

SUPERFUND

Fact Sheet

WYCKOFF/EAGLE HARBOR SUPERFUND SITE
Bainbridge Island, Washington



U.S. ENVIRONMENTAL PROTECTION AGENCY REGION 10

October 1999

Proposed Wyckoff Cleanup Plan: Public Comment Period, Availability Session and Public Meeting, Document Availability, Plan Summary

The U.S. Environmental Protection Agency invites your comments on the Proposed Plan for cleaning up contaminated soil and groundwater at the Wyckoff Superfund Site on Bainbridge Island. This fact sheet provides information about how you can participate in the decision-making process and provides a summary of the Proposed Plan.

Proposed Plan Announced. This fact sheet announces availability of the **Wyckoff/Eagle Harbor Superfund Site Soil and Groundwater Units Proposed Plan**. The Proposed Plan contains EPA's proposed preferred remedy for the site, and a summary of findings from environmental investigations.

Comments Due November 2. The public is encouraged to review the Proposed Plan. The 30-day comment period runs from October 4 to November 2, 1999. During this time EPA will accept comments and host a public meeting. After considering public comments, EPA will make final cleanup decisions and respond to comments in a document called a Responsiveness Summary. Send written comments to:

Hanh Gold, Project Manager
EPA Region 10, ECL-115
1200 Sixth Avenue
Seattle, WA 98101

Where can this document be found?

To request a copy of the Proposed Plan, call Andrea Lindsay at 206/553-1896. Additionally, the Proposed Plan will be available for review at the Bainbridge Island Public Library, 1270 Madison Avenue North or at EPA's Records Center, 7th Floor, 1200 Sixth Avenue, Seattle (206/553-4494). The Records Center also maintains an Administrative Record, a collection of documents EPA relies on for making cleanup decisions for the site, which is available for public viewing during business hours.

PUBLIC MEETINGS ON PROPOSED PLAN

October 21, 1999
Bainbridge Island Commons
402 Bjune Drive
4:00-5:00 pm: Availability Session
7:00-9:30 pm: Public Meeting

Public Meeting Opportunities. EPA will host an **availability session** from 4:00 to 5:00 p.m. on October 21, 1999 at the Commons. This is an opportunity for interested citizens to meet individually with project representatives.

Also on October 21 at the Commons, there will be a **public meeting** from 7:00 to 9:30 p.m. The meeting will begin with a short presentation about the Wyckoff/Eagle Harbor Site and the Proposed Plan, followed by a question and answer period. Then EPA will take oral comments. A court reporter will transcribe the meeting including any oral comments delivered. A written response to each comment will be prepared after the meeting.

For More Information. For information about public involvement opportunities, contact Andrea Lindsay, Community Involvement Coordinator, at 206/553-1896 or 1-800-424-4372 x1896. For technical information, contact Hanh Gold, Project Manager at 206/553-0171 or 1-800-424-4372 x0171.



Remedial Action Objectives.

Cleanup goals for the site are known as "remedial action objectives." The remedial action objectives for the **Soil** operable unit are to:

- Prevent human exposure through direct contact with contaminated soil.
- Prevent the contaminants in the soil from continuing to act as a source of contamination to the groundwater.
- Prevent storm water runoff containing contaminated soil from reaching Eagle Harbor.

The remedial action objectives for the **Groundwater** operable unit are to:

- Reduce the NAPL source and quantity of NAPL leaving the site to protect surface water and sediments. (e.g., ensure the quantity of NAPL leaving the site does not adversely affect aquatic life and sediments.)
- Ensure contaminant concentrations in groundwater do not adversely affect aquatic life in surface water and sediment.
- Protect humans from exposure to groundwater containing contaminant concentrations above protective levels.
- Protect the groundwater in the lower aquifers, which are potential drinking water sources.

Cleanup Alternatives.

The Proposed Plan identifies three cleanup alternatives:

1. No further action.
2. Containment.
3. In-Situ Thermal Remediation.

The first alternative would involve maintaining the existing groundwater extraction and treatment systems until it fails. No additional actions would be taken. NAPL would continue to move to marine waters and sediments, and NAPL in the groundwater and soil would continue to pose a threat to humans and the environment. (estimated cost to continue operating the systems for another 5 years: about \$2 million)

The second alternative would involve installing a physical barrier to prevent contamination from moving off-site, replacing the existing groundwater treatment plant, and capping contaminated soils. The physical barrier could be either a slurry wall or a sheet pile wall. Under this option, NAPL would remain in the soil and groundwater at the site. (estimated cost: about \$40 million with slurry wall, or \$26.5 million with sheet pile wall)

The third alternative, In-Situ Thermal Remediation, represents EPA's preferred remedy. This remedy consists of steam injection and possibly electrical resistance heating. Using this innovative technology, the contaminated zone would be heated so that contaminants would become more mobile and easy to remove. The treatment zone would be surrounded by a sheet pile wall and covered by a vapor barrier. The NAPL would be removed and groundwater and vapors would be pumped out and treated. Based on laboratory data and results from use of this technology at a similar site in California, this remedy has the potential to almost completely remove and destroy contaminants in the soil and groundwater within 10 years. If this alternative is selected, EPA would conduct a pilot study to test the technology on site before moving to full scale thermal remediation. Additionally, EPA would take measures to reduce noise by installing noise abatement equipment such as silencers, and to reduce odors by installing a tight vapor cover and filter systems to reduce emissions. (estimated cost: \$41 million to \$48.5 million)

EPA's preferred remedy was evaluated against the criteria used by EPA to assess remedies under the Superfund Program, and these evaluations are described in detail in the Proposed Plan. The preferred remedy would provide the greatest protection to human health and the environment, would permanently reduce risks by treating the principal threat at the site, and is considered a cost-effective solution to Wyckoff soil and groundwater contamination. EPA encourages you to comment on all remedies presented.

EPA Invites Your Comments on the Proposed Cleanup Plan for the Wyckoff Superfund Site.

The Proposed Plan indicates EPA's preferred remedy for cleaning up contaminated soil and groundwater at the Wyckoff Superfund Site on Bainbridge Island. We encourage you to comment on the proposal. EPA will make a final remedy selection after all public comments are reviewed and considered. Comments on the Proposed Plan are due November 2, 1999. A public meeting will be held October 21.

To request additional services for persons with disabilities, call 1-800-424-4372.



United States
Environmental Protection
Agency

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WYCKOFF/EAGLE HARBOR SUPERFUND SITE
PUBLIC MEETING ANNOUNCEMENT
Bainbridge Island, Washington