Dil
SLD 01388	22129-001	pH	C-006	QCBLK207694-1	09/23/99	09/23/99	6.90	PH UNITS			
NA	QCBLK207654-1	pH	C-006	QCBLK207654-1	09/23/99	09/23/99	5.67	PH UNITS			

Analysis time for sample 22129-001 is 17:40.
Analysis time for sample QCBLK207654-1 is 15:28.

Data is incomplete without Case Narrative

IT Corporation - St. Louis FUSRAP
 P.O. Box 5437
 St. Louis, MO 63147

Project: 825.03

Category: REACTIVITY-SULFIDE
 Method: EPA 9030
 Matrix: Soil

Sample Date : 09/16/99
 Receipt Date : 09/17/99
 Report Date : 09/28/99

Client ID	Quanterra ID	Analyte	CHS Number	Blank Sample Name	Prep. Date	Analyses Date	Result	Unit	Qual.	Detection Limit	Dil
SLD 03388	22129-001	Reactive Sulfid	18496-25-8A	QCBLK207897-1	09/24/99	09/24/99	ND	MG/KG		22.2	1
NA	QCBLK207897-1	Reactive Sulfid	18496-25-8A	QCBLK207897-1	09/24/99	09/24/99	ND	MG/KG		0.44	1
NA	OCLCS207897-1	Reactive Sulfid	18496-25-8A	QCBLK207897-1	09/24/99	09/24/99	109	%RBC			1

Data is incomplete without Case Narrative

9/29/99 13:10

6314-298-8757

Quanterra

Martino, Ron→Brian Kellerman

03/37

IT Corporation - St. Louis FUSRAP
P.O. Box 3437
St. Louis, MO 63147

Project: 825.03

Category: FLASHPOINT
Method: EPA 1010
Matrix: Soil

Sample Date : 09/16/99
Receipt Date : 09/17/99
Report Date : 09/28/99

Client ID	Quanterra ID	Analyte	CAS Number	Blank Sample Name	Prep. Date	Analyses Date	Result	Unit	Qual.	Detection Limit	Dil
SLD 03388	22129-001	Flashpoint	10-36-6	NA	09/27/99	09/27/99	>85.0	DEG C			1

Data is incomplete without Case Narrative

IT Corporation - St. Louis FUSRAP
P.O. Box 5437
St. Louis, MO 63147

Project: 825.03

Category: Flashpoint
Method: EPA 1010
Matrix: Soil

Sample Date : NA
Receipt Date : NA
Report Date : 09/28/99

Client ID	Quanterra ID	Analyte	CAS Number	Blank Sample Name	Prep. Date	Analyses Date	Result	Unit	Qual.	Detection Limit	Dil
NA	QCLCS207906-1	Flashpoint	10-36-6	NA	09/27/99	09/27/99	27.5	DEG C			1

Data is incomplete without Case Narrative

IT Corporation - St. Louis FUSRAP
 P.O. Box 5437
 St. Louis, MO 63147

Project: 825.03

Category: REACTIVITY
 Method: EPA 9010
 Matrix: Soil

Sample Date : 09/16/99
 Receipt Date : 09/17/99
 Report Date : 09/28/99

Client ID	Quanterra ID	Analyte	CAS Number	Blank Sample Name	Prep. Date	Analyses Date	Result	Unit Qual.	Detection Limit	Dil.
BLD 03388	22129-001	Reactive Cyanide 57-12-5A	QCBLK207896-1	QCBLK207896-1	09/24/99	09/24/99	ND	MG/KG	0.05	1
NA	QCBLK207896-1	Reactive Cyanide 57-12-5A	QCBLK207896-1	QCBLK207896-1	09/24/99	09/24/99	ND	MG/KG	0.01	1
NA	QCLCB207896-1	Reactive Cyanide 57-12-5A	QCLCB207896-1	QCLCB207896-1	09/24/99	09/24/99	7	REC		1

Data is incomplete without Case Narrative

IT Corporation - St. Louis FUSRAP
 P.O. Box 5437
 St. Louis, MO 63147

Project: 825.03

Category: PCB's
 Method: EPA 8082
 Matrix: Soil

Client ID: SLD 01388

Sample Date : 09/16/99
 Receipt Date : 09/17/99
 Report Date : 09/28/99

Quanterra ID : 22129-001

Analyte	CAS Number	Blank Sample Name	Prep. Date	Analyses Date	Detection			
					Result	Unit	Qual.	Limit
Aroclor-1016	12674-11-2	QCBLK207526-1	09/22/99	09/23/99	ND	UG/KG		45
Aroclor-1221	11104-28-2	QCBLK207526-1	09/22/99	09/23/99	ND	UG/KG		45
Aroclor 1232	11141-16-5	QCBLK207526-1	09/22/99	09/23/99	ND	UG/KG		45
Aroclor 1242	53469-21-9	QCBLK207526-1	09/22/99	09/23/99	ND	UG/KG		45
Aroclor-1248	12672-29-6	QCBLK207526-1	09/22/99	09/23/99	ND	UG/KG		45
Aroclor-1254	11097-69-1	QCBLK207526-1	09/22/99	09/23/99	ND	UG/KG		45
Aroclor 1260	11096-82-5	QCBLK207526-1	09/22/99	09/23/99	ND	UG/KG		45
TCMX	877-09-8	QCBLK207526-1	09/22/99	09/23/99	108	%REC		1
DCB	2051-24-3	QCBLK207526-1	09/22/99	09/23/99	130	%REC		1

Data is incomplete without Case Narrative

IT Corporation - St. Louis FUSRAP
 P.O. Box 3437
 St. Louis, MO 63147

Project: 825.03

Category: PCB's
 Method: EPA 8082
 Matrix: Soil

Client ID: NA

Sample Date : NA
 Receipt Date : NA
 Report Date : 09/28/99

Quanterra ID : QCBLK207526-1

Analyte	CAS Number	Blank Sample Name	Prep. Date	Analyzed Date	Result	Unit	Detection Qual.	Limit	Dilution
Aroclor-1016	12674-11-2	QCBLK207526-1	09/22/99	09/23/99	ND	UG/KG		33	1
Aroclor-1221	11104-28-2	QCBLK207526-1	09/22/99	09/23/99	ND	UG/KG		33	1
Aroclor-1232	11141-16-5	QCBLK207526-1	09/22/99	09/23/99	ND	UG/KG		33	1
Aroclor-1243	53469-21-9	QCBLK207526-1	09/22/99	09/23/99	ND	UG/KG		33	1
Aroclor-1248	12672-29-6	QCBLK207526-1	09/22/99	09/23/99	ND	UG/KG		33	1
Aroclor-1254	11097-69-1	QCBLK207526-1	09/22/99	09/23/99	ND	UG/KG		33	1
Aroclor-1260	11096-82-5	QCBLK207526-1	09/22/99	09/23/99	ND	UG/KG		33	1
TOMX	877-09-8	QCBLK207526-1	09/22/99	09/23/99	94	%RBC			1
DCB	2051-24-3	QCBLK207526-1	09/22/99	09/23/99	91	%REC			1

