

## Legal Agreement and Cleanup Study Available for Comment

The Department of Ecology (Ecology) would like your comments on a proposed legal agreement and cleanup report for the Marine Trades Area site. The site is located at Marine Drive and Tumwater Street in Port Angeles.

You can review these documents at places listed to the right:

- A draft **remedial investigation and feasibility study (RI/FS) report**. It describes the nature and extent of contamination and evaluates possible cleanup actions (see pages 2 and 3).
- A proposed **agreed order amendment** between Ecology, the Port of Port Angeles (port) and Chevron. It:
  - Removes the K Ply site from the Marine Trades Area site.
  - Requires the port and Chevron to develop a draft cleanup action plan, which selects cleanup methods and describes how they meet Ecology's standards.
- A **public participation plan**, which describes tools Ecology will use to inform the public about, and gather input on, the cleanup.

### Public Comment Invited

Ecology is accepting comments and questions from **May 16 - June 17, 2013**. The box to the right shows where you can review documents and how to submit comments.

### Site Investigation and Contaminants

Soil and groundwater at the site are contaminated with pollutants from several sources. Over years, the bulk fuel plants leaked petroleum from their tank and piping systems. The investigation found:

- **Petroleum hydrocarbons**.
- **Benzene, ethylbenzene, toluene, and xylenes**—chemicals found in petroleum products and some manufacturing processes.

It also found separate sources of contamination on the Marine Trades Area and K Ply properties. As a result, Ecology is separating K Ply into its own site. Ecology held a public comment period on a new agreed order for the K Ply site in late 2012.

### Feasibility Study

A feasibility study evaluates possible cleanup options. For this study, the port and Chevron divided the site into cleanup areas (see map and box on page 3).

### Comments Accepted

**May 16—June 17, 2013**

#### Send Comments and Questions to:

Connie Groven, Site Manager  
WA Department of Ecology  
Toxics Cleanup Program, SWRO  
P.O. Box 47775  
Olympia, WA 98504-7775  
Phone: (360) 407-6254  
E-mail: [Connie.Groven@ecy.wa.gov](mailto:Connie.Groven@ecy.wa.gov)

#### Public Involvement Questions:

Diana Smith  
Phone: (360) 407-6255  
E-mail: [Diana.Smith@ecy.wa.gov](mailto:Diana.Smith@ecy.wa.gov)

#### DOCUMENT REVIEW LOCATIONS

**Port Angeles Library**  
2210 South Peabody Street  
Port Angeles, WA 98362  
Phone: (360) 417-8500

**WA Department of Ecology  
Southwest Regional Office**

300 Desmond Drive SE  
Lacey, WA 98503

By appointment only, contact:  
Debbie Nelson  
[Debbie.Nelson@ecy.wa.gov](mailto:Debbie.Nelson@ecy.wa.gov) or  
(360) 407-6365

**Ecology's Toxics Cleanup Website**  
<https://fortress.wa.gov/ecy/gsp/Sitepage.aspx?csid=1301>

Facility Site ID #: 1005

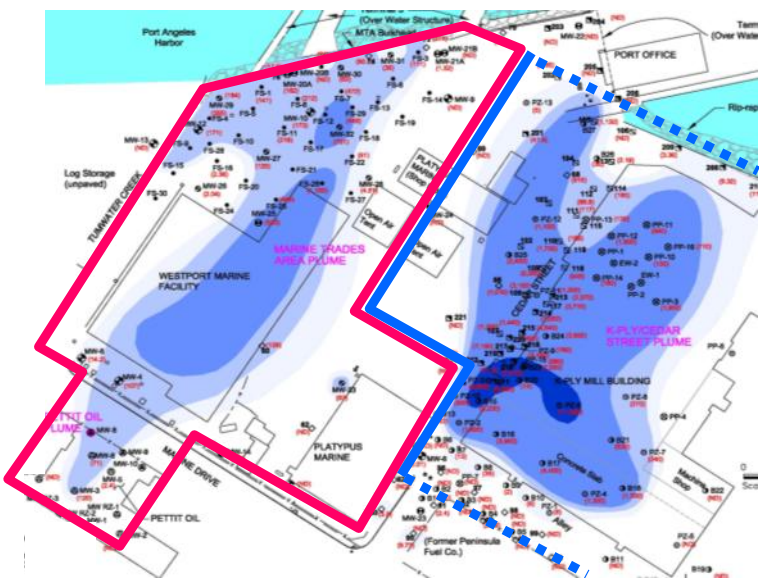
## Site Background

Starting in the 1920s, the site was used for bulk fuel plants, log storage, and ship and logging truck repair. Chevron, Atlantic Richfield Company, and other companies operated the bulk fuel plants. Over the years, fuel pipelines were built and abandoned or removed on parts of the site.

Now, the port owns the part of the property that is north of Marine Drive, except for the Westport Marine facility. The north part of the property is mostly used for marine-related businesses. The Pettit Oil bulk fuel plant (formerly Chevron) is south of Marine Drive.

