

Status of SAIC Performance-Based Acquisitions (PBA)

Ravenna Army Ammunition Plant (RVAAP)
Ravenna, Ohio

Presented by:

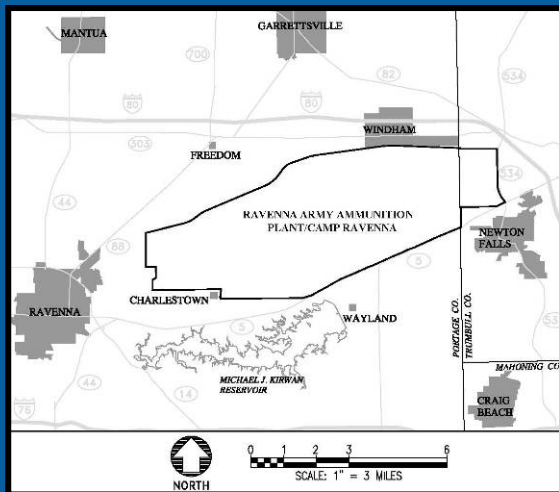
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July 14, 2010

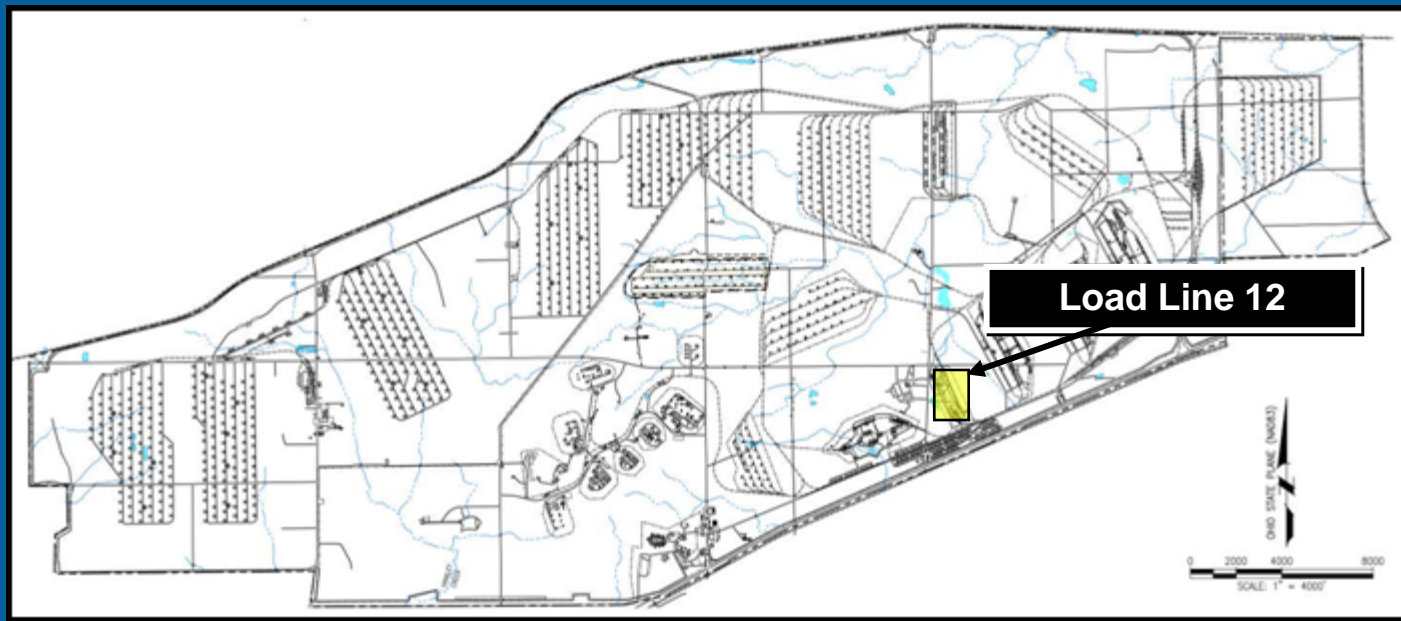
Presentation Agenda

- Load Line 12 Remedial Action
- Status of Remaining 2005 PBA Activities
- Status of 2008 PBA Activities
- Questions

