

Toxics Cleanup Program**September 2014****Agreed Order, Remedial Investigation / Feasibility Study, and Cleanup Action Plan Drafts Available for Review**

The Washington State Department of Ecology (Ecology) prepared this fact sheet to provide you with information about the Bremerton School District – Crownhill Elementary School Site (Site). The Site is located at 1500 Rocky Point in the City of Bremerton, Kitsap County, Washington. The boundaries of the Site extend south onto the northern section of Bremerton United Methodist Church.

Ecology and Bremerton School District – Crownhill Elementary School negotiated a draft agreement called an Agreed Order. Under this Agreed Order, Bremerton School District – Crownhill Elementary School agrees to clean up contamination at the Site. Under the Agreed Order, the School District will:

- Implement the Final Cleanup Action Plan
- Develop the Remedial Design and Cleanup Action Scope of Work
- Develop and implement the Groundwater Monitoring and Contingency Plan
- Develop and Implement a Cover System Inspection and Maintenance Plan
- Provide Quarterly Progress Reports to Ecology

Public Comment Invited

Ecology seeks your input. You are invited to review the following documents:

- Draft Agreed Order
- Draft Remedial Investigation/Feasibility Study (RI/FS)
- Draft Cleanup Action Plan

Comments Accepted

September 26 – October 27, 2014

Submit Comments and Technical Questions to:

Libby Goldstein - Site Manager
Washington State Department of Ecology Toxics Cleanup Program
3190 160th Ave SE
Bellevue, WA 98008
Phone: (425) 649 - 7242
E-mail: libby.goldstein@ecy.wa.gov

Document Review Locations**Bremerton School District**

134 Marion Avenue North
Bremerton, WA 98312
Phone: (360) 473-1003

Kitsap Regional Library – Bremerton Library

612 5th Street
Bremerton, WA 98337
Phone: (360) 377-3955

Washington State Department of Ecology – Northwest Regional Office

3190 160th Ave SE
Bellevue, WA 98008

Call for an appointment: Sally Perkins

Phone: (425) 649-7190

Fax: (425) 649-4450

E-mail: sally.perkins@ecy.wa.gov

Hours: Tuesday – Thursday

8:00 am – 12:00 pm

1:00 pm – 4:30 pm

Ecology's Toxics Cleanup Website

<https://fortress.wa.gov/ecy/gsp/Sitepage.aspx?csid=4487>

Cleanup ID #: 4487

Crownhill Elementary School Site

- Updated Public Participation Plan

Send your comments to Ecology for consideration.

Documents are available for review at the locations shown on the front page and on the website. Please send your written comments with the title, “Crownhill Elementary School Cleanup Site” to the Site Manager, Libby Goldstein.

Site Background

The Site was originally used for the mining of sand and gravel during the 1930s. The resulting mining pits were used as a landfill for various materials including municipal industrial wastes. Some of the industrial wastes were reported to be imported from the Puget Sound Naval Shipyard by the US Navy, including sandblast grit, scrap metal, asbestos, insulation material, metal shavings, and fire bricks.

The original Crownhill Elementary School was constructed on the property in 1956. The school partially burned down in 1993. The remaining building structures were demolished after the fire. In 1994, construction of a new Crownhill Elementary School started on the property. During site preparation and utility excavation work, soils were identified as known or suspected contaminated soils. Contaminated soils removed during construction were disposed of at an appropriate landfill. The new school opened in 1996.

Interim cleanup actions were completed in spring 2012 and summer 2013.

Spring 2012 – This interim action was implemented to ensure protective conditions while the RI/FS was conducted. An approximate 5,800 square foot area was excavated to a depth of 1-foot below grade. A geofabric was placed in the excavation and the area was covered with 1-foot of clean soil and hydroseeded.

Summer 2013 – Two areas of a total of 7,300 square feet were covered with a geofabric and 1-foot of clean soil and hydroseeded.

Draft Cleanup Action Plan

The preferred alternative selected for the Cleanup Action Plan consists of:

- Periodic removal of gasoline products from groundwater in existing monitoring wells.
- Periodic inspection and maintenance of the soil/sod cover and asphalt pavement over the landfill materials.
- Running an HVAC (heating, ventilation, and air conditioning) system during the school day and testing for indoor air quality.
- Groundwater monitoring.
- Environmental covenants to be placed on the portion of the property where contamination

Crownhill Elementary School Site

is still above state cleanup standards.

Environmental Covenant

An environmental covenant will be placed on the appropriate portions of the Site. The school will prohibit drinking water well installation or activities that could disturb the cover or expose the landfill wastes.

Site-Specific Contaminants

In groundwater, the contaminants are: diesel, gasoline and motor oil range, metals, arsenic, lead, and trichloroethene (TCE).

In soil, the contaminants are: metals antimony, arsenic, chromium (III), copper, lead, zinc, carcinogenic polycyclic aromatic hydrocarbons (cPAHs)

In soil vapor, the contaminants are: petroleum products, and trichloroethene (TCE). The soil vapor meets state cleanup levels and will be periodically monitored to confirm the vapors in the school are below state cleanups.

Updated Public Participation Plan

An updated public participation plan is also available for comment. The public participation plan describes the tools and approaches used to inform the public and identify opportunities for the community to become involved in the process. It invites the public to make comments regarding the cleanup process.

What Happens Next?

After the 30-day comment period, Ecology will review and respond to the comments received from the public.



DEPARTMENT OF
ECOLOGY
State of Washington

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Bellevue, WA 98008

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Bremerton School District Crownhill Elementary School Site

Kitsap County

**Ecology Seeks Public Comments on the
Draft Agreed Order and documents**

**Public Comment Period:
Sept. 26 – Oct. 27, 2014**

Cleanup ID #: 4487

To request ADA accommodation or materials in a format for the visually impaired, call Ecology at 425-649-7117, Relay Service 711, or TTY 877-833-6341.

