

# **PORTLAND HARBOR SEDIMENT MANAGEMENT PLAN**

## **APPENDIX J**

### **PUBLIC INVOLVEMENT PLAN FOR IMPLEMENTATION**



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**Appendix J  
Public Involvement Plan for Implementation**

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## **Appendix J**

### **Public Involvement Plan for Implementation**

#### **1.0 INTRODUCTION**

This plan has been developed by the Oregon Department of Environmental Quality (DEQ) in consultation with the U.S. Environmental Protection Agency (EPA), the Portland Harbor Group, a coalition of 10 private and public entities owning property or conducting business within the Portland Harbor area, environmental groups, and other interested parties in the Portland Harbor project. It is one of the elements of the Portland Harbor Sediment Management Plan (PHSMP). DEQ believes that public involvement is an integral component of this project, requiring a multi-agency and public consensus-building process to establish public trust as well as successful environmental results.

DEQ is committed to an effective public involvement process, which will communicate with concerned citizens, businesses, organizations, and affected parties in ways that allow them to participate in the process over the course of the cleanup and throughout implementation of the PHSMP. It will responsibly address public concerns about threats or perceived threats to human health and the environment. Public concerns will be addressed early and openly to secure confidence in the process and will continue throughout the life of the project and cleanups at specific sites.

This public involvement plan serves as a blueprint for public information and participation during DEQ's implementation of the PHSMP and at specific sites within the Harbor. This plan will be developed in phases determined by ongoing feedback from the public and affected parties and project events. The document identifies DEQ's process for identifying and responding to the public's concerns. It also documents how and when public communication activities will be carried out.

#### **2.0 OBJECTIVES**

The objectives of the public involvement plan for the PHSMP are listed below:

- Build relationships with the community and affected parties and provide reasonable opportunity for their involvement early in the process.
- Provide information on status of the project, ecological and human health risk assessments, and issues related to the PHSMP and its implementation.
- Provide a continuing mechanism for assessing the needs, values and concerns of the community, including identifying their long-term communication needs.
- Ensure mobile, non-traditional groups that use the Harbor for fishing and/or recreation have the opportunity to participate in the process.

## **3.0 PROJECT OVERVIEW**

### **3.1 Site Location and Description**

The Portland Harbor is the final reach of the Willamette River upstream of where it joins with the Columbia River. The Reach is defined as the lower 11.8 miles of the Willamette River. The Portland Harbor “site” is a 6-mile segment within the Harbor area that lies between Swan and Sauvie Islands in Portland (river mile 3.5 to river mile 9.5). It is also the most industrialized part of Portland Harbor and is primarily zoned for commercial and industrial use. Although there is some residential development within the Portland Harbor site area, this area is likely to remain a working harbor.

Portland Harbor is one of the busiest seaports on the Pacific Coast. The shoreline of the river near Portland has been altered to accommodate urban development and a growing shipping industry. Shoreline features include steeply sloped banks covered with riprap or constructed bulkheads, with manmade structures such as piers and wharves extending out over the water. To accommodate shipping, the River has been dredged, causing steep slopes in many portions of the riverbed. Channel depths currently range from 10 to 140 feet, with an average depth of 45 feet. In this reach, the river is deep, slow moving, and tidally influenced.

Within the 6-mile project area, a number of industrial operations have been identified as potential sources of contamination to sediment in the Willamette River. Historical or current industrial operations include but are not limited to: marine construction, bulk petroleum product storage and handling, construction material manufacturing, oil fire fighting training activities, oil gasification plant operations, wood-treating, agricultural chemical production, hazardous waste storage, battery processing, liquid natural gas plant operations, chlorine production, ship loading and unloading, ship maintenance and repair (i.e. sandblasting, painting, repair, refueling), rail car manufacturing, and metal scrapping and recycling.

### **3.2 Cleanup Activities Underway**

Over the last nine years, numerous past investigations within the Portland Harbor area have been conducted. A portion of the studies focused on specific properties, while the remaining studies were river-wide and incorporated sediment sampling as one component. Past sediment studies have demonstrated the presence of polycyclic aromatic hydrocarbons (PAHs), pesticides, polychlorinatedbiphenyls (PCBs), dioxins, total inorganics, organotins, pentachlorophenol, and solvents, in the sediment. Chemicals of interest in Portland Harbor sediments are: metals; polycyclic aromatic hydrocarbons, i.e. carcinogenic compounds found within petroleum; semi-volatile organics, e.g. substances found in tires, plastics, and paint; pesticides; PCBs; and dioxins because of their potential toxicity to fish, humans and wildlife. These contaminants may have entered the River via spillage during product shipping and handling, direct disposal or discharge, accidental spills, contaminated groundwater discharge, surface water runoff, stormwater discharge, or contaminated soil erosion.

DEQ is currently working on cleanup or investigation activities at 17 sites within the Portland Harbor area. These sites are in various stages of the cleanup process, from early in the investigative stage to near completion of the final remedy. Two of the existing sites are

Superfund sites and three of the sites are in the beginning site assessment process where little information is known about the source and extent of the contamination. The other sites are well underway in the environmental investigation and cleanup process. A list of these sites and a description of their status is included in Attachment G.

