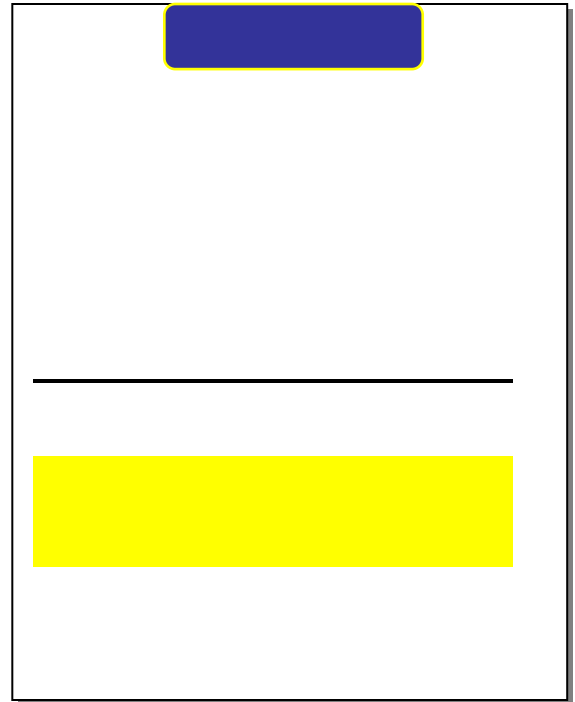


RVAAP-12 LOAD LINE 12

SITE DESCRIPTION

From 1941-43 and 1946, ammonium nitrate was produced at this AOC. From 1949 to 1993, munitions were periodically demilitarized with building wash-down water and waste water from the bomb melt out facility operations being collected in a house gutter system, and flowing through a piping system to two stainless steel tanks. The first tank was used for settling and the second tank was used for filtration. Prior to the 1980s, the water leaked under the building and ponded there. Building wash-down water from Building 904 was also swept out through doorways onto the ground surrounding the building. After 1981, the water was treated in the Load Line 12 wastewater treatment system (RVAAP-18). Contaminants of concern at this unit are explosive compounds and heavy metals. There is a high potential for releases from this unit to the soils, surface water/sediment and groundwater. The original pink water treatment plant servicing Building 904 was officially closed as of May 2000.



A composting pilot study (IRA) using soils contaminated with explosives from the area of Building F-904 was started in 2000. The report from this pilot bioremediation project is final. Samples of environmental media were collected in the fall of 2000. The Phase II RI was finalized in March 2004.

High levels of nitrates exceeding the MCL were detected in the groundwater in this AOC. Metals and explosives were detected in the soil, sediment and groundwater. Metals were detected in surface water. This is one of the six AOCs in the FY05 PBC.

CLEANUP STRATEGY

This AOC will be transferred to OHARNG in FY08.

Soil removal is anticipated. Land Use Controls reflecting the anticipated future use of mounted training and no digging may be imposed. Monitored natural attenuation is anticipated for groundwater remediation for thirty years. Flushing and grouting or removal of the underground utilities may be done as needed. This will be accomplished with non-ER,A funds.

The Final ROD for this AOC is dependent on the signed ROD for the MMRP portion (RVAAP-012-R-01).