

## **Site Cleanup**

# **EVERETT SHIPYARD, INC. SITE**

1016 14<sup>th</sup> Street  
Everett, Washington

## **DRAFT PUBLIC PARTICIPATION PLAN**

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### **Prepared by:**

Washington State Department of Ecology



WASHINGTON STATE  
DEPARTMENT OF  
**E C O L O G Y**

**Revised February 2011**

## **This plan is for you!**

This Public Participation Plan (Plan) is prepared for the Everett Shipyard, Inc. Site cleanup as part of the requirements of the Model Toxics Control Act (MTCA). The Plan provides information about MTCA cleanup actions and requirements for public involvement, and identifies how Ecology, the Port of Everett, and ESY, Inc. will support public involvement throughout the cleanup. The Plan is intended to encourage coordinated and effective public involvement tailored to the community's needs at the Everett Shipyard, Inc. Site.

For additional copies of this document, please contact:

Washington State Department of Ecology  
Hun Seak Park, Site Manager  
Toxics Cleanup Program  
PO Box 47600  
Olympia, WA 98504-7600  
(360) 407-7209  
Email: [Hpar461@ecy.wa.gov](mailto:Hpar461@ecy.wa.gov)

If you need this publication in an alternate format, please call the Toxics Cleanup Program at (360) 407-7170. Persons with hearing loss can call 711 for Washington Relay Service. Persons with a speech disability can call (877) 833-6341 (TTY).

## **Table of Contents**

1.0: Introduction and Overview of the Public Participation Plan.....	1
2.0: Site Background.....	4
3.0: Community Profile .....	10
4.0: Public Participation Opportunities.....	11
Glossary .....	16
Appendix A: Fact Sheet for Agreed Order	
Appendix B: Fact Sheet for the Draft Remedial Investigation/Feasibility Study	

## 1.0: Introduction and Overview of the Public Participation Plan

This Public Participation Plan (Plan) explains how you can become involved in improving the health of your community. It describes public participation opportunities that will be conducted during cleanup of a site on the Everett waterfront – the Everett Shipyard, Inc. Site. This Site is located at 1016 14<sup>th</sup> Street, in Everett, Washington. These opportunities are part of a cooperative agreement between the Washington State Department of Ecology (Ecology), the Port of Everett (port) and ESY, Inc. (previously Everett Shipyard, Inc.). The current agreement, called an Agreed Order, is a legal document in which the port, ESY, Inc., and Ecology agree to decide on cleanup actions for the Everett Shipyard, Inc. Site.

Cleanup actions and the public participation process that helps guide them are established in Washington’s Model Toxics Control Act (MTCA).<sup>1</sup> Under MTCA, Ecology is responsible to provide timely information and meaningful chances for the public to learn about and comment on important cleanup decisions before they are made. The goals of the public participation process are:

- To promote understanding of the cleanup process so that the public has the necessary information to participate.
- To encourage involvement through a variety of public participation opportunities.

This Public Participation Plan provides a framework for open dialogue about the cleanup among community members, Ecology, cleanup site owners, and other interested parties. It outlines basic MTCA requirements for community involvement activities that will help ensure that this exchange of information takes place during the investigation and cleanup, which include:

- Notifying the public about available reports and studies about the site.
- Notifying the public about review and comment opportunities during specific phases of the cleanup investigation.
- Providing appropriate public participation opportunities, such as fact sheets, to learn about cleanup documents, and if community interest exists, holding meetings to solicit input and identify community concerns.
- Considering public comments received during public comment periods.

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<sup>1</sup> The Model Toxics Control Act (MTCA) is the hazardous waste cleanup law for the State of Washington. The full text of the law can be found in Revised Code of Washington (RCW), Chapter 70.105D. The legal requirements and criteria for public notice and participation during MTCA cleanup investigations can be found in Washington Administrative Code (WAC), Section 173-340-600.

In addition to these basic requirements, the plan may include additional site-specific activities to meet the needs of your community. Based upon the type of the proposed cleanup action, the level of public concern, and the risks posed by the site, Ecology may decide that additional public involvement opportunities are appropriate.

These opportunities form the basis for the public participation process. The intent of this plan is to:

- Provide complete and current information to all interested parties.
- Let you know when there are opportunities to provide input.
- Listen to concerns.
- Address those concerns.

### ***Part of the Puget Sound Initiative***

The Everett Shipyard, Inc. Site is one of several sites in the Everett area and is part of a larger cleanup effort called the Puget Sound Initiative (PSI). Governor Chris Gregoire and the Washington State Legislature authorized the PSI as a regional approach to protect and restore Puget Sound. The PSI includes cleaning up 50-60 contaminated sites within one-half mile of the Sound. These sites are grouped in several bays around the Sound for “baywide” cleanup efforts. As other sites in the Everett baywide area move forward into investigation and cleanup, information about them will be provided to the community as well as to interested people and groups.

### ***Roles and Responsibilities***

Ecology will lead public involvement activities, with support from the port and ESY, Inc. Ecology maintains overall responsibility and approval authority for the activities outlined in this Plan. The port and ESY, Inc. are responsible for cleanup at this Site. Ecology will oversee all cleanup activities, and ensure that contamination on this Site is cleaned up to concentrations that are established in state regulations and that protect human health and the environment.

### ***Organization of this Public Participation Plan***

The sections that follow in this Plan provide:

- Section 2: Background information about the Everett Shipyard, Inc. Site.
- Section 3: An overview of the local community that this plan is intended to engage.

- Section 4: Public involvement opportunities in this cleanup.

This Public Participation Plan addresses current conditions at the Site, but it is intended to be a dynamic working document that will be reviewed at each phase of the cleanup, and updated as needed. Ecology, the port, and ESY, Inc. urge the public to become involved in the cleanup process.

## 2.0: Site Background

### Site Description and Location

The Everett Shipyard, Inc. Site is located at 1016 14<sup>th</sup> Street in Everett, Snohomish County, Washington. It is located west of Marine View Drive and adjacent to the port's North Marina (see Figure 1). The Site is rectangular in shape, and about five acres in size. It is bounded by 14<sup>th</sup> Street to the north, Everett Marina to the south, Burlington Northern Railroad and West Marine View Drive to the east, and Port Gardner Bay to the west. The site is located in the vicinity of the North Marina, just south of where the Snohomish River flows into Port Gardner Bay.