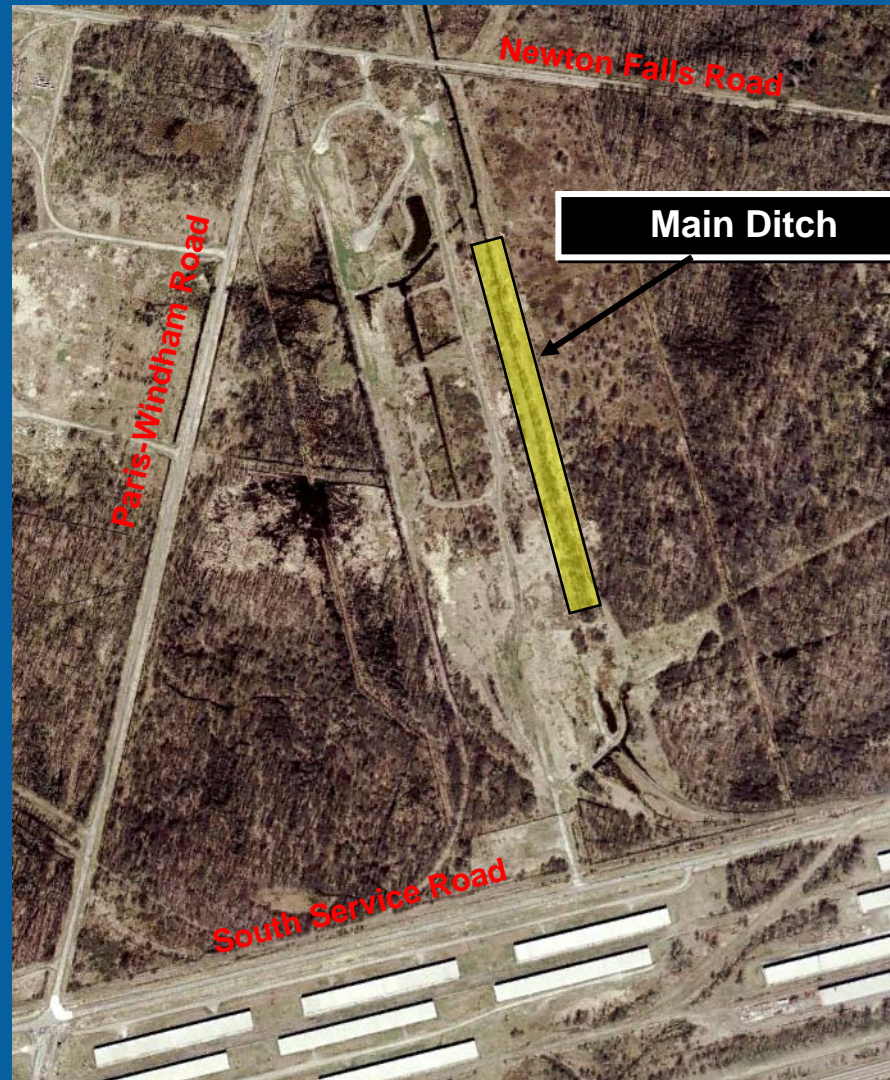
Load Line 12 Remedial Action Location



Load Line 12 encompasses approximately 80 acres in the south eastern part of RVAAP/Camp Ravenna. Load Line 12 is designated as RVAAP-12.



Load Line 12 Remedial Action Site Map



Load Line 12 Remedial Action Past and Future Land Uses



- Load Line 12 was originally known as the Ammonium Nitrate Plant ~ operations started in November 1941.
- In 1944, three buildings in Load Line 12 were converted for demilitarization of munitions.
- From 1946 to 1950, Load Line 12 was privately contracted to produce fertilizer-grade ammonium nitrate.
- Currently there are no above ground structures at Load Line 12.

The Load Line 12 anticipated future land use is Mounted Training, No Digging for the National Guard Trainee. This includes operation of wheeled and tracked vehicles for training purposes.

Load Line 12 Remedial Action Previous Investigations



- A Relative Risk Site Evaluation was performed in 1996. Load Line 12 was classified as a High Priority Area of Concern.
- A Phase I Remedial Investigation was performed in 1998 and Phase II RI was performed in 2000 to investigate surface soil, subsurface soil, sediment, surface water, and groundwater.
- A Phase II Remedial Investigation Report was issued in March 2004 to define the vertical and horizontal extent of contamination at the area of concern.

