

Site Register

WASHINGTON STATE DEPARTMENT OF ECOLOGY—TOXICS CLEANUP PROGRAM



August 31, 2017

CONTENTS

Formal Cleanups	1
Independent Cleanup	10
New & Notes	12
Glossary	15
Site Information Online	17
Regional Office Addresses	17

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Find past issues: <http://1.usa.gov/hAJyav>

For information about public comment periods, meetings and hearings, visit Ecology's Public Involvement Calendar at <https://fortress.wa.gov/ecy/publiccalendar/>.

Questions? Please contact Cheryl Ann Bishop at 360-407-6848 or cherylann.bishop@ecy.wa.gov. Site contacts are found after each entry.

To request Americans with Disabilities Act accommodation including materials in a format for the visually impaired, please call 360-407-7170 or visit <http://www.ecy.wa.gov/accessibility.html>. Persons with impaired hearing may call Washington Relay Service at 711. Persons with a speech disability may call 877-833-6341.

FORMAL CLEANUPS

Ecology oversees complex cleanup sites to ensure that your health and that of the environment are protected.

CHELAN COUNTY

Chelan County Fire District 1	Facility Site ID#	53265 234	Cleanup Site ID#	6233
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**206 Easy Street,
Wenatchee**

Public Comment Period: 8/30/2017 – 9/29/2017

The Washington State Department of Ecology (Ecology) is proposing to remove the Chelan County Fire District 1 site, located at 206 Easy Street, Wenatchee, Washington, from its Hazardous Sites List. The **Hazardous Sites List** is a statewide list of contaminated properties. The site is currently ranked a “5” on the list. A rank of “1” is the highest level of concern compared to other sites on the list, and a rank of “5” is the lowest.

This site was used as a fuel storage site for the fire department in the past. The contaminants were gasoline and diesel fuel, and affected the soil. The pollution from the historical fuel station is no longer a threat to human health or the environment.

Direct questions and comments to:

Jeff Newschwander

509-454-7842

Jeff.Newschwander@ecy.wa.gov

Supporting documents are available for review at the following locations:

- Ecology's Chelan County Fire District 1 site webpage: <https://fortress.wa.gov/ecy/gsp/Sitepage.aspx?csid=6233>
- Wenatchee Public Library: 305 S. Main Street, Wenatchee, **509-662-5021**
- Central Regional Office: 1250 W Alder St, Union Gap (call **509-575-2027** for an appointment)

For more information on opportunities to participate, go to Ecology's Public Events Calendar: <https://fortress.wa.gov/ecy/publiccalendar/>

Site Register

CLARK COUNTY

400 E Mill Plain Drywells

Facility Site ID# 8223776 Cleanup Site ID# 4699

400 E Mill Plain Blvd., Vancouver

Public Comment Period 8/7/17 – 9/6/17

Proposed Removal from the Hazardous Sites List

Ecology invites you to comment on removing the East Mill Plain Drywells cleanup site from the Hazardous Sites List. The site had metals (chromium, lead, and mercury) and diesel contamination in the soil and was cleaned up under the **Voluntary Cleanup Program**. Ecology has determined that this site does not pose a threat to human health or the environment and recommends removing the site from the Hazardous Sites List.

To submit comments, contact:

Adam Harris, site manager

360-407-6528

Adam.Harris@ecy.wa.gov

For public involvement information, contact:

Stacy Galleher

360-407-6255

Stacy.Galleher@ecy.wa.gov

Site documents are available for review and comment at the following locations:

- Ecology's site webpage: **<https://fortress.wa.gov/ecy/gsp/Sitepage.aspx?csid=4699>**
- Vancouver Community Library: 901 C Street, Vancouver, **360-906-5000**
- Ecology's Southwest Regional Office: 300 Desmond Drive SE, Lacey. Please call **360-407-6365** for an appointment or email **PublicDisclosureSWRO@ecy.wa.gov**.

Camp Bonneville Military Reservation Site

Facility Site ID# 69965472 Cleanup Site ID# 11670

Proebstel

Public Comment Period 8/16/17 – 9/18/17

Proposed Changes to Cleanup Action Plans for Public Review and Comment

Ecology invites you to review and comment on changes to cleanup action plans for Remedial Action Unit 2A - Small Arms Ranges Areas 16 and 21, and Remedial Action Unit 3 - Central Impact Target Zone for the Camp Bonneville Military Reservation Site in Proebstel, Clark County. The cleanup action plan is a document between Ecology and Clark County that outlines the process for cleanup activities at the site. A public meeting on the topic of this public notice will be held if requested by at least 10 people during the comment period.