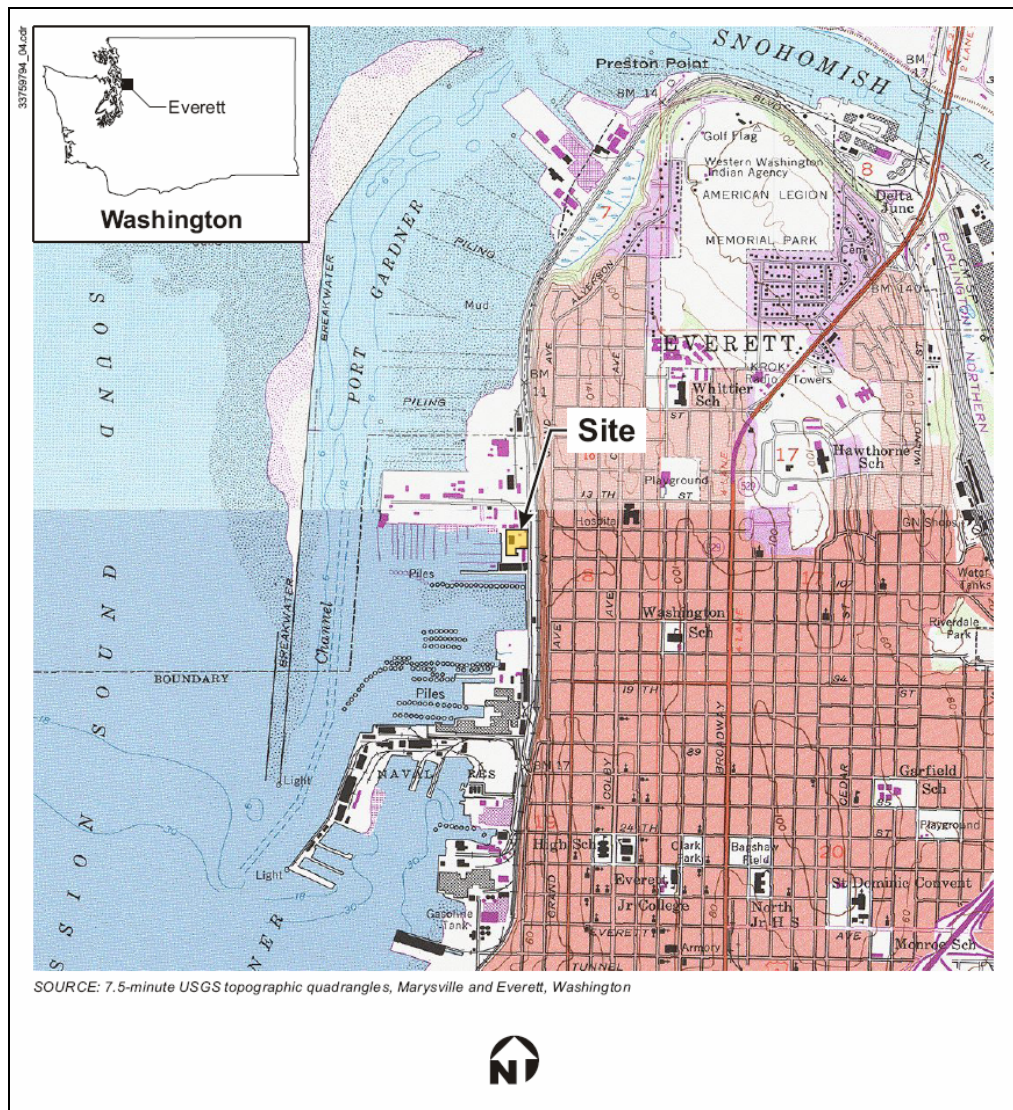


Figure 1: The Everett Shipyard, Inc. Site is shown in the above map, located at 1016 14<sup>th</sup> Street, in Everett, WA. Prepared by URS for ESY, Inc.

The City of Everett Comprehensive Plan land use map<sup>2</sup> indicates that the Site is zoned waterfront commercial. Zoning to the east includes residential single-family homes. Zoning to the west includes aquatic and open space (Jetty Island). The Site is not located within the Everett Smelter area of historic arsenic contamination. The Site is within the Shoreline Overlay Zone with an urban maritime designation.<sup>3</sup>

## **General Site History and Contaminants**

ESY, Inc. and its predecessors (Everett Shipyard Inc. and Fishermen's Boat Shop) leased most of the upland portion of the Site from the port and since 1947, operated a boat building, maintenance and repair facility. The shipyard historically conducted marine vessel repairs that included tank evacuations, equipment disassembly, sandblasting, woodwork and metalwork, painting/coating and mechanical repairs. Operations at the Site ceased in September 2009.

Chemicals used on this Site include paint thinner, paint, rust preventer, creosote, anti-biofouling agents, xylene, methyl ethyl ketone, and diesel, and heavy-oil petroleum products.

Site investigations by Ecology in 1992, the port in 2003 and 2004, and ESY, Inc. in 2007 found the following contaminants in the Site's soil and storm drain sediment at concentrations above MTCA cleanup levels:

- Metals (arsenic, cadmium, copper, lead, mercury, zinc)
- Wood preservatives or organotins (including bulk tributyl tin [TBT])
- Diesel and heavy-oil range petroleum hydrocarbons

The following contaminants have also been found in adjacent marine sediments at concentrations above state standards:

- Metals (arsenic, cadmium, copper, lead, mercury, zinc)
- Organotins
- Polycyclic aromatic hydrocarbons (PAHs)
- Phthalates

Further investigation was conducted to fully characterize the contamination at the Everett Shipyard, Inc. Site.

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<sup>2</sup> Planning and Community Development, City of Everett, WA  
[http://www.everettwa.org/Get\\_PDF.aspx?pdfID=339](http://www.everettwa.org/Get_PDF.aspx?pdfID=339) (Accessed November 5, 2007)

<sup>3</sup> Shoreline Master Plan, Shoreline Environmental Designations, City of Everett, WA  
[http://www.everettwa.org/Get\\_PDF.aspx?PDFID=408](http://www.everettwa.org/Get_PDF.aspx?PDFID=408) (Accessed November 5, 2007)



## ***The Cleanup Process***

Washington State's cleanup process and key opportunities for you to provide input are outlined in Figure 2. The general cleanup process includes the following steps:

- Remedial Investigation (RI) – investigates the site for types, locations, and amounts of contaminants.
- Feasibility Study (FS) – identifies cleanup options for those contaminants.
- Cleanup Action Plan (CAP) – selects the preferred cleanup option and explains how cleanup will be conducted.

Each of these steps is generally documented in reports and plans that will be available for public review. Public comment periods of at least 30 calendar days are usually conducted for the following documents:

- Draft RI report
- Draft FS report
- Draft CAP

These cleanup steps and documents are described in greater detail in the following subsections.

## ***Interim Actions***

Interim actions may be conducted during the cleanup if required by Ecology. An interim action partially addresses the cleanup of a site, and may be required if:

- It is technically necessary to reduce a significant threat to human health or the environment.
- It corrects a problem that may become substantially worse or cost substantially more to fix if delayed.
- It is needed to complete another cleanup activity, such as design of a cleanup plan.

Interim actions are not currently anticipated on the Everett Shipyard, Inc. Site under the Agreed Order.

## ***Remedial Investigation/Feasibility Study Report***

The port, ESY, Inc. and Ecology have agreed to conduct an RI/FS on the Site. The RI determines which contaminants are on the Site, where they are located, and whether there is a significant threat to human health or the environment. The draft RI report provides baseline data about environmental conditions that will be used to develop cleanup options. The FS report then identifies and evaluates cleanup options, in preparation for the next step in the process.

The RI and FS processes typically include several phases:

- Scoping
- Site characterization
- Development of screening of cleanup alternatives
- Treatability investigations (if necessary to support decisions)
- Detailed analysis

The Draft RI and FS were combined into one report for the Everett Shipyard, Inc. Site. The report was prepared by ESY, Inc. and the port in accordance with the Agreed Order. The RI/FS report describes *exposure pathways*, or how contaminants move through upland soil, groundwater, and sediment, and how human health and the environment may be affected. Information about the amount and location of contaminants along with exposure pathways were used to identify *cleanup alternatives* for the Site.

The purpose of the RI is to determine which contaminants are on the Site, where they are located, and whether there is a significant threat to human health or the environment. RI results are discussed below.

**Soil** – Results indicate that soil in the upland portion of the Site has the following contaminants of concern (COCs): antimony, arsenic, lead, copper, cancer-causing PAHs, PCBs, and petroleum. These substances were found throughout the Site at depths generally less than 3 feet below ground surface. Deeper petroleum contamination was found in soil just east of the port’s travel lift bulkhead at a maximum depth of 14 feet. Contaminants in upland soil are a risk to people through direct contact and inhalation (e.g., windblown dust), and also may be transported to the adjacent Puget Sound via stormwater runoff and as windblown dust. Potential migration of petroleum contaminants in subsurface soil near the port’s travel lift to groundwater and then to the marine environment is a concern.

