

RVAAP-41

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SITE DESCRIPTION

This AOC was used to assemble booster charges for artillery projectiles between 1941 and 1945. Load Line 8 was deactivated and the equipment was removed in 1945.

The relative risk AOC evaluation was completed in 1998 by USACHPPM. The surface soil, groundwater and sediment pathways are considered complete. Five surface soil samples and one groundwater sample were collected from outside of the assembly buildings and analyzed for explosives and metals. The sampling locations were selected based on assembly use. Sample point selection emphasized production and explosives storage buildings. One sediment sample was collected from the small (approximately 10 feet in diameter) settling pond at the AOC and analyzed for the same compounds. No surface water was collected from the settling pond since this pond was found to be an intermittent water source, and it is not significant for the purpose of the RRSE. The subsurface soil used to estimate the groundwater pathway was collected approximately 60 feet north-northwest of Building 2B-1 (down gradient by surface topography). Lead was found in the surface soil at a maximum concentration of 1,000 ppm. No explosives were detected.

The structures in the load line must be removed for future use by the OHARNG. Explosively contaminated buildings must be desensitized using a thermal decomposition process. To prepare for thermal decomposition (TD) of the buildings, transite siding, paint chips, floor sweepings, mercury switches, PCB light ballasts, and other hazardous materials will have to be removed from the buildings where explosive hazards do not pose an unreasonable risk. USEPA must approve thermal decomposition of buildings containing paints with greater than 50 ppm PCBs. The length of time the agency will need is uncertain as the project must undergo a lengthy review process. The restoration program is not funding the TD.

CLEANUP STRATEGY

This AOC will be transferred to OHARNG in FY09+.

A characterization report for fourteen AOCs, including this AOC, is due in December 2005. This report will be used to procure a future PBC for the remaining AOCs at RVAAP. This PBC will take these AOCs to RIP/RC.

Thermal treatment of buildings will be conducted (non-ER,A funds). A RD/RA such as soil removal may be needed. Future use by the OHARNG consists of mounted training with no digging.

STATUS

REGULATORY: CERCLA

RRSE: Medium

CONTAMINANTS: Explosives, Metals

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

PHASES	Start	End
PA	199802	199806
SI	199807	199807
RI	200408	200903
RD	200812	200905
RA(C).....	200905	200912
LTM.....	200912	201412

RC Expected: 200912

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LTM consists of groundwater monitoring of six wells for five years. Land Use Controls may be needed. Future use of this land is restricted access - no digging.

Removal of five lead lined sumps and three hundred feet of associated piping and soils is anticipated in the IRP.

All foundations and footings (to 1 ft bgs) will be removed. Flushing and grouting or removal of the underground utilities will be done as needed (funding source to be determined).

