



## **Public Participation Plan Frederickson Industrial Park**

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**18001 Canyon Road East  
Puyallup, WA 98375**

### **Toxics Cleanup Program**

Washington Department of Ecology  
Olympia, Washington

January 2014, updated March 2025

## Publication Information

This document is available on the Department of Ecology's Frederickson Industrial Park [cleanup site page](#).<sup>1</sup>

### Related Information

- Cleanup site ID: 3557
- Facility site ID: 1301

## Contact Information

### [Toxics Cleanup Program](#)<sup>2</sup>

Southwest Region Office  
PO Box 47775  
Olympia, WA 98504  
Phone: 360-407-6300

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360-999-9590, [Cam.Penner-Ash@ecy.wa.gov](mailto:Cam.Penner-Ash@ecy.wa.gov)

## ADA Accessibility

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To request an ADA accommodation, contact the Ecology ADA Coordinator by phone at 360-407-6831 or email at [ecyadacoordinator@ecy.wa.gov](mailto:ecyadacoordinator@ecy.wa.gov). For Washington Relay Service or TTY call 711 or 877-833-6341. Visit [Ecology's website](#)<sup>3</sup> for more information.

## Language Access

The Department of Ecology offers free translation and interpretation services. If you need help in your preferred language, please call Cam Penner-Ash at 360-999-9590 and request an interpreter, or email [Cam.Penner-Ash@ecy.wa.gov](mailto:Cam.Penner-Ash@ecy.wa.gov).

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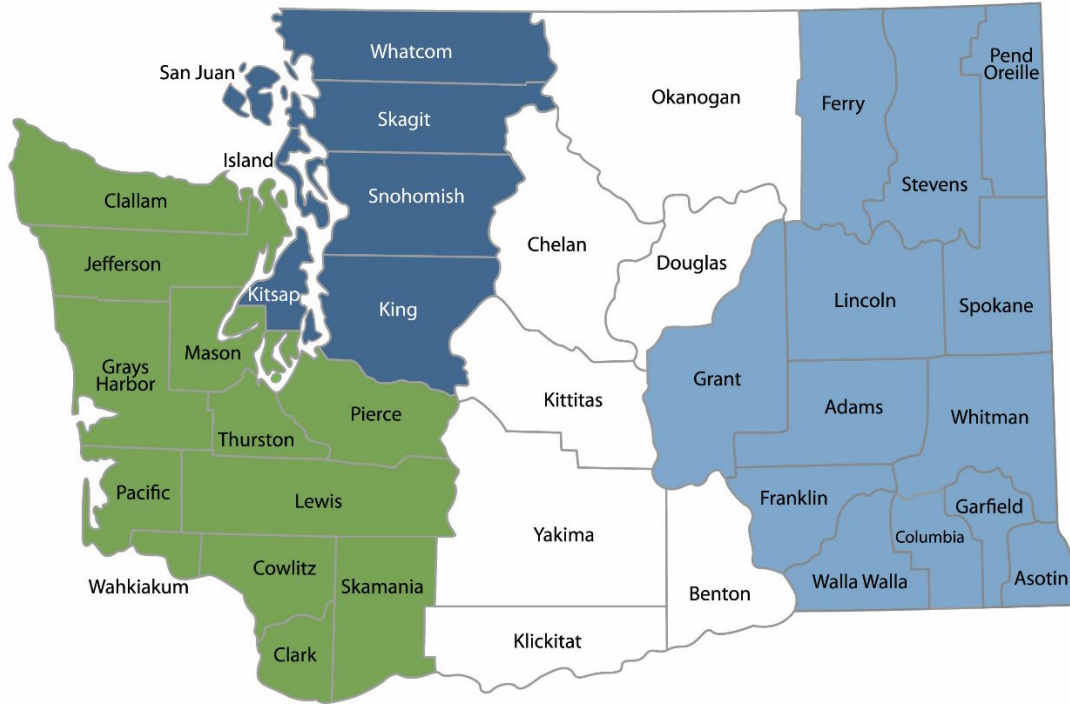
<sup>1</sup> <https://go.ecology.wa.gov/3557>

<sup>2</sup> <https://ecology.wa.gov/About-us/Who-we-are/Our-Programs/Toxics-Cleanup>

