



Responsiveness Summary

0 Comments Received

Frederickson Industrial Park

Cleanup Site ID: 3557

Facility ID: 1301

Address: 18001 Canyon Rd E, Puyallup WA 98375

County: Pierce

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Toxics Cleanup Program

Southwest Region Office

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2025 Periodic Review Public Comment Period

Ecology held a public comment period for the draft Periodic Review Report from April 17 to May 16, 2025. **We received no comments.**

Cleanup efforts will continue as described in the Cleanup Action Plan. The next periodic review is scheduled to occur within the next five years.

Summary of Outreach

Postcard and Fact Sheet

- **Mailed Notices:** Ecology mailed a printed postcard with a summary of the cleanup and comment period to about 130 nearby addresses, including homes and businesses.
- **Email Updates:** The same information was emailed to individuals who requested updates related to this cleanup site.
 - To receive future updates:
 - Contact Cam Penner-Ash at: Cam.Penner-Ash@ecy.wa.gov , and/or
 - Subscribe to the cleanup site at [Ecology's Frederickson Industrial Park cleanup website](#).¹
- **Online Access:** The postcard was also posted on [Ecology's Frederickson Industrial Park cleanup website](#).²

Site Register

Ecology published **three notices** in its *Contaminated Site Register*.

- **Comment Period Notices:**
 - Contaminated Site Register for – April 17, 2025
 - Contaminated Site Register for – May 1, 2025
 - Contaminated Site Register for – May 15, 2025

You can find these notices and download PDFs on the [Ecology Site Register webpage](#).³

Websites

- Ecology updated its Frederickson Industrial Park cleanup website. This update included:
 - Information about the public comment period.
 - Posting the outreach postcard and draft Period Review Report.
- These materials were also listed on Ecology's [Public Inputs & Events webpage](#).⁴

Document Repositories

Printed copies of the documents were available for public review at:

¹ <https://go.ecology.wa.gov/3557>

² <https://go.ecology.wa.gov/3557>

³ <https://ecology.wa.gov/regulations-permits/guidance-technical-assistance/site-register-lists-and-data>

⁴ <https://ecology.wa.gov/Events/Search/Listing>

- **South Hill Pierce County Library:** 15420 Meridian Avenue East Puyallup, WA 98375
- **Ecology Lacey Office** (by appointment): 300 Desmond Drive SE, Lacey, WA 98503

Overview of the Cleanup Site

Background

The Columbia Powder Company first developed the site in 1935 to produce explosives. Since then, property ownership has changed many times. 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, a new owner bought the site and developed it as an industrial park. In 1990, the property was sold again to the current site owner, Boeing, who developed the site to make aircraft parts.

Contamination and Early Cleanup

Site groundwater is contaminated with carbon tetrachloride (CTC). In the past, CTC was used as a cleaning solvent or in fire control. Cleanup is important because CTC can be harmful to human health and the environment.

In 1995, Ecology identified former property owners Mallinckrodt US, LLC (Mallinckrodt) and Olin Corporation (Olin) as the potentially liable persons (PLPs) responsible for cleaning up the site. The PLPs and other owners have conducted many studies and partial cleanup actions during the past 25 years. These included:

- Studying soil, groundwater, and soil vapor.
- Removing soil, waste, and debris.
- Treating groundwater.
- Monitoring groundwater. In 1999, samples showed that CTC levels around the site were low enough that there was no risk to human health through vapor intrusion. Vapor intrusion is when chemicals move from soil and groundwater into air in buildings.

In 2000, more studies showed the contaminant plume reaching well water supplies for nearby homes and businesses. By 2007, public water service was brought into the area near the plume and properties with private wells were connected to the public supply.

As a result, there is very little risk of human exposure to contamination.

Cleanup to Meet State Standards

Following earlier cleanup efforts, groundwater tests showed:

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

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

We 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.

To gather feedback on the proposed cleanup plan, Ecology held a public comment period from January 23 to February 24, 2014. Documents up for review included:

- An **Agreed Order** - a legal agreement that requires the potentially liable parties (Olin and Mallinckrodt) to clean up the site. Exhibits to the Agreed Order include:
 - The **Cleanup Action Plan** (CAP) - outlines the cleanup.
 - A **Compliance Monitoring Work Plan** - tells how, where, and when groundwater sampling will be done.
- A **Remedial Investigation/Feasibility Study** (RI/FS) - describes the nature and extent of contamination and compares cleanup options.
- A **Public Participation Plan** - describes the tools Ecology will use to inform the public and gather feedback.

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

Post-Cleanup Construction Periodic Review

Ecology completed a review of the site's cleanup in 2023. During that review, Ecology determined that:

- The cleanup method is **effectively protecting human health and the environment**.
- Groundwater monitoring shows **contamination levels are decreasing**.
- Ecology cleanup regulations are being followed.

For more information on Ecology's findings, please review [Ecology's Period Review Report](#).⁵

⁵ <https://apps.ecology.wa.gov/cleanupsearch/document/153089>