

Status of SAIC Performance-Based Acquisitions (PBA)

Ravenna Army Ammunition Plant (RVAAP)
Ravenna, Ohio

Presented by:

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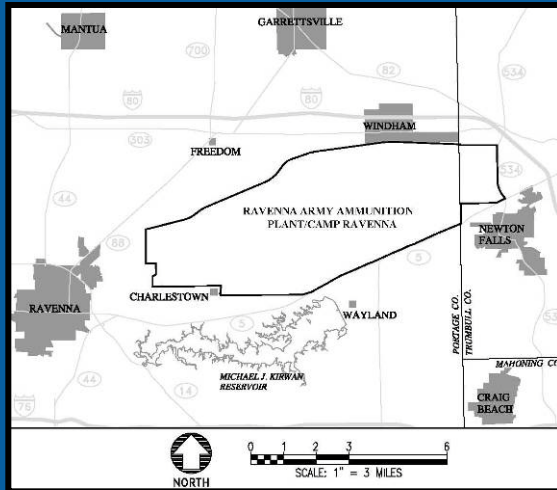
June 20, 2012

Presentation Agenda

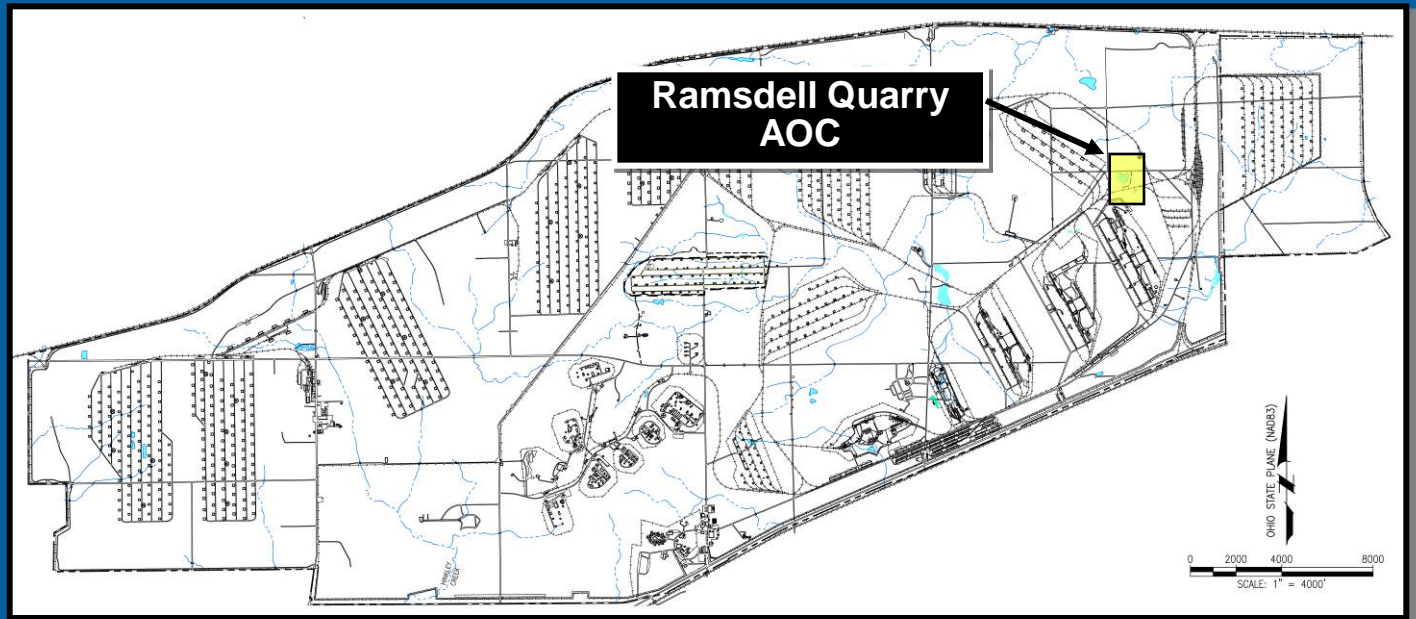
- Ramsdell Quarry
- Status of 2008 PBA Activities
- Questions

Ramsdell Quarry

Location



Ramsdell Quarry Area of Concern (AOC) encompasses approximately 14 acres in the northeastern part of RVAAP/Camp Ravenna. Ramsdell Quarry is designated as RVAAP-01.



