



Project Update

Time Critical Removal Action (TCRA)

*Rocket Ridge Area of Open Demolition
Area #2 (ODA2)*

Ravenna RAB Presentation

March 16, 2011

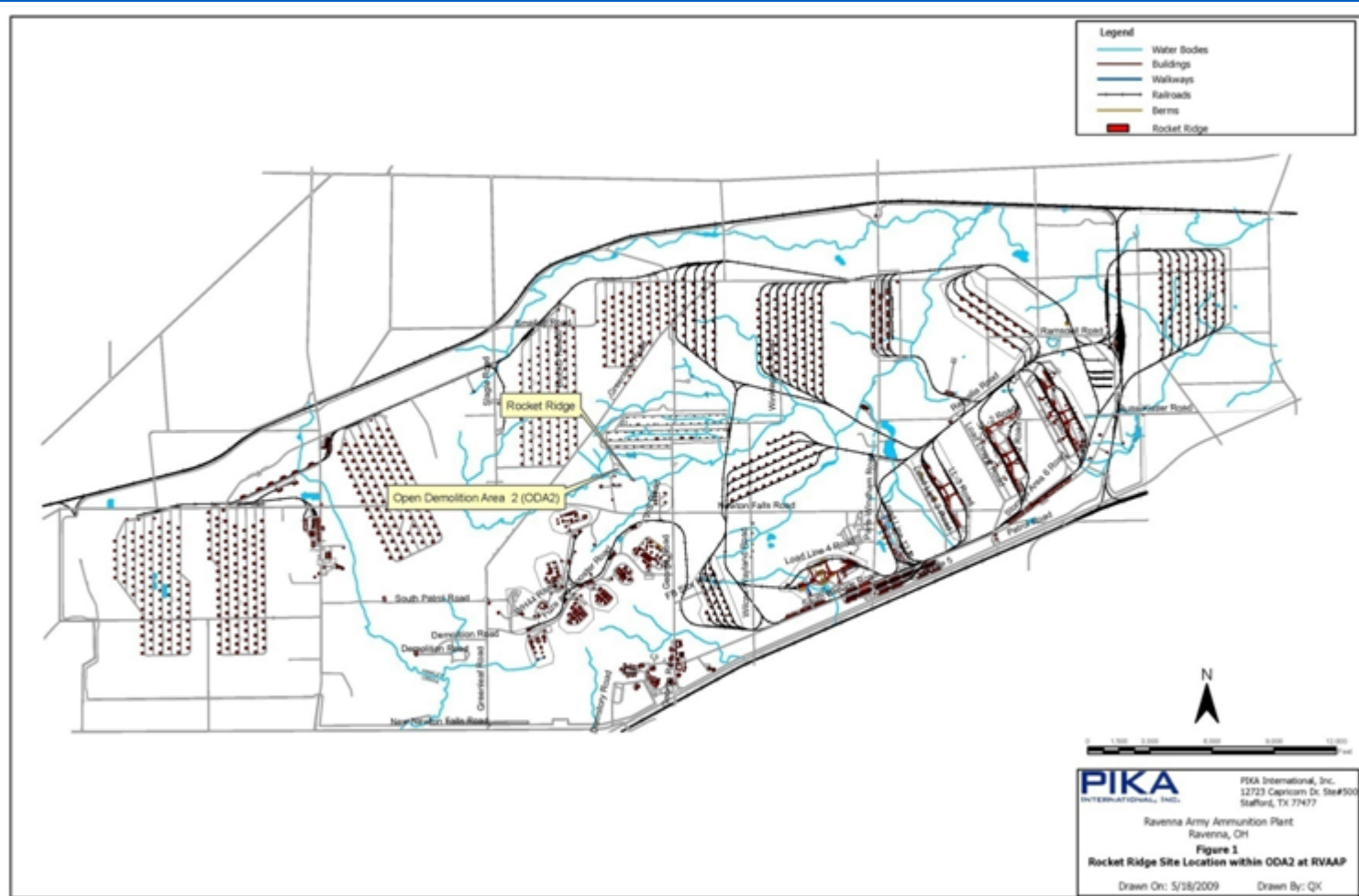


SITE DESCRIPTION

- Rocket Ridge is a steep embankment along Sand Creek within Open Demolition Area #2 (ODA2) .
- ODA2 was used for detonation of munitions for demilitarization purposes.
- Rocket Ridge slope was used for disposal of the demilitarized munitions at ODA2; although not all munitions appear to have been completely demilitarized.
- Rocket Ridge was used during late 1940's to early 1950's.



