

Site Register

Washington State Department of Ecology Toxics Cleanup Program



November 5, 2020

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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: 360-407-7466 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

Novel coronavirus (COVID-19) information

We are joining a statewide effort to slow the spread of COVID-19 by supporting social distancing and other directives from Governor Inslee as well as federal, state, and local health officials.

- **All Department of Ecology buildings are closed to the public until further notice.** This includes all headquarters, regional, and field offices.
- **We are still operating**, and you can reach staff from any of our offices via email and phone.
- All public meetings have been changed to **online-only meetings**. Visit our [public input and events listings](#)⁵ for up-to-date information on public meetings.
- **In-person document and record reviews are not currently available.** Public libraries and other repositories are listed in previous Site Register editions as document review locations are also closed. If you would like to request to receive specific records electronically, [please let us know](#).⁶ You can access all documents that are listed in the Site Register for public review and comment online:
 1. Under the "**For more information**" heading in the left-hand column of each Site Register entry, you will find a link to visit Ecology's webpage for the site.
 2. From that site page, there is a "**View Electronic Documents**" link in the right-hand column that 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.

For the latest information, please visit the state's coronavirus website at <https://coronavirus.wa.gov>.

Grant funding available for local governments

Applications will be opening soon

Local government representatives can apply for grants and loans to help clean up sites and protect drinking water in their communities. The Toxics Cleanup Program will be accepting applications for **Integrated Planning Grants**.

Applications will open December 1, 2020. For questions about a potential brownfield redevelopment

project and whether it qualifies for an IPG, contact one of the IPG Coordinators listed on our [Integrated Planning Grant webpage](#).⁷

To be considered for the next funding evaluation cycle, submit your application by **January 29, 2021**.

You can apply for all grant types through [Ecology's Administration of Grants & Loans system \(EAGL\)](#)ⁱⁱ, and we have [guidance](#)⁸ to help.

CLARC updated for Fall 2020

The most recent CLARC updates are now online. CLARC is Ecology's Cleanup Levels and Risk Calculation resource—a collection of technical information that helps site managers and stakeholders determine cleanup levels for contaminated sites.

Explore CLARC

- CLARC's [data tables](#)⁹ include toxicity values, chemical/physical constants, and cleanup levels and Applicable or Relevant and Appropriate Requirements (ARARs) for soil, groundwater, surface water, and air. The data tables also include cleanup levels protective of the vapor intrusion pathway.
 - Download CLARC's data tables in Excel and PDF.
 - Find out what's [new and revised effective August 2020](#)¹⁰.
- [CLARC's primary home on Ecology's website](#)¹¹ has detailed content, guidance, and a glossary.
- [CLARC's EZView library](#)¹² houses supporting documents.

Stop using the January 2020 spreadsheet.

The August 2020 spreadsheet and data tables contain the most recent information and should be used going forward.

How do I establish cleanup levels for my site using CLARC?

CLARC provides technical information, including pre-calculated standard Method B and C human health risk-based levels, to help you determine cleanup levels under Washington's Model Toxics Control Act (MTCA). The pre-calculated risk-based values are NOT final cleanup levels. There are several important elements you must consider when establishing appropriate cleanup levels at a site:

- Whether levels are dependent on relevant human health and ecological pathways of exposure.
- They must account for cross-media contamination (that is, concentrations that prevent violations of cleanup levels for other media).
- They must be as stringent as applicable state and federal laws (known as ARARs).

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- They may also need to be adjusted to account for additive cancer risk/noncancer hazards, laboratory practical quantitation limits (PQLs), and natural background.

For more information, see Cautions and Limitations for using CLARC on the home page.

How often is CLARC updated?

We make minor updates and corrections as needed. Every six months (targeted for spring and fall), we may make major updates that align with new technical information (such as updated toxicity data) in the Environmental Protection Agency's [regional screen levels \(RSLs\) tables](#)¹³.

Stay current with CLARC updates

- Always use the most recent spreadsheet and data tables, found on the [CLARC data tables page](#).
- Check the [latest news](#)¹⁴. This is duplicated in the spreadsheet's first tab.
- Subscribe to the Site Register Listserv (see first page).

Questions about CLARC?

