Site Register
Washington State Department of Ecology Toxics Cleanup Program

DEPARTMENT OF ECOLOGY
State of Washington

January 27, 2022

Contents

For more information

- Sign up to get the Site Register by email[1]
- Find past issues of the Site Register[2]
- Visit our Public Involvement Calendar[3]

Questions? Contact Sarah Kellington at: 360-280-3167 or sarah.kellington@ecy.wa.gov.

Site contacts can be found in each entry.

ADA Notice

To request Americans with Disabilities Act accommodation, including materials in a format for the visually impaired, please call 360-407-7170 or visit Ecology's Accessibility webpage.[4] Persons with impaired hearing may call Washington Relay Service at 711. Persons with a speech disability may call 877-833-6341.

News & Notes

Ecology buildings open by appointment only

- Visitors must complete an online health screening[5] before entering.
- Visitors must wear masks and social distance while in Ecology buildings.
- **Public meetings will remain online-only** until further notice. Visit our public input and events listings[6] for information on public meetings.
- You can access all documents that are listed in the Site Register for public review and comment online:
  1. Under **For more information** in the left-hand column of each Site Register entry, there is a link to visit Ecology's webpage for the site.
  2. From that page, the **View Electronic Documents** link in the right-hand column will take you to a list of all posted documents.

Thank you for your patience and understanding as we work together to defend the health and well-being of all Washingtonians.

Grant opportunities opening February 2022

The Toxics Cleanup Program is currently preparing the next solicitation process for the following grants to help clean up sites and protect drinking water:

- Oversight Remedial Action grants and loans[7]: help local governments clean up contaminated sites that are supervised by Ecology or the Environmental Protection Agency and are under a legal order or decree.
- Area-wide Groundwater Investigation grants[8]: help local governments investigate and clean up widespread groundwater contamination.
- Safe Drinking Water Action grants[9]: help local governments provide safe drinking water to people living in areas that are affected by contamination from hazardous waste sites.
- Affordable Housing Cleanup Grants[10]: help anyone planning to clean up a property for development as affordable housing. This program supports the development of affordable housing through environmental cleanups supervised by Ecology under an order or decree.

Applications for all four grant types will be accepted from Tuesday, **Feb. 1**, through Tuesday, **March 1, 2022**. You can apply through Ecology's Administration of Grants & Loans system (EAGL)[11].

Contaminant data tool (CLARC) updated for Fall 2021

For more information

contact Andy Kallus
Toxicologist
andrew.kallus@ecy.wa.gov

Ecology's Cleanup Levels and Risk Calculation (CLARC) resource is a collection of technical information about chemicals. It helps site managers and stakeholders determine cleanup levels for contaminated sites. It contains toxicity values, chemical and physical properties, cleanup levels, and any applicable laws for more than 600 chemicals.

We usually update CLARC every six months. **Always use the most recent version of CLARC, found on the CLARC webpage[12].**

Fall 2021 updates

- We developed general CLARC guidance to address the fact that children are more sensitive than adults to carcinogens with a mutagenic mode of action. Several additional chemicals in CLARC are now evaluated as acting this way.
- We have adopted the California EPA (CalEPA) **oral cancer slope factor** of 0.5 kg-day/mg for **Chromium VI**.
- We updated our 2006 guidance surrounding the use of noncancer reference doses (RfDs) to calculate cleanup levels for **petroleum mixtures,** and have updated the physical/chemical data and toxicity values for those mixtures.

  We've incorporated the information from this updated guidance into the Excel Workbook tool (MTCA TPH Ver. 11.1) for calculating cleanup levels for petroleum contaminated sites. Please use the new version of the MTCA TPH Excel Workbook on the Contamination Cleanup Tools webpage.[13]
- We've added **petroleum concentrations that are protective of aquatic receptors in surface water**.
- **Additional chemical-specific data** From the Oak Ridge National Laboratory (ORNL) Risk Assessment Information System (RAIS) chemical database was incorporated, where updates were not made in February 2021.
- The chemical-specific **inhalation correction factor (INH)** used in the cleanup equation for ingestion of potable groundwater was re-evaluated and updated.

DEPARTMENT OF ECOLOGY
State of Washington

Formal Cleanups

We oversee complex cleanup sites to protect your health and the environment.