Data is incomplete without Case Narrative

IT Corporation - St. Louis FUSRAP
 P.O. Box 5437
 St. Louis, MO 63147

Project: 825.03

Category: PCB's
 Method: EPA 8082
 Matrix: Soil

Client ID: NA

Sample Date : NA
 Receipt Date : NA
 Report Date : 09/28/99

Quanterra ID : QCLC8207526-1

Analyte	CAS Number	Blank Sample Name	Prop. Date	Analyses Date	Result	Unit	Detection Qual.	Limit	Dilution
Aroclor 1016	12674-11-2	QCBLK207526-1	09/22/99	09/23/99	94	%REC			1
Aroclor-1260	11096-02-5	QCBLK207526-1	09/22/99	09/23/99	94	%REC			1
TOMX	877-09-0	QCBLK207526-1	09/22/99	09/23/99	93	%REC			1
PCB	2051-24-3	QCBLK207526-1	09/22/99	09/23/99	100	%REC			1

Data is incomplete without Case Narrative

IT Corporation - St. Louis FUGRAP
 P.O. Box 9437
 St. Louis, MO 63147

Project: 825.03

Category: Low Boiling Hydrocarbons
 Method: EPA 8015
 Matrix: Soil

Client ID: BLD 03388

Sample Date : 09/16/99
 Receipt Date : 09/17/99
 Report Date : 09/28/99

Quanterra ID : 22129-001

Analyte	CAS Number	Blank Sample Name	Prep. Date	Analyses Date	Result	Unit Qual.	Detection Limit	Dilution
Gasoline	8006-61-9	QCBLK2G7543-1	09/21/99	09/21/99	ND	MG/KG	0.500	5
a,a,a-TFT	20-00-0	QCBLK2G7543-1	09/21/99	09/21/99	71	#REC		5

Data is incomplete without Case Narrative

IT Corporation - St. Louis FUSRAP
 P.O. Box 5437
 St. Louis, MO 63147

Project: 025.03

Category: Low Boiling Hydrocarbons
 Method: EPA 8015
 Matrix: Soil

Sample Date : NA
 Receipt Date : NA
 Report Date : 09/28/99

Client ID: NA

Quanterra ID : QCBLK207543-1

Analyte	CAS Number	Blank Sample Name	Prop. Date	Analyses Date	Result Unit	Detection Qual.	Limit	Dilution
Gasoline a.a.a-TFT	8006-61-9 98-08-0	QCBLK207543-1 QCBLK207543-1	09/21/99 09/21/99	09/21/99 09/21/99	ND 87	NO/KG 4REC	0.500 5	5

IT Corporation - St. Louis FUSRAP
 P.O. Box 5437
 St. Louis, MO 63147

Project: 825.03

Category: Low Boiling Hydrocarbons
 Method: EPA 8015
 Matrix: Soil

Client ID: NA

Sample Date : NA
 Receipt Date : NA
 Report Date : 09/28/99

Quanterra ID : QCLCS207543-1

Analyst	CAS Number	Blank Sample Name	Prep. Date	Analyzed Date	Result	Unit	Qual.	Detection Limit	Dilution
Gasoline	8006-61-9	QCBLK207541-1	09/21/99	09/21/99	104	%REC			5
a,a,a-TFT	98-06-8	QCBLK207543-1	09/21/99	09/21/99	77	%REC			5

Data is incomplete without Case Narrative

IT Corporation - St. Louis FUSRAP
 P.O. Box 5437
 St. Louis, MO 63147

Project: 825.03

Category: TPH
 Method: EPA 9015
 Matrix: Soil

Client ID: SLD 01388

Sample Date : 09/16/99
 Receipt Date : 09/17/99
 Report Date : 09/28/99

Quanterra ID : 22129-001

Analyte	CAS Number	Blank Sample Name	Prep. Date	Analyses Date	Result Unit			Detection Limit	Dilution
					Qual.				
Diesel	68334-30-5	QCBLK2075B9-1	09/23/99	09/24/99	ND	MG/KO		34	1
c-terphenyl	84-15-1	QCBLK207509-1	09/23/99	09/24/99	106	PPM			1

Data is incomplete without Case Narrative

IT Corporation - St. Louis FUSRAF
 P.O. Box 5437
 St. Louis, MO 63147

Project: 825.03

Category: TPH
 Method: EPA 8015
 Matrix: Soil

Client ID: NA

Sample Date : NA
 Receipt Date : NA
 Report Date : 09/28/99

Quanterra ID : QCBLK207589-1

Analyte	CAB Number	Blank Sample Name	Prep. Date	Analytical Date	Result	Unit	Qual.	Detection Limit	Dilution
Diesel	68334-30-5	QCBLK207589-1	09/23/99	09/24/99	ND	MG/KG		25	1
c-Terphenyl	84-15-1	QCBLK207589-1	09/23/99	09/24/99	89	µREBC			1

Data is incomplete without Case Narrative

IT Corporation - St. Louis FUBRAP
 P.O. Box 5937
 St. Louis, MO 63147

Project: 825.03

Category: TPX
 Method: EPA 8015
 Matrix: Soil

Sample Date : NA
 Receipt Date : NA
 Report Date : 09/28/99

Client ID: NA

Quanterra ID : QCLCB207589-1

Analyte	CAS Number	Blank Complec Name	Prop. Date	Analyses Date	Detection			
					Result	Unit	Qual.	Limit
Diesel	68334-30-5	QCBLK207589-1	09/23/99	09/24/99	101	#REC		1
o-Terphenyl	84-15-1	QCBLK207589-1	09/23/99	09/24/99	132	#REC		1