<sup>3</sup> <https://ecology.wa.gov/ADA>

# Department of Ecology's Region Offices

## Map of Counties Served



**Southwest Region**  
360-407-6300

**Northwest Region**  
206-594-0000

**Central Region**  
509-575-2490

**Eastern Region**  
509-329-3400

Region	Counties served	Mailing Address	Phone
<b>Southwest</b>	Clallam, Clark, Cowlitz, Grays Harbor, Jefferson, Mason, Lewis, Pacific, Pierce, Skamania, Thurston, Wahkiakum	PO Box 47775 Olympia, WA 98504	360-407-6300
<b>Northwest</b>	Island, King, Kitsap, San Juan, Skagit, Snohomish, Whatcom	PO Box 330316 Shoreline, WA 98133	206-594-0000
<b>Central</b>	Benton, Chelan, Douglas, Kittitas, Klickitat, Okanogan, Yakima	1250 W Alder St Union Gap, WA 98903	509-575-2490
<b>Eastern</b>	Adams, Asotin, Columbia, Ferry, Franklin, Garfield, Grant, Lincoln, Pend Oreille, Spokane, Stevens, Walla Walla, Whitman	4601 N Monroe Spokane, WA 99205	509-329-3400
<b>Headquarters</b>	Across Washington	PO Box 47600 Olympia, WA 98504	360-407-6000

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# Public Involvement in Contamination Cleanup

The Washington Department of Ecology (Ecology) developed this Public Participation Plan. The goal of this plan is to ensure meaningful community involvement throughout the cleanup of the Frederickson Industrial Park (site).

This Public Participation Plan was first created in January 2014 and updated in March 2025. The update included improving accessibility and updating contact information. Because these changes did not significantly change the original content, a public comment period was not needed.

This plan outlines how Ecology will keep the public informed about contamination investigations and cleanup options at each stage of the process. Please review Appendix A for more information about the cleanup process. The plan also details when and how the community can participate in the cleanup process. We encourage the public to engage with the decision-making opportunities and provide input.

## Site contacts

To be included in the site record, comments about the cleanup process must be submitted during comment periods. Questions and informal comments or information about the site's history are welcome anytime.

### Ecology

Southwest Region Office  
PO Box 47775, Olympia, WA 98504  
Phone: 360-407-6300

Cam Penner-Ash, site manager  
[Cam.Penner-Ash@ecy.wa.gov](mailto:Cam.Penner-Ash@ecy.wa.gov)  
360-999-9590

Abby Zabrodsky,  
public involvement coordinator  
[Abby.Zabrodsky@ecy.wa.gov](mailto:Abby.Zabrodsky@ecy.wa.gov)  
564-250-0561

### Potentially Liable Parties (PLPs)

Mallinckrodt US, LLC  
Karen Kampwerth  
Senior Director Remediation  
[karen.kampwerth@mnk.com](mailto:karen.kampwerth@mnk.com)  
314-795-6574

Olin Corporation  
Julie Peoples  
Senior Associate Environmental Specialist  
[jcpeoples@olin.com](mailto:jcpeoples@olin.com)  
423-650-2426

If you are unable to reach these contacts, please visit the [cleanup site page](#)<sup>4</sup> for up-to-date contact information.

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<sup>4</sup> <https://go.ecology.wa.gov/3557>

# Public Participation Activities

Members of the public may ask questions, submit informal comments, or share site information at any time. Interested parties do not need to wait for a formal public comment period to contact Ecology.

However, to be included in the formal site record, comments about the site investigation, cleanup alternatives, or cleanups must be submitted during formal comment periods. In addition, the public is invited to review site documents before they become final. This is the most direct and influential way to learn more about the site and be involved in the cleanup's decision-making.

## How we share information with the community

During specific stages of the cleanup, Ecology will mail notices about public comment periods to addresses surrounding the site. The mailing list area will vary depending on the type of contamination and where it's located. These notices will provide general information about the site, contact information for submitting comments, and times and locations of public meetings or hearings, or how to request one if not yet scheduled.

Comment period notices will be available online and at document repositories (for example at the library closest to the site). Notices may also be posted in various locations throughout the community (for example, local businesses, schools, or post offices).

Ecology may also develop documents outside of comment periods to keep the community updated on the site's status. These informational documents will be available online and print copies may be mailed to the nearby community if we feel the message warrants the associated cost and resources.

## Postal mailing list

Ecology's mailing list for this site may include neighboring landowners and businesses, public agencies, and other known interested parties. Ecology's Southwest Regional Office maintains the list and will update it as needed. People on the mailing list receive public comment notices when draft documents are available.