**Groundwater** – Results indicate that groundwater in the upland portion has the following COCs: arsenic, nickel, zinc, and petroleum. Primary concerns in groundwater include an area of petroleum contamination just east of the port’s travel lift bulkhead and dissolved arsenic along the western portion of the Site. Contaminants in groundwater are a risk to people that may come in direct contact with it (e.g., shallow groundwater during construction), and it also may flow to the adjacent Puget Sound posing a risk to marine

life. The groundwater at the Site is not used for drinking water and is not considered potable due to the proximity of marine waters and high level of salinity. Therefore, groundwater cleanup levels were based on protecting marine surface water quality.

**Sediment** – Results indicate that marine sediments at the Site have elevated (i.e., exceeds Ecology’s Sediment Management Standards) concentrations of SVOCs, cancer-causing PAHs, TBT, other metals (i.e., arsenic, copper, lead, mercury, silver, and zinc), PCBs, and petroleum. These contaminants are at concentrations that pose a risk to marine life. Several sediment samples collected during the investigation exhibited biological toxicity.

The purpose of the FS is to evaluate potential cleanup action alternatives and recommend a preferred cleanup action. The Draft FS addresses cleanup options for both upland and in-water portions of the Everett Shipyard, Inc. Site.

Cleanup action alternatives are the options that will successfully achieve cleanup of the Site. Alternatives may contain contamination, remove contamination, or include institutional controls such as fencing, and they may be used in different combinations.

Based on the results of the RI, four cleanup action alternatives were identified and evaluated (based on regulatory criteria) to address risk on the upland portion of the Site. Two cleanup action alternatives were identified and evaluated to address risk on the in-water portion of the Site.

**Upland Cleanup Alternative 4** – Alternative 4 was selected as the preferred alternative for the upland portion of the Site, addressing both soil and groundwater. It would permanently remove most of the contaminated soil and focuses on removing the areas with the highest concentration of contamination. Alternative 4 would include the following measures:

- Excavate approximately 14,800 cubic yards of soil, including all impacted soil close to Puget Sound and in areas with the highest contaminant concentrations
- Remove two buildings under which high levels of PCBs and petroleum impacted soil were found
- Dispose of contaminated soil offsite
- Install an engineered cap on remaining soils containing concentrations of hazardous substances above cleanup levels
- Clean out the stormwater system and modify, as needed
- Conduct groundwater monitoring and institutional controls

A Soil/Groundwater Management Plan will be an element of the upland cleanup alternative. This plan describes procedures to be taken in the event that the integrity of the engineered cap is compromised and contaminated soil becomes exposed. Under the Soil/Groundwater Management Plan, contaminated soil that becomes exposed will be delineated and disposed of at an approved off-site disposal facility. In addition to the two buildings that are required for removal as part of Alternative 4, the remaining structures

at the Site are anticipated to be demolished in 2012 or prior to the beginning of major upland remedial construction. Under this scenario, the Soil/Groundwater Management Plan would be implemented concurrent with other upland cleanup activities.

**In-Water Cleanup Alternative 2** – Two alternatives were considered for the in-water portion of the Site: targeted dredging and containment, or mass dredging. Alternative 2, mass dredging, was selected because it is the most permanent alternative and would remove all of the impacted sediments.

These preferred alternatives are protective of human health and the environment, make up a permanent solution that can be completed in a reasonable timeframe, address current public concerns, and are compatible with future land uses at the Site.

Comments on the RI/FS report will be considered as the draft cleanup action plan (CAP) is prepared.

### ***Cleanup Action Plan***

ESY, Inc., the port, and Ecology have agreed to develop a draft cleanup action plan (CAP) for the Site. After public comment on the draft RI/FS report, all comments are compiled and evaluated, and a preferred cleanup alternative will be selected. The draft CAP explains the cleanup standards that will be applied at the Site, selects the preferred cleanup alternative(s), and outlines the work to be performed during the actual Site remediation. The CAP may also evaluate the completeness and effectiveness of any interim actions that were performed on the Site. The draft CAP will be available for public review and comment. Once public comments are reviewed and any changes are made, Ecology provides final approval and Site cleanup can begin.

## 3.0: Community Profile

### ***Community Profile***

Everett is Snohomish County's largest city and the sixth largest city in the State of Washington. The current population of Everett is approximately 98,000<sup>4</sup> situated within 47.7 square miles. Located on Port Gardner Bay, Everett hosts the West Coast's second largest marina, U.S. Navy Homeport Naval Station Everett, and The Boeing Company's assembly plant. The city's 2006 labor workforce was more than 80,000, employed predominantly in technology, aerospace, and service-based industries.<sup>5</sup>

### ***Key Community Concerns***

An important part of the Public Participation Plan is to identify key community concerns for each cleanup site.

Many factors are likely to raise community questions, such as the amount of contamination, how the contamination will be cleaned up, or future use of the Site. Community concerns often change over time, as new information is learned and questions are answered. Identifying site-specific community concerns at each stage of the cleanup process is helpful to ensure that they are adequately addressed. On-going key community concerns will be identified for the Everett Shipyard, Inc. Site through public comments and other opportunities as detailed in Section 4.

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<sup>4</sup> US Census Bureau, City & Towns Estimates Data for July 1, 2006.

<http://www.census.gov/popest/estimates.php> (Accessed September 12, 2007)

<sup>5</sup> City of Everett. <http://www.everettwa.org/default.aspx?ID=314> (Accessed September 12, 2007)

## **4.0: Public Participation Opportunities**

Ecology, the port, and ESY, Inc. invite you to share your comments and participate in the cleanup in your community. As we work to meet our goals, we will evaluate whether this public participation process is successful. This section describes the public participation opportunities for this Site.

### ***Measuring Success***

We want this public participation process to succeed. Success can be measured, at least in part, in the following ways:

- Number of written comments submitted that reflect understanding of the cleanup process and the site.
- Direct “in-person” feedback about the site cleanup or public participation processes, if public meetings are held.
- Periodic updates to this plan to reflect community concerns and responses.

If we are successful, this process will increase:

- Community awareness about plans for cleanup and opportunities for public involvement.
- Public participation throughout the cleanup.
- Community understanding regarding how their input will be considered in the decision-making process.

### ***Activities and Information Sources***

#### **Ecology Contacts**

Ecology is the lead contact for questions about the cleanup in your community. The Ecology staff person identified in this section is familiar with the cleanup process and activities at the Site. For more information about public involvement or the technical aspects of the cleanup, please contact:

Hun Seak Park  
Ecology Site Manager  
WA State Dept. of Ecology  
Toxics Cleanup Program  
PO Box 47600  
Olympia, WA 98504-7600  
Phone: (360) 407-7189  
E-mail: Hpar461@ecy.wa.gov

## Ecology's Webpage

Ecology has created a webpage to provide convenient access to information. Documents such as the Agreed Order, draft reports, and cleanup plans are posted as they are issued during the investigation and cleanup process. Visitors to the webpage can find out about public comment periods and meetings; download, print, and read information; and submit comments via e-mail. The webpage also provides links to detailed information about the MTCA cleanup process. The Everett Shipyard, Inc. Site webpage is available at the following address:

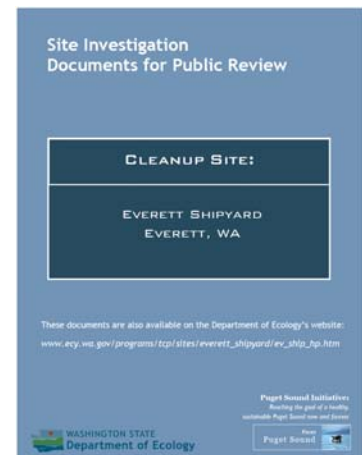
[http://www.ecy.wa.gov/programs/tcp/sites/everett\\_shipyard/ev\\_ship\\_hp.htm](http://www.ecy.wa.gov/programs/tcp/sites/everett_shipyard/ev_ship_hp.htm).