Data is incomplete without Case Narrative

IT Corporation - St. Louis FUSRAP
 P.O. Box 5437
 St. Louis, MO 63147

Project: 825.03

Category : TCLP PESTICIDES
 Matrix : Soil

Client ID: SLD 033B8

Sample Date : 09/16/99
 Receipt Date : 09/17/99
 Report Date : 09/28/99

Quanterra ID : 22129-001

Analyte	Method	Extract Date	Prep Date	Analyses Date	Result	Units	Qual.	Detection Limit	Regulatory Level	Dilution
gamma-BHC (T-indane)	EPA 8080	09/20/99	09/21/99	09/23/99	ND	MG/L		0.00050	0.40	1
Heptachlor	EPA 8080	09/20/99	09/21/99	09/23/99	ND	MG/L		0.00050	0.008	1
Heptachlor Epoxide	EPA 8080	09/20/99	09/21/99	09/23/99	ND	MG/L		0.00050	0.008	1
Endrin	EPA 8080	09/20/99	09/21/99	09/23/99	ND	MG/L		0.00050	0.02	1
Methoxychlor	EPA 8080	09/20/99	09/21/99	09/23/99	ND	MG/L		0.0010	10.0	1
Chlordane	EPA 8080	09/20/99	09/21/99	09/23/99	ND	MG/L		0.0050	0.03	1
Toxapheno	EPA 8080	09/20/99	09/21/99	09/23/99	ND	MG/L		0.020	0.50	1
DCH	EPA 8080	09/20/99	09/21/99	09/23/99	89	%REC				1
TOMX	EPA 8080	09/20/99	09/21/99	09/23/99	98	%REC				1

IT Corporation - St. Louis FUSRAP
 P.O. Box 5431
 St. Louis, MO 63147

Project: 825.03

Category : TCLP PESTICIDES
 Matrix : Soil

Client ID: NA

Sample Date : NA
 Receipt Date : NA
 Report Date : 09/28/99

Quanterra ID : EXTBLK207338-1

Analyte	Method	Extract Date	Prep Date	Analyses Date	Result	Units	Dual.	Detection Limit	Regulatory Level	Dilution
gamma-BHC (Lindane)	EPA 8080	09/20/99	09/21/99	09/22/99	ND	MG/L		0.00050	0.40	1
Heptachlor	EPA 8080	09/20/99	09/21/99	09/22/99	ND	MG/L		0.00050	0.008	1
Heptachlor Epoxide	EPA 8080	09/20/99	09/21/99	09/22/99	ND	MG/L		0.00050	0.008	1
Endrin	EPA 8080	09/20/99	09/21/99	09/22/99	ND	MG/L		0.00050	0.02	1
Methoxychlor	EPA 8080	09/20/99	09/21/99	09/22/99	ND	MG/L		0.0010	10.0	1
Chlordane	EPA 8080	09/20/99	09/21/99	09/22/99	ND	MG/L		0.0050	0.03	1
Toxaphene	EPA 8080	09/20/99	09/21/99	09/22/99	ND	MG/L		0.020	0.50	1
DCB	EPA 8080	09/20/99	09/21/99	09/22/99	85	REC				1
TCMX	EPA 8080	09/20/99	09/21/99	09/22/99	82	REC				1

IT Corporation - St. Louis FUSRAP
P.O. Box 5437
St. Louis, MO 63147

Project: 825.03

Category : TCLP PESTICIDES
Matrix : Soil

Client ID: NA

Sample Date : NA
Receipt Date : NA
Report Date : 09/28/99

Quanterra ID : QCLCB207428-1

Analyte	Method	Extract Date	Prep Date	Analyses Date	Result	Units	Qual.	Detection Limit	Regulatory Level	Dilution
gamma-HHC (Lindane)	EPA 8080	NA	09/21/99	09/22/99	123	PPB	Q	1		
Heptachlor	EPA 8080	NA	09/21/99	09/22/99	120	PPB	Q	1		
Heptachlor Epoxide	EPA 8080	NA	09/21/99	09/22/99	109	PPB	Q	1		
Endrin	EPA 8080	NA	09/21/99	09/22/99	126	PPB	Q	1		
Methoxychlor	EPA 8080	NA	09/21/99	09/22/99	106	PPB	Q	1		
DDT	EPA 8080	NA	09/21/99	09/22/99	85	PPB	Q	1		
TCMX	EPA 8080	NA	09/21/99	09/22/99	68	PPB	Q	1		

IT Corporation - St. Louis FUSRAP
 P.O. Box 5437
 St. Louis, MO 63147

Project: 825.03

Category : TCLP PESTICIDES
 Matrix : Soil

Client ID: NA

Sample Date : NA
 Receipt Date : NA
 Report Date : 09/28/99

Quanterra ID : QCLC8207428-2

Analyte	Method	Extract Date	Prep Date	Analyzes Date	Result	Units	Qual.	Detection Limit	Regulatory Level	Dilution
gamma-BHC (Lindane)	EPA 8080	NA	09/21/99	09/22/99	119	µREC				1
Heptachlor	EPA 8080	NA	09/21/99	09/22/99	119	µREC				1
Heptachlor Epoxide	EPA 8080	NA	09/21/99	09/22/99	106	µREC				1
Endrin	EPA 8080	NA	09/21/99	09/22/99	121	µREC				1
Methoxychlor	EPA 8080	NA	09/21/99	09/22/99	102	µREC				1
DDT	EPA 8080	NA	09/21/99	09/22/99	85	µREC				1
TCMX	EPA 8080	NA	09/21/99	09/22/99	65	µREC				1

IT Corporation - St. Louis FUSRAP
 P.O. Box 9437
 St. Louis, MO 63147

Project: B25.03

Category : TCLP HERBS
 Matrix : Soil

Client ID: SLD 03388

Sample Date : 09/16/99
 Receipt Date : 09/17/99
 Report Date : 09/28/99

Quanterra ID : 23129-001

Analyte	Method	Extract Date	Prep Date	Analyses Date	Result	Units	Qual.	Detection Limit	Regulatory Level	Dilution
2,4-D	EPA B150	09/20/99	09/21/99	09/22/99	ND	MG/L		0.040	10.0	1
2,4,5-TP (Silvex)	EPA B150	09/20/99	09/21/99	09/22/99	ND	MG/L		0.010	1.0	1
2,4-DCPA	EPA B150	09/20/99	09/21/99	09/22/99	104	NRSC				

IT Corporation - St. Louis FUSRAP
 P.O. Box 5437
 St. Louis, MO 63147

Project: 825.03

Category : TCLP HERBS
 Matrix : Soil

Client ID: NA

Sample Date : NA
 Receipt Date : NA
 Report Date : 09/28/99

Quanterra ID : EXTBLK207338-1

Analyte	Method	Extract Date	Prep Date	Analyses Date	Result	Units	Qual.	Detection Limit	Regulatory Level	Dilution
2,4-D	EPA 8150	09/20/99	09/21/99	09/22/99	ND	MG/L		0.040	10.0	1
2,4,5-TP (Silvex)	EPA 8150	09/20/99	09/21/99	09/22/99	ND	MG/L		0.010	1.0	1
2,4 DCPA	EPA 8150	09/20/99	09/21/99	09/22/99	100	%REC				1

