



WASHINGTON STATE
DEPARTMENT OF
E C O L O G Y

Hansville Landfill Site

Remedial Investigation Completed: Public Comment Sought

The Washington State Department of Ecology (Ecology) invites comments on the Remedial Investigation Report for the Hansville Landfill site. The Hansville Landfill is located 4½ miles south of the community of Hansville on the northernmost reach of the Kitsap Peninsula. The Port Gamble S'Klallam Tribal property lies between the Landfill and Port Gamble Bay.

You are welcome and encouraged to comment on the draft document from **May 24** through **June 25, 2007**.

Remedial Investigation Report Completed

In October 1995, Ecology entered into a legal agreement called a *consent decree* with Kitsap County and Kitsap Sanitary Landfill Inc., now known as Waste Management of Washington Inc., to conduct a Remedial Investigation/Feasibility Study (RI/FS) for the Hansville Landfill site.

The purpose of the Remedial Investigation (RI) is to determine the extent of hazardous substances in groundwater, landfill gas, surface water, and sediment that can be attributed to the Landfill. The Remedial Investigation report is now complete. Ecology is currently seeking comments on the report.

The Feasibility Study (FS), which will evaluate possible cleanup options, will be completed after this comment period. Information and data obtained

during the Remedial Investigation phase of the study will be used to support the evaluation of possible final cleanup solutions for the site. At a later date you will also have an opportunity to review the Feasibility Study report and give us your comments.

Remedial Investigation Objectives

The Remedial Investigation for the Hansville Landfill site had several objectives:

- Assess the potential migration of chemicals in groundwater from waste disposal areas at the Landfill.
- Determine the concentrations of the hazardous substances in the upper aquifer.
- Assess concentrations of hazardous substances in surface water and sediments in order to see if the surrounding areas and waterways have been impacted.
- Evaluate the effectiveness of the active landfill gas extraction and flaring system in controlling landfill gas migration from the waste disposal areas.
- Assess the effectiveness of the disposal area cover system and maintenance for potential risks to human health and the environment.

Public Comment Period: May 24 – June 25

Hansville Landfill website:

http://www.ecy.wa.gov/programs/tcp/sites/hansville/hansville_hp.htm

Review the documents at the following locations:

Little Boston Library
Port Gamble S'Klallam Tribe
31912 Little Boston Road NE
Kingston, WA 98346
(360)-297-2670

Kingston Library
11212 State Highway 104
Kingston, WA 98346
(360)-297-3330

Kitsap County Public Works Annex
8600 SW Imperial Way
Port Orchard, WA 98367
(360)-337-4473 (Call for an appointment)

Kitsap County Administration Building
Office of the Commissioners
619 Division St
Port Orchard, WA 98366
(360)-337-3050 (Call for an appointment)

WA Department of Ecology
Northwest Regional Office
3190 160th Avenue SE
Bellevue, WA 98008
(425) 649-7190 (Call for an appointment)

Send Comments to:

Brian Sato, Site Manager
WA Department of Ecology
Toxics Cleanup Program
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If you have special accommodation needs or require this document in alternative format, please contact Nancy Lui at (425) 649-7117 (Voice). Persons with hearing loss can call 711 for Washington Relay Service. Persons with a speech disability can call 1-800-833-6388 (TTY).

- Provide data and analysis to support the evaluation of cleanup alternatives proposed in the Feasibility Study.

Summary and Findings of the Remedial Investigation (RI)

- Once the landfill closed in 1990, a cover system was installed to cap the landfill, and groundwater continued to be monitored as required in the Solid Waste Handling Permit issued by the local Health District.
- In 1991, an active landfill gas extraction and flaring system was installed to better control the landfill gas.
- As part of the RI workplan, additional groundwater monitoring wells were installed on Landfill and Tribal property to assess the nature and extent of contamination.
- In 2003, the gas extraction system flare was downsized to handle the decreased volume of landfill gas generated at the site. This system continues to prevent off-site migration of contamination from the landfill.
- The uppermost zone of groundwater beneath the landfill occurs in a sand unit (the upper aquifer), which is 80 to 120 feet thick. Groundwater in this upper aquifer flows southwest, west and northwest and discharges as seeps at the headwaters of streams on Tribal property west of the Landfill.
- Groundwater, surface water and sediments have been impacted by a number of chemicals.
- The nature and extent of contamination has been characterized by the Remedial Investigation. Sufficient data has been collected to support the Feasibility Study.

Ecology would like your input

You have an opportunity to review and comment on the Remedial Investigation. **Please send your written comments by June 25, 2007 to Ecology's Site Manager, Brian Sato**, at the address in the box on the first page of this fact sheet. Comments may be sent by mail or e-mail, and "Hansville Landfill site" should be included in the subject line.

What Happens Next?

Once the public comment period ends, Ecology will review all comments received, and will make recommendations for any suggested changes to the Remedial Investigation. If no significant changes are

necessary, the Remedial Investigation will be considered final and the Feasibility Study will proceed.

A public meeting has not been scheduled for this comment period. However, one will be held if ten or more people request a meeting.

For information about other Ecology public comment periods, meetings, hearings, workshops, and open houses, please visit Ecology's public events calendar at <http://apps.ecy.wa.gov/pubcalendar/calendar.asp>. Read *Frequently Asked Questions about Effective Public Commenting* at this link to learn more about the public comment process.

Site Background

The Hansville Landfill operated as a municipal landfill serving the northern portion of Kitsap County from about 1962 to 1989. The landfill is divided into three separate areas: a 13-acre municipal solid waste landfill; a four-acre demolition landfill that accepted construction, demolition, and land clearing wastes; and a one-third acre septage lagoon that accepted septic tank pumping waste. The remaining landfill property consists of access roads, a soil borrow area and wooded land.

All three landfill units are capped with a final cover system. In addition, an active landfill gas extraction and flaring system was installed within the municipal solid waste and demolition landfill units to control the migration of landfill gas (methane).

Contaminants of Concern at Hansville Landfill

The following hazardous substances, which exceeded a screening process in the Remedial Investigation, will be assessed in the Feasibility Study (FS) report:

- Arsenic, copper, vinyl chloride, and zinc in surface water.
- Arsenic, bis (2-ethylhexyl) phthalate, copper, lead, manganese, nickel, nitrate, silver, zinc, and vinyl chloride in groundwater of the upper aquifer.
- Antimony, arsenic, chromium, manganese, nickel, and silver in freshwater sediment.

The highest concentrations of these hazardous substances appear next to the waste disposal areas with decreasing concentration at increasing distances from the Landfill. The engineered cover system and active landfill gas extraction and flaring system continue to function as designed as documented by ongoing field measurements. The concentration of these hazardous substances on site and offsite are stable or declining over time.

Hansville Landfill Site Map





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3190 160th Avenue SE
Bellevue, WA 98008-5452

Hansville Landfill site

Ecology Seeks Public Comment on
Remedial Investigation Report

Public Comment Period

May 24- June 25, 2007