

## Cleanup Plans Available for Public Comment

The Washington State Department of Ecology (Ecology) invites you to comment on proposed cleanup plans for the Frederickson Industrial Park site. The site is located at 18001 Canyon Road East in Puyallup.

### Ecology Wants Your Comments!

Ecology will accept comments from **January 23 through February 24, 2014** on these draft documents:

- An **Agreed Order** — a legal agreement that requires the Olin Corporation (Olin) and Mallinckrodt US, LLC (Mallinckrodt) to clean up the site.
- A **Remedial Investigation/Feasibility Study (RI/FS)** — describes the contamination and compares cleanup options.
- A **Draft Cleanup Action Plan (CAP)** — outlines the recommended cleanup.
- A **Compliance Monitoring Workplan** — tells how, where, and when groundwater sampling will be done.
- A **Public Participation Plan** — describes the tools Ecology will use to inform the public and gather feedback.

You can review and comment on them at the locations listed to the right.

### Cleanup Plan

Site groundwater is contaminated with carbon tetrachloride (CTC). Former site owners used CTC as a cleaning solvent or in fire control (see page 2).

Due to earlier cleanup efforts (see page 2), recent samples show:

- The area of contaminated groundwater (called a plume) getting smaller (see page 3).
- Contamination levels decreasing.

Because cleanup is now happening naturally, the draft CAP calls for cleaning up remaining CTC by natural processes (called **natural attenuation**, see page 2).

The Potentially Liable Persons (PLPs), Mallinckrodt and Olin, will test groundwater to confirm CTC levels keep decreasing. Ecology and the PLPs will mail information to properties above the plume at least every five years. Ecology will also send a mailing 1.5 to 2 years prior to the first periodic review.

### Comments Accepted

**January 23—February 24, 2014**

#### Submit Comments and Questions to:

Guy Barrett, Site Manager  
WA Department of Ecology  
P.O. Box 47775  
Olympia, WA 98504-7775  
Phone: (360) 407-7115  
Guy.Barrett@ecy.wa.gov

#### Public Involvement Questions:

Natalie Graves  
Public Involvement Coordinator  
Phone: (360) 407-0067  
Natalie.Graves@ecy.wa.gov

### DOCUMENT REVIEW LOCATIONS

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

#### WA Department of Ecology

#### Southwest Regional Office

300 Desmond Drive SE  
Lacey, WA 98503

By appointment only:

Contact Susie Baxter,  
Susan.Baxter@ecy.wa.gov or  
(360) 407-6365

#### Ecology's Toxics Cleanup Website

<https://fortress.wa.gov/ecy/gsp/Sitepage.aspx?csid=3557>

Facility Site ID #: 1301



### Site History

From 1935 to 1976, many different owners produced explosives on the site. Between 1976 and 1986, the site was used for timber cutting, a lumber mill, and log storage. Since 1990, the site has been used to make aircraft parts.

CTC was found at the site in 1988 when it was redeveloped into an industrial park. A former owner, Centrum Properties, completed a first phase of the remedial investigation and feasibility study (RI/FS) in 1995.

Soon after, Ecology identified Mallinckrodt and Olin as the parties responsible for site cleanup (called the PLPs). In 1997, Ecology entered into an agreed order with the PLPs to do a second phase of the RI/FS.

### Earlier Site Cleanup

The PLPs and other owners 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 the contamination.

### Why Cleanup Matters

The groundwater at the site is contaminated with CTC. Groundwater is one of Washington's most vital natural resources. CTC can harm human health and the environment, so cleanup is important.

### What Happens Next?

After the comment period ends, Ecology will reply to comments we received. We will then finalize the cleanup plans. The PLPs will do the monitoring described in the draft CAP and workplan.

The current property owner will record an environmental covenant that prohibits the use of contaminated groundwater on the property. New off-property groundwater wells are prohibited unless first approved by Tacoma Water (the site is in the Pierce County Urban Growth Area).

### Natural Attenuation

The draft CAP calls for the remaining CTC contamination to be cleaned up by natural attenuation.

Natural attenuation is an effective way to manage some contaminated sites. It relies on natural physical, chemical, or biological processes to lower contamination over time.

Ecology selected natural attenuation as the final cleanup remedy because:

- Studies conclude that CTC is steadily decreasing.
- There is very little risk of human exposure to the contaminated groundwater.
- Other options showed to have a bigger environmental footprint and be more expensive.

The PLPs will sample groundwater regularly to make sure CTC levels keep decreasing.

# Frederickson Industrial Park

## Site Area and Groundwater Plume

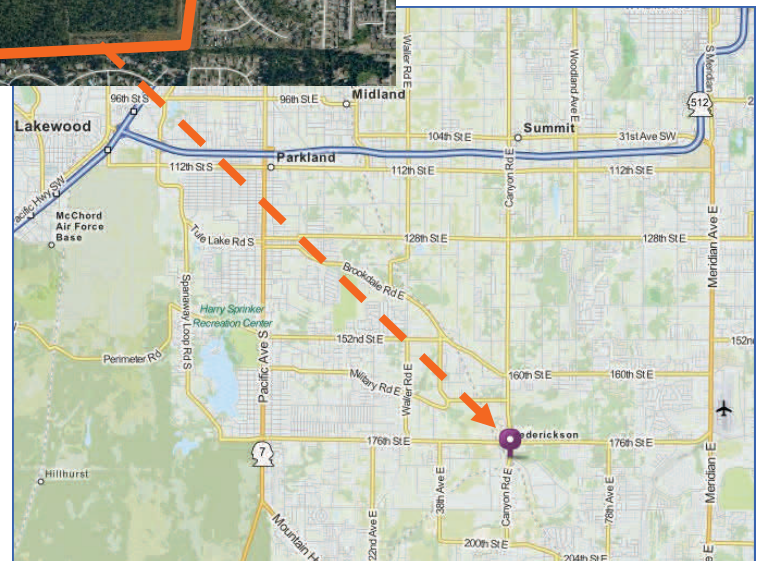
Frederickson Industrial Park Property 

Clover Creek 

Plume of carbon tetrachloride  
(CTC)-contaminated groundwater 



Frederickson Industrial Park is located at 18001 Canyon Road East, Puyallup.






DEPARTMENT OF  
**ECOLOGY**  
State of Washington

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Olympia, WA 98504-7775

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## **Frederickson Industrial Park Puyallup, WA**

Ecology seeks public comment on cleanup plans

### **Public Comment Period:**

**January 23 — February 24, 2014**

Facility Site ID #: 1301

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Persons with hearing loss, call 711 for Washington Relay Service. Persons with a speech disability call 877-833-6341.

### **Ecology Invites You to an Open House**

#### **When:**

Wednesday, February 5, 2014

6:30 to 8:30 p.m.

*Presentation will begin at 7 p.m.*

#### **Where:**

Frederickson Elementary School

17418 74th Avenue East

Puyallup, WA 98375-9747

#### **What:**

Ecology staff members will be available for one-on-one discussions and to answer your questions. The site manager will provide a brief presentation on the cleanup. Light refreshments will be provided.