KING COUNTY

Fox Ave Building

6900 Fox Ave S, Seattle

Facility Site ID# **2282**
Cleanup Site ID# **5082**

Submit comments online[14]
Or mail comments to:

Tamara Welty
Periodic reviewer
PO Box 330316, Shoreline, WA, 98133

For more information

- Visit Ecology's Fox Ave Building webpage[15] to learn more and review documents
- Contact Tamara Welty
  Periodic reviewer
  tamara.welty@ecy.wa.gov
  206-594-0090

Jan. 27–Feb. 25: Periodic Review available for comment

Ecology invites you to review and comment on the periodic review for this site.

The site consists of the Cascade Columbia Distribution Co. facility and the properties impacted by the contaminated groundwater as it flows to the Lower Duwamish Waterway. The contamination is the result of industrial use since 1918.

Cleanup is underway. The cleanup includes heat treatment by electrical resistance heating (ERH), soil vapor extraction, and bio-polishing.

The 2021 Periodic Review concluded:

- The current and past treatments seem to have reduced concentrations of volatile organic compounds below the surface, but some groundwater contaminants are still above the target levels, and one of the expected time frames was missed. Continued groundwater monitoring and implementation of the ongoing remedial action is required by the Cleanup Action Plan.

  The remedy is not protective of human health and the environment at this time; however, the cleanup is still in process.
- We recommend more groundwater/seep monitoring to assess the current concentrations and potential rebound of chlorinated volatile organic compounds, additional evaluation of bio-polishing performance, and an updated bio-polishing plan.
- Additional vapor intrusion assessment was recommended.
- The groundwater targets should be updated to be protective of surface water in accordance with the current state water quality criteria.

We conduct periodic reviews every five years when institutional controls are used as part of the remedy. The purpose of the review is to evaluate site conditions and ensure continued protection of human health and the environment.

We will review comments received during the comment period and make recommendations for suggested changes. The periodic review will become final if no significant changes are made.

DEPARTMENT OF ECOLOGY
State of Washington

Clean Earth/Burlington Georgetown East of 4th

734 S. Lucile St., Seattle

Facility Site ID# **47779679**
Cleanup Site ID# **2622**

Submit comments online[16]

For more information

- Visit Ecology's Clean Earth/Burlington Georgetown East of 4th webpage[17]
- Contact Janelle Anderson
  janelle.anderson@ecy.wa.gov
  206-240-4054

Document review locations

Ecology's Northwest Regional Office
15700 Dayton Ave N.
Shoreline

To schedule an appointment, contact Susanne Winter
susanne.winter@ecy.wa.gov

Jan. 17–March 11: Clean Earth/Burlington Georgetown East of 4th draft permit available for review and comment

We're overseeing contamination cleanup at the Clean Earth/Burlington facility in Seattle's Georgetown neighborhood. We invite you to review and comment on these documents:

- **Draft Permit (Permit Lite)**: allows environmental cleanup at the site to continue. Under this permit, Clean Earth/Burlington will continue with the cleanup action plan for the East of 4th area. They will also finalize the investigation of the West of 4th site and develop a Cleanup Action Plan for the groundwater, under a separate Agreed Order with other potentially liable parties.
- **Draft Public Participation Plan (PPP):** encourages community involvement in cleanup decisions.

Burlington Environmental — Georgetown stored and treated hazardous wastes at this site from 1991 to 2003, under a permit from Ecology and the EPA. The permit required finding and cleaning up environmental contamination they caused.

In 2004, Clean Earth/Burlington built an underground barrier wall around the highly-contaminated groundwater to keep it from moving toward the Duwamish River. Ecology approved cleanup engineering designs in 2011 and Clean Earth/ Burlington did most of the cleanup. However, 1,4-dioxane remained high in groundwater. Clean Earth/Burlington tested ways to reduce this contaminant from 2016 to 2018, and found that modified 'in situ chemical oxidation' would work. In 2020 they injected chemical oxidant (sodium persulfate and other chemicals) into the groundwater to breakdown the 1,4-dioxane. Groundwater monitoring is used to make sure the treatments work.

