IOWA Army Ammunition Plant
RESTORATION ADVISORY BOARD

FUSRAP Update

22 April 2008
FUSRAP Progress Report

• Draft Remedial Investigation Report Under Review by Regulators

• Draft RI Report published February 8, 2008

• RI Report covers:
  – Firing Sites Area
  – Yard C
  – Yard G
  – Yard L
  – Yard E (portion)
  – Yard F (portion)
  – Warehouse 3-01
  – Area west of Line 5B
Remedial Investigation Preliminary Findings

- **Yard L** – Sampling complete; no further action planned.
- **Yard G** – Sampling complete; no further action planned.
- **Yard C** – Sampling complete; no further action planned.
- **Warehouse 301** - Survey complete; no further action planned.
- **Yard E (portion)** -- Sampling complete; no further action planned.
- **Yard F (portion)** -- Sampling complete; no further action planned.
- **Area West of Line 5b** - Sampling complete; no further action planned.
- **Firing Site 1 & 2** – Radiological contamination identified adjacent to the road; further evaluation required.
- **Firing Site 3, 4, & 5** – Radiological contamination identified adjacent to the loading dock at FS-5; further evaluation required.
- **Firing Site 6, 7, & 8** – Radiological, explosive, and metals contamination identified; further evaluation required.
- **Firing Site 12** – Radiological contamination identified; further evaluation required.
Isolated DU Locations at Firing Sites

FS 6, 7, 8 & 15
FS 3, 4 & 5
FS 1 & 2

DU found during
Gamma Walkover Survey

LEGEND:
CPM
- 0 - 10000
- 10001 - 15000
- 15001 - 20000
- 20001 - 50000
- > 50000

Firing Site Survey Boundaries

Iowa-South State Plane
(NAD 83, Meters)

0 80 160
0 80 160

Firing Sites
Iowa Army Ammunition Plant
Burlington, Iowa

DRAFT

IAAAP Firing Sites 1-6 Gamma Walkover Survey
Explosives Constituents at FS-6 Area

LEGEND:
- Explosive Sampling Locations with Results > TNOG
- Explosive Sampling Locations with Results < TNOG
- Firing Site Boundary

Note: Samples with the prefix "IAAP" were collected by SAIC for the FUSRAP Remedial Investigation. All other samples were collected by TN & Associates, Inc. pursuant to TNAR, 2002.
Metals Constituents at FS-6 Area

Note: Samples with the prefix "IAAP" were collected by IAC for the FUSRAP Remedial Investigation. All other samples were collected by TN & Associates, Inc. pursuant to TN&IA, 3602.
RI Preliminary Summary

• No DU found at:
  – Yard C
  – Yard G
  – Yard L
  – Yard E (portion)
  – Yard F (portion)
  – Area west of Line 5b
  – Warehouse 3-01

• Isolated DU pieces found in soil at:
  – FS 1 & 2
  – FS-5
  – FS-6 Area

• Widespread DU pieces found in soil at:
  – FS-12

• Chemical constituents (metals and explosives) at levels above PRGs were found in soils at:
  – FS-6 Area (FS-6, 7, 8)
Line 1 and WBP (South)

- Remedial design underway

  - **Line 1**: No DU in soil. Found metals, explosives, SVOCs and PCBs at levels greater than ROD RGs.

  - **WBP (South)**: No DU in soil. Found metals and explosives at levels greater than ROD RGs.
Line 1 Explosives

LEGEND:
- Explosive Sample Locations with Results > PBO3
- Explosive Sample Locations with Results < PBO3
- Site Boundaries
- Line 1 Survey Boundary

Iowa-South State Plane (NAD 83, Meters)

IAAAP Line 1 Explosive Sample Locations
Line 1 Metals
Line 1 PCBs

LEGENED:
△ PCBs Sample Locations with Results > PRO
▲ PCBs Sample Locations with Results < PRO
 BufferedReader
 Line 1 Survey Boundary

IAAAP Line 1 PCBs Sample Locations
Do we have a figure for WBP (in this case for explosives) to mimic the preceding Line 1 figures?
Work Planned for Next Three Months

- Receive/resolve regulator comments on Draft RI Report.
- Submit Draft Remedial Design for regulator review
Questions