To submit comments, go to: **<http://wt.ecology.commentinput.com/?id=HcfpK>**

For more information and/or to request a public meeting, contact:

Ronnie Johnson, site specialist

360-407-6487

Ronnie.Johnson@ecy.wa.gov

Document review locations:

- Ecology's Camp Bonneville webpage: **<https://fortress.wa.gov/ecy/gsp/Sitepage.aspx?csid=11670>**
- Ecology Headquarters: 300 Desmond Drive SE, Lacey (please make an appointment with **Carol Dorn**, **360-407-7224**, **Carol.Dorn@ecy.wa.gov**)

Site Register

COWLITZ COUNTY

Holts Quik Chek Market
400 N. Pacific Ave. Kelso

Facility Site ID# 87376683 Cleanup Site ID# 6797

Public Comment Period: 8/7/17 – 9/6/17

Proposed Removal from the Hazardous Sites List

Ecology invites you to comment on removing the Holts Quik Chek Market cleanup site from **The Hazardous Sites List**. The site had gasoline contamination in the soil and groundwater and was cleaned up under the **Voluntary Cleanup Program**. Ecology has determined that this site does not pose a threat to human health or the environment and recommends removing the site from the Hazardous Sites List.

To submit comments, contact:
Aaren Fiedler, site manager
360-407-6437
Aaren.Fiedler@ecy.wa.gov

For public involvement information, contact:
Stacy Galleher
360-407-6255
Stacy.Galleher@ecy.wa.gov

Site documents are available for review and comment at the following locations:

- Ecology's site webpage: <https://fortress.wa.gov/ecy/gsp/Sitepage.aspx?csid=6797>
- Kelso Public Library, 351 Three Rivers Dr., Suite 1263, Kelso, 360-423-8110
- Ecology's Southwest Regional Office, 300 Desmond Drive SE, Lacey. Please call **360-407-6365** for an appointment or email PublicDisclosureSWRO@ecy.wa.gov.

International Paper

Facility Site ID# 1080

Cleanup Site ID# 3685

10 International Way, Longview

Public Comment Period: 8/17/17 — 10/2/17

Open House and Public Hearing: Thursday, September 28, 5 p.m.

Draft Remedial Investigation and Feasibility Study Report for Public Review and Comment

An area at the former International Paper Company (International Paper) facility in Longview is ready to be cleaned up. The property, now owned by the Port of Longview, is the site of historic wood treatment operations. International Paper found contamination at the Maintenance Facility Area during cleanup of the Treated Wood Products Area.

About 6,470 cubic yards of soil are contaminated with diesel-range organics, polycyclic aromatic hydrocarbons (PAHs), and pentachlorophenol (PCP) above soil cleanup levels that protect groundwater. Groundwater is contaminated with the same chemicals.

A draft report called a remedial investigation and feasibility study is ready for public comment and review. The report:

- Determines site features such as groundwater flow
- Defines the type and extent of contamination
- Assesses potential effects on human health and the environment
- Establishes cleanup criteria

Site Register

- Evaluates cleanup options
- Evaluates cost estimates of cleanup options

You can also join Ecology staff for an open house and public hearing on Thursday Sept. 28 at the **Cowlitz County Event Center**. The open house begins at 5:00 p.m. and the public hearing begins at 6:00 p.m.

Submit comments online: <http://wt.ecology.commentinput.com/?id=TUZuk> or by mail to:

Kerry Graber (360-407-0241; Kerry.graber@ecy.wa.gov)

P.O. Box 47775

Olympia, WA 98504-7775

Document review locations:

- Ecology's International paper cleanup site webpage: <https://fortress.wa.gov/ecy/gsp/sitepage.aspx?csid=3685>
- Southwest Regional Office: 300 Desmond Drive Lacey (by appointment only: contact **Susie Baxter** at **360-407-6365** or PublicDisclosureSWRO@ecy.wa.gov)
- Longview Public Library: 1600 Louisiana St, Longview, **360-442-5300**, hours: Mon. – Wed., 10 a.m. to 8 p.m., Thurs.–Sat 10 a.m. to 5 p.m.