From 2016 to 2020, Clean Earth/ Burlington treated the groundwater within the underground barrier every six months. The treatments help bacteria break down contaminants like like trichloroethylene (TCE) and vinyl chloride. Groundwater outside of the barrier wall is also contaminated with petroleum-related substances, TCE, vinyl chloride, and 1,4-dioxane. Groundwater within the barrier wall contains higher concentrations of these chemicals and other chemicals.

Soil contaminants include petroleum products, chlorinated solvents trichlorethylene (TCE) and vinyl chloride (VC), polycyclic aromatic hydrocarbons (PAHs), and polychlorinated biphenyls (PCBs).

The area is expected to remain industrial after cleanup is complete, and restrictions on property use, including building homes, are in place.

We will hold a public meeting if ten or more people request one. To request a meeting, please call 425-301-6454 or email janelle.anderson@ecy.wa.gov.

WHATCOM COUNTY

RG Haley Cleanup Site

Cornwall Ave N
Bellingham

Facility Site ID# **2870**
Cleanup Site ID# **3928**

Submit comments online[18]
Or mail comments to:

Lucy McInerney
Site Manager
PO Box 330316 Shoreline,
WA 98133-9716

For more information

- Visit Ecology's RG Haley Cleanup Site webpage[19]
- Contact Lucy McInerney
  Site Manager
  lucy.mcinerney@ecy.wa.gov
  206-594-0123

Document review locations

For document review assistance, please contact:

Ian Fawley
Outreach Specialist
Ian.Fawley@ecy.wa.gov
425-324-5901

Jan. 31–March 1: Engineering design report ready for public review and comment

We invite you to review the engineering design report for the RG Haley cleanup site on the Bellingham waterfront. The report represents 30% completion of design work and provides details, refining the cleanup action we selected in 2018.

Through a legal agreement with Ecology, the City of Bellingham completed a pre-design investigation, then prepared the engineering design report. Following public review, the city will use the report to develop construction plans and specifications.

A future legal agreement will require the city to implement the construction plans and specifications.

Contamination

In 2016, the city completed an environmental investigation (called a Remedial Investigation/ Feasibility Study) of the site. The remedial investigation found petroleum hydrocarbons, pentachlorophenol (PCP), polycyclic aromatic hydrocarbons (PAHs), and dioxins/furans at concentrations in the soil, groundwater, and sediment that must be addressed under the Model Toxics Control Act (MTCA[i]).

On-site walking tour Feb. 8

RE Sources will host a walking tour[20] of the Site. Ecology and City staff will be there to share about the cleanup action design details and answer questions.

Tuesday, February 8, 2022
Noon – 1:30 p.m.

Meet at the end of Cornwall Ave by the pocket beach (Bellingham, WA)

This tour is funded through a Public Participation Grant from Ecology .

Independent Cleanups

Property owners may choose to clean up contamination independently and submit reports to Ecology

CHELAN COUNTY

Parlette Wenatchee

1312 Walla Walla Avenue
Wenatchee

Facility Site ID# **90971**
Cleanup Site ID# **14778**

For more information

- Visit Ecology's Parlette Wenatchee webpage[21]
- Contact Jeff Newschwander
  Site Manager
  jeff.newschwander@ecy.wa.gov
  509-388-5223

Determination of no further action

The Parlette Wenatchee site is on former orchard lands. It had arsenic and lead soil contamination above Model Toxics Control Act (MTCA) cleanup levels.

The cleanup action included containing contaminated soils beneath a cap of clean soil, building foundations, and asphalt. Soils remain at concentrations exceeding MTCA Method A cleanup levels; however, the cleanup action is protective of human health and the environment. Institutional controls in the form of an environmental covenant[22] protect the integrity of the surface cap and prevent exposure of capped contaminated soils.

In December 2021, Ecology determined that No Further Action[23] was required at the site under Ecology's Model Remedy 4 — Consolidation and Capping in Place, from the Model Remedies for Cleanup of Former Orchard Properties in Central and Eastern Washington.

SPOKANE COUNTY

KAIC Decommissioned Ponds

Mead

Facility Site ID# **63051**
Cleanup Site ID# **15501**

For more information

- Visit Ecology's KAIC Decommissioned Ponds webpage[24]
- Contact Sara Fulton
  Sara.Fulton@ecy.wa.gov
  509-329-3535

Determination of no further action

Two lined ponds that were part of the stormwater management system for the Spokane Recycling Facility were decomissioned. During decommissioning, soil sample results showed PAH contamination above the level requiring cleanup. A total of 328 tons of PAH contaminated soil was removed and disposed of at Waste Management's Graham Road landfill. Soil sampling afterward showed PAHs to be either undetectable or at concentrations below MTCA cleanup levels.