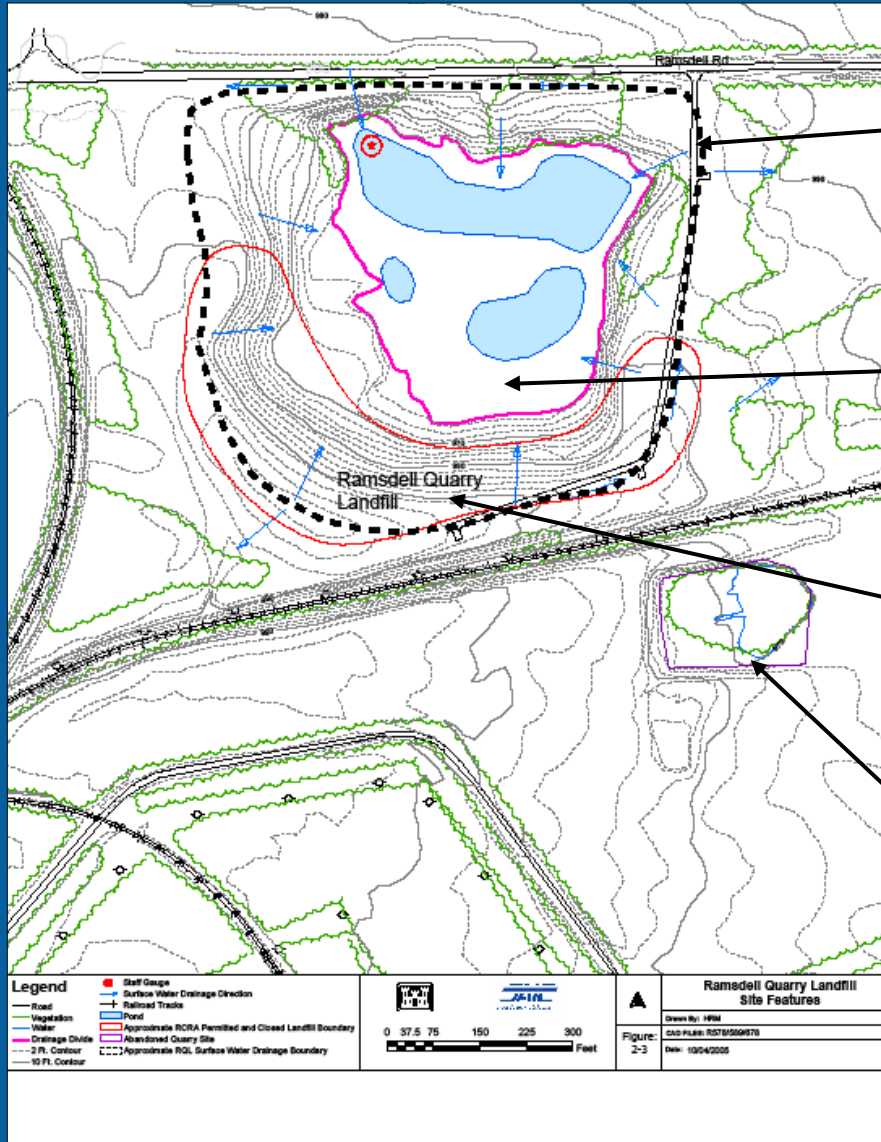
Ramsdell Quarry

Historical Operations



- Stone quarry during RVAAP construction.
- 1946 to 1950s – bulk explosives and possibly some munitions destroyed by open burning.
- 1976 to 1990 – part of the quarry was a nonhazardous solid waste landfill. Regulated separately.
- 1990 – landfill closed under Ohio solid waste regulations and 2-ft clay cover installed.
- Since 1990 – groundwater monitoring and clay cover maintenance for the landfill.

Ramsdell Quarry Site Map



**Area of Concern Boundary
(approximate)**

**Thin soil layer and intermittent
wetland lie in bottom of quarry.**

**Former closed landfill covers
about 4 acres of the 14-acre
AOC.**

**Small stone quarry outside of
AOC –
no soil present.**

Ramsdell Quarry

Activities to Date

- Five semi-volatile organic compounds exceed preliminary cleanup goals for intended land use.
- Proposed Plan and Record of Decision completed and approved fall 2009.
- Remedial action commenced July 2010 – excavation and offsite disposal of soil.



- Encountered substantial construction debris, with transite and roofing material confirmed to be asbestos containing material (ACM).
- Removed 1,100 tons of contaminated soil and debris with visible ACM.

Ramsdell Quarry Remedial Action

Activities to Date

- Discovery of ACM:
 - Invokes additional Ohio regulatory requirements.
 - Increases worker safety measures and special waste disposal requirements.
 - Increases potential for excavation/disturbance of sensitive habitat (wetlands).



- Engineering Evaluation completed September 2011 per USEPA guidance.
- Re-evaluated remedial alternatives in light of changed conditions.

Ramsdell Quarry Remedial Action

Path Forward



- Objectives from the Engineering Evaluation
 - The RAO for RQL will remain the same: prevent Security Guard/Maintenance Worker exposure to contaminants in soil and dry sediment.
 - Prevent disturbance and potential exposures to any residual ACM.
- Engineering Evaluation recommended alternative:
 - Install security fence around entirety of the Ramsdell Quarry AOC.
 - Remove any remaining surface ACM using non-intrusive methods.
 - Physical and administrative land use controls to prevent access.
- Complete Modified Proposed Plan and Public Meeting.
- Complete Record of Decision Amendment.
- Implement Remedy.

Status of Activities Under the 2008 Performance-Based Acquisition *PBA08 Remedial Investigations/Feasibility Studies (RI/FS) at 17 AOCs*

- Field sampling performed from February to April 2010.



- 793 soil, sediment, and water samples.
- ACM surveys for all 17 AOCs.

Status of Activities Under the 2008 Performance-Based Acquisition PBA08 Remedial Investigations/Feasibility Studies (RI/FS) at 17 AOCs



- CERCLA reporting phase ongoing:
 - Assessing results from the Remedial Investigations.
 - Evaluating potential remedial alternatives in Feasibility Studies.
 - Potential remedial alternatives are being reviewed by the Ohio EPA and U.S. Army.
 - Preparing Proposed Plans to present Recommended Alternatives to the public at public meetings.

Status of Activities Under the 2008 Performance-Based Acquisition Facility-wide Sewers Investigation



- 292 sewer sediment and water samples and 90 pipe bedding samples using direct push rigs and trench sectioning.
- Video survey on 3,590 ft of sewer line.



- Visual survey of sanitary and storm sewers:
 - ~800 manholes/inlets.
 - 26 miles of sewer lines.

Status of Activities Under the 2008 Performance-Based Acquisition Facility-wide Sewers Investigation



- CERCLA reporting phase ongoing:
 - Assessing results from the Remedial Investigations.
 - Evaluating potential remedial alternatives in Feasibility Studies.
 - Potential remedial alternatives are being reviewed by the Ohio EPA and U.S. Army.
 - Preparing Proposed Plans to present Recommended Alternatives to the public at public meetings.



Questions?