KING COUNTY

Renton Shopping Center

Facility Site ID# 26515148 Cleanup Site ID# 5785

351 Hardie Avenue SW, Renton

Public Comment Period: 8/3/2017 – 9/4/2017

Periodic Review Available for Public Review and Comment

Ecology invites you to review and comment on a document called a periodic review for a portion of the Renton Shopping Center site. A periodic review is conducted at least every five years after the initiation of a cleanup action at a site or property, as required by the Model Toxics Control Act (MTCA).

The purposes of the review are to evaluate site conditions and to ensure continued protection of human health and the environment, when institutional controls are used as part of a remedy. Ecology 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. An additional public comment period will be held if significant changes are made.

Please direct comments and questions to:

Jing Song, periodic review coordinator

425-649-7109

jing.song@ecy.wa.gov

Site documents are available for review and comment at the following locations:

- Renton Shopping Center site: <https://fortress.wa.gov/ecy/gsp/Sitepage.aspx?csid=5785>
- Ecology's Northwest Regional Office: 3190 160th Avenue SE, Bellevue. Contact **Sally Perkins** for an appointment at **425-649-7190** or Sally.Perkins@ecy.wa.gov.

Site Register

Gas Works Park Cleanup Site

Facility Site ID# 139

Cleanup Site ID# 2876

Seattle

Public Comment Period: 9/11/2017 – 10/10/2017

Draft Interim Cleanup Action Plan for Public Review and Comment

Ecology invites you to comment on draft plans for an interim cleanup action at Gas Works Park in Seattle. Puget Sound Energy (PSE) will begin operating a system this fall that will be used to monitor and remove arsenic contamination in the park, that was a result of past manufactured gas processes. The system was installed in the spring of 2017.

The draft plans for review include:

- Draft Amendment to an Agreed Order: an update to the existing legal agreement between Ecology, City of Seattle, and PSE.
- Draft Interim Action Work Plan: describes the work to be done this fall.
- State Environmental Policy Act Determination of Non-Significance addendum: states that no adverse environmental impact will result from work.

Direct comments and questions to:

Ching-Pi Wang, project manager
425-649-7134
cwan461@ecy.wa.gov

Site documents are available for review and comment at the following locations:

- Ecology's Gas Works Park web page: <http://bit.ly/ECYGasWorksPark>
- Ecology's Northwest Regional Office: 3190 160th Avenue SE, Bellevue (Contact **Sally Perkins** for an appointment at 425-649-7190 or Sally.Perkins@ecy.wa.gov.)

KITTITAS COUNTY

CWU Jongeward Services Building

Facility Site ID# 21589197

Cleanup Site ID# 2609

400 E University Wy, Ellensburg

Remedial Investigation Report Available for Public Review

Ecology has received a Remedial Investigation Report for the CWU Jongeward Services Building site in Ellensburg. The site is one of several being cleaned up under **Ecology's Eastern Washington Clean Sites Initiative**. The CWU Jongeward Services Building site is located on the west side of Central Washington University's campus. Groundwater and soil at the site were contaminated with petroleum products.

For more information:

- CWU Jongeward Services Building site: <https://fortress.wa.gov/ecy/gsp/Sitepage.aspx?csid=2609>
- Eastern Washington Clean Sites Initiative: http://www.ecy.wa.gov/programs/tcp/sites_brochure/CSI/Index.html
- Contact Ecology's Central Regional Office public records coordinator at 509-454-7658 or cropublicrequest@ecy.wa.gov.

Site Register

MASON COUNTY

Goose Lake Site

Facility Site ID# 1185

Cleanup Site ID# 2537

Shelton

Public Comment Period: 8/31/17 – 10/2/17

Public Meeting: 9/21/2017

Comments Invited on Legal Agreement for Partial Site Cleanup and Public Participation Plan

The Washington Department of Ecology invites public comment on a draft legal agreement with Shelton Hills Investors, LLC (Shelton Hills), committing them to clean up a small area in the ravine southwest of Goose lake.

The legal agreement, called an agreed order, requires Shelton Hills to conduct a partial cleanup called an interim action. The interim action would take place in a small portion of the larger site.