## Information Centers/Document Repositories

The most comprehensive source of information about the Everett Shipyard, Inc. Site is the information center, or document repository. Two repositories provide access to the complete list of site-related documents. All Everett Shipyard, Inc. Site investigation and cleanup activity reports will be kept in print at those two locations and will be available for your review. They can be requested on compact disk (CD) as well. Document repositories are updated before public comment periods to include the relevant documents for review. Documents remain at the repositories throughout the investigation and cleanup. For this Site, the document repositories and their hours are:

### Everett Public Library

- 2702 Hoyt Avenue  
Everett, WA 98201  
Phone: (425) 257-8010  
Hours: Mon. – Wed. 10 am - 9 pm,  
Thurs. – Sat. 10 am - 6 pm, Sun. 1-5 pm
- **WA Department of Ecology Headquarters**  
300 Desmond Drive SE  
Lacey, WA 98503  
By appointment. Please contact Carol Dorn at  
(360) 407-7224 or [Carol.Dorn@ecy.wa.gov](mailto:Carol.Dorn@ecy.wa.gov).



Look for document covers such as the illustration on the right.

## **Public Comment Periods**

Public comment periods provide opportunities for you to review and comment on major documents, such as the Agreed Order, draft Public Participation Plan, and the draft RI/FS report. The typical public comment period is 30 calendar days.

### *Notice of Public Comment Periods*

Notices for each public comment period will be provided by local newspaper and by mail. These notices indicate the timeframe and subject of the comment period, and explain how you can submit your comments. For the Everett Shipyard, Inc. Site, newspaper notices will be posted in The Daily Herald.

Notices are also sent by regular mail to the local community and interested parties. The community typically includes all residential and business addresses within one-quarter mile of the site, as well as potentially interested parties such as public health entities, environmental groups, and business associations.

### *Fact Sheets*

One common format for public comment notification is the fact sheet. Like the newspaper notice, fact sheets explain the timeframe and purpose of the comment period, but also provide background and a summary of the document under review. Two fact sheets have been prepared for the Everett Shipyard, Inc. Site. The first fact sheet explains the Agreed Order and this Public Participation Plan (Attachment A). The second fact sheet explains the Draft Remedial Investigation/Feasibility Study (Attachment B). Future fact sheets will be prepared at key milestones in the cleanup process.

## **MTCA Site Register**

Ecology produces an electronic newsletter called the MTCA Site Register. This semi-monthly publication provides updates of the cleanup activities occurring throughout the state, including public meeting dates, public comment periods, and cleanup-related reports. Individuals who would like to receive the MTCA Site Register can sign up three ways:

- Call (360) 407-6069
- Send an email request to [ltho461@ecy.wa.gov](mailto:ltho461@ecy.wa.gov)
- Register on-line at [http://www.ecy.wa.gov/programs/tcp/pub\\_inv/pub\\_inv2.html](http://www.ecy.wa.gov/programs/tcp/pub_inv/pub_inv2.html)



## **Mailing Lists**

Ecology maintains both e-mail and regular mail distribution lists throughout the cleanup process. The lists are created from carrier route delineations for addresses within one-quarter mile of the Site; potentially interested parties; public meeting sign-in sheets; and requests made in person, or by regular mail or e-mail. You may request to be on a mailing list by contacting the Ecology staff person listed earlier in this section.

## **Optional Public Meetings**

Public meetings provide additional opportunities to learn about the investigation or cleanup, and to enhance informed comment. A public meeting and open house will be held during the comment period for the Draft Final Remedial Investigation/Feasibility Study on **February 16, 2011** from 6:00-8:00 pm. There will be a presentation at 6:30 pm followed by a question and answer period at 7:00 pm. The meeting and open house will be at the Snohomish County Public Utility District No. 1, 2320 California Street, Everett, WA 98201.

## **Submitting Comments**

You may submit comments by regular mail or e-mail during public comment periods to the project manager listed earlier in this section.

## **Response to Comments**

Ecology will review all comments submitted during public comment periods, and will modify documents as necessary. You will receive notice by regular mail or e-mail that Ecology has received your comments, along with an explanation about how the comments were addressed.

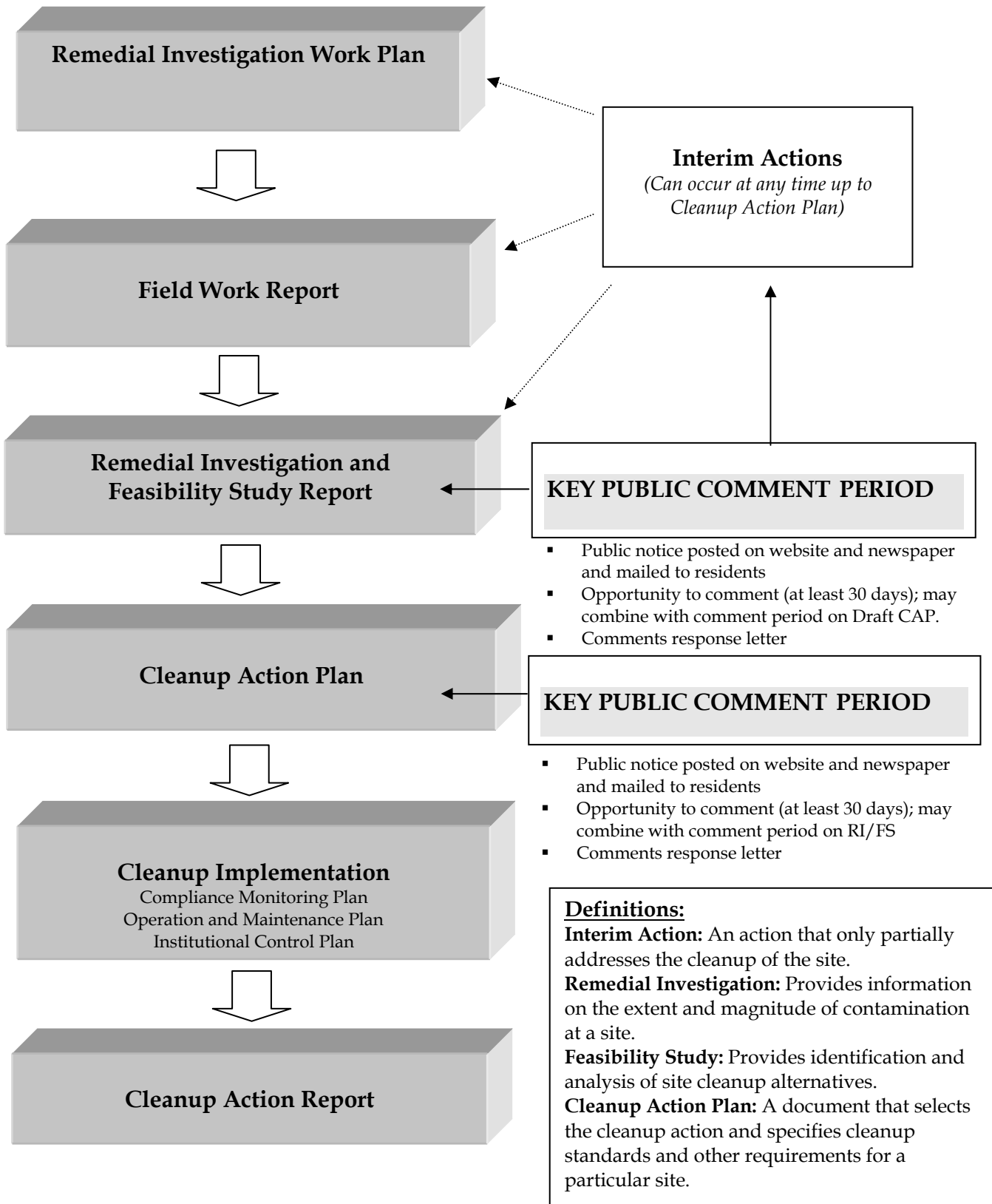
## **Other**

Ecology, the port, and ESY, Inc. are committed to the public participation process and will consider additional means for delivering information and receiving comments, including combining public comment periods for other actions (such as those associated with the State Environmental Policy Act).