We will add additional individuals, organizations, and other interested parties to the mailing list as requested. Please contact Abby Zabrodsky at 564-250-0561 or [Abby.Zabrodsky@ecy.wa.gov](mailto:Abby.Zabrodsky@ecy.wa.gov) if you would like to have your address added to or deleted from this mailing list.

## Contaminated Site Register

Public comment periods, events, and other cleanup notices are published in Ecology's [Contaminated Site Register](#).<sup>5</sup> To receive the *Contaminated Site Register* by email, please [subscribe online](#),<sup>6</sup> or contact Sarah Kellington at [sarah.kellington@ecy.wa.gov](mailto:sarah.kellington@ecy.wa.gov) or 360-280-3167.

## Newspaper display ads or legal notices

We announce public comment periods and events for this site in ads or notices published in *The News Tribune* and *Puyallup Herald*. We will also publish notice on our [Public Input & Events Listing](#).<sup>7</sup>

## Email lists

Ecology maintains an email list to update interested persons about this site. If you would like to be added to the email list for this site, please contact Abby Zabrodsky at 564-250-0561 or [Abby.Zabrodsky@ecy.wa.gov](mailto:Abby.Zabrodsky@ecy.wa.gov).

## Ecology's website and social media platforms

We maintain a [website for the Frederickson Industrial Park site](#).<sup>8</sup> The website provides site information, and you may download cleanup documents.

We may also share information about cleanup sites through [news releases, our blog, and social media](#).<sup>9</sup>

## Places to see print documents

During public comment periods, you can find print documents at the following locations:

### South Hill Pierce County Library

15420 Meridian Avenue East  
Puyallup, WA 98375  
(253) 548-3303

### Washington Department of Ecology

Southwest Region Office  
300 Desmond Drive SE  
Lacey, WA 98503

To view print documents at Ecology's repository, you must schedule an appointment ahead of time. To schedule an appointment, please contact Susan Baxter at 360-407-6365 or [PublicDisclosureSWRO@ecy.wa.gov](mailto:PublicDisclosureSWRO@ecy.wa.gov).

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<sup>5</sup> <https://ecology.wa.gov/Regulations-Permits/Guidance-technical-assistance/Site-Register-lists-and-data>

<sup>6</sup> <https://ecology.wa.gov/site-register>

<sup>7</sup> <https://ecology.wa.gov/Events/Search/Listing>

<sup>8</sup> <https://go.ecology.wa.gov/3557>

<sup>9</sup> <https://ecology.wa.gov/About-us/Get-to-know-us/News>



## Signs around the cleanup site

We may also install signs displaying information about project status, traffic impacts, and health risks around the cleanup site.

## How you can share information with us

We hold public comment periods and sometimes public events to learn your thoughts, opinions, and concerns about cleanup at a site. We may also identify public concerns and cleanup goals by meeting with and soliciting information from interested community members and organizations. To collaborate with us about this site, please contact Cam Penner-Ash at 360-999-9590 or [Cam.Penner-Ash@ecy.wa.gov](mailto:Cam.Penner-Ash@ecy.wa.gov).

## Public comment periods

Comment periods are the primary method Ecology uses to get feedback from the public on proposed cleanup decisions. Comment periods usually last 30 days. WAC 173-340-600 requires them at key points during the investigation and cleanup process, before final decisions are made. During a comment period, the public can comment in writing. Ecology can only take verbal comments during a public hearing.

After comment periods, Ecology reviews all comments and may respond in a document called a responsiveness summary. Ecology considers whether a document or decision needs to be changed or revised based on public input. If there are major changes, Ecology may hold a second comment period. If there are no major changes, Ecology finalizes the draft document(s).

## Public events

Ecology may hold public meetings or other events at key points during the investigation and cleanup. Ecology also may offer public meetings for actions expected to be of particular interest to the community. Ecology will also hold a public meeting if ten or more people request one.

These events will be at places and times convenient to the public. Locations also must meet Americans with Disabilities Act standards. Public events are always announced in advance using a variety of methods.

## Public Participation Grants

Grants may be available to neighborhood committees, non-profits, and other groups interested in the site. For contaminated sites, these funds can be used to:

- Hire an expert to help interpret technical information
- Conduct activities that enhance the public's understanding of, and participation in, the cleanup process

For more information about public participation grants, please contact Laura Busby at 360-280-5088 or [laura.busby@ecy.wa.gov](mailto:laura.busby@ecy.wa.gov) and Jill Krumlauf at 360-790-5771 or [jill.krumlauf@ecy.wa.gov](mailto:jill.krumlauf@ecy.wa.gov). You may also visit the [Public Participation Grant webpage](#).<sup>10</sup>

## Site Information

### Location and site background

The site address is 18001 Canyon Road East, Puyallup. The property is about 527 acres of land located south of 176<sup>th</sup> Street East and east of Canyon Road East in Puyallup.