Contact Andy Kallus andrew.kallus@ecy.wa.gov or 360-878-2952

Formal Cleanups

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

CLARK COUNTY

Fort Vancouver Plywood

W 8th Street
Vancouver

Facility Site ID# 1029
Cleanup Site ID# 3057

[Submit comments online¹⁵](#)

Or send comments by mail to:

Panjini Balaraju
Periodic Review Coordinator
PO Box 47775, Olympia, WA
98504-7775

For more information

Visit Ecology's [Fort Vancouver Plywood webpage¹⁶](#)

Contact Panjini Balaraju
Periodic Review Coordinator
Panjini.Balaraju@ecy.wa.gov
360-999-9603

Nov. 5–Dec. 6: Draft Periodic Review Report available for public comment

When an environmental covenant exists for a cleanup site, we review site conditions about every five years to ensure the long-term effectiveness of the cleanup action. We completed the second periodic review for this site in 2015.

The report shows that cleanup work remains effective in protecting human health and the environment. We may modify the draft report if new information is submitted during the comment period.

The site consists of 15.8 acres where a former plywood mill was located. The site was used for industry for over 100 years and will continue to be used for industry in the future.

Contamination was linked to burial of industrial debris. Metals including lead and leachable arsenic, carcinogenic polyaromatic hydrocarbons, and petroleum hydrocarbons were found in soil above state cleanup levels. Arsenic, phthalates, vinyl chloride, and petroleum hydrocarbons were found in groundwater above cleanup levels.

Cleanup included removal and proper disposal of contaminated soil and wood waste. The excavation was backfilled with clean soil and covered by an asphalt cap.

Groundwater is monitored regularly. Results show that vinyl chloride and petroleum hydrocarbons were present above state cleanup levels in one monitoring well. The concentrations of these two contaminants is decreasing over time. None of the other contaminants were detected in groundwater.

After cleanup, environmental covenants were filed because some contaminants were left in place on the property. Among other things, the covenants prohibit activities that could result in the release of contaminants on the site. The covenants restrict the land to industrial use. Groundwater may not be taken from the site for drinking or for agriculture.

KING COUNTY

Precision Engineering Inc.

1231 S Director St
Seattle

Facility Site ID# 2056
Cleanup Site ID# 4532

[Submit comments online](#)¹⁷

Or send comments by mail to:

Mark Adams
Site Manager
3190 160th Ave SE Bellevue,
WA 98118

For more information

Visit Ecology's [Precision Engineering Inc. webpage](#)¹⁸ to view documents online

Contact Mark Adams
Site Manager
mark.adams@ecy.wa.gov
425-649-7107

Nov. 9–Dec. 8: Agreed order available for review and comment

Ecology is inviting public comment on cleanup documents for the Precision Engineering Inc. site. The following documents are available for review and comment:

- **Agreed Order** – requires the potentially liable person to complete a Remedial Investigation, Feasibility Study, and draft Cleanup Action Plan for the site.
- **Public Participation Plan** – Describes how Ecology will inform the community about site activities and opportunities to be involved in the cleanup process.

The Precision Engineering Inc. site is in the South Park neighborhood of Seattle. Precision Engineering operated a heavy machining and equipment repair services shop at this location from 1968 through 2005. Activities there included grinding and polishing, honing, hard-chrome plating, milling, welding, and other flame and arc-applied metal coatings. This work involved the use of chemicals, particularly chromic acid for plating, and trichloroethene as a solvent.

Previous investigations at the site found the following contaminants in soil and groundwater:

- Oil and diesel range organics (ORO, DRO)
- Trichloroethylene (TCE)
- Chromium (Cr III, Cr VI)

The levels of contamination are potentially harmful to humans and the environment and must be addressed under Washington's cleanup law, the Model Toxics Control Act.