In addition to overseeing ongoing site work at known sites, DEQ is actively engaged in searching for new sites that may be affecting vulnerable areas, such as geographic areas where hazardous releases are likely to occur and cause significant impacts to human health and the environment. File reviews, location and assessment of drainage patterns, historical reviews, site visits, and information requests have been completed in the Portland Harbor area to determine potential sources of contamination. All property owners within 1,500 feet of Portland Harbor received a letter describing the Portland Harbor project and DEQ's efforts to identify potential contaminant sources. Approximately 50 potential sources were identified through the procedures listed above. DEQ is in the process of prioritizing these sites for follow-up activities.

DEQ considered both natural and man-made drainages in assessing potential source areas for contaminants detected in the sediments. Locations of private and public outfalls were obtained from the City of Portland to help identify locations where outfalls may have contributed to the contamination. DEQ is working with the City of Portland to assess the significance of this contaminant source and, at locations where contamination is significant, to identify and address these sources.

### ***3.3 Portland Harbor Sediment Management Plan***

DEQ is currently working with EPA, other federal and state agencies, and the Portland Harbor Group, a group of public and private entities that own or conduct business in the Harbor area, to develop a long-term approach to lower Willamette River sediment contaminant issues. The PHSMP was developed by DEQ in coordination with a variety of stakeholders, both public and private. Some of the issues addressed by the PHSMP include: 1) how risks from contaminated sediments will be determined, 2) how DEQ will coordinate cleanup efforts with federal, state and local groups, 3) how communities will be represented and involved as cleanup work proceeds, 4) who will pay for the work in Portland Harbor, and 5) how will potential new sources of contamination be discovered and brought into the process.

## **4.0 ENVIRONMENTAL CONCERNS AND ISSUES**

### ***4.1 General Concerns and Issues***

As the PHSMP began to take shape, DEQ solicited input and began the informational process for local stakeholders. Since December 1998, several meetings have been held in combination with direct mailings. Materials used in those discussions are included as attachments to this plan. This section summarizes issues and concerns that DEQ has heard from environmental and community groups, government agencies, elected officials, and interested parties/citizens as part of its preliminary outreach efforts. Specific community concerns will be addressed after community interviews have been conducted and include the following:

- Coordination with Columbia River channel deepening

- Funding availability
- DEQ enforcement authority
- Outcome at Ross Island (dredging and disposal)
- Expanded cleanup (beyond 6 miles)
- Technical assistance to groups
- Water quality issues (e.g. combined sewer outfalls, soil erosion, run-off)
- Fish consumption
- DEQ influenced by private industry
- Difference in Superfund versus DEQ-led cleanup (how can community compare)
- Recalcitrant responsible parties (how will DEQ get them to the table?)
- Natural resource issues (coordination and analysis, studies required)

#### **4.2 Community Concerns and Issues**

Meetings with environmental and community organizations and tribal representatives were conducted February through May, 1999. There is definite interest in an efficient and effective cleanup in the Harbor. The following is representative of significant concerns and issues expressed during these meetings.

Several groups expressed concern that the general public was not generally knowledgeable about the cleanup process and that technical information in the PHSMP is too difficult to understand. Therefore, providing substantive comment on the draft plan would be difficult. *In response to this concern, DEQ made a \$10,000 grant available to community groups to hire technical expertise and facilitate public review and comment of the PHSMP. Following the public comment period, a responsiveness summary will be prepared, identifying how comments will be incorporated into the PHSMP and/or addressed during implementation. Providing a grant to facilitate public review at this very early stage is unique to the Portland Harbor approach.*

*DEQ is also committed to providing additional funds to the community, similar to EPA's technical assistance grants, to encourage and facilitate public involvement during implementation of the PHSMP. These funds will be available to assist community groups in reviewing the technical information generated throughout the cleanup process.*

Several groups questioned why a DEQ-led cleanup effort is preferable to an EPA Superfund cleanup. *A DEQ-led approach would build on existing DEQ work in the Harbor, keep the project under local control, and achieve the same or better environmental results. DEQ is committed to achieving desired environmental and human health protection in the most efficient and economic way possible.*

Concern was expressed about DEQ's current use of voluntary cleanup agreements and DEQ's ability to include recalcitrant parties in a cleanup process. *Voluntary agreements are just one tool DEQ can use to achieve environmental results. If a party fails to meet milestones outlined in the voluntary agreement, the party will be subject to an enforcement order. DEQ's enforcement authorities are similar to Superfund, and provide authority to enforce and cost recover against recalcitrant parties.*

Some groups are concerned that DEQ does not have adequate resources or funding to successfully manage the project in Portland Harbor, and that a Superfund listing may be preferable due to the access to federal funds. *DEQ is committed to providing the resources and funding needed to successfully address contaminated sediments in Portland Harbor. More information about DEQ's funding and resource strategy for Portland Harbor is found in Section 10.*

