



Six Environmental Areas of Concern at Ravenna Army Ammunition Plant

Restoration Advisory Board Meeting

May 18, 2005

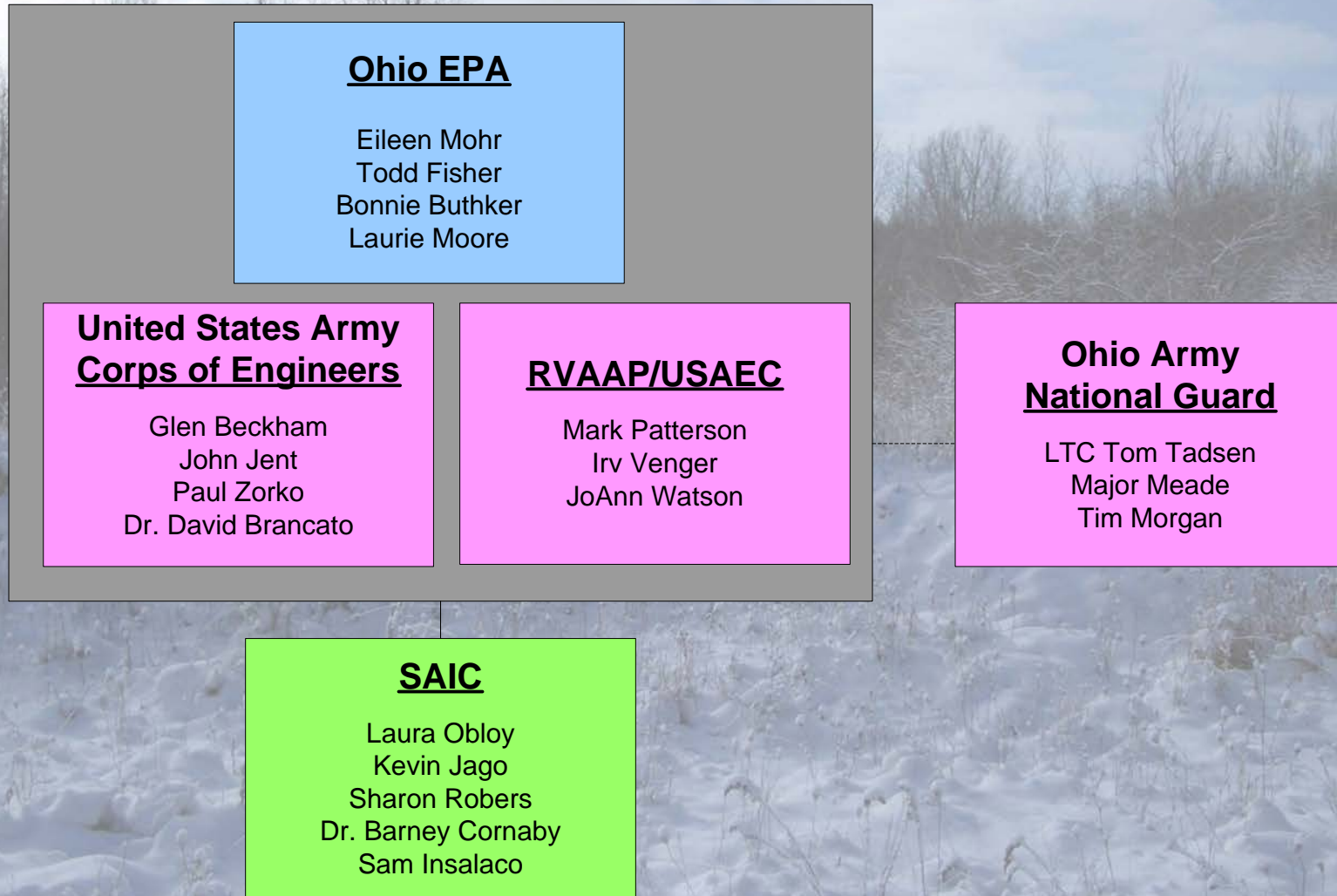
Introduction

- U.S. Army Corps of Engineers (USACE) awarded Performance-Based Contract (PBC) to SAIC
- overview of tonight's presentation:
 - RVAAP project team
 - site background
 - project components and timeline
 - project status and upcoming tasks
 - comments and questions

Introduction (continued)

- Department of Defense has categorized environmental sites into high risk, medium risk, and low risk AOCs
- The Department of Defense has a goal to remediate all high risk AOCs by September 30, 2007
- RVAAP has six remaining AOCs classified as high risk