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KITTITAS COUNTY

Big B Mini Mart

1611 Canyon Road
Ellensburg

Facility Site ID# **386**
Cleanup Site ID# **4901**

[Submit comments online](#)¹⁹

Or send comments by mail to:

John Mefford, Site Manager
1250 West Alder Street Union
Gap, WA 98903-0009

For more information

Visit Ecology's [Big B Mini Mart webpage](#)²⁰

Contact John Mefford
Site Manager
John.Mefford@ecy.wa.gov
509-454-7836

Oct. 12–Nov. 12: Comment period on Cleanup Action Plan and Agreed Order

Ecology invites you to review and comment on the Interim Action Report, the draft Cleanup Action Plan (DCAP), the Cleanup Action Plan Agreed Order (CAP AO), and the State Environmental Policy Act (SEPA) Checklist and Revised Determination of Nonsignificance (DNS) for the Big B Mini Mart site. The new Agreed Order is necessary to implement the Cleanup Action Plan.

SPOKANE COUNTY

Heglar Kronquist Site

Heglar & Kronquist Roads
Mead

Facility Site ID# **645**
Cleanup Site ID# **1135**

[Submit comments online](#)²¹

Or send comments by mail to:

Justin Rice
Site Manager
4601 N. Monroe St.
Spokane, WA 99205

For more information

Visit Ecology's [Heglar Kronquist Site webpage](#)²²

Contact Justin Rice
Site Manager
justin.rice@ecy.wa.gov
509-724-8268

Document review locations

Due to the potential health risks presented by the coronavirus, in-person document reviews are not currently available.

Nov. 2–Dec. 1: Draft Five-Year Periodic Review Report available for public comment

Ecology invites you to review and comment on the [draft periodic review report](#)²³ for the Heglar Kronquist site. We conduct a periodic review at least every five years after beginning cleanup at a site, and this is the first periodic review for this site. The purpose of the review is to evaluate current site conditions and to ensure the continued protection of people and the environment.

The site was a county gravel pit from 1963 to 1969. From 1969 to 1974, Kaiser Aluminum & Chemical Corporation disposed of aluminum black dross from its Trentwood facility at the site. Dross is a by-product from processing aluminum. Dross disposal activities stopped after elevated levels of chloride and sodium (constituents of dross) were detected in a shallow groundwater well and spring near the site. Cleanup included building a cover over the contaminated area, fencing around it, placing an environmental covenant on the property deed, and monitoring groundwater.

In August 2020, we completed the first periodic review and required no new cleanup actions. However, chloride and nitrate concentrations higher than state standards are still found in some groundwater monitoring wells. Monitoring will continue, and we will assess the cleanup progress in another 5 years. The deed restrictions prevent site uses inconsistent with the presence of contamination.

Ecology will review comments received during the comment period. The periodic review will become final if no significant changes are made due to public comment. An additional public comment period will be held if significant changes are made. We will hold an online public meeting if 10 people request it.

WHATCOM COUNTY

Sea K Fish Cleanup Site

225 Sigurdson Ave
Blaine

Facility Site ID# **80387768**
Cleanup Site ID# **10583**

[Submit comments online](#)²⁴

Or send comments by mail to:

Cris Matthews
Site Manager
913 Squalicum Way, Unit 101,
Bellingham, WA 98225

For more information

Visit Ecology's [Sea K Fish Cleanup Site webpage](#)²⁵

Contact Cris Matthews
Site Manager
cris.matthews@ecy.wa.gov
360-255-4379

Document review locations

For document review assistance,
please contact:

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

Oct. 12–Nov. 10, 2020: Formal cleanup process beginning

Ecology invites you to comment on an agreed order (legal agreement) and a public participation plan for the Sea K Fish cleanup site at Blaine Harbor. The Port of Bellingham operates Blaine Harbor and manages the Sea K Fish property under an agreement with the Department of Natural Resources.

The legal agreement between Ecology and the port will require the port to characterize contamination at the site, evaluate cleanup options, and create a draft cleanup plan. A future legal agreement will require the port to design and carry out the work described in the cleanup plan.

The following documents are available for review and comment:

- Agreed Order: legal agreement between Ecology and the port that requires the Port to characterize the site (Remedial Investigation), evaluate cleanup options (Feasibility Study), and create a draft Cleanup Action Plan.
- Public Participation Plan: document that explains how people can participate in the cleanup process.