IT Corporation - St. Louis FUSRAP
 P.O. Box 5437
 St. Louis, MO 63147

Project: 825.03

Category : TCLP HERBS
 Matrix : Soil

Client ID: NA

Sample Date : NA
 Receipt Date : NA
 Report Date : 09/28/99

Quanterra ID : QCLC9207426-1

Analyte	Method	Extract Date	Prep Date	Analyses Date	Result	Units	Qual.	Detection Limit	Regulatory Level	Dilution
2,4-D	EPA 8150	NA	09/21/99	09/22/99	102	%REC				1
2,4,5-TIP (Silvex)	EPA 8150	NA	09/21/99	09/22/99	100	%REC				1
2,4-DCPA	EPA 8150	NA	09/21/99	09/22/99	104	%REC				1

IT CORPORATION - St. Louis FUSRAP
 P.O. Box 5437
 St. Louis, MO 63147

Project: 825.03

Category : TCLP HERB8
 Matrix : Soil

Client ID: NA

Sample Date : NA
 Receipt Date : NA
 Report Date : 09/28/99

Quanterra ID : QCLC9207426-2

Analyte	Method	Extract Date	Prep Date	Analyses Date	Result	Units	Qual.	Detection Limit	Regulatory Level	Dilution
2,4-D	EPA 8150	NA	09/21/99	09/23/99	102	%REC				1
2,4,5-TP (Silvex)	EPA 8150	NA	09/21/99	09/23/99	99	%REC				1
2,4-DCPA	EPA 8150	NA	09/21/99	09/23/99	105	%REC				1

IT Corporation • St. Louis FUSRAP
 P.O. Box 9437
 St. Louis, MO 63147

Project: 025.03

Sample Date : 09/16/99
 Receipt Date : 09/17/99
 Report Date : 09/28/99

Quanterra ID : 23129-001

Category : TCLP Metals
 Matrix : Soil

Client ID: SLD 03388

Analyte	Method	Extract Date	Prep Date	Analyses Date	Result	Units	Qual.	Detection Limit	Regulatory Level	Dilution
Mercury	EPA 7470	09/20/99	09/22/99	09/22/99	ND	MG/L		0.00080	0.20	4
Arsenic	EPA 6010	09/20/99	09/22/99	09/22/99	0.035	MG/L	B	1.2	5.0	4
Barium	EPA 6010	09/20/99	09/22/99	09/22/99	0.30	MG/L	B	0.80	100	4
Cadmium	EPA 6010	09/20/99	09/22/99	09/22/99	0.0024	MG/L	B	0.020	1.0	4
Chromium	EPA 6010	09/20/99	09/22/99	09/22/99	ND	MG/L		0.040	5.0	4
Copper	EPA 6010	09/20/99	09/22/99	09/22/99	ND	MG/L		0.10	4	
Lead	EPA 6010	09/20/99	09/22/99	09/22/99	0.40	MG/L		0.40	5.0	4
Nickel	EPA 6010	09/20/99	09/22/99	09/22/99	0.030	MG/L	B	0.20	4	
Selenium	EPA 6010	09/20/99	09/22/99	09/22/99	ND	MG/L		1.0	1.0	4
Silver	EPA 6010	09/20/99	09/22/99	09/22/99	ND	MG/L		0.040	5.0	4
Zinc	EPA 6010	09/20/99	09/22/99	09/22/99	0.17	MG/L		0.080	4	

Data is incomplete without Case Narrative

IT Corporation - St. Louis FUSRAP
 P.O. Box 5437
 St. Louis, MO 63147

Project: 825.03

Category : TCLP Metals
 Matrix : Soil

Client ID: NA

Sample Date : NA
 Receipt Date : NA
 Report Date : 09/28/99

Quanterra ID : EKTBBLK207338-1

Analyte	Method	Extract Date	Prep Date	Analyses Date	Result	Units	Qual.	Detection Limit	Regulatory Level	Dilution
Arsenic	EPA 6010	09/20/99	09/22/99	09/23/99	ND	MG/L		1.2	5.0	4
Barium	EPA 6010	09/20/99	09/22/99	09/23/99	ND	MG/L		0.80	100	4
Cadmium	EPA 6010	09/20/99	09/22/99	09/23/99	ND	MG/L		0.020	1.0	4
Chromium	EPA 6010	09/20/99	09/22/99	09/22/99	ND	MG/L		0.040	5.0	4
Copper	EPA 6010	09/20/99	09/22/99	09/22/99	ND	MG/L		0.10	4	
Lead	EPA 6010	09/20/99	09/22/99	09/23/99	ND	MG/L		0.40	5.0	4
Nickel	EPA 6010	09/20/99	09/22/99	09/23/99	ND	MG/L		0.20	4	
Selenium	EPA 6010	09/20/99	09/22/99	09/23/99	ND	MG/L		1.0	1.0	4
Silver	EPA 6010	09/20/99	09/22/99	09/22/99	ND	MG/L		0.040	5.0	4
Zinc	EPA 6010	09/20/99	09/22/99	09/23/99	0.011	MG/L	B	0.080	4	

IT Corporation - St. Louis FUSRAP
 P.O. Box 6437
 St. Louis, MO 63147

Project: 825.03

Category : TCLP Metals
 Matrix : Soil

Client ID: NA

Sample Date : NA
 Receipt Date : NA
 Report Date : 09/28/99

Quanterra ID : EXTBLK207338-1

Analyte	Method	Extract Date	Prep Date	Analyses Date	Result	Units	Qual.	Detection Limit	Regulatory Level	Dilution
Mercury	EPA 7470	09/20/99	09/22/99	09/22/99	ND	MG/L		0.00080	0.20	4

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Project: 826.03

Category : TCH Metals
Matrix : Soil

Client ID: NA

Sample Date : NA
Receipt Date : NA
Report Date : 09/28/99

Quanterra ID : QCLCS207557-1

Analyte	Method	Extract Date	Prep Date	Analyses Date	Result	Units	Qual.	Detection Limit	Regulatory Level	Dilution
Mercury	EPA 7470	NA	09/22/99	09/22/99	97	PPM	REC			1