## ***Public Participation Grants***

You may be eligible to apply for a Public Participation Grant from Ecology to provide additional public participation activities. Those additional activities will not reduce the scope of the activities defined by this Plan. Activities conducted under this Plan would coordinate with the additional activities defined under the grant.

**Figure 2: Washington State Cleanup Process**



## Glossary

**Cleanup:** The implementation of a cleanup action or interim action.

**Cleanup Action:** Any remedial action except interim actions, taken at a site to eliminate, render less toxic, stabilize, contain, immobilize, isolate, treat, destroy, or remove a hazardous substance that complies with MTCA cleanup requirements, including but not limited to: complying with cleanup standards, utilizing permanent solutions to the maximum extent practicable, and including adequate monitoring to ensure the effectiveness of the cleanup action.

**Cleanup Action Plan:** A document that selects the cleanup action and specifies cleanup standards and other requirements for a particular site. The cleanup action plan, which follows the remedial investigation/feasibility study report, is subject to a public comment period. After completion of a comment period on the cleanup action plan, Ecology finalizes the cleanup action plan.

**Cleanup Level:** The concentration (or amount) of a hazardous substance in soil, water, air, or sediment that protects human health and the environment under specified exposure conditions. Cleanup levels are part of a uniform standard established in state regulations, such as MTCA.

**Cleanup Process:** The process for identifying, investigating, and cleaning up hazardous waste sites.

**Contaminant:** Any hazardous substance that does not occur naturally or occurs at greater than natural background levels.

**Feasibility Study:** Provides identification and analysis of site cleanup alternatives and is usually completed within a year. Evaluates sufficient site information to enable the selection of a cleanup action. The entire Remedial Investigation/Feasibility Study (RI/FS) process takes about two years and is followed by the cleanup action plan.

**Hazardous Site List:** A list of ranked sites that require further remedial action. These sites are published in the Site Register.

**Interim Action:** Any remedial action that partially addresses the cleanup of a site. It is an action that is technically necessary to reduce a threat to human health or the environment by eliminating or substantially reducing one or more pathways for exposure to a hazardous substance at a facility; an action that corrects a problem that may become substantially worse or cost substantially more to address if the action is delayed; an action needed to provide for completion of a site hazard assessment, state remedial investigation/feasibility study, or design of a cleanup action.

**Model Toxics Control Act:** Refers to Chapter 70.105D RCW. Voters approved it in November 1988. The implementing regulation is found in Chapter 173-340 WAC.

**Public Notice:** At a minimum, adequate notice mailed to all persons who have made a timely request of Ecology and to persons residing in the potentially affected vicinity of the proposed action; mailed to appropriate news media; published in the local (city or county) newspaper of largest circulation; and the opportunity for interested persons to comment.

**Public Participation Plan:** A plan prepared under the authority of WAC 173-340-600 to encourage coordinated and effective public involvement tailored to the public's needs at a particular site.

**Release:** Any intentional or unintentional entry of any hazardous substance into the environment, including, but not limited to, the abandonment or disposal of containers of hazardous substances.

**Remedial Action:** Any action or expenditure consistent with MTCA to identify, eliminate, or minimize any threat posed by hazardous substances to human health or the environment, including any investigative and monitoring activities of any release or threatened release of a hazardous substance, and any health assessments or health effects studies conducted in order to determine the risk or potential risk to human health.

**Remedial Investigation:** Any remedial action that provides information on the extent and magnitude of contamination at a site. This usually takes 12 to 18 months and is followed by the feasibility study. The purpose of the Remedial Investigation/Feasibility Study is to collect and develop sufficient site information to enable the selection of a cleanup action.

**APPENDIX A**  
**Fact Sheet for Agreed Order**

# Everett Shipyard, Inc. The Port of Everett Everett, Snohomish County, WA

*Site Investigation Documents Ready for Public Review*



*A PUGET SOUND INITIATIVE site – Reaching the goal of a healthy, sustainable Puget Sound now and forever*

## *The Department of Ecology welcomes your comments on the proposed Agreed Order and draft Public Participation Plan for a new cleanup site.*

Ecology is asking for your comments on a proposed agreement to study a site on Puget Sound for cleanup. This site, the Everett Shipyard, is one of several located on the waterfront that will be studied for cleanup under the state's Puget Sound Initiative.

The Everett Shipyard site is located at 1016 14<sup>th</sup> Street next to the Port of Everett Marina, in Everett, Snohomish County, WA.

## **Site background**

The Everett Shipyard site has been used as a ship repair facility since 1947 and currently conducts ship repair on vessels up to 110 feet long. Ecology, the Port of Everett, and Everett Shipyard, Inc. have collected soil and storm drain sediment samples. Results have shown soil contamination by metals such as arsenic, lead, cadmium, mercury, copper, and zinc, elevated levels of metals, anti-biofouling agents, wood preservatives, polycyclic aromatic hydrocarbons (PAHs), and phthalates. Metals, organotin (an anti-biofouling agent), and petroleum

hydrocarbon contamination have also been found in adjacent marine sediments at the site.

## **Overview of the Agreed Order**

The proposed agreement, called an Agreed Order, is a legal document between Ecology and the owners and operators of the site, the Port of Everett and Everett Shipyard, Inc. These parties are known as Potentially Liable Parties, or PLPs. The Agreed Order describes the studies that the PLPs agree to perform on the site.

The Agreed Order covers the following studies and documents:

- Remedial Investigation and Feasibility Study (RI/FS). It explains the work needed to look for and analyze contamination in soil, ground water, and sediments.
- RI/FS report. It presents the results of the study and proposes alternatives for cleanup actions.
- Draft Cleanup Action Plan (CAP). It uses RI/FS information to identify a preferred cleanup action and a schedule to remediate the contamination.

The purpose of the Agreed Order is to protect human health and the environment. It ensures that cleanup happens in a timely manner and according to Washington State's

**Public comment period:  
March 7 to April 7, 2008**

*Send comments to:*  
Hun Seak Park, Site Manager  
WA Department of Ecology  
Toxics Cleanup Program  
P.O. Box 47600  
Olympia, WA 98504-7600  
Phone: (360) 407-7189  
E-mail: [hpar461@ecy.wa.gov](mailto:hpar461@ecy.wa.gov)

*To review documents:*  
Everett Public Library  
2702 Hoyt Ave  
Everett, WA 98201  
Phone: (425) 257-8010  
Hours: Mon.-Wed. 10 a.m.-9 p.m., Thurs.-Sat. 10 a.m.-6 p.m., Sun. 1-5 p.m.

WA Department of Ecology  
Headquarters  
300 Desmond Drive SE  
Lacey, WA 98503  
By appointment only:  
Contact Carol Dorn,  
[cesg461@ecy.wa.gov](mailto:cesg461@ecy.wa.gov) or  
(360) 407-7224

**Ecology web site:**  
[http://www.ecy.wa.gov/programs/tcp/sites/everett\\_shipyard/ev\\_ship\\_hp.htm](http://www.ecy.wa.gov/programs/tcp/sites/everett_shipyard/ev_ship_hp.htm)

Facility Site #2794

## Everett Shipyard Site, Snohomish County WA

cleanup law, the Model Toxics Control Act.

