

LHAAP-03, FORMER WASTE COLLECTION PAD BUILDING 722-P PAINT SHOP

Site History

LHAAP-03, also known as Site 03, or the Former Waste Collection Pad, is approximately 50 feet to the west of former Building 722-P, Paint Shop (see figure). LHAAP-03 was a waste collection site outside of the paint shop at Building 722-P, located at the Maintenance Shop Area within the boundary of the larger LHAAP-35A(58) site. Various investigations have been conducted at LHAAP-03 to evaluate the nature and extent of soil and groundwater impact at the Site. The groundwater at LHAAP-03 is being addressed as part of the larger LHAAP-35A(58), which includes the entire LHAAP-03 area. Site-related chemicals remaining at LHAAP-03 are the metals arsenic and lead. Multiple soil sampling events were conducted at LHAAP-03 from 2006 through 2007. The samples were analyzed in the laboratory for metals, and soil samples were found to contain lead, arsenic, VOCs, and SVOCs.

Chemicals of Concern

Investigations conducted at LHAAP-03 have identified a small area of lead and arsenic in the soil that requires action. Arsenic may be a potential source for groundwater contamination.

Remedial Alternatives for LHAAP-03

The RAOs for LHAAP-03, which address contamination associated with the media at the site and takes into account the future uses of LHAAP land and groundwater include protection of human health and the environment by minimizing the potential for leaching of COCs from impacted soil into the groundwater.

Preferred Alternative 2

Excavation and Off-Site Disposal

Estimated Present Worth: \$87,878*

*Cost includes plans and reports, management, well abandonment, pre-excavation sampling, excavation, confirmation sampling, waste characterization and disposal, and site restoration.

As part of the Focused Feasibility Study for LHAAP-03, seven remedial technologies/process options were screened as part of this feasibility study based on:

- Their effectiveness
- Implementability
- Cost per the USEPA RI/FS guidance

These alternatives were evaluated to determine the best Remedial Action alternatives to address this small area of shallow soil contamination. The only cost effective alternative is excavation and off-site disposal. The no-action alternative was also evaluated as it is required under Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). The boundary planned for excavation is approximately 70 feet by 10 feet. This creates an area of approximately 700 square feet, with an estimated volume of approximately 57 bank cubic yards. Soil will be excavated down to 2 feet below ground surface except in two areas (outlined in red on the map to the right) which will be excavated past the point of contamination, estimated at 7 feet below ground surface. The estimated length of time for the excavation is 5 days.