In addition to the agreed order, you can review and comment on a work plan for the interim action. To support completing this project during the 2017 construction season, Shelton Hills will conduct some of the interim action work concurrently with this comment period. You may also review and comment on the draft public participation plan, which describes the tools Ecology will use to inform the public and gather feedback.

Please join us for a public meeting to share information about the partial cleanup and agreed order:

September 21, 2017

6:30 – 8:30 p.m.

Mason PUD3 Building

2621 E. Johns Prairie Road

Direct comments and questions to:

Connie Groven, site manager

360-407-6254

Connie.Groven@ecy.wa.gov

You can review the documents at the following locations:

- Ecology's Goose Lake webpage: **<https://fortress.wa.gov/ecy/gsp/Sitepage.aspx?csid=2537>**
- Shelton Timberland Regional Library: 710 W. Alder Street, Shelton, **360-426-1362**
- Southwest Regional Office: 300 Desmond Drive Lacey (by appointment only: contact **Susie Baxter** at **360-407-6365** or **PublicDisclosureSWRO@ecy.wa.gov**)

For public involvement information, please contact Megan MacClellan at **360-407-0067** or **Megan.MacClellan@ecy.wa.gov**.

Site Register

THURSTON COUNTY

West Olympia Landfill

Facility Site ID# 1425

Cleanup Site ID# 4807

1305 Cooper Point Road SW, Olympia

Public Comment Period 8/7/2017 – 9/6/2017

Agreed Order Available for Public Review and Comment

Ecology working with the City of Olympia, has an agreed order (legal agreement) for the Former West Olympia Landfill Site. This legal agreement requires the City of Olympia to conduct a remedial investigation and a feasibility study. These studies will define the nature and extent of site contamination and examine possible cleanup options. The former landfill contaminated the groundwater with trichloroethylene (TCE).

Site documents are available for review and comment at the following locations:

- Ecology's site webpage: <https://fortress.wa.gov/ecy/gsp/Sitepage.aspx?csid=4807>
- Olympia Timberland Library, 313 8th Avenue SE, Olympia, WA 98501 Phone: (360) 352-0595
- Ecology Southwest Regional Office: 300 Desmond Drive SE, Lacey (by appointment only: contact **Susie Baxter** at **360-407-6365** or **PublicDisclosureSWRO@ecy.wa.gov**)

To submit written comments or ask technical questions, contact **Mohsen Kourehdar**, site manager, at **360-407-6305** or **mohsen.kourehdar@ecy.wa.gov**. For public involvement information, contact **Megan MacClellan** at **360-407-0067** or **mmac461@ecy.wa.gov**.

WHATCOM COUNTY

Chevron 90619 Cleanup Site

Facility Site ID# 35363194 Cleanup Site ID# 8836

Bellingham

Negotiations underway for Agreed Order

Ecology is negotiating an agreed order with potentially liable persons to investigate the Chevron 90619 site and develop a cleanup action plan for the site. Negotiations began on August 23, 2017. Petroleum products have previously been found in soil and groundwater at the site. The property was the former location of gas and service stations which began operations around 1930. The service station building and tanks were removed in 1991.

Please direct questions to the cleanup project manager:

Mary O'Herron, project manager
360-715-5224 or **mary.oherron@ecy.wa.gov**

Ecology's Chevron 90619 webpage: [_Bit.ly/ECYChevron90619](https://bit.ly/ECYChevron90619)

Site Register

**South State Street Manufactured Gas Plant
Cleanup Site**

Facility Site ID# 2865

Cleanup Site ID# 4606

Boulevard Park, Bellingham

Comment Period: 8/28/2017 - 9/26/2017

Public Meeting: 8/30/17, 6-8 p.m.

Ecology seeks comments on planned work to prevent soil erosion along Bellingham Bay shoreline

The Department of Ecology (Ecology) invites you to comment on planned work to prevent potentially contaminated soil from eroding into Bellingham Bay. The work will occur at the north end of Boulevard Park, within the South State Street Manufactured Gas Plant Site, and includes repairing damage from winter storms by reshaping the shoreline and placing rock to prevent future erosion. In addition, an existing failing dock is slated for removal. Work is scheduled to begin in September and last about a month.