### Overview of the draft Public Participation Plan

Ecology and the PLPs are committed to providing the public with timely information and meaningful opportunities to participate in the cleanup process. As part of this commitment, Ecology and the PLPs agree to provide a public participation plan. This plan outlines how citizens and interested parties can learn about and provide input on the cleanup.

Your comments and ideas are needed to improve the cleanup. The public participation plan explains how Ecology will do the following:

- Notify the public when and where documents are available for review and comment;
- Notify the public about how they can become involved;
- Provide public participation opportunities; and
- Consider public comments in cleanup decisions.

### Protecting and restoring Puget Sound at the Everett Shipyard site

Governor Chris Gregoire and the Washington State Legislature approved the Puget Sound Initiative. One of the objectives of the Initiative is to protect and restore Puget Sound,

cleaning up 50-60 sites within one-half mile of the Sound. One of these is the Everett Shipyard site. These cleanup actions will help to reduce pollution and restore habitat and shorelines in Puget Sound.

#### Other sites and activities near this site:

- JELD-WEN site: A wooden door plant, located at 300 West Marine View Drive (Facility Site #2757)
- Bay Wood Products site: A former mill and log storage and processing yard, located at 200 West Marine View Drive (Facility Site #4438651)
- North Marina West End: A marine services and general industrial site, located between 11<sup>th</sup> and 14<sup>th</sup> Streets at West Marine View Drive (Facility Site #3306834)

### How to submit your comments

Ecology welcomes your comments on the proposed Agreed Order and draft public participation plan from March 7 through April 7, 2008. For your review, these documents can be found on the Ecology web site and at the locations listed on the first page of this fact sheet.

Technical questions may be directed to Ecology Site Manager, Hun Seak Park.

Contact information can be found on the first page of this fact sheet. All other questions may be directed to Ecology's Public Involvement Specialist, Sandra Caldwell at (360) 407-7209 or [saca461@ecy.wa.gov](mailto:saca461@ecy.wa.gov).

Please send your comments by April 7, 2008, to Ecology's Site Manager, Hun Seak Park. Comments may be sent by mail or e-mail. Please include "Everett Shipyard" in the subject line.

### What's next?

Once the public comment period ends, Ecology will review and consider all comments that have been received. The Agreed Order and draft public participation plan may be modified based upon your comments.

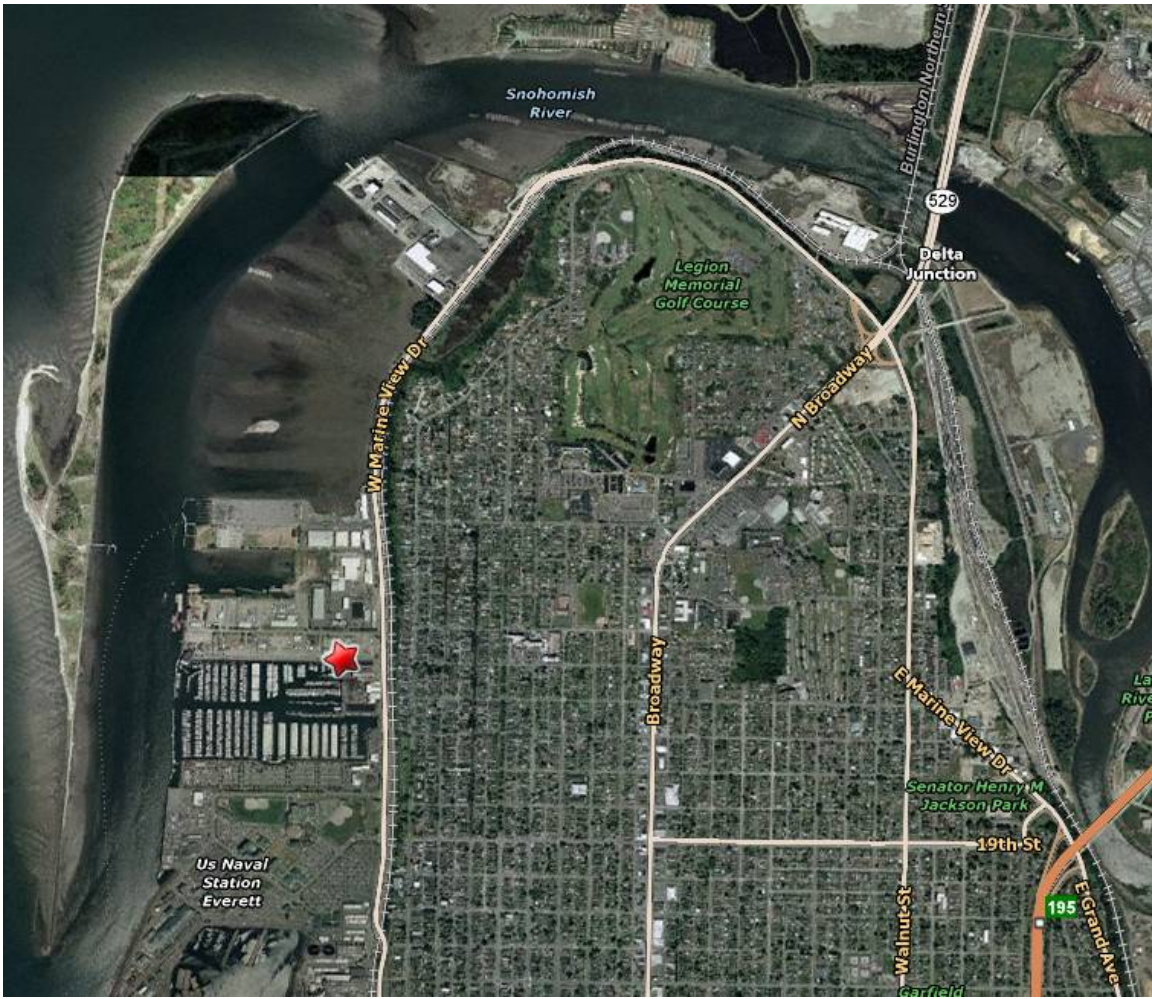
As future documents on the site are developed, you will be notified of additional public comment periods.

**For information about other Ecology public comment periods, meetings, hearings, workshops, and open houses, please visit Ecology's public events calendar at:**

<http://apps.ecy.wa.gov/pubcalendar/calendar.asp>. Read *Frequently Asked Questions about Effective Public Commenting* at this link to learn more about the public comment process.



## Everett Shipyard Site, Snohomish County, WA



The Everett Shipyard site is shown in the above map with a star, located at 1016 14th Street, in Everett, WA.



**APPENDIX B**  
**Fact Sheet for Draft Remedial**  
**Investigation/Feasibility Study**

**Everett Shipyard Site, Everett,  
Snohomish County, WA**

*Ecology Seeks Public Comment  
on Draft Documents*

Public Comment Period  
March 7 through April 7, 2008



Department of Ecology  
Toxics Cleanup Program  
PO Box 47600  
Olympia, WA 98504-7600

## Site Investigation and Cleanup Documents Available for Public Review and Comment



A PUGET SOUND INITIATIVE Site

Reaching the goal of a healthy, sustainable Puget Sound

### Ecology Wants Your Input!

The Department of Ecology is asking for your comments on plans to clean up a site on Puget Sound. The Everett Shipyard, Inc. Site is one of several properties located on the waterfront that have been studied for cleanup under the state's Puget Sound Initiative.

