EPA United States Environmental Protection Agency
Region 10

Cleaning up the Lockheed West Seattle Superfund Site

Lockheed West Seattle Superfund Site Public Comment Period July 2 – August 3, 2012

Seattle, WA July 2012

The U.S. Environmental Protection Agency invites your comments on the Proposed Plan for the cleanup of the Lockheed West Seattle Superfund site located offshore of 3443 West Marginal Way SW., Seattle, Washington. The Lockheed West Seattle Superfund site is located in Elliott Bay, near the mouth of the West Waterway.

Shipyard activities and related discharges resulted in a variety of contaminants accumulating in the shoreline and in the mud immediately offshore and into Elliott Bay. A number of studies have confirmed the location of these contaminants and their threat to people's health and to the environment. Chemicals found at the site include metals, PCBs, dioxins, pentachlorophenol, and DDT. These chemicals are taken up by fish, shellfish, and wildlife.

People who fish near this area are **at risk** from eating the fish and shellfish and also from direct contact with contaminated mud. Action is needed to reduce contaminants in fish, shellfish, and wildlife and to reduce the possibility that people will be exposed to contaminated mud through netfishing or other activities.

Make Healthy Fish Choices

Visit the Washington Department of Health's website for more information on healthy fish choices in Puget Sound and Elliott Bay at:
http://1.usa.gov/DOH_fishadvisory

Tell Us What You Think

EPA has evaluated a number of options for site cleanup and has described its recommendation in the Proposed Plan. Public comments may result in changes to the Plan. This is an important opportunity to share your ideas with EPA about the plan and supporting documents. After the comment period, EPA will select a final remedy and provide a written response to comments.

Send written comments by **August 3, 2012** to
Piper Peterson, EPA Project Manager
1200 Sixth Ave., ECL -111
Seattle, WA 98101
Peterson.piper@epa.gov.

EPA will host a public meeting to take oral and written comments

Thursday, July 19, 2012
at the
West Seattle campus of
South Seattle Community College

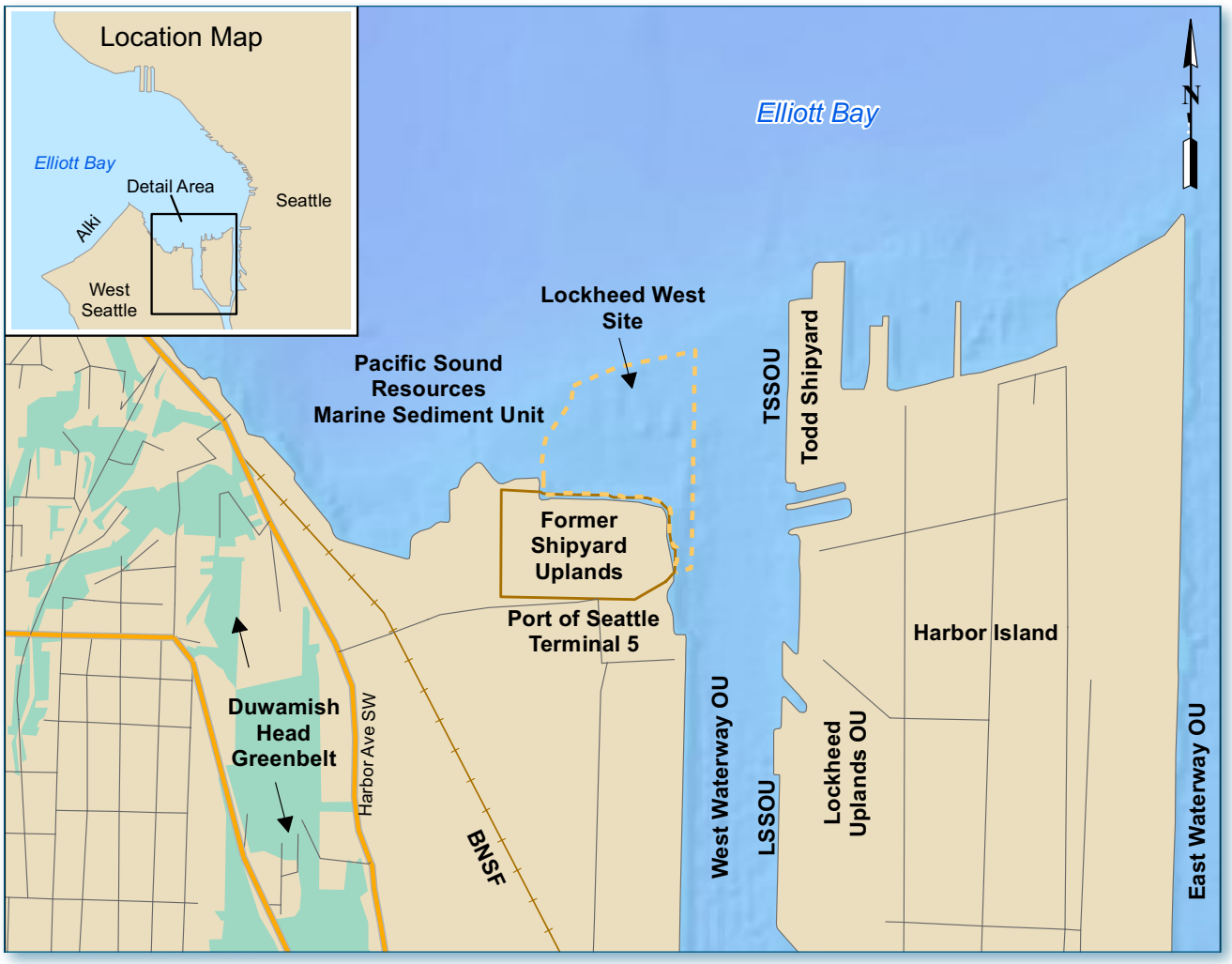
The meeting agenda includes:

- open house from 4 to 5 p.m.
- presentation and questions start at 5 p.m.
- oral comments taken from 5:30 to 7 p.m.