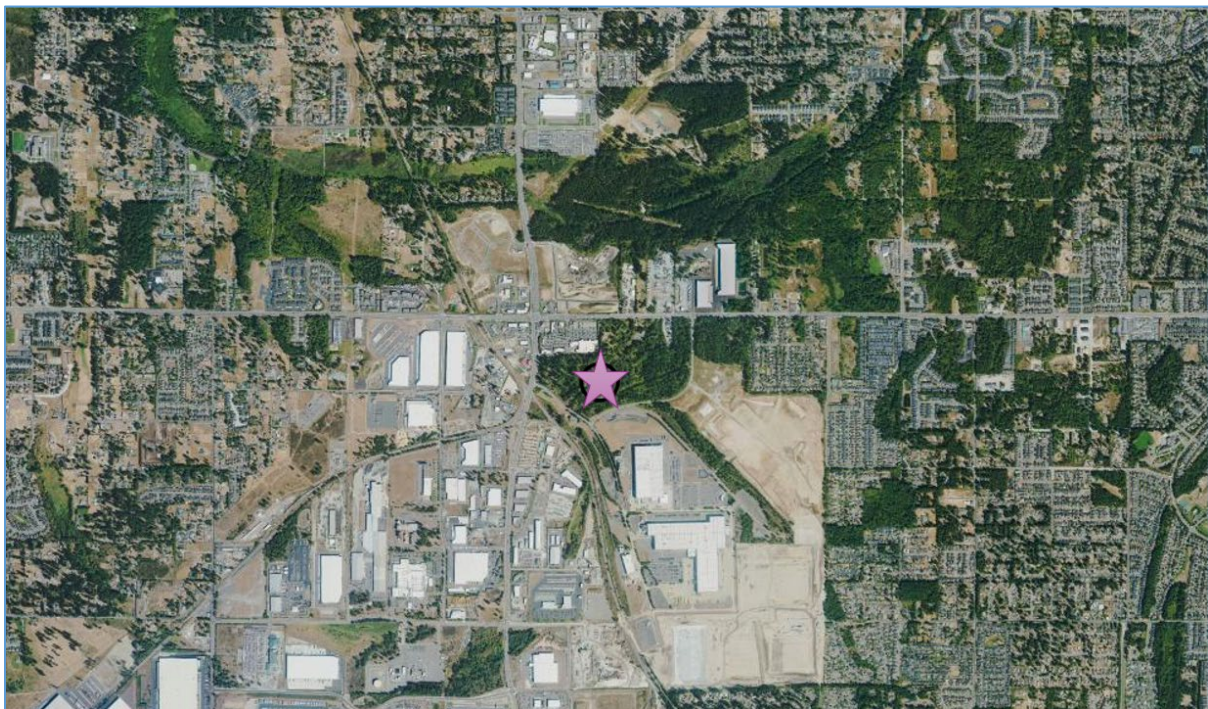


Figure 1: Approximate location of the Frederickson Industrial Park cleanup site

### Historical use

The Columbia Powder Company first developed the site in 1935 to produce explosives. Since then, property ownership changed many times:

- Columbia Powder Company sold the property to Olin Mathieson Chemical Corporation (Olin) in 1956.
- Olin sold the property to Commercial Solvents Corporation in 1963, which then changed its name to Mallinckrodt US, LLC (Mallinckrodt).

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<sup>10</sup> <https://ecology.wa.gov/PPG>

- Despite changes in ownership, explosives continued to be produced on site until 1976. Between 1976 and 1986, the site was used for timber cutting, lumber milling, and log storage.
- In 1987 Centrum Properties (Centrum) bought the site. Centrum then developed the site as an industrial park.
- In 1990, Centrum sold the property to the current site owner who developed the site to make aircraft parts.

Ecology named Mallinckrodt and Olin the potentially liable persons (PLPs) responsible for cleaning up the site in 1995. Mallinckrodt and Olin are the successors of previous site owners.

In 1997, Ecology entered into an agreed order with the PLPs to complete a second phase of the remedial investigation/feasibility study (RI/FS). The first phase was completed by Centrum in 1995.

## How the site became contaminated

Groundwater at the site is contaminated with carbon tetrachloride (CTC). In 1988, Centrum discovered it at the site while developing the property into an industrial park. In the past, CTC was used as a cleaning solvent or in fire control. CTC can be harmful to human health and the environment, so cleanup is important.