Project Team/Organization



Six AOCs – Site Location Map



Ramsdell Quarry Landfill

Site Background

- Ten-acre former stone quarry
- Former burning ground for incendiary and napalm munitions
- Ohio EPA permitted solid waste landfill

Soil Contaminants

- explosives
- metals
- semi-volatile organic compounds



Erie Burning Grounds

Site Background

- Thirty-five acre former burning ground
- Burned munitions and explosive contaminated waste from 1941-1951
- Site is 60% aquatic habitat - created by beavers
- Much of the site is high quality wetland

Soil Contaminants

- explosives
- metals
- semi-volatile organic compounds



Open Demolition Area 2

Site Background

- Twenty-five acres used to detonate munitions and bulk explosives from 1948-1992
- Used to bury munitions and ordnance components
- Since 1994, portion used for occasional detonations of munitions (RCRA unit)

Soil Contaminants

- metals
- explosive and propellant compounds



Load Line 12

Site Background

- Eighty-acre former ammonium nitrate manufacturing plant from 1941-1949
- Melt-out explosives from munitions and demilitarization of ordnance
- No buildings at LL12

Soil Contaminants

- metals
- semi-volatile organic compounds
- low PCB concentrations



Fuze and Booster Quarry

Site Background

- Former rock quarry used for open burning and as a landfill
- East of quarry used as impact area to test 40mm projectiles
- Converted to series of 3 sedimentation basins for treatment of backwash from Water Works 3 (1987-93)

Soil Contaminants

- explosives
- metals
- semi-volatile organic compounds



Central Burn Pits Site Background

- Twenty acre site initially used as a staging area for construction materials
- Later used to burn non-explosive combustible scrap and placement of construction/demolition debris
- Sand Creek forms the western boundary, free flowing streams are not present within the AOC.

Soil Contaminants

- metals
- semi-volatile organic compounds



The CERCLA Process

- Working with Ohio EPA and the Army to conduct CERCLA process to close out these 6 AOCs (interim remedy)
- Complete RI Reports and Risk Assessments for all 6 AOCs
 - perform additional sampling at two AOCs
- Consolidate analyses of 6 AOCs into focused evaluation and decision documents:
 - Focus Feasibility Study (FFS),
 - Proposed Plan (PP), and
 - Record of Decision (ROD)

The CERCLA Process to Remedial Action

- Evaluation of available information suggests the following potential Remedial Actions (these are subject to the CERCLA process and Army/Ohio EPA approval):
 - Soils Removal and Land Use Restrictions:
 - Load Line 12, Fuze and Booster Quarry, & Central Burn Pits
 - Physical Controls (e.g., signs, fencing) and Land Use Restrictions:
 - Ramsdell Quarry, Erie Burning Grounds, & Open Demolition Area #2 (with exception of Rocket Ridge Quarry Removal Action)
- All sites will be carried through the CERCLA process
 - Includes stakeholder/local resident input as well as public comment
- All major components of this process require Army and Ohio EPA approval

Project Timeline

Remedial Investigations

Ramsdell Quarry
Landfill

Erie Burning
Grounds

Open Demolition
Area #2

Load Line 12

Fuze and Booster
Quarry

Central Burning
Pits

Feasibility
Study

Proposed
Plan

*Formal
Public Comment
Spring 2006*

Record of
Decision

Remedial
Design

Remedial
Action

Interim
Remedy
Closure
Report

*Note: RAB briefings to be
held periodically throughout
this process.*

Completed
Winter 2005

Completed
Spring 2006

Completed
Spring 2006

Completed
Fall 2006

Completed
Fall 2006

Completed
Summer 2007

Completed
September 30, 2007

Completion Dates

Current Project Status

- Project Kick-off Meeting held April 20, 2005 with Ohio EPA and the Army
- Preliminary Drafts of RI Reports have been completed and Ohio EPA has provided comments on all Preliminary Draft RI Reports
- Developing responses to Ohio EPA comments and updating the RI Reports

Upcoming Project Activities

- Comment Resolution Meeting With Ohio EPA and the Army – May 24-25, 2005
- Complete Draft RI Reports in response to comments
- Conduct any needed additional sampling to support extent delineation
- Development of Focused Feasibility Study

A photograph of a winter landscape. The foreground is covered in a layer of snow, with some dry, brown grasses and small plants poking through. In the middle ground, there is a dense line of bare, leafless trees. The sky is filled with soft, white clouds, and the overall lighting is diffused, typical of an overcast winter day.

Comments & Questions