Contamination

The contamination is the result of past petroleum storage and fish oil processing operations. The contaminant levels in soil and groundwater are potentially harmful and must be addressed under Washington's cleanup law, the Model Toxics Control Act (MTCA):

- Light non-aqueous phase liquid (NAPL)
- Gasoline, diesel, and oil-range hydrocarbons
- Benzene, toluene, ethylbenzene, and xylene compounds (BTEX)

Online Site tour

View a [virtual site tour](#) with informational videos created by RE Sources. This product is funded through a Public Participation Grant from Ecology.

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Glossary

Agreed Order - A legal agreement with Ecology to make sure a potentially liable party/parties takes specified actions under the Model Toxics Control Act (MTCA) to clean up a contaminated site.

Cleanup Action Plan (CAP) - A document that describes the selected cleanup methods and specifies cleanup standards and other requirements. It is based on information and technical analyses generated during the RI/FS and consideration of public comments and community concerns. We make a draft of the CAP (dCAP) available for public review and comment before finalizing.

Comment period - A time period during which the public can review and comment on various documents and Ecology or EPA actions. For example, a comment period is provided to allow community members to review and comment on proposed cleanup action alternatives and proposed plans. Also, a comment period is held to allow community members to review and comment on draft feasibility studies.

Consent decree - A formal legal agreement that is filed with a court. It describes studies and/or cleanup work to be done at a site and the terms under which that work is to be done.

CSID (Cleanup site identification) – a tracking number assigned to a known or suspected cleanup site.

Delisting/delisted – the process of formally removing a site from the Hazardous Sites List.

Enforcement order – A formal legal order to force a potentially liable party/parties to take specific required cleanup actions when negotiations toward an agreed order are unsuccessful.

Engineering design report - Engineering design reports outline the specific details for implementation and operation of the first phase of the cleanup actions.

Formal cleanups - TCP conducts or supervises formal cleanups (also called formal oversight) when site owners are under court order or decree, or when cleanups are funded by legislative initiatives. Formal cleanups will meet MTCA

standards. The public can provide input during public meetings and comment periods.

FSID (Facility/Site identification) – a tracking number assigned to a facility, business, or location.

Hazardous Sites List - A statewide list of contaminated properties. Ecology may remove a site from the list only after determining that all remedial actions except confirmatory monitoring have been completed and compliance with the cleanup standards has been achieved at the site, or the listing was erroneous.

HOTAP – Heating Oil Technical Assistance Program administered by the Pollution Liability Insurance Agency (PLIA)

Independent cleanups - Property owners conduct independent cleanups on their own, or with help from our Voluntary Cleanup Program (VCP). Independent cleanups still meet MTCA standards, but property owners set their own timelines. Owners can ask for our help through the VCP but do not have to. Ecology will hold public meetings or comment periods if a site needs to be de-listed.

Independent cleanup action - Any remedial action without department oversight or approval and not under an order or decree.

LUST - Leaking Underground Storage Tank

NFA - No Further Action

PAH – Polycyclic aromatic hydrocarbons – a class of organic chemicals from petroleum, organic materials, and the combustion of hydrocarbons. They are carcinogenic (cancer-causing) and linked to cardiovascular and developmental diseases.

PCB – Polychlorinated biphenyls – a group of manmade chemicals that are toxic, potentially carcinogenic, persistent, and bio-accumulative. They are classified as persistent organic pollutants, meaning they do not easily degrade in the environment.

Periodic review - A periodic review is conducted at least every five years at sites where some contamination remains.

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The purposes of the review is to evaluate whether the cleanup still protects human health and the environment.

PLIA – Pollution Liability Insurance Agency

Potentially liable party (PLP)– A person, business, or entity that is potentially liable (legally responsible) to clean up a contaminated site. If there is more than one PLP, all parties may be jointly and severally liable.

PTAP – Petroleum Technical Assistance Program administered by the Pollution Liability Insurance Agency (PLIA)

Public participation plan - Outlines and describes the tools Ecology will use to inform the public about site activities, and it identifies opportunities for the community to become involved in this process.

Remedial action - Construction work done to clean up a contaminated site.

Remedial investigation/feasibility study (RI/FS) - Two distinct but related studies. They are usually performed at the same time.