SITE LOCATION WITHIN THE RVAAP



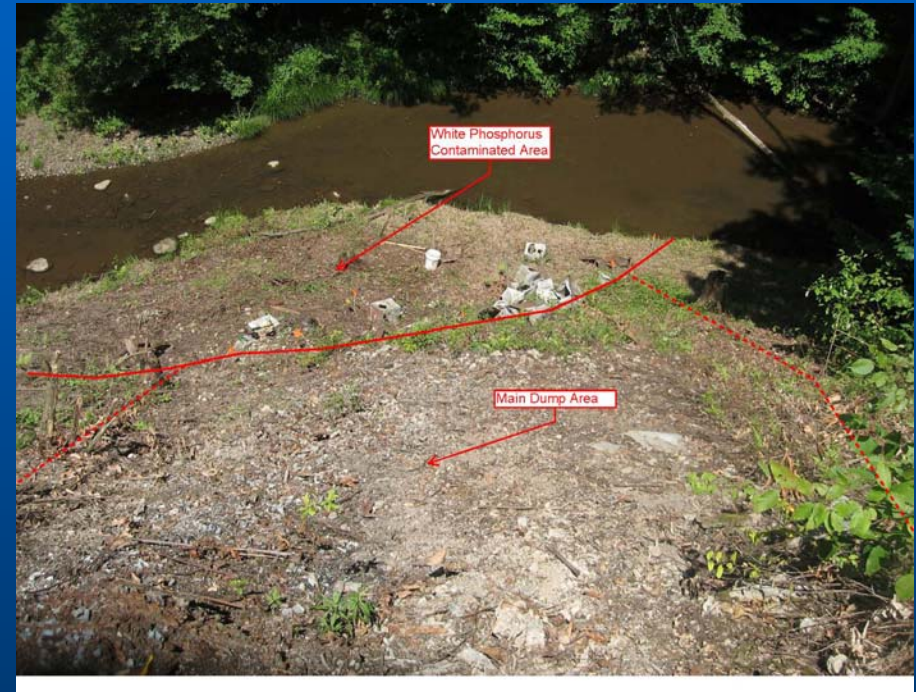


ROCKET RIDGE SITE LOCATION





VIEWS OF ROCKET RIDGE SITE





OBJECTIVES OF TCRA

- Remove all Munitions and Explosives of Concern (MEC) and Munitions Debris (MD).
- Remove all white phosphorus contaminated materials.
- Collect confirmation soil samples to verify removal.
- Restore the site.
- Prepare Removal Action Report (RAR) to describe in detail the actions taken to remove the MEC, MD and white phosphorus contamination at the site.



TCRA TASKS COMPLETED TO DATE

- MEC clearance within stream diversion work area – completed 11-18-10.
- Stream diversion – completed 12-10-10.
- Excavation and removal of main dump area – completed 2-3-11.



MEC CLEARANCE OPERATIONS COMPLETED 11-18-10





STREAM DIVERSION OPERATIONS COMPLETED 12-10-10





OVERVIEW OF COMPLETED DIVERSION CHANNEL





FEBRUARY 28, 2011 FLOOD EVENT BEFORE, DURING AND AFTER - STREAM DIVERSION FUNCTIONED AS DESIGNED





EXCAVATION AND REMOVAL OF MAIN DUMP AREA





CURRENT TCRA OPERATIONS – MEC AND MD REMOVAL OF EXCAVATED MATERIAL USING MAGNETIC SEPARATION PROCESS





MEC AND MD ITEMS REMOVED DURING SEPARATION PROCESS





PROJECTED SCHEDULE FOR REMAINING TASKS

- Process excavated material through ferrous and non-ferrous separator to remove munitions related items. Early April 2011.
- Remove, containerize and stage white phosphorus contaminated material. March - May 2011
- Confirmation sampling. May - June 2011.
- Munitions and munitions debris survey of Sand Creek. May 2011.
- Site Restoration. June 2011.



ROCKET RIDGE 2010 TCRA

- QUESTIONS?