



STATE OF WASHINGTON  
DEPARTMENT OF ECOLOGY

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December 9, 2021

Philip Perley  
Sr. District Manager  
Environmental Legacy Management Group  
Waste Management  
9081 Tujunga Ave  
Sun Valley, CA 91352

**Notice of Periodic Review Conducted at the following Cleanup Site:**

- **Site Name:** Olympic View Sanitary Landfill
- **Site Address:** 10015 SW Barney White Road, Port Orchard, Washington 98367
- **Cleanup Site ID:** 4217
- **Facility/Site ID:** 79649975

Dear Mr. Perley:

The Department of Ecology (Ecology) is required to conduct a periodic review every five years when the cleanup action includes an environmental covenant, in accordance with the Model Toxics Control Act (MTCA), Chapter 70A.305D of the Revised Code of Washington (RCW) and Chapter 173-340 of the Washington Administrative Code (WAC). This letter informs you that Ecology completed a periodic review at the Olympic View Sanitary Landfill (Site).

The periodic review concludes:

- The cleanup actions completed at the Site appear to be protective of human health and the environment; although ongoing natural attenuation processes have not achieved cleanup standards at this point.
- The source control measures and natural attenuation processes have been effective for the VOC indicator hazardous substances.
- Waste Management of Washington (WMW) calculated natural background concentrations of arsenic, iron, and manganese in regional groundwater based on the 95% upper confidence limit (UCL) with 95% coverage. The calculated natural background concentrations are 4.27 µg/L arsenic, 1,900 µg/L iron, and 730 µg/L manganese. The calculated natural background concentration of arsenic is less than the MTCA Method A cleanup level, which is based on a regulatory accepted background concentration. The calculated natural background concentrations of iron and manganese are less than the MTCA Method B cleanup levels, which are based on toxicological risk. Ecology recommended and Kitsap

Public Health District granted using the natural background concentrations as groundwater quality standards for the landfill permit, as allowed under WAC 173-200-050(b)(ii).

- Ecology prepared a Corrective Action Plan (CAP) Addendum that incorporates the natural background concentrations as revised groundwater cleanup levels for arsenic, iron, and manganese, as allowed under WAC 173-340-720(7)(c) for MTCA cleanup actions. The CAP Addendum was made available for public comment concurrent with this Periodic Review and is now final.
- Arsenic, iron, and manganese are mobilized in anaerobic groundwater. Elevated concentrations of arsenic, iron, manganese, and ammonia can be attributed to solid waste biodegradations reactions, as well as natural phenomena such as wetland environments. The concentrations of these redox-sensitive indicator hazardous substances were compared with natural background concentrations and cleanup levels.
- The Site is subject to environmental covenants with restrictions for landfill closure, landfill post-closure care, and corrective action. WMW recorded two environmental covenants in 2011 for different parcels that meet the requirements for municipal solid waste (MSW) landfills under WAC 173-351 and for MTCA cleanups under WAC 173-340. The environmental covenants are protective of human health and the environment. Ecology recommends WMW consider revising the environmental covenants to more accurately prescribe the landfill closure, landfill post-closure, and corrective action restrictions with references to applicable regulations.

A periodic review will continue to be required every five years as long as contamination remains at the Site and an environmental covenant is required to protect human health and the environment.

Thank you for your continued post-closure care and cleanup of the Site. Should you have any questions, please do not hesitate to contact Alan Noell, at 425-213-4803 or [alan.noell@ecy.wa.gov](mailto:alan.noell@ecy.wa.gov), or Tim O'Connor, at 425-389-2695 or [tim.oconnor@ecy.wa.gov](mailto:tim.oconnor@ecy.wa.gov).

Sincerely,



Steven Williams  
Section Manager  
Ecology Solid Waste Management Program, Northwest Region

Enclosures: Periodic Review Document

cc: Alan Noell, Ecology  
Tim O'Connor, Ecology  
Steve Brown, Kitsap Public Health District  
Jon Thompson, Office of the Attorney General