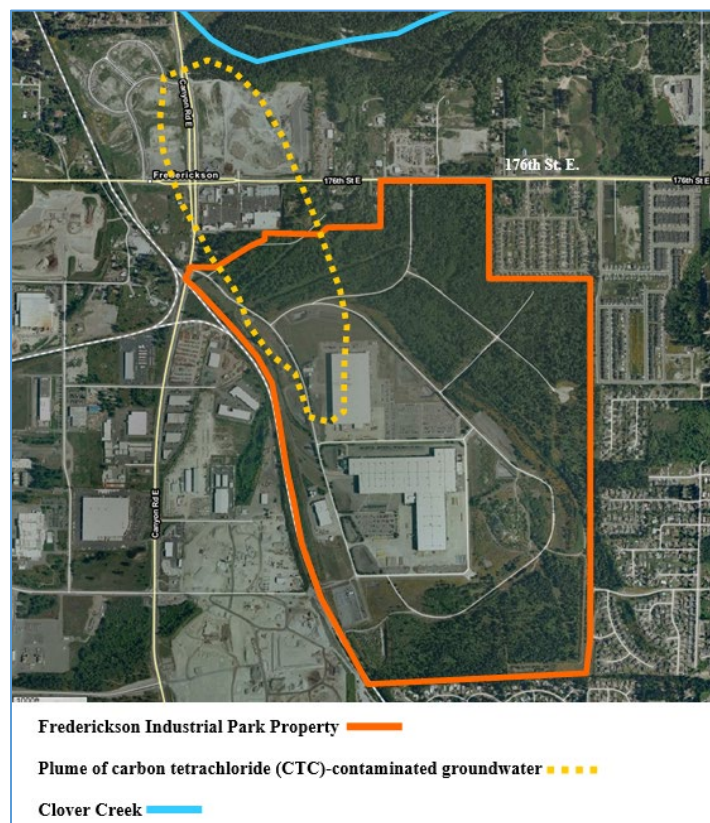


Figure 2: Frederickson Industrial Park area and contamination plume map.

## Earlier Site Cleanup

Over the past 25 years, the Potentially Liable Parties (PLPs) and other property owners have conducted multiple studies and cleanup efforts at the site. These efforts included:

- Studying soil, groundwater, and soil vapor.
- Removing contaminated soil, waste, and debris.
- Treating groundwater.
- Monitoring groundwater quality.

In 1999, testing showed that levels of carbon tetrachloride (CTC) in the area were low enough that vapor intrusion was not a risk to human health. (Vapor intrusion occurs when chemicals move from the soil or groundwater into the air inside buildings.)

However, further studies in 2000 found that the contamination had spread to well water supplies serving nearby homes and businesses. In response, public water service was extended to the affected area by 2007, ensuring that properties previously using private wells had access to safe drinking water.

Following these cleanup efforts, groundwater tests showed:

- The contaminated area (plume) was shrinking.
- Contamination levels were decreasing.

Because the site was improving naturally, experts proposed allowing the remaining CTC to break down through a process called **natural attenuation**. This method uses natural physical, chemical, and biological processes to reduce contamination over time.

The Washington State Department of Ecology (Ecology) selected natural attenuation as the final cleanup approach because:

- Studies confirmed that CTC levels were steadily decreasing.
- The risk of human exposure to contaminated groundwater was minimal.
- Other cleanup methods would have a larger environmental impact and higher costs.

## Public Review and Final Cleanup Plan

Ecology held a public comment period from January 23 to February 24, 2014, to gather feedback on the proposed cleanup plan. The following documents were available for public review:



- **Agreed Order** – A legal agreement requiring Olin Corporation and Mallinckrodt US, LLC to complete the cleanup. This order included:
  - **Cleanup Action Plan (CAP)** – Outlines the cleanup process.
  - **Compliance Monitoring Work Plan** – Details how, where, and when groundwater testing will occur.
  - **Remedial Investigation/Feasibility Study (RI/FS)** – Describes the contamination and evaluates cleanup options.
  - **Public Participation Plan** – Explains how Ecology will keep the public informed and involved.

No public comments were received during the review period. After finalizing the documents, cleanup efforts moved forward.

In 2023, Ecology conducted the first periodic site review. The results confirmed that the cleanup was effective, CTC levels were continuing to decrease, and environmental regulations were being followed.