Circle K Store 8549

711 W. Hastings Rd
Spokane

Facility Site ID# **97971134**
Cleanup Site ID# **15502**

For more information

- Visit Ecology's Circle K Store 8549 webpage[25]
- Contact Sara Fulton
  Sara.Fulton@ecy.wa.gov
  509-329-3535

Determination of no further action

There is a NomNom (aka Zip Trip #28) convenience store and fueling station facility at this site. On August 4, 2009, during a routine fueling system line tightness test, a gasoline release to soil was discovered. Soil sample results showed gasoline and benzene underneath the source dispenser to be above MTCA Method A cleanup levels.

In 2010, maintenance work was done on the fueling islands and some soil was excavated. Based on the information provided to Ecology, it appears that the gasoline and benezene soil contamination was cleaned up during the dispenser maintenance work.

More information

ONLINE RESOURCES

- Find information on any cleanup site[26]
- Look up terms in the glossary[27].

ECOLOGY REGIONAL OFFICES

Central Regional Office
1250 W. Alder St.
Union Gap, WA 98903-0009

Eastern Regional Office
4601 N. Monroe
Spokane, WA 99205-1295

aHeadquarters
300 Desmond Drive SE
Lacey, WA 98503

Northwest Regional Office
15700 Dayton Ave N.
Shoreline, WA 98133

Southwest Regional Office
300 Desmond Drive SE
Lacey, WA 98503

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[1] https://public.govdelivery.com/accounts/WAECY/subscriber/new?topic_id=WAECY_118
[2] http://tinyurl.com/EcologySiteReg
[3] https://ecology.wa.gov/events-listing
[4] http://www.ecology.wa.gov/Accessibility
[5] healthscreening.ecology.wa.gov
[6] https://ecology.wa.gov/Events/Search/Listing
[7] https://ecology.wa.gov/About-us/Payments-contracts-grants/Grants-loans/Find-a-grant-or-loan/Oversight-remedial-action-grants-loans
[8] https://ecology.wa.gov/About-us/Payments-contracts-grants/Grants-loans/Find-a-grant-or-loan/Area-wide-groundwater-investigation-grants
[9] https://ecology.wa.gov/About-us/Payments-contracts-grants/Grants-loans/Find-a-grant-or-loan/Safe-drinking-water-grants
[10] https://ecology.wa.gov/About-us/Payments-contracts-grants/Grants-loans/Find-a-grant-or-loan/Affordable-Housing-Cleanup-grants
[11] https://ecology.wa.gov/About-us/Payments-contracts-grants/Grants-loans#Apply
[12] https://ecology.wa.gov/CLARC
[13] https://ecology.wa.gov/Regulations-Permits/Guidance-technical-assistance/Contamination-clean-up-tools
[14] http://bit.ly/Ecology-FoxAve-Comments
[15] https://apps.ecology.wa.gov/gsp/Sitepage.aspx?csid=5082
[16] https://bit.ly/EastOf4thComments
[17] https://apps.ecology.wa.gov/gsp/Sitepage.aspx?csid=2622
[18] https://tcp.ecology.commentinput.com/?id=bHQCf
[19] https://apps.ecology.wa.gov/gsp/Sitepage.aspx?csid=3928
[20] www.re-sources.org/RGHaley
[21] https://apps.ecology.wa.gov/gsp/Sitepage.aspx?csid=14778
[22] https://apps.ecology.wa.gov/cleanupsearch/document/107691
[23] https://apps.ecology.wa.gov/cleanupsearch/document/107979
[24] https://apps.ecology.wa.gov/gsp/Sitepage.aspx?csid=15501
[25] https://apps.ecology.wa.gov/gsp/Sitepage.aspx?csid=15502
[26] https://ecology.wa.gov/Spills-Cleanup/Contamination-cleanup/Cleanup-sites
[27] https://ecology.wa.gov/Regulations-Permits/Guidance-technical-assistance/Toxic-cleanup-acronyms