

FUZE AND BOOSTER QUARRY LANDFILL/PONDS

SITE DESCRIPTION

This AOC operated during the period 1945 through 1993. The AOC consists of three ponds in an abandoned rock quarry. The ponds are 20 to 30 ft deep and are separated by earthen berms. Prior to 1976, the quarry was reportedly used for open burning and as a landfill. The debris from the burning/landfill was reported to have been removed during pond construction. From 1976-93, spent brine regenerate and sand filtration backwash water from one of the RVAAP drinking water treatment plants was discharged into the ponds. This discharge was regulated under a NPDES permit. In 1998, this AOC was expanded to include three other shallow settling ponds and two debris piles, bringing the AOC to ~45 acres. The lands adjacent to the quarry were utilized as an impact area to test 40mm projectiles and to incinerate/deactivate fuze and booster components.

STATUS

REGULATORY: CERCLA
RRSE: High
CONTAMINANTS: Metals, Explosives
MEDIA OF CONCERN: Soil, Sediment, Surface Water, Groundwater

PHASES	Start	End
PA	198802	198804
SI.....	198906	198906
RI	200212	200611
RD	200506	200611
RA(C).....	200506	200709
LTM	200710	201309

RC Expected: 200709

Constituents of concern include explosive compounds and heavy metals. There is a potential for release of contaminants to the groundwater, soils and surface water/sediment from this AOC.

The Phase II RI field work was completed in November 2003. Perchlorate was detected in two surface water samples (preliminary results); a second round of confirmatory samples showed no detectable levels of perchlorate. An additional sampling event may be required. The preliminary draft of the Phase II RI was submitted in January 2005. This is one of the six AOCs in the FY05 PBC.

CLEANUP STRATEGY

This AOC will be transferred to OHARNG in FY09+

A RD/RA of sediment and/or debris removal may be needed. Land Use Controls of mounted training and no digging are anticipated. The Integrated Natural Resources Management Plan will be implemented on AOC.



Currently this area is used for permitted wetlands access for waterfowl hunting and trapping. Future end uses include using water for fire suppression, dust control, trapping and fishing.