## Tribal engagement

Tribal engagement is an important part of Ecology’s cleanup work, as stated in [WAC 173-340-620](#).<sup>11</sup> We aim to keep Tribes informed, ensure open communication, and provide ongoing opportunities to work together.

Please direct questions about Tribal engagement to Cam Penner-Ash at [Cam.Penner-Ash@ecy.wa.gov](mailto:Cam.Penner-Ash@ecy.wa.gov) or 360-999-9590.

## Washington’s Cleanup Laws

Ecology uses the [Model Toxics Control Act \(MTCA\)](#)<sup>12</sup> and accompanying regulations for cleanup activities. Passed in 1989, MTCA provides guidelines for contaminated site cleanup in Washington state. This law sets standards to ensure the cleanup protects people and the environment. MTCA requires the creation of this plan.

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<sup>11</sup> <https://app.leg.wa.gov/waC/default.aspx?cite=173-340-620>

<sup>12</sup> <https://www.ecology.wa.gov/mtca>

## Model Toxics Control Act

MTCA began in 1988 as a citizen-led effort to clean up contaminated sites in Washington state. The law holds property owners or operators responsible for cleaning up contamination on, or coming from, their property.

Ecology carries out MTCA, making sure cleanups happen according to state rules and regulations. These rules are found in [Chapter 173-340 Washington Administrative Code \(WAC\)](#).<sup>13</sup> Ecology investigates reports of contamination, and the property is placed on the [Contaminated Sites List](#)<sup>14</sup> if the pollution is determined to pose a serious risk to human health or the environment. This starts the cleanup process at the site.

The cleanup process under MTCA includes several steps (Appendix A). Public involvement is a key part of MTCA's [cleanup process](#).<sup>15</sup> Nearby residents, businesses, community groups, and other interested parties can review and comment on documents related to steps that make crucial decisions or plans about the cleanup.

## State Environmental Policy Act

MTCA cleanups also require evaluation under the [State Environmental Policy Act \(SEPA\)](#).<sup>16</sup> Under SEPA, the potential for significant adverse environmental impacts from a project or action must be evaluated by state and local agencies when making decisions. This evaluation is subject to public review and comment in parallel with cleanup documents.

## Plan Amendments

Ecology developed this plan following MTCA regulations (WAC 173-340-600). We review it as the cleanup progresses and amend it as necessary. You may suggest amendments to Abby Zabrodsky at 564-250-0561.

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<sup>13</sup> <https://app.leg.wa.gov/wac/default.aspx?cite=173-340>

<sup>14</sup> <https://apps.ecology.wa.gov/cleanupsearch/reports/cleanup/contaminated>

<sup>15</sup> <http://www.ecology.wa.gov/MTCA-process>

<sup>16</sup> <https://app.leg.wa.gov/WAC/default.aspx?cite=197-11>

## Appendix A. Steps in the MTCA cleanup process

The cleanup process is defined in the Model Toxics Control Act (MTCA), Washington's cleanup law. See the attached, accessible PDF for details.

# Washington's Cleanup Process

Public participation plans and comment periods are only required for cleanups under a legal agreement with Ecology. Otherwise, all cleanups follow the same steps. The steps are defined by Washington's cleanup law, the Model Toxics Control Act.



## Initial investigation

Find out if there's contamination needing cleanup.

## Assess the site

Evaluate potential threat to humans and the environment.

## Study the site (remedial investigation)

- Find out what and where the contamination is.
- Determine how contamination might impact living things.

## Consider options (feasibility study)

- Compare ways to keep the contamination from harming people or the environment.
- Weigh benefits versus costs of each cleanup option.

## Plan the cleanup (cleanup action plan)

- Describe Ecology's selected cleanup option.
- Set cleanup standards that will protect living things.
- Schedule next steps.
- Set requirements for monitoring and maintenance.

## Design the cleanup

Make detailed construction plans for the cleanup action.

## Clean up the site!

Complete the cleanup action. For example:

- Constructing a multi-layered capping system.
- Installing a treatment system.
- Removing contamination to a special landfill.

## Monitor, maintain, and review

- Operate treatment systems and monitor progress.
- Prevent activities that could disturb the cleanup.
- Review regularly to ensure cleanup still protects living things.

## Remove from Contaminated Sites List

Move to No Further Action list if site meets all standards and requirements.

Public input opportunity

### Interim actions

may clean up some contamination before the final cleanup.

### Legal orders or agreements

define required tasks and schedules.

**Public participation plans** explain how Ecology will ask for input from the local community.