Load Line 12 Remedial Action Investigation Sampling



- A total of 265 soil samples, 326 groundwater samples, 58 sediment samples, and 25 surface water samples have been collected to assess contamination at Load Line 12.
- Data evaluation and risk assessments identified arsenic contamination within the Main Ditch.



- Follow-on sampling took place in 2009 to verify the presence of contamination within the Main Ditch at Load Line 12.

Load Line 12 Remedial Action Investigation Results and Feasibility Study



- Objective of feasibility study was to address contamination in soil and dry sediment at Load Line 12.
- Arsenic was identified as a chemical of concern in dry sediment in the Main Ditch at Load Line 12.
- The cleanup goal for arsenic was established at 31 mg/kg.
- This cleanup goal is protective for the National Guard Trainee.

Load Line 12 Remedial Action Excavation of Main Ditch



The approved remedial action:
**Excavation and Off-Site Disposal
of Contaminated Sediment within
the Main Ditch.**



- Site preparation activities began in January 2010.
- Site preparation activities included:
 - 1) rock construction entrance/exit;
 - 2) silt fencing; and
 - 3) vegetation clearing.

Load Line 12 Remedial Action

Excavation of Main Ditch



- Approximately 1,200 tons of nonhazardous contaminated sediment was excavated from the Main Ditch.
- Excavated dry sediment was disposed at the American Landfill in Waynesburg, Ohio



- 54 truck loads of contaminated sediment were hauled off site.
- All trucks were covered and inspected prior to leaving the project site.

Load Line 12 Remedial Action Confirmation Sampling



- Three multi-increment sediment samples were collected from the Main Ditch upon completion of the excavation.
- The multi-increment samples from the Main Ditch had arsenic concentrations of 20.7 mg/kg, 12.9 mg/kg, and 12.7 mg/kg.



- All three sections were below the cleanup goal of 31 mg/kg for arsenic.
- This area now meets criteria for the National Guard Trainee for soil and dry sediment.

Load Line 12 Remedial Action Site Restoration



- During the week of July 12, 2010, site restoration activities are taking place. These activities include:
 - Re-shaping the Main Ditch to prevent collapsing of sidewalls.
 - Lining the bottom of the ditch with stone.
 - Seeding and mulching disturbed areas for erosion control.
- Inspections of erosion and storm water controls will take place until vegetation is established.
- SAIC anticipates issuing a Preliminary Draft Remedial Action Report within the next two weeks.

Status of Remaining Remedial Actions for 2005 Performance-Based Acquisition



- **Fuze and Booster Quarry Landfill/Ponds**

- A presentation during the March 17, 2010 RAB Meeting described activities.
- 184 tons of contaminated nonhazardous sediment were removed from the Drainage Ditch in October and November 2009.
- Restoration activities were conducted in November 2009.
- The Area of Concern achieved Residential and National Guard Trainee land use standards.
- The Remedial Action Report was approved by Ohio EPA on March 11, 2010.

Status of Remaining Remedial Actions for 2005 Performance-Based Acquisition



- **Ramsdell Quarry Landfill**

- Remedial Action activities started in July 2010 which include removal of chemical contamination in soil.
- At beginning of soil removal, asbestos-contaminated material (ACM) and construction debris was encountered.
- Samples were collected of construction debris for ACM analysis. Results are pending.
- Remedial activities are on hold pending sample results and evaluation of remediation activities.

Status of Activities Under the 2008 Performance-Based Acquisition



- **PBA08 Remedial Investigation**

- Conducted remedial investigation sampling at 17 areas of concern from February to April 2010.
- SAIC evaluating data to determine if additional sampling is required.
- SAIC developing Remedial Investigation Reports and Feasibility Studies to present data and propose remedial alternatives.

- **Facility-wide Sewers Investigation**

- Currently conducting remedial investigation sampling within the Facility-wide Sewers area of concern. Tier II sampling event anticipated for August 2010.
- SAIC developing Remedial Investigation Reports and Feasibility Studies to present data and propose remedial alternatives.



Questions?