SEPA - State Environmental Policy Act

Site – also called a cleanup site, is a property or location with suspected or verified contamination that must be cleaned under the Model Toxics Control Act (MTCA). A site does not necessarily stop at property boundaries, but is defined by specific contaminants, the extent of contamination, or both.

Site Hazard Assessment (SHA) - An assessment to gather information about a site to confirm whether a release of hazardous substances has occurred and to enable Ecology to evaluate the relative potential hazard posed by the release.

Total petroleum hydrocarbons (TPH) - A term used to describe a large family of several hundred chemical compounds that originally come from crude oil. TPH is a mixture of chemicals made mainly from hydrogen and carbon.

UST – Underground Storage Tank

Voluntary Cleanup Program (VCP) - The VCP is one of several options for cleaning up a site under the state’s cleanup law. Under this option, property owners perform a cleanup independently and request services from Ecology for a fee.

Find more glossary terms on [Ecology’s website](#)²⁶

Site Information Online

Information on [all Toxics Cleanup Program sites](#)²⁷

Regional Offices

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

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

Ecology Headquarters Office
300 Desmond Drive SE
Lacey, WA 98503

**Ecology Northwest
Regional Office**
3190 160th Ave. SE
Bellevue, WA 98008-5482

**Ecology Southwest
Regional Office**
300 Desmond Drive SE
Lacey, WA 98503

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¹ <http://listserv.ecology.wa.gov/scripts/wa-ECOLOGY.exe?A0=SITEREGISTER>

² <http://tinyurl.com/EcologySiteReg>

³ <https://ecology.wa.gov/events-listing>

⁴ <http://www.ecology.wa.gov/Accessibility>

⁵ <https://ecology.wa.gov/Events/Search/Listing>

⁶ <https://ecology.wa.gov/About-us/Accountability-transparency/Public-records-requests>

⁷ <https://ecology.wa.gov/About-us/How-we-operate/Grants-loans/Find-a-grant-or-loan/Integrated-planning-grants>

ⁱⁱ <https://ecology.wa.gov/About-us/How-we-operate/Grants-loans#Apply>

ⁱⁱⁱ <https://fortress.wa.gov/ecy/publications/SummaryPages/1809049.html>

⁸ Remedial Action Grants for Local Governments 2018-2021 Guidance

⁹ <https://ecology.wa.gov/Regulations-Permits/Guidance-technical-assistance/Contamination-clean-up-tools/CLARC/Data-tables>

¹⁰ <https://ecology.wa.gov/Regulations-Permits/Guidance-technical-assistance/Contamination-clean-up-tools/CLARC/Latest-news>

¹¹ <https://ecology.wa.gov/Regulations-Permits/Guidance-technical-assistance/Contamination-clean-up-tools/CLARC/Data-tables>

¹² https://www.ezview.wa.gov/site/alias___1987/37504/overview.aspx

¹³ <https://www.epa.gov/risk/regional-screening-levels-rsls>

¹⁴ <https://ecology.wa.gov/Regulations-Permits/Guidance-technical-assistance/Contamination-clean-up-tools/CLARC/Latest-news>

¹⁵ <http://tcp.ecology.commentinput.com/?id=TB3DV>

¹⁶ <https://apps.ecology.wa.gov/gsp/Sitepage.aspx?csid=3057>

¹⁷ <http://bit.ly/Ecology-PrecisionEng-Comments>

¹⁸ <https://apps.ecology.wa.gov/gsp/Sitepage.aspx?csid=4532>

¹⁹ <http://tcp.ecology.commentinput.com/?id=TWGmP>

²⁰ <https://apps.ecology.wa.gov/gsp/Sitepage.aspx?csid=4901>

²¹ <http://tcp.ecology.commentinput.com/?id=WMPi7>

²² <https://apps.ecology.wa.gov/gsp/Sitepage.aspx?csid=1135>

²³ [periodic review report](#)

²⁴ <http://tcp.ecology.commentinput.com/?id=76SET>

²⁵ <https://apps.ecology.wa.gov/gsp/Sitepage.aspx?csid=10583>

²⁶ http://www.ecy.wa.gov/programs/tcp/tcp_acronym_list.htm

²⁷ <https://apps.ecology.wa.gov/tcpwebreporting/reports/cleanup/all>