IT Corporation - St. Louis FUSRAP
 P.O. Box 5437
 St. Louis, MO 63147

Project: 825.03

Category : TCLP Metals
 Matrix : Soil

Client ID: NA

Sample Date : NA
 Receipt Date : NA
 Report Date : 09/28/99

Quanterra ID : QCLC8207588-1

Analyte	Method	Extract Date	Prep Date	Analyses Date	Result	Units	Qual.	Detection Limit	Regulatory Level	Dilution
Arsenic	EPA 6010	NA	09/22/99	09/22/99	105	NRBC				1
Barium	EPA 6010	NA	09/22/99	09/22/99	103	NRBC				1
Cadmium	EPA 6010	NA	09/22/99	09/22/99	103	NRBC				1
Chromium	EPA 6010	NA	09/22/99	09/22/99	102	NRBC				1
Copper	EPA 6010	NA	09/22/99	09/22/99	101	NRBC				1
Lead	EPA 6010	NA	09/22/99	09/22/99	99	NRBC				1
Nickel	EPA 6010	NA	09/22/99	09/22/99	100	NRBC				1
Selenium	EPA 6010	NA	09/22/99	09/22/99	101	NRBC				1
Silver	EPA 6010	NA	09/22/99	09/22/99	102	NRBC				1
Zinc	EPA 6010	NA	09/22/99	09/22/99	98	NRBC				1

IT Corporation - St. Louis FUSRAP
 P.O. Box 5437
 St. Louis, MO 63147

Project: 825.01

Category : TCLP Metals
 Matrix : Soil

Client ID: NA

Sample Date : NA
 Receipt Date : NA
 Report Date : 09/28/99

Quanterra ID : QCBLK207957-1

Analyte	Method	Extract Date	Prep Date	Analyses Date	Result	Units	Qual.	Detection Limit	Regulatory Level	Dilution
Mercury	EPA 7470	NA	09/22/99	09/22/99	ND	MG/L	0.00020	0.20	1	

IT Corporation - St. Louis FUSRAP
 P.O. Box 3437
 St. Louis, MO 63147

Project: 825.03

Category : TCLP Metals
 Matrix : Soil

Client ID: NA

Sample Date : NA
 Receipt Date : NA
 Report Date : 09/28/99

Quanterra ID : QCBLKZU7558-1

Analyte	Method	Extract Date	Prep Date	Analyzes Date	Result	Units	Qual.	Detection Limit	Regulatory Level	Dilution
Arsenic	EPA 6010	NA	09/22/99	09/22/99	0.0019	MG/L	B	0.30	5.0	1
Barium	EPA 6010	NA	09/22/99	09/22/99	ND	MG/L		0.20	100	1
Cadmium	EPA 6010	NA	09/22/99	09/22/99	ND	MG/L		0.005	1.0	1
Chromium	EPA 6010	NA	09/22/99	09/22/99	ND	MG/L		0.010	5.0	1
Copper	EPA 6010	NA	09/22/99	09/22/99	ND	MG/L		0.025		1
Lead	EPA 6010	NA	09/22/99	09/22/99	ND	MG/L		0.10	5.0	1
Nickel	EPA 6010	NA	09/22/99	09/22/99	0.0040	MG/L	B	0.050		1
Selenium	EPA 6010	NA	09/22/99	09/22/99	ND	MG/L		0.25	1.0	1
Silver	EPA 6010	NA	09/22/99	09/22/99	ND	MG/L		0.010	5.0	1
Zinc	EPA 6010	NA	09/22/99	09/22/99	0.0036	MG/L	B	0.030		1

IT Corporation - St. Louis FUSRAP
P.O. Box 5437
St. Louis, MO 63147

Project: 825.03

Category : TCLP Volatiles
Matrix : Soil

Client ID: 9LD 03388

Sample Date : 09/16/99
Receipt Date : 09/17/99
Report Date : 09/29/99

Quanterra ID : 22129-001

Analyte	Method	Extract Date	Prep Date	Analysis Date	Result	Units	Qual.	Detection Limit	Regulatory Level	Dilution
Vinyl Chloride	EPA 8260A	09/20/99	09/27/99	09/27/99	ND	MG/L		0.020	0.2	1
1,1-Dichloroethene	EPA 8260A	09/20/99	09/27/99	09/27/99	ND	MG/L		0.0070	0.7	1
Chloroform	EPA 8260A	09/20/99	09/27/99	09/27/99	ND	MG/L		0.060	6.0	1
1,2-Dichloroethane	EPA 8260A	09/20/99	09/27/99	09/27/99	ND	MG/L		0.0050	0.5	1
2-Butanone (MEK)	EPA 8260A	09/20/99	09/27/99	09/27/99	0.007	MG/L J		2.0	200	1
Carbon Tetrachloride	EPA 8260A	09/20/99	09/27/99	09/27/99	ND	MG/L		0.0050	0.5	1
Trichloroethene	EPA 8260A	09/20/99	09/27/99	09/27/99	ND	MG/L		0.0050	0.5	1
Benzene	EPA 8260A	09/20/99	09/27/99	09/27/99	ND	MG/L		0.0050	0.5	1
Tetrachloroethene	EPA 8260A	09/20/99	09/27/99	09/27/99	ND	MG/L		0.0070	0.7	1
Chlorobenzene	EPA 8260A	09/20/99	09/27/99	09/27/99	ND	MG/L		1.0	100	1
Bromofluorobenzene	EPA 8260A	09/20/99	09/27/99	09/27/99	82	%REC				1
Chlorofluoromethane	EPA 8260A	09/20/99	09/27/99	09/27/99	114	%REC				1
Toluene-d8	EPA 8260A	09/20/99	09/27/99	09/27/99	94	%REC				1

IT Corporation - St. Louis PUSRAP
 P.O. Box 5437
 St. Louis, MO 63147

Project: 825.03

Category : TCLP Volatiles
 Matrix : Soil

client ID: NA

Sample Date : NA
 Receipt Date : NA
 Report Date : 09/29/99

Quanterra ID : EXTBLK207337-1

Analyte	Method	Extract Date	Prep Date	Analyses Date	Result	Units	Qual.	Detection Limit	Regulatory Level	Dilution
Vinyl Chloride	EPA 8260A	09/20/99	09/21/99	09/21/99	ND	MG/L		0.020	0.2	1
1,1-Dichloroethene	EPA 8260A	09/20/99	09/21/99	09/21/99	ND	MG/L		0.0070	0.7	1
Chloroform	EPA 8260A	09/20/99	09/21/99	09/21/99	ND	MG/L		0.060	6.0	1
1,1-Dichloroethane	EPA 8260A	09/20/99	09/21/99	09/21/99	ND	MG/L		0.0050	0.5	1
2-Butanone (MEK)	EPA 8260A	09/20/99	09/21/99	09/21/99	ND	MG/L		2.0	200	1
Carbon Tetrachloride	EPA 8260A	09/20/99	09/21/99	09/21/99	ND	MG/L		0.0050	0.5	1
Trichloroethylene	EPA 8260A	09/20/99	09/21/99	09/21/99	ND	MG/L		0.0050	0.5	1
Benzene	EPA 8260A	09/20/99	09/21/99	09/21/99	ND	MG/L		0.0050	0.5	1
Tetrachloroethylene	EPA 8260A	09/20/99	09/21/99	09/21/99	ND	MG/L		0.0070	0.7	1
Chlorobenzene	EPA 8260A	09/20/99	09/21/99	09/21/99	ND	MG/L		1.0	100	1
Bromofluorobenzene	EPA 8260A	09/20/99	09/21/99	09/21/99	65	%REC				1
Pteramofluoromethane	EPA 8260A	09/20/99	09/21/99	09/21/99	108	%REC				1
lene-d8	EPA 8260A	09/20/99	09/21/99	09/21/99	98	%REC				1