Concerns were expressed that DEQ may be subject to political influences that could compromise environmental results. *DEQ will ensure compliance with the state cleanup law. It is envisioned that both the risk assessment and remedy selection phases of this project will be conducted with input from all stakeholders.*

Concerns were expressed over difficulties associated with coordination among other programs and agencies. *DEQ's efforts in Portland Harbor will be coordinated with several other Willamette River activities, agencies and DEQ programs. DEQ acknowledges that successful coordination will be critical to success.*

Questions have arisen concerning the laws applying to contaminated sediments and options for disposal. *Oregon's cleanup and water quality laws, as well as the Regional Dredge Material Framework, apply to contaminated sediments. If Portland Harbor were to be listed as a Superfund site, some state requirements would still apply. Disposal options for contaminated sediments will need to be evaluated, as the remedy selection phase of the cleanup proceeds.*

Concern has been expressed that other parts of the Willamette River need the attention focused on this relatively small stretch. *While the focus of this plan may appear limited, there are other cleanup efforts and projects currently underway focusing from the Willamette Falls to the mouth of the River. That information may affect cleanup activities in Portland Harbor and will be used to ensure that recontamination does not occur. The information generated by evaluating the sediments in Portland Harbor will be used to assess potential sediment issues on a broader basis.*

Some groups expressed concern that cleaning up existing contamination in the harbor does not make sense without a parallel effort to prevent future contamination from occurring. *DEQ acknowledges that source control and incorporating best management practices at sources along the Harbor will be an integral part of implementation.*

Concern was expressed about DEQ's ability to coordinate with other water quality issues, such as developing total maximum daily loads (TMDLs) for the Willamette. *The work in Portland Harbor will require intense coordination both inside and outside the agency. The internal sediment strategy group already in place at DEQ includes representatives from cleanup, waste management, and water quality programs, and is an example of how water quality and cleanup policy and technical issues are coordinated. Water quality staff will be involved and working with cleanup staff during implementation.*

A draft of the PHSMP was made available for a 30-day public comment period in mid April. In early April, a fact sheet was widely distributed to stakeholders to announce an open house and that the draft plan was available for comment. The fact sheet advised interested parties to contact

DEQ if they wanted to receive a copy of the draft plan. The PHSMP is also available on the DEQ web site. Early in the public comment period, a press conference was held to publicize the availability of the draft plan. An open house was held on April 22<sup>nd</sup> during the public comment period to provide an additional forum for the general public to gather information and provide feedback. Comments received during the review period will be consolidated into a comment response document and incorporated where appropriate into the PHSMP.

This section will further discuss citizens’ concerns and issues that will be identified during community interviews conducted prior to PHSMP implementation. The public involvement plan will be revised based on the information gathered from these interviews.

## 5.0 PARTICIPANTS IN PUBLIC INVOLVEMENT PROCESS

The audience for the Portland Harbor public involvement will focus on all parties who:

- Are potentially affected by environmental impacts or cleanup work in Portland Harbor;
- Are likely to perceive themselves as affected;
- Have been involved in site investigation activities or cleanup activities along the Harbor;
- Are interested in cleanup work in the Harbor or are interested in issues related to the Willamette River.

If any other organizations, groups, or community members perceive that they may be impacted by decisions made about Portland Harbor, they will also be invited to participate in this process. The initial list of interested parties may be expanded, if necessary, depending on the results of additional findings, issues, and concerns raised in the near future.

The following table lists individuals and groups that have been identified as key stakeholders. These groups will be informed of ongoing activities in the Portland Harbor Project on a routine basis and are invited to participate in the public involvement process. Any interested tribal group will also be involved, and outreach and coordination efforts will be specifically tailored to meet their needs.

**Table J-1: Portland Harbor Key Stakeholders**

General Public	Environmental/Community Orgs.	Regulated Community	Elected Officials	Agencies/Tribes	Professional Associations
Neighborhood Associations	Willamette Riverkeeper	Industry/Business	City Commissioners	State Agencies	Realtors
Citizens/Affected Communities	NW Environmental Defense Center	Private Developers	Legislators: State & U.S.	Port of Portland	Attorneys
Schools	Oregon Environmental Council	City/County	Governor	EPA	Consultants
Media	Oregon Trout	City/County Developers	Mayor	Oregon Fish and Wildlife	Bankers/Financial Institutions



<b>General Public</b>	<b>Environmental/Community Orgs.</b>	<b>Regulated Community</b>	<b>Elected Officials</b>	<b>Agencies/Tribes</b>	<b>Professional Associations</b>
Churches	Oregon Sierra Club	Dredge Companies	County Officials	Health Division	Boaters
Interested Parties	Environmental Law Education Center	Ross Island		City of Portland	Association for Portland Progress
Workers in Harbor (Union)	NW Steelheaders	Responsible Parties		Affected Tribes: Siletz, Umatilla, Warm Springs, Grande Ronde, Yakama, Nez Perce	Columbia Corridor Association
Ethnic communities fishing in Harbor	Audubon Society			Columbia River Inter-Tribal Fish Commission	Chamber of Commerce
	Environmental Justice Action Group			National Oceanic & Atmospheric Administration	Trade