

Department Decision Recommendation

RE: Facility/Site ID #: 221207
Cleanup Site ID #: 3874

Site: Terrace Heights Elementary School City: Terrace Heights County: Yakima

Based on the evaluation of additional remedial actions, I recommend No Further Action be required at the Terrace Heights Elementary (THES) site (Site) because a release of a hazardous substance has occurred but in the department's judgment, does not pose a threat to human health or the environment.

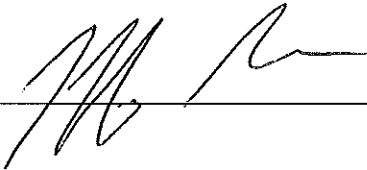
Supporting Criteria:

This site was included in an area-wide lead and arsenic sampling program conducted by the Washington State Department of Ecology (Ecology) which involved collecting samples from schools suspected of having a history of past pesticide use. Soils throughout the property were sampled at various depths from the surface using a core sampler. The samples were analyzed for lead and arsenic using X-Ray Fluorescence Spectroscopy. It was determined that soils at (THES) contained lead and arsenic at concentrations exceeding MTCA Method A cleanup levels.

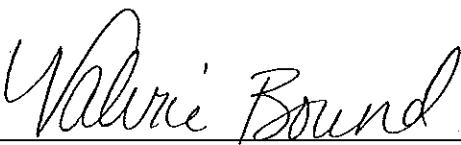
Additional soil sampling was conducted by GN-Northern, Inc., in order to further delineate contamination in soil for remediation. The results of the 55 soil samples taken from the property at THES showed that the lead and arsenic contamination above Method A cleanup levels extended from the surface to depths of 12 to 18 inches; but was observed in some locations as deep as 24 inches below ground surface. The highest level of arsenic detected at the site was 94 parts per million (ppm), compared to the state cleanup standard of 20 ppm. For lead, the highest level detected was 3,190 ppm, compared to the state cleanup standard of 250 ppm.

To prevent exposure to contaminated soil a geotextile barrier and 8-inch cap of clean soil was installed over the existing surface soils. Turf replacement was accomplished with sod and/or hydroseed. Because contamination was not removed from the Site, an environmental restrictive covenant was recorded to ensure the surface cap was maintained and that residual soil contamination was considered during any future development or improvements on the Site.

This Department Decision Recommendation should be reviewed and re-evaluated based on any new information about this site.

Investigator(s) Jeff Newschwander
Print and sign name(s) 

DATE: 3/1/16


Section Manager

DATE: 12/20/16