IT Corporation - St. Louis PUSRAP
P.O. Box 5137
St. Louis, MO 63147

Project: 825.03

Category : TCLP Volatiles
Matrix : Soil

Client ID: NA

Sample Date : NA
Receipt Date : NA
Report Date : 09/29/99

Quanterra ID : QCLC6207989-1

Analyte	Method	Extract Date	Prep Date	Analyses Date	Result	Units	Qual.	Detection Limit	Regulatory Level	Dilution
Vinyl Chloride	EPA 8260A	NA	09/27/99	09/27/99	ND	MG/L				1
1,1-Dichloroethene	EPA 8260A	NA	09/27/99	09/27/99	ND	MG/L				1
Chloroform	EPA 8260A	NA	09/27/99	09/27/99	ND	MG/L				1
1,3-Dichloroethane	EPA 8260A	NA	09/27/99	09/27/99	ND	MG/L				1
2-Butanone (MEK)	EPA 8260A	NA	09/27/99	09/27/99	ND	MG/L				1
Carbon Tetrachloride	EPA 8260A	NA	09/27/99	09/27/99	ND	MG/L				1
Trichloroethene	EPA 8260A	NA	09/27/99	09/27/99	ND	MG/L				1
Benzene	EPA 8260A	NA	09/27/99	09/27/99	ND	MG/L				1
Tetrachloroethene	EPA 8260A	NA	09/27/99	09/27/99	ND	MG/L				1
Chlorobenzene	EPA 8260A	NA	09/27/99	09/27/99	ND	MG/L				1
Bromofluorobenzene	EPA 8260A	NA	09/27/99	09/27/99	81	NRBC				1
Dibromofluoromethane	EPA 8260A	NA	09/27/99	09/27/99	105	NRBC				1
ane-d8	EPA 8260A	NA	09/27/99	09/27/99	89	NRBC				

IT Corporation - St. Louis FUSRAP
 P.O. Box 5437
 St. Louis, MO 63147

Project: 825.03

Category : TCLP Volatiles
 Matrix : Soil

Client ID: NA

Sample Date : NA
 Receipt Date : NA
 Report Date : 09/29/99

Quanterra ID : QCBLK207989-1

Analyte	Method	Extract Date	Prep Date	Analysis Date	Result	Units	Qual.	Detection Limit	Regulatory Level	Dilution
Vinyl Chloride	EPA 8260A	NA	09/27/99	09/27/99	ND	MG/L		0.020	0.2	1
1,1-Dichloroethene	EPA 8260A	NA	09/27/99	09/27/99	ND	MG/L		0.0070	0.7	1
Chloroform	EPA 8260A	NA	09/27/99	09/27/99	ND	MG/L		0.060	6.0	1
1,2-Dichloroethane	EPA 8260A	NA	09/27/99	09/27/99	ND	MG/L		0.0050	0.5	1
2-Butanone (MEK)	EPA 8260A	NA	09/27/99	09/27/99	ND	MG/L		2.0	200	1
Carbon Tetrachloride	EPA 8260A	NA	09/27/99	09/27/99	ND	MG/L		0.0050	0.5	1
Trichloroethene	EPA 8260A	NA	09/27/99	09/27/99	ND	MG/L		0.0050	0.5	1
Benzene	EPA 8260A	NA	09/27/99	09/27/99	ND	MG/L		0.0050	0.5	1
Tetrachloroethene	EPA 8260A	NA	09/27/99	09/27/99	ND	MG/L		0.0070	0.7	1
Chlorobenzene	EPA 8260A	NA	09/27/99	09/27/99	NU	MG/L		1.0	100	1
Bromofluorobenzene	EPA 8260A	NA	09/27/99	09/27/99	83	NRBC				1
Chloromfluoromethane	EPA 8260A	NA	09/27/99	09/27/99	101	NRBC				1
lene-d8	EPA 8260A	NA	09/27/99	09/27/99	95	NRBC				1

IT Corporation - St. Louis FUSRAP
P.O. Box 5437
St. Louis, MO 63147

Project: 825.D3

Category : TCLP Volatiles
Matrix : Soil

Client ID: NA

Sample Date : NA
Receipt Date : NA
Report Date : 09/29/99

Quanterra ID : QCBLX207514-1

Analyte	Method	Extract Date	Prep Date	Analyses Date	Result	Units	Qual.	Detection Limit	Regulatory Level	Dilution
Vinyl Chloride	EPA 8260A	NA	09/21/99	09/21/99	ND	MG/L		0.020	0.2	1
1,1-Dichloroethene	EPA 8260A	NA	09/21/99	09/21/99	ND	MG/L		0.0070	0.7	1
Chloroform	EPA 8260A	NA	09/21/99	09/21/99	ND	MG/L		0.060	6.0	1
1,2-Dichloroethane	EPA 8260A	NA	09/21/99	09/21/99	ND	MG/L		0.0050	0.5	1
2-Butanone (MEK)	EPA 8260A	NA	09/21/99	09/21/99	ND	MG/L		2.0	200	1
Carbon Tetrachloride	EPA 8260A	NA	09/21/99	09/21/99	ND	MG/L		0.0050	0.5	1
Trichloroethene	EPA 8260A	NA	09/21/99	09/21/99	ND	MG/L		0.0050	0.5	1
Benzene	EPA 8260A	NA	09/21/99	09/21/99	ND	MG/L		0.0050	0.6	1
Tetrachloroethene	EPA 8260A	NA	09/21/99	09/21/99	ND	MG/L		0.0070	0.7	1
Chlorobenzene	EPA 8260A	NA	09/21/99	09/21/99	ND	MG/L		1.0	100	1
Bromo Fluorobenzene	EPA 8260A	NA	09/21/99	09/21/99	88	%REC				1
Dibromofluoromethane	EPA 8260A	NA	09/21/99	09/21/99	97	%REC				1
ene-d8	EPA 8260A	NA	09/21/99	09/21/99	94	%REC				1