The Everett Shipyard, Inc. Site is located at 1016 14th Street next to the Port of Everett's (port) North Marina, in Everett, Snohomish County, WA.

You are invited to:

- Review the Draft Remedial Investigation/Feasibility Study (RI/FS)
- Send your comments to Ecology. Comments will be accepted February 10 to March 14, 2011
- Attend an open house on February 16 to learn more about this cleanup and other Puget Sound Initiative sites

See the box on the right for details about where to review documents and submit comments. More information on the open house can be found on page 5.

### Site Background

The Site is owned by the port and includes approximately five acres of upland area, west of West Marine View Drive, and adjacent in-water areas where the port and ESY, Inc. (previously Everett Shipyard, Inc.) historically operated. ESY, Inc. and its predecessors (Everett Shipyard Inc. and Fishermen's Boat Shop) leased most of the upland portion of the Site from the port and

### Comments Invited

February 10 to March 14, 2011

#### Submit Comments and Technical Questions to:

Hun Seak Park - Site Manager  
WA Department of Ecology  
Toxics Cleanup Program  
PO Box 47600  
Olympia, WA 98504-7600  
Phone: (360) 407-7189  
E-mail: [hpar461@ecy.wa.gov](mailto:hpar461@ecy.wa.gov)

Andy Kallus - Baywide Manager  
E-mail: [Andy.Kallus@ecy.wa.gov](mailto:Andy.Kallus@ecy.wa.gov)

#### Open House and Public Meeting

6:00 -8:00 p.m. on February 16, 2011  
Snohomish PUD No. 1  
2320 California Street  
Everett, WA 98201

#### Document Review Locations

##### Everett Public Library

2702 Hoyt Avenue  
Everett, WA 98201  
Phone: (425) 257-8000

Hours: Mon – Wed 10 am - 9 pm  
Thurs – Sat 10 am - 6 pm  
Sun 1 - 5 pm

##### Department of Ecology

##### Headquarters

300 Desmond Drive SE  
Lacey, WA 98503

By appointment only:  
Contact Carol Dorn  
[Carol.Dorn@ecy.wa.gov](mailto:Carol.Dorn@ecy.wa.gov) or  
(360) 407-7224

#### Ecology's Toxics Cleanup Website

[http://www.ecy.wa.gov/programs/tcp/sites/everett\\_shipyard/ev\\_ship\\_hp.htm](http://www.ecy.wa.gov/programs/tcp/sites/everett_shipyard/ev_ship_hp.htm)

Facility Site ID #: 2794

since 1947, operated a boat building, maintenance and repair facility. The shipyard historically conducted marine vessel repairs that included tank evacuations, equipment disassembly, sandblasting, woodwork and metalwork, painting/coating and mechanical repairs. Operations at the Site ceased in September 2009.

Investigations at the Site have included the collection of soil, groundwater, and marine sediment samples. Primary contaminants identified in the uplands include metals, polycyclic aromatic hydrocarbons (PAHs), petroleum, and polychlorinated biphenyls (PCBs). Contaminants found in marine sediment include various semi-volatile organic compounds (SVOCs) including PAHs, the antifouling metallic compound tributyltin (TBT), other metals, PCBs, and petroleum.

To address this contamination, Ecology, ESY, Inc. and the port entered into a legal agreement, called an Agreed Order, to conduct an RI/FS and develop a draft Cleanup Action Plan addressing upland and in-water contamination related to discharges from the Site.

### **Overview of the Draft Remedial Investigation/Feasibility Study**

The Draft RI and FS, prepared by ESY, Inc. and the port, were combined into one report for the Everett Shipyard, Inc. Site. The report describes *exposure pathways*, or how contaminants move through upland soil, groundwater, and sediment, and how human health and the environment may be affected. Information about the amount and location of contaminants along with

exposure pathways were used to identify *cleanup alternatives* for the Site.

### **Overview of the Remedial Investigation**

The purpose of the RI is to determine which contaminants are on the Site, where they are located, and whether there is a significant threat to human health or the environment. RI results are discussed below.

**Soil** – Results indicate that soil in the upland portion of the Site has the following contaminants of concern (COCs): antimony, arsenic, lead, copper, cancer-causing PAHs, PCBs, and petroleum. These substances were found throughout the Site at depths generally less than 3 feet below ground surface. Deeper petroleum contamination was found in soil just east of the port's travel lift bulkhead at a maximum depth of 14 feet. Contaminants in upland soil are a risk to people through direct contact and inhalation (e.g., windblown dust), and also may be transported to the adjacent Puget Sound via stormwater runoff and as windblown dust. Potential migration of petroleum contaminants in subsurface soil near the port's travel lift to groundwater and then to the marine environment is a concern.

**Groundwater** – Results indicate that groundwater in the upland portion has the following COCs: arsenic, nickel, zinc, and petroleum. Primary concerns in groundwater include an area of petroleum contamination just east of the port's travel lift bulkhead and dissolved arsenic along the western portion of the Site. Contaminants in groundwater are a risk to people that may come in direct contact with it (e.g., shallow groundwater during construction), and it also may flow to the

adjacent Puget Sound posing a risk to marine life. The groundwater at the Site is not used for drinking water and is not considered potable due to the proximity of marine waters and high level of salinity. Therefore, groundwater cleanup levels were based on protecting marine surface water quality.

**Sediment** – Results indicate that marine sediments at the Site have elevated (i.e., exceeds Ecology’s Sediment Management Standards) concentrations of SVOCs, cancer-causing PAHs, TBT, other metals (i.e., arsenic, copper, lead, mercury, silver, and zinc), PCBs, and petroleum. These contaminants are at concentrations that pose a risk to marine life. One sediment sample collected during the investigation exhibited biological toxicity.

### Overview of the Feasibility Study

The purpose of the FS is to evaluate potential cleanup action alternatives and recommend a preferred cleanup action. This Draft FS addresses cleanup options for both upland and in-water portions of the Everett Shipyard, Inc. Site.

Cleanup action alternatives are the options that will successfully achieve cleanup of the Site. Alternatives may contain contamination, remove contamination, or include institutional controls to reduce exposure, and they may be used in different combinations.

Based on the results of the RI, four cleanup action alternatives were identified and evaluated (based on regulatory criteria) to address risk on the upland portion of the Site. Two cleanup action alternatives were

identified and evaluated to address risk on the in-water portion of the Site.

**Upland Cleanup Alternative 4** – Alternative 4 was selected as the preferred alternative for the upland portion of the Site, addressing both soil and groundwater. It would permanently remove most of the contaminated soil and focuses on removing the areas with the highest concentration of contamination. Alternative 4 would include the following measures:

- Excavate approximately 14,800 cubic yards of soil, including all impacted soil close to Puget Sound and in areas with the highest contaminant concentrations
- Remove two buildings under which high levels of PCBs and petroleum impacted soil were found
- Dispose of contaminated soil offsite
- Install an engineered cap on remaining soils containing concentrations of hazardous substances above cleanup levels subject to the requirements of a Soil/Groundwater Management Plan
- Clean out the stormwater system and modify, as needed
- Conduct groundwater monitoring and institutional controls

A Soil/Groundwater Management Plan will be part of the upland cleanup alternative. This plan describes procedures to be taken in the event that the integrity of the engineered cap is compromised and contaminated soil becomes exposed. Under the Soil/Groundwater Management Plan, contaminated soil that becomes exposed will be delineated and disposed of at an approved off-site disposal facility.

In addition to the two buildings that are required for removal as part of Alternative 4, the remaining structures at the Site are anticipated to be demolished in 2012 or prior to the beginning of major upland remedial construction. Under this scenario, the Soil/Groundwater Management Plan would be implemented concurrent with other upland cleanup activities.