**2005 Agreed Order:** In 2005, Ecology entered into an agreed order with the port and Chevron for the Marine Trades Area site. Based on what was known at the time, it included the Marine Trades Area, Pettit Oil, and K Ply properties. Atlantic Richfield Company agreed to fund a share of the work under the agreed order.

**2013 Amendment:** Ecology is now separating K Ply into its own site. In late 2012, Ecology held a public comment period on a new agreed order for the K Ply site. This amendment to the Marine Trades Area agreed order will finish removing the K Ply property from the Marine Trades Area site.



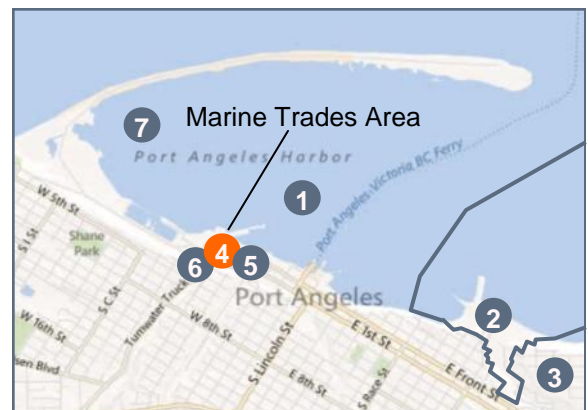
**Figure 1. Benzene in Groundwater—Contaminant plumes at Marine Trades Area and K Ply (see RI/FS figures 4.3-4.8).**

## What Happens Next?

1. Ecology will review comments we receive during the comment period. We will respond to them in a responsiveness summary, which we will send to commenters and post online.
2. The port and Chevron will make changes to the RI/FS report if needed. Ecology will finalize the agreed order amendment and approve the RI/FS report.
3. The port and Chevron will develop a draft cleanup action plan (CAP) and submit it to Ecology.
4. Ecology will finish the draft CAP. We will put the draft CAP and a legal agreement for cleanup out for comment when they are ready.

## Other Port Angeles Cleanups

Ecology is working to investigate and clean up contamination around Port Angeles Harbor. These efforts will help reduce the amount of toxins in the harbor and Strait of Juan de Fuca. For more information, visit [www.ecy.wa.gov/programs/tcp/sites\\_brochure/psi/portAngeles/psi\\_portAngeles\\_bay.html](http://www.ecy.wa.gov/programs/tcp/sites_brochure/psi/portAngeles/psi_portAngeles_bay.html)



- |   |                                     |
|---|-------------------------------------|
| 1. Port Angeles Sediments Investigation         | 4. Marine Trades Area               |
| 2. Rayonier Mill Study Area                     | 5. K Ply                            |
| 3. Rayonier Mill Off-Property Soil Dioxin Study | 6. Unocal Bulk Plant #0601          |
|   | 7. Western Port Angeles Harbor Site |


**Figure 2. Marine Trades Area Site and RI/FS Cleanup Areas**



**Legend**

**Marine Trades Area site** 

**RI/FS Cleanup Areas**

**Bulkhead area** 

**Upgradient area** 

**Pettit Oil area** 

**K Ply site** 

**Cleanup Areas**

In the feasibility study, the responsible parties evaluated possible cleanup options in these cleanup areas. Their preferred cleanup options are underlined. Ecology will identify final cleanup methods in a cleanup action plan.

**Bulkhead Cleanup Area**

- Doing nothing.
- Pumping out and treating contaminated groundwater.
- Using an air sparging system to strip, or remove, pollutants from groundwater.
- Building an underground wall next to Port Angeles Harbor to keep contaminated groundwater from reaching the harbor. The groundwater would be pumped out and treated.

**Upgradient Cleanup Area**

- Doing nothing.
- Placing an asphalt cap over contaminated soil, and monitoring contamination levels to see if they are decreasing over time.
- Removing accessible contaminated soil and monitoring contamination levels to see if they are decreasing over time.

**Pettit Oil Cleanup Area**


- Doing nothing.
- Removing free-floating contamination (called NAPL) with an engineered recovery system.
- Excavating (digging out) and removing free-floating contamination and contaminated soil.



DEPARTMENT OF  
**ECOLOGY**  
State of Washington

PO Box 47775

Olympia, WA 98504-7775

 Please recycle.

---

## **Marine Trades Area Clallam County, WA**

Ecology seeks public comment on a legal agreement and cleanup study

**Public Comment Period:  
May 16 through June 17, 2013**

**Facility Site ID #: 1005**

If you need this publication in a format for the visually impaired, call the Toxics Cleanup Program at (360) 407-6300.

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

### **Why Cleanup Matters**

Soil and groundwater at the Marine Trades Area site are contaminated with petroleum-related chemicals. These chemicals can pose a threat to human health and the environment and must be cleaned up.

### **Mailing List**

To be removed from or added to our e-mail or mailing list, contact public involvement coordinator Diana Smith at [Diana.Smith@ecy.wa.gov](mailto:Diana.Smith@ecy.wa.gov) or (360) 407-6255.