IT Corporation - St. Louis FUSRAF
 P.O. Box 5437
 St. Louis, MO 63147

Project: 829.03

Category : TCLP Volatiles
 Matrix : Soil

Client ID: NA

Sample Date : NA
 Receipt Date : NA
 Report Date : 09/29/99

Quanterra ID : QCLCS207514-1

Analyte	Method	Extract Date	Prep Date	Analyses Date	Result	Units	Qual.	Detection Limit	Regulatory Level	Dilution
Vinyl Chloride	EPA 8260A	NA	09/21/99	09/21/99	74	µREC				1
1,1-Dichloroethene	EPA 8260A	NA	09/21/99	09/21/99	84	µREC				1
Chloroform	EPA 8260A	NA	09/21/99	09/21/99	91	µREC				1
1,2-Dichloroethane	EPA 8260A	NA	09/21/99	09/21/99	94	µREC				1
2-Butanone (MEK)	EPA 8260A	NA	09/21/99	09/21/99	81	µREC				1
Carbon Tetrachloride	EPA 8260A	NA	09/21/99	09/21/99	85	µREC				1
Trichloroethene	EPA 8260A	NA	09/21/99	09/21/99	87	µREC				1
Benzene	EPA 8260A	NA	09/21/99	09/21/99	86	µREC				1
Tetrachloroethene	EPA 8260A	NA	09/21/99	09/21/99	88	µREC				1
Chlorobenzene	EPA 8260A	NA	09/21/99	09/21/99	90	µREC				1
Bromofluorobenzene	EPA 8260A	NA	09/21/99	09/21/99	82	µREC				1
Bromofluoromethane	EPA 8260A	NA	09/21/99	09/21/99	95	µREC				1
Urene-d8	EPA 8260A	NA	09/21/99	09/21/99	97	µREC				1

U.S. EPA - CLP

COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: QUANTERRA MO _____

Contract: 795.11 _____

Lab Code: ITMO _____

Case No.: _____

SAS No.: _____ SDG No.: 22391 _____

SOW No.: SW846

EPA Sample No.

SLD02601
SLD02609
SLD02640
SLD02659
SLD02669
SLD02676
SLD02677
SLD02681
SLD02743
SLD02783

Lab Sample ID

22391-001
22391-003
22391-004
22391-006
22391-008
22391-005
22391-002
22391-007
22391-010
22391-009

Were ICP interelement corrections applied ?

Yes/No YES

Were ICP background corrections applied ?
If yes - were raw data generated before
application of background corrections ?

Yes/No YES

Yes/No NO

Comments:

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on floppy diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: _____

Name: _____

Date: _____

Title: _____

COVER PAGE - IN

SW-846

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SLD02609

Lab Name: QUANTERRA MO
Lab Code: ITMO Case No.:
Matrix (soil/water): SOIL
Level (low/med): LOW
% Solids: 84.1

Contract: 795.11

SAS No.:

SDG No.: 22391

Lab Sample ID: 22391-003

Date Received: 10/13/99

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	7.7		P	
7440-43-9	Cadmium	0.50	B	P	

Color Before: _____
Color After: _____

Clarity Before: _____
Clarity After: _____

Texture: _____
Artifacts: _____

Comments:

FORM I - IN

SW-846

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SLD02640

Lab Name: QUANTERRA MO
Lab Code: ITMO Case No.:
Matrix (soil/water): SOIL
Level (low/med): LOW
% Solids: 75.8

Contract: 795.11
SAS No.: SDG No.: 22391
Lab Sample ID: 22391-004
Date Received: 10/13/99

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	11.0	-	P	
7440-43-9	Cadmium	0.07	B	P	

Color Before: _____
Color After: _____

Clarity Before: _____
Clarity After: _____

Texture: _____
Artifacts: _____

Comments:

FORM I - IN

SW-846

Data is incomplete without Case Narrative

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SLD02659

Lab Name: QUANTERRA MO
Lab Code: ITMO Case No.: _____
Matrix (soil/water): SOIL
Level (low/med): LOW
% Solids: 75.9

Contract: 795.11

SAS No.

SDG NO. : 22391

Lab Sample ID: 22391-006

Date Received: 10/13/99

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Color Before: _____
Color After: _____

Clarity Before: _____
Clarity After: _____

Texture: _____
Artifacts: _____

Comments:

FORM I - IN

SW-846

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U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

Lab Name: QUANTERRA MO
Lab Code: ITMO Case No.: _____
Matrix (soil/water): SOIL
Level (low/med): LOW
% Solids: 85.9

Contract: 795.11 | 5356166
SAS No.: SDG No.: 22331
Lab Sample ID: 22331
Date Received: 10/13/99

Concentration Units (ug/L or mg/kg dry weight) : MG/KG

Color Before: _____
Color After: _____

Clarity Before: _____
Clarity After: _____

Texture: _____
Artifacts: _____

Comments:

FORM I - IN

SW-846

Data is incomplete without Case Narrative

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SLD02676

Lab Name: QUANTERRA MO
Lab Code: ITMO Case No.: _____
Matrix (soil/water): SOIL
Level (low/med): LOW
% Solids: 80.8

Contract: 795.11

SAS No.:

SDG No.: 22391

Lab Sample ID: 22391-005

Date Received: 10/13/99

Date Received: 10/13/99

3.3.3. CO_2/CO

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Color Before: _____
Color After: _____

Clarity Before: _____
Clarity After: _____

Texture: _____
Artifacts: _____

Comments:

FORM I - IN

SW-846

Data is incomplete without Case Narrative

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SLD02677

Lab Name: QUANTERRA MO
Lab Code: ITMO Case No.: _____
Matrix (soil/water): SOIL
Level (low/med): LOW
% Solids: 70.0

Contract: 795.11 SDG No.: 22391
SAS No.: Lab Sample ID: 22391-002
 Date Received: 10/13/99

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Color Before: _____
Color After: _____

Clarity Before: _____
Clarity After: _____

Texture: _____
Artifacts: _____

Comments:

FORM I - IN

SW-846

Data is incomplete without Case Narrative

Quanterra - St. Louis

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SLD02681

Lab Name: QUANTERRA MO
Lab Code: ITMO Case No.:
Matrix (soil/water): SOIL
Level (low/med): LOW
% Solids: 87.8

Contract: 795.11 | SDG No.: 22391
SAS No.: Lab Sample ID: 22391-007
 Date Received: 10/13/99

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Color Before: _____
Color After: _____

Clarity Before: _____
Clarity After: _____

Texture: _____
Artifacts: _____

Comments:

