

RVAAP-04

OPEN DEMOLITION AREA #2

SITE DESCRIPTION

This AOC was used since 1948 to detonate large caliber munitions and off-spec bulk explosives that could not be deactivated or demilitarized by any other means due to their condition. Detonation was performed in a backhoe-dug pit with a minimum depth of 4 ft. After detonation, metal parts were picked up and removed from the AOC. The CERCLA (IRP) portion of the AOC is ~25 acres in size. Contaminants of concern at this AOC are white phosphorus, explosives, and heavy metals. Sand Creek bisects the AOC.

A Phase I RI was completed for the AOC in February 1998. The RI found explosives, particularly TNT, and several inorganics including cadmium, lead and mercury in both the surface and subsurface soils.

Concentrations of inorganic compounds in sediment appear to be within the range of AOC-wide background values.

There is a smaller 1.5 acre area regulated under RCRA on the north side of Sand Creek, which was regularly used until 1992 for demolition activities. This area is not eligible for ER,A funding. A USAEHA geotechnical study was conducted at this AOC in 1992, with minor amounts of contamination being detected in the soils. Four groundwater monitoring wells were installed at the AOC as part of the USAEHA study. The wells are currently sampled on a quarterly basis. Low levels of explosives have been periodically detected in RCRA wells within this AOC. Non-IRP funding was used in 1999 and 2000 to remove UXO/OE to a depth of 4 ft in the area of the 1.5 acre RCRA unit. IRP funds are being used to characterize and properly address and dispose of any contaminated soils within eligible areas.

In summer 2002, the Phase II RI field work was completed to better delineate the north side and south side of the AOC. The preliminary draft RI report was submitted in December 2004. The MEC portion (the proposed fence and the Rocket Ridge area) of this AOC is eligible for the Military Munitions Response Program (MMRP- RVAAP-004-R-01). The final facility-wide surface water and sediment report was submitted in February 2005. A future addendum will be funded under RVAAP-34. This is one of the six AOCs in the FY05 PBC.

CLEANUP STRATEGY

This AOC will be transferred to OHARNG in FY09+. The AOC will be Response Complete by September 2007. Long Term Monitoring consisting of five years of groundwater monitoring will follow. Future OHARNG use will be restricted access - no digging. Any bank stabilization, fencing, and UXO removal work is expected to be funded from the MMRP.

STATUS

REGULATORY: CERCLA

RRSE: High

CONTAMINANTS: Explosives, Metals

MEDIA OF CONCERN: Soil, Groundwater, Surface Water, Sediment

PHASES	Start	End
PA	198802	198804
SI	198906	198906
RI	200109	200611
RD	200506	200611
RA	200506	200709
LTM	200710	201309

RC Expected: 200709