Tonight’s Agenda

- Poster session with subject matter experts  5:00pm
- Facilitator Comments  6:00pm
- Program Manager’s Briefing  6:05pm
- Public Comments  6:20pm
- Facilitator Summation and Conclusion  ?
Proposed Plan
Iowa Army Ammunition Plant (IAAAP)

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

May 17, 2011
What is FUSRAP?

The Formerly Utilized Sites Remedial Action Program or FUSRAP is a national program.

- FUSRAP identifies and addresses contamination resulting from the nation’s early atomic weapons program
- Originally managed by Dept of Energy
- In October 1997 Congress transferred FUSRAP execution from the Dept of Energy to the Army Corps of Engineers
- Follows the CERCLA process
- Requires investigations to protect public health, welfare, and the environment.
The Question is:

Why is FUSRAP interested in the Iowa Army Ammunition Plant?
Iowa Army Ammunition Plant (IAAAP): Background

- Active, secure, government-owned, contractor-operated facility that occupies approximately 19,000 acres.

- Added to the National Priority List (NPL) in August 1990.

- Ongoing Army cleanup program under Dept of Defense Installation Restoration Program by Army.

- Current and expected future land use is industrial/military.

- Operational ranges exist on the plant.
Iowa Army Ammunition Plant (IAAAP): FUSRAP

- Atomic Energy Commission (AEC) operated on approximately 1600 acres of the IAAAP from 1947 until 1975. (Burlington Atomic Energy Commission Plant – BAEC)

- Former AEC activities included: administrative functions, photography, storage of materials, assembly of self contained components and munitions testing.

- In March 2000, after performing historical research, Dept of Energy determined that some former AEC portions of IAAAP may contain contamination

- In 2001 the site was included in FUSRAP.
FUSRAP Scope

- FUSRAP is authorized to address contamination resulting from AEC activities and consequently its focus is on former AEC areas.

- FUSRAP Areas addressed in the Proposed Plan:
  - Line 1 (structures only)
  - Firing Sites Areas (consisting of 5 subareas) soils and structures
  - Yard C soil and structures
  - Yard G soil and structures
  - Yard L soil (areas surrounding Warehouses L-37-1, L-37-2, and L-37-3)
  - Warehouse 3-01 structure (building interiors)
<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
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<tbody>
<tr>
<td>2001</td>
<td>IAAAP added to FUSRAP</td>
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<tr>
<td>2000 to 2007</td>
<td>Soil, sediment, buildings studied</td>
</tr>
<tr>
<td>October 2008</td>
<td>Remedial Investigation Report</td>
</tr>
<tr>
<td>April 2011</td>
<td>Feasibility Study and Proposed Plan</td>
</tr>
<tr>
<td>April 22, 2011</td>
<td>Public Comment period begins</td>
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<tr>
<td>May 17, 2011</td>
<td>Public Meeting</td>
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<tr>
<td>May 22, 2011</td>
<td>30-day public comment period ends May 22, 2011</td>
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<tr>
<td>Later this year</td>
<td>Record of Decision</td>
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So what about the Alternatives?

- They address Depleted Uranium (DU) in soil and on structures.
- In the soil, it exists as fragments (“chunks”) and occasionally as fine particles.
- Four alternatives for soil were identified.
- On structures, it was found in filters and on a metal sump grate in two buildings at Line 1.
- Three alternatives for structures were identified.
Feasibility Study (FS)

- **Remedial Alternatives for Soil**

  - **Alternative 1:** No Action for Soil – *Estimated Cost: $0*
  - **Alternative 2:** Land Use Controls for Soil - *Estimated Cost $2.3 million*
  - **Alternative 3:** Excavation of DU-Contaminated Soil with Off-Site Disposal – *Estimated Cost $50.4 million*
  - **Alternative 4:** Excavation of DU-Contaminated Soil with Physical Treatment and Off-Site Disposal – *Estimated Cost $45.2 million*

(A fact sheet is available tonight & the report is available online.)
Remedial Alternatives for Structures

- **Alternative S1**: No Action for Structures - Estimated Cost: $0
- **Alternative S2**: Land Use Controls for Structures - Estimated Cost $286,000
- **Alternative S3**: Decontamination/Replacement of Structures – Estimated Cost $103,000

(A fact sheet is available tonight & the report is available online.)
Proposed Plan (PP)

- USACE considered CERCLA evaluation criteria
- USACE recommends:
  - Industrial cleanup levels for DU for soil and structures. (Soil – 150 pCi/g and Structure - 23,000 dpm/100 cm²)
  - Alternative 4: Excavation of DU-Contaminated Soil with Physical Treatment and Off-Site Disposal
  - Alternative S3: Decontamination/Replacement of Structures

(A fact sheet is available tonight & the plan is available on-line.)
What this means to you

The USACE encourages public input.

What you can do:

1. Learn more
   - www.mvs.usace.army.mil/eng-con/expertise/fusrap.html
   - www.iaaap.adminrecord.com
   - www.iowaaap-irp.com

2. Send us your thoughts:
   - Written comments may be submitted to the USACE at any time during the 30-day period (including tonight.) Oral comments will be recorded tonight.
We’d like to hear from you…

Written comments may be mailed during the 30-day comment period to:

U.S. Army Corps of Engineers, St. Louis District
FUSRAP Project Office
8945 Latty Ave/ Berkeley, MO 63134

Written comments may also be faxed to:
314-260-3941

Oral Comments – May be submitted now.