Location: South Seattle Community College, West Seattle Campus, 6000 16 Avenue SW, Seattle, Room CEC 102.
For directions, visit
www.southseattle.edu/campus/map.htm

For a copy of the Proposed Plan and for more information about the public meeting, visit EPA's website at
http://yosemite.epa.gov/r10/cleanup.nsf/sites/LockheedWest or contact Renée Dagseth at 206-553-1889 or dagseth.renee@epa gov

Documents related to the site (the Administrative Record) also are available for review at the Superfund Records Center at 1200 6th Avenue, Seattle. Call 206-553-4494 for an appointment.



EPA's Proposed Plan for cleanup (Alternative 3 C Plus)

EPA's recommendation includes removing the worst contaminated sediments by:

- dredging
- adding a thin layer of clean sand across the entire site to enhance natural recovery
- removing debris and pilings.

Dredged sediments and other materials will be taken to a permitted landfill. This alternative will result in the fewest restrictions to maritime activities and future uses, and is designed with the Usual and Accustomed Fishing Rights of the Suquamish and Muckleshoot Indian Tribes in mind.

The estimated cost is $47.7 million. Construction can be completed in two years. EPA will monitor the site at construction completion to ensure that the cleanup is effective.

Since the majority of contaminants will be removed from the site, limited monitoring will be needed once the cleanup is completed. Due to contamination in the rest of Elliott Bay, fish advisories will continue to be necessary after the cleanup. This cleanup will not result in changes to water quality in the Bay.

EPA evaluated the alternatives against the following criteria

- overall protectiveness of human health and the environment
- compliance with applicable, relevant and appropriate requirements
- long-term effectiveness and permanence
- reduction of toxicity, mobility, and volume through treatment, short-term-effectiveness
- feasibility
- cost
- acceptance by state and tribal governments and the community

How Will This Cleanup Affect Neighbors?

The cleanup site is located underwater in an industrial area of West Seattle. Impacts on the closest residents and commercial or industrial neighbors could include additional noise from dredging and truck traffic during construction. Contact information will be posted outside the site so neighbors can easily report problems. Methods for reducing traffic impacts will be evaluated during the design phase. No public access to the site exists now or is anticipated in the future because the site is next to the Port of Seattle's Terminal 5.

What Other Options Were Considered?

Nineteen alternatives — based on four general approaches — were considered. The alternatives explored the protectiveness of leaving contaminants in place and covering them with clean sand, a combination of removing the worst contaminants and covering the rest with clean material, or removing the majority of contamination. The alternatives range from one to nine years to complete and predicted costs range from $17 million to $302.8 million. The four general approaches evaluated in the Feasibility Study were:

No Action: this is used as the baseline for evaluating the other options but it does not protect people's health or the environment, so it was not considered as a possible option.

Containment focus: the nine options under this approach rely on placing a thick layer of clean material (a "cap") over contaminated mud. Existing pilings and pier structures would be left in place unless they interfered with the cleanup. Caps could be damaged by dropping anchors or other actions making long term monitoring and a variety of legal restrictions necessary.

Removal focus: the six options with the focus rely on dredging some contaminated mud, removing debris, and covering over remaining contamination with clean material.

Enhanced natural recovery would be used in lightly contaminated areas. EPA's recommended cleanup plan, Alternative 3 C Plus, is a variation on one of these alternatives.

Complete removal focus: the three options under this approach would involve removing debris and dredging large amounts of contaminated mud so that no cap is necessary.

Who Is Paying for the Cleanup?

The Lockheed Martin Corporation will undertake the cleanup of the site — with oversight from the US Environmental Protection Agency.

For More Information...

Contact **Renée Dagseth**
☎ 206-553-1889 or 800-424-4372
dagseth.renee@epa gov

For a copy of the Proposed Plan and for more information about the public meeting, visit EPA's website at
http://yosemite.epa.gov/r10/cleanup.nsf/sites/LockheedWest

If you need materials in an alternative format, please contact Renee Dagseth

TTY users: *please call the Federal Relay Service: 800-877-8339 and ask for Renée Dagseth at 206-553-1889*

United States
Environmental Protection
Agency
Region 10

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July 2012

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Look Inside for

- EPA's proposed plan for cleanup?
- How will this cleanup affect neighbors?
- What other options were considered?

Learn More on the Web

Directions to Public Meeting Thursday, July 19, South Seattle Community College (West Seattle Campus)
www.southseattle.edu/campus/map.htm

For a copy of the Proposed Plan:
http://yosemite.epa.gov/r10/cleanup.nsf/sites/LockheedWest

Information on healthy fish choices in Puget Sound and Elliott Bay

www.doh.wa.gov/CommunityandEnvironment/Food/Fish/Advisories.asp