**In-Water Cleanup Alternative 2** – Two alternatives were considered for the in-water portion of the Site: targeted dredging and containment, or mass dredging. Alternative 2, mass dredging, was selected as the preferred alternative because it is the most permanent and would remove all of the impacted sediments.

These preferred alternatives are protective of human health and the environment, make up a permanent solution that can be completed in a reasonable timeframe, address public concerns, and are compatible with future land uses at the Site.

### **Why This Cleanup Matters**

#### **Protecting and restoring Puget Sound**

Governor Chris Gregoire and the Washington State Legislature established the Puget Sound Initiative to protect and restore Puget Sound. Several baywide areas in the Sound have been identified as high priority cleanup areas as part of this Initiative, including Port Gamble, Dumas Bay, Padilla and Fidalgo Bays, Port Angeles, Budd Inlet, and Port Gardner Bay. This work includes cleaning up 50-60 sites within one-half mile of the Sound. One of these is the Everett Shipyard, Inc. Site. These cleanup actions will help to reduce pollution and restore habitat and shorelines in Puget Sound.

For more information about other cleanup sites, go to:

[http://www.ecy.wa.gov/programs/tcp/sites/sites\\_information.html#S](http://www.ecy.wa.gov/programs/tcp/sites/sites_information.html#S).

### **What Happens Next?**

Once the public comment period ends on March 14, Ecology will review and consider all comments received on the Draft Remedial Investigation/Feasibility Study (RI/FS). This cleanup document may be modified based on your comments. The Public Participation Plan for this Site is updated and has more information about the cleanup process and how you can get involved. As future documents on the Site are developed, you will be notified of additional public comment periods.

For information about other Ecology public comment periods, meetings, and other events, please visit Ecology's public events calendar at: <http://apps.ecy.wa.gov/pubcalendar/calendar.asp>.



### Come to the Open House Feb. 16

A community open house and meeting will be held from 6:00-8:00 pm on Wednesday, February 16, 2011.

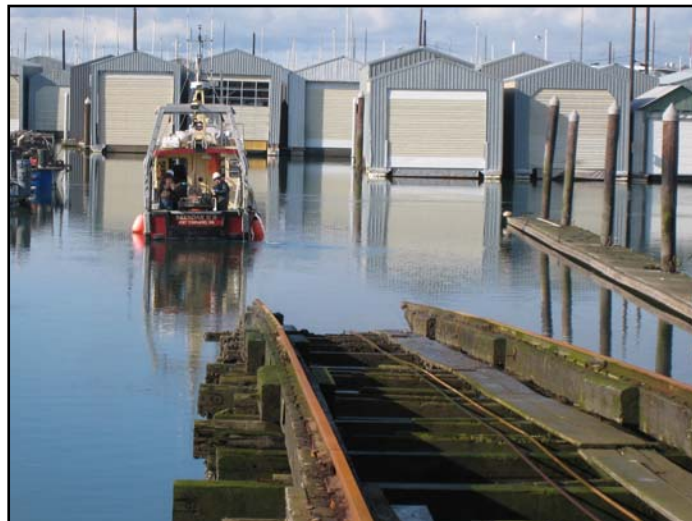
Come learn about the plan to clean up the Everett Shipyard, Inc. Site and hear an update on each of the Puget Sound Initiative sites.

There will be a presentation at 6:30 pm followed by a Q &A period at 7:00 pm

#### Open House & Meeting Location:

Snohomish Public Utility District No. 1  
2320 California Street  
Everett, WA 98201

*We hope you can join us  
and welcome your comments*



Sediment sampling is conducted just beyond the Marine Railway, which was used to move boats from the water to the Everett Shipyard, Inc. Site.

### What can you do?

1. Read about the cleanup in this handout.
2. To get more detailed information, review the supporting documents at the locations listed on page one.
3. Write down your comments and questions. Send them to the Department of Ecology at the address shown on page one.
4. Come to the public meeting from 6 - 8 pm on February 16 at the Snohomish Public Utility District.

**We appreciate your comments and concerns. Thank you.**



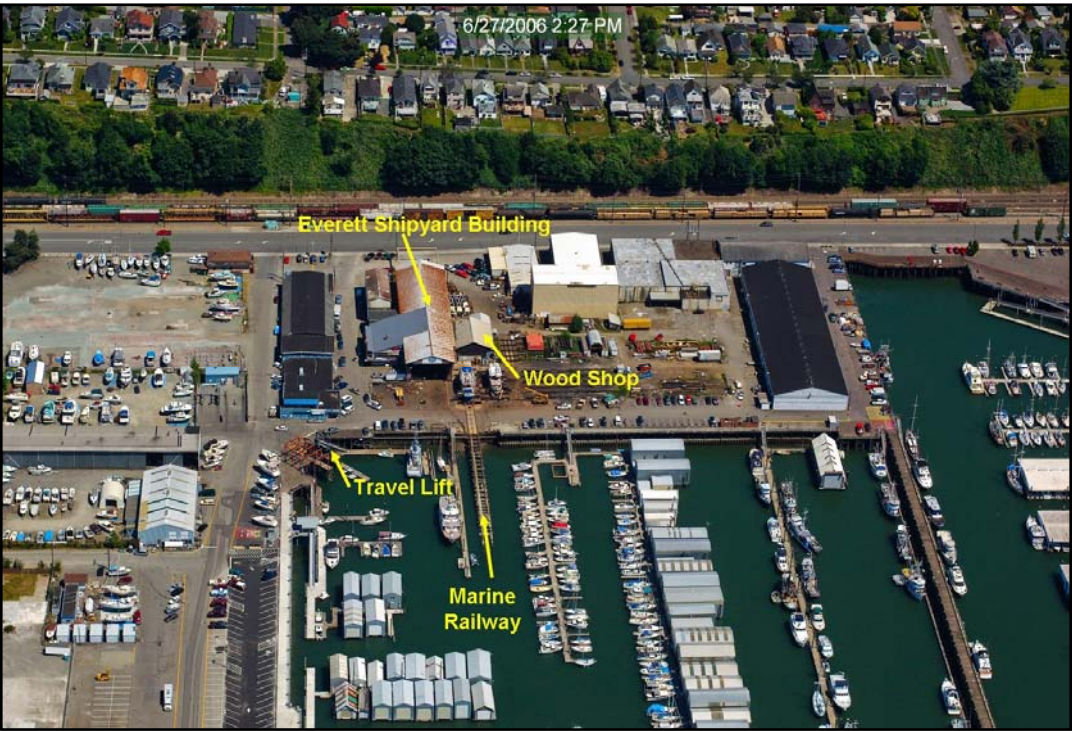
Picture of the port's travel lift which is used by port customers to move boats into and out of the water.



# Everett Shipyard, Inc. Site



The Everett Shipyard, Inc. Site is located at 1016 14<sup>th</sup> Street in Everett, WA.



Aerial view of the Everett Shipyard, Inc. Site from 2006.





Toxics Cleanup Program  
PO Box 47600  
Olympia, WA 98504-7600

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**Everett Shipyard, Inc. Site,  
Everett  
Snohomish County, WA**

**Ecology Seeks Public Comment on  
Draft Site Investigation Document**

**Public Comment Period:  
February 10 to March 14, 2011**

**Open House:  
February 16, 2011  
Snohomish Public Utility District  
6:00-8:00 pm**

**Facility Site ID #: 2794**

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**Help with other languages and  
formats?**

If you need this publication in an alternate format, please call the Toxics Cleanup Program at (360) 407-7170. Persons with hearing loss can call 711 for Washington Relay Service. Persons with a speech disability can call (877) 833-6341.