Documents regarding the work include:

- An amendment to an existing legal agreement (agreed order) between Ecology, the City of Bellingham, and Puget Sound Energy
- A workplan for the Boulevard Park work

Ecology is making the documents available for public review and will accept written comments from August 28 – September 26, 2017.

Ecology will also hold a public meeting to provide more information:

Wednesday, August 30, 2017; 6-8 p.m.

Bellingham City Hall

City Council Chambers

210 Lottie Street

Bellingham, WA 98225

Please direct questions or submit comments to:

John Guenther, site manager

360-715-5213

john.guenther@ecy.wa.gov

You can find documents at the following locations:

- Ecology's website: **<http://bit.ly/SouthStateStreet>**
- Ecology's Northwest Regional Office, 3190 160th Avenue SE, Bellevue (Please contact **Sally Perkins** for an appointment at **425-649-7190** or **Sally.Perkins@ecy.wa.gov**.)
- Bellingham Public Library, 210 Central Avenue, Bellingham, **360-778-7323**
- Ecology's Bellingham Office, 1440 10th Street, Suite 102, Bellingham, **360-778-7323**

Site Register

YAKIMA COUNTY

Terrace Heights Elementary School

Facility Site ID# 221207

Cleanup Site ID# 3874

101 N 41st St, Yakima, Washington (previously 4300 Maple Court, Yakima)

Public Comment Period: 8/23/2017 — 9/22/2017

Ecology is proposing to remove the Terrace Heights Elementary School site, located at 4300 Maple Court, Yakima, from its Hazardous Sites List. **The Hazardous Sites List** is a statewide list of contaminated properties. The site is currently ranked a “5” on the list. A rank of “1” is the highest level of concern compared to other sites on the list, and a rank of “5” is the lowest. This site has lead and arsenic present in soil due to suspected past pesticide use. A geotextile barrier with a clean soil cap was installed at the site to prevent public exposure.

Direct questions and comments to:

Jeff Newschwander

509-454-7842

Jeff.Newschwander@ecy.wa.gov

Supporting documents are available for review at the following locations:

- Ecology’s Terrace Heights Elementary School Site Information web page: <https://fortress.wa.gov/ecy/gsp/Sitepage.aspx?csid=3874>
- Yakima Public Library: 102 North 3rd Street, Yakima, 509-452-8541
- Central Regional Office: 1250 W Alder St, Union Gap (call **509-575-2027** for an appointment)

Site Register

INDEPENDENT CLEANUPS

A property owner may conduct an independent cleanup of contamination and submit reports to Ecology.

Independent Cleanup Contacts

Central Regional Office: Public Records Coordinator at cropublicrequest@ecy.wa.gov or **509-454-7658**

Eastern Regional Office: Kathy Falconer at Kathy.Falconer@ecy.wa.gov or **509-329-3568**

Northwest Regional Office: Donna Musa at Donna.Musa@ecy.wa.gov or **425-649-7136**

Southwest Regional Office: Kim Cross at Kim.Cross@ecy.wa.gov or **509-329-3568**

BENTON COUNTY

Jackpot Food Mart 056

Facility Site ID# 38214358 Cleanup Site ID# 5992

500 George Washington Way, Richland

Groundwater Monitoring Report Received

Date Report Received: 8/14/2017

Name of Report: Second Quarter 2017 Groundwater Monitoring Report

Date of Report: 8/7/2017

Type of Report: groundwater monitoring

Contaminants Reported: petroleum

Affected Media: groundwater

Contact: Central Regional Office Public Records Coordinator
509-454-7658
cropublicrequest@ecy.wa.gov

CHELAN COUNTY

Blewett Pass Gasoline Spill

Facility Site ID# 23072

Cleanup Site ID#

11871

Milepost 171.25 Hwy 97, Cle Elum

Groundwater Monitoring Report Received

Date Report Received: 8/11/2017

Name of Report: July 2017 Quarterly Groundwater Monitoring Event

Date of Report: 8/8/2017

Type of Report: groundwater monitoring

Contaminants Reported: petroleum

Affected Media: groundwater

Contact: Central Regional Office Public Records Coordinator
509-454-7658
cropublicrequest@ecy.wa.gov