FORM I - IN

SW-846

Quanterra - St. Louis

U.S. EPA - CLP

3
BLANKS

Lab Name: QUANTERRA MO _____

Contract: 795.11 _____

Lab Code: ITMO Case No.: _____ SAS No.: _____ SDG No.: 22391 _____

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L)						Prepa- ration Blank	C	M
			1	C	2	C	3	C			
Arsenic	2.6	B	1.7	U	3.6	B	—	—	0.075	—	—
Cadmium	1.6	B	0.3	B	1.0	B	—	—	0.030	U	E

FORM III - IN

SW-846

Quanterra - St. Louis

U.S. EPA - CLP

4
ICP INTERFERENCE CHECK SAMPLE

Lab Name: QUANTERRA MO

Contract: 795.11

Lab Code: ITMO Case No.:

SAS No:

SDG No.: 22391

ICP ID Number: TJA61E

ICS Source: SOL+/SPX

Concentration Units: ug/L

FORM IV - IN

SW-846

Quanterra - St. Louis

U.S. EPA - CLP

7
LABORATORY CONTROL SAMPLE

Lab Name: QUANTERRA MO

Contract: 795.11

Lab Code: ITMO Case No.: _____ SAS No.: _____ SDG No.: 22391 _____

Case No.:

SAS No.: _____ SDG No.: 22391

SDG No.: 22391

Solid LCS Source: ERA

Aqueous LCS Source:

FORM VII - IN

SW 846

Data is incomplete without Case Narrative

Quanterra - St. Louis

U.S. EPA - CLP

¹⁰
Instrument Detection Limits (Quarterly)

Lab Name: QUANTERRA MO
Lab Code: ITMO Case No.:
ICP ID Number: TJA61E
Flame AA ID Number :
Furnace AA ID Number :

Contract: 795.11
SAS No.: SDG No.: 22391
Date: 10/01/99

Comments:

FORM X - IN

SW-846

Quanterra - St. Louis

U.S. EPA - CLP

11A

Lab Name: QUANTERRA MO

Contract: 795.11

Lab Code: ITMO **Case No.:** **SAS No.:** **SDG No.:** 22331

ICP ID Number: TJA61E **Date:** 10/01/99

Comments:

FORM XI (Part 1) - IN

SW-846

Data is incomplete without Case Narrative

U.S. EPA - CLP

11B
ICP Interelement Correction Factors (Annually)

Lab Name: QUANTERRA MO

Contract: 795.11

Lab Code: ITMO Case No.: _____

SAS No.: _____ SDG No.: 22591 _____

ICP ID Number: TJA61E

Date: 10/01/99

Comments :

FORM XI (Part 2) - IN

SW-846

Quanterra - St. Louis

U.S. EPA - CLP

11B
ICP Interelement Correction Factors (Annually)

Lab Name: QUANTERRA MO _____ Contract: 795.11 _____
Lab Code: ITMO _____ Case No.: _____ SAS No.: _____ SDG No.: 22391 _____
ICP ID Number: TJA61E _____ Date: 10/01/99

Analyte	Wave-length (nm)	Interelement Correction Factors for :			
		TH	TH	U_	U_
Arsenic	189.04	0.0000000	-0.0000000	-0.0000600	0.0000000
Cadmium	226.50	-0.0000270	-0.0000000	-0.0000000	-0.0000000

Comments:

FORM XI (Part 2) - IN

SW-846

Quanterra - St. Louis

U.S. EPA - CLP

12
ICP LINEAR RANGES (QUARTERLY)

Lab Name: QUANTERRA MO _____

Contract: 795.11 _____

Lab Code: ITMO _____ Case No.: _____

SAS No.: _____ SDG No.: 22391 _____

ICP ID Number:TJA61E _____

Date: 10/01/99

Analyte	Integ. Time (sec.)	Concentration (ug/L)	M
Arsenic	6.00	25000.0	P
Cadmium	6.00	20000.0	P

Comments:

FORM XII - IN

SW-846

Quanterra - St. Louis

U.S. EPA - CLP

13
PREPARATION LOG

Lab Name: QUANTERRA MO _____

Contract: 795.11 _____

Lab Code: ITMO _____ Case No.: _____ SAS No.: _____ SDG No.: 22391 _____

Method: P _____

EPA Sample No.	Preparation Date	Weight (gram)	Volume (mL)
LCSS209731	10/24/99	1.00	100
PBS209731	10/24/99	1.00	100
SLD02601	10/24/99	1.00	100
SLD02609	10/24/99	1.00	100
SLD02640	10/24/99	1.00	100
SLD02659	10/24/99	1.00	100
SLD02669	10/24/99	1.00	100
SLD02676	10/24/99	1.00	100
SLD02677	10/24/99	1.00	100
SLD02681	10/24/99	1.00	100
SLD02743	10/24/99	1.00	100
SLD02783	10/24/99	1.00	100

FORM XIII - IN

SW-846

¹⁴
ANALYSIS RUN LOG

Lab Name: QUANTERRA_MO_____

Contract: 795.11_____

Lab Code: ITMO_____ Case No.: _____

SAS No.: _____ SDG No.: 22391_____

Instrument ID Number: TJA61E_____

Method: P_____

Start Date: 10/24/99

End Date: 10/25/99

EPA Sample No.	D/F	Time	% R	Analytes		
				A S	C S	D
S0	1.00	2202		X	X	-
S	1.00	2207		X	X	-
S	1.00	2211		-	-	-
S	1.00	2214		-	-	-
ICV	1.00	2219		X	X	-
ICB	1.00	2223		X	X	-
ICSA	1.00	2227		X	X	-
ICSAB	1.00	2231		X	X	-
PBS209731	1.00	2236		X	X	-
LCSS209731	1.00	2240		X	X	-
ZZZZZZ	1.00	2245		-	-	-
ZZZZZZ	1.00	2249		-	-	-
ZZZZZZ	1.00	2253		-	-	-
ZZZZZZ	5.00	2257		-	-	-
SLD02601	1.00	2301		X	X	-
SLD02677	1.00	2306		X	X	-
CCV	1.00	2310		X	X	-
CCB	1.00	2314		X	X	-
SLD02609	1.00	2318		X	X	-
SLD02640	1.00	2322		X	X	-
SLD02676	1.00	2327		X	X	-
SLD02659	1.00	2331		X	X	-
SLD02681	1.00	2335		X	X	-
SLD02669	1.00	2339		X	X	-
SLD02783	1.00	2343		X	X	-
SLD02743	1.00	2347		X	X	-
ICSA	1.00	2351		X	X	-
ICSAB	1.00	2355		X	X	-
CCV	1.00	0000		X	X	-
CCB	1.00	0004		X	X	-
				-	-	-
				-	-	-
				-	-	-
				-	-	-
				-	-	-
				-	-	-
				-	-	-
				-	-	-
				-	-	-

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