Site Register

KITTITAS COUNTY

Red Bridge Rd Property

Facility Site ID# 1304926 Cleanup Site ID# 3721

5130 Red Bridge Rd, Cle Elum

Report Received

Date Report Received: 8/17/2017
Name of Report: Soil Sampling letter report
Date of Report: 8/8/2017
Type of Report: soil sampling
Contaminants Reported: petroleum
Affected Media: soil

Contact: Central Regional Office Public Records Coordinator
509-454-7658
cropublicrequest@ecy.wa.gov

YAKIMA COUNTY

Bleyhl Farm Service Sunnyside

Facility Site ID# 56531667 Cleanup Site ID# 6304

1720 Eastway Dr, Sunnyside

Groundwater Monitoring Report Received

Date Report Received: 8/10/2017
Name of Report: June 2017 Quarterly Groundwater Monitoring Report
Date of Report: 8/2/2017
Type of Report: groundwater monitoring
Contaminants Reported: petroleum
Affected Media: groundwater

Contact: Central Regional Office Public Records Coordinator
509-454-7658
cropublicrequest@ecy.wa.gov

Congdon Retail Property

Facility Site ID# 42789196 Cleanup Site ID# 393

6900 W Nob Hill Blvd, Yakima

Environmental Site Assessment Report Received

Date Report Received: 8/21/2017
Name of Report: Phase II Environmental Site Assessment Report
Date of Report: 8/8/2017
Type of Report: assessment
Contaminants Reported: lead, arsenic
Affected Media: soil

Contact: Central Regional Office Public Records Coordinator
509-454-7658 or cropublicrequest@ecy.wa.gov

Site Register

NEWS & NOTES

NEW! Guidance with Updated Gasoline and Diesel Soil Concentrations

To help you fulfill requirements for a site-specific Terrestrial Environmental Evaluation (TEE), we've released new Implementation Memorandum No. 19: **Gasoline and Diesel Soil Concentrations Predicted to be Protective of Upland Ecological Receptors**.

This short memorandum updates gasoline and diesel soil concentrations that are predicted to be protective of plant and soil biota for total petroleum hydrocarbons (TPH) at any MTCA site. Find it on Ecology's **publications website** or TCP's **Policies and Procedures webpage**.

Please direct questions and comments to:

Arthur Buchan, Toxicologist
Policy & Technical Support Unit, Headquarters, Toxics Cleanup Program
arthur.buchan@ecy.wa.gov, 360-407-7146

Scott O'Dowd, Engineer
Policy & Technical Support Unit, Headquarters, Toxics Cleanup Program
sodo461@ecy.wa.gov, 360-407-7195

Updated Model Remedy Documents Available for Comment through September 22

In March 2017, Ecology released **Frequently Asked Questions (FAQ's) Regarding Model Remedy Implementation (Memo No. 20)**. The memo indicated that Ecology intended to update both the soil and groundwater model remedy guidance to incorporate policy changes that occurred since the documents were originally released.

Both the soil and groundwater guidance documents have been updated and are now available for public review:

- **DRAFT Model Remedies for Sites with Petroleum Contaminated Soils (rev. August 2017):** <https://fortress.wa.gov/ecy/publications/SummaryPages/1509043.html>
- **DRAFT Model Remedies for Sites with Petroleum Impacts to Groundwater (rev. August 2017):** <https://fortress.wa.gov/ecy/publications/SummaryPages/1609057.html>

You're invited to submit comments by September 22, 2017 to:

Mark E. Gordon, P.E., Department of Ecology – Toxics Cleanup Program
P.O. Box 47600, Olympia, WA 98504-7600
360-407-6357, marg461@ecy.wa.gov

Site Register

September 2017: Listening Sessions for Vapor Intrusion and Model Remedies

In September during the comment periods for the new *Vapor Intrusion Memo No. 18*, updated *Model Remedies for soil*, and updated *Model Remedies for groundwater*, Ecology will hold two listening sessions in Lacey and Bellevue. These sessions will provide an opportunity for participants to ask questions and provide feedback on any of these three guidance documents. Ecology staff will be available for an open discussion on other topics of interest to the audience, if time allows. Please join us on:

- **September 11, 2017 from 1:00 to 3:00 p.m.** in room ROA-36 at Ecology Headquarters, Lacey, WA.
- **September 13, 2017 from 10:00 a.m. to 12:00 p.m.**, in room 2A/B at Ecology's Northwest Regional Office, Bellevue, WA.

For more information, contact:

Mark E. Gordon, P.E., Department of Ecology – Toxics Cleanup Program
P.O. Box 47600, Olympia, WA 98504-7600
360-407-6357, marg461@ecy.wa.gov

Comments Accepted through September 22nd: Guidance on Evaluating Sites for Petroleum Vapor Intrusion

Your comments are requested on Ecology's new guidance for evaluating sites with petroleum vapor intrusion.

In October 2009, we released a draft vapor intrusion (VI) guidance document (*Guidance for Evaluating Soil Vapor Intrusion in Washington State: Investigation and Remedial Action*). Since that time, much more new information has become available about the makeup and migration potential of petroleum vapors.

In March 2016, we subsequently issued Implementation Memo No. 14 (*Updated Process for Initially Assessing the Potential for Petroleum Vapor Intrusion*) to provide direction for initially assessing whether vapor intrusion is a potential concern at sites with petroleum contamination. While Memo No. 14 resolved a number of questions, we found that several remaining issues still needed clarification.

To address these issues, we've prepared **draft Implementation Memo No. 18**, which proposes the following:

1. Several modifications to the **CLARC Vapor Intrusion data tables** to account for the additive effects of non-carcinogenic compounds present in petroleum mixtures. This includes establishing a generic TPH indoor air cleanup level that can be used as an alternative to developing a site specific value.
2. Options for assessing whether petroleum VI represents a reasonably likely threat to future buildings, and
3. Additional direction for developing Tier I or Tier II petroleum VI sampling plans.

For more information, contact:

Mark E. Gordon, P.E., Toxics Cleanup Program
P.O. Box 47600, Olympia, WA 98504-7600
360-407-6357, marg461@ecy.wa.gov

Site Register

NEW! Guidance to Establish Conditional Points of Compliance for Groundwater to Surface Water Discharge Settings

We're pleased to announce the release of **Implementation Memorandum No. 16: Developing Conditional Points of Compliance at MTCA Sites Where Groundwater Discharges to Surface Water**. The guidance is designed to help site managers and environmental consultants make decisions in accordance with MTCA on "when" and "where" conditional points of compliance may be set where contaminated groundwater discharges to surface water.

Please direct questions and comments to:

Jerome Cruz, Hydrogeologist, Toxics Cleanup Program, Northwest Regional Office
jerome.cruz@ecy.wa.gov, 425.649.7094

Mark Adams, Hydrogeologist, Toxics Cleanup Program, Northwest Regional Office
mark.adams@ecy.wa.gov, 425.649.7107

Site Register

GLOSSARY

Agreed order - A legal agreement with Ecology to make sure the cleanup meets the standards of Washington State's cleanup law, the Model Toxics Control Act (MTCA).

Cleanup action plan (CAP) - A document that describes the selected cleanup method(s) 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. A draft of the CAP (DCAP) is made 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.

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

ERTS - Environmental Report Tracking System

Five-year periodic review - A periodic review is conducted at least every five years after the initiation of a cleanup action at a site, as required by the Model Toxics Control Act (MTCA). The purposes of the review are to evaluate site conditions, after cleanup is considered complete, and to ensure protection of human health and the environment.

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.

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.

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. They only need to 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.

Site Register

LUST - Leaking Underground Storage Tank

NFA - No Further Action

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.

PSI - Puget Sound Initiative

RCW - Revised Code of Washington

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

Remedial investigation/feasibility study - Two distinct but related studies. They are usually performed at the same time, and together referred to as the "RI/FS."

RI/FS - See Remedial Investigation/Feasibility Study

SEPA - State Environmental Policy Act

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.

TCP - Ecology's Toxics Cleanup Program

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.

UXO - Unexploded Ordnance

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

WAC - Washington Administrative Code

WARM, Washington Ranking Method - The method used to rank sites placed on the Hazardous Sites List.

Find more glossary terms on Ecology's website: www.ecy.wa.gov/programs/tcp/tcp_acronym_list.htm

Site Register

SITE INFORMATION ONLINE

Information on all Toxics Cleanup Program sites: <https://fortress.wa.gov/ecy/gsp>

Public Events related to the sites in this issue: <https://fortress.wa.gov/ecy/publiccalendar/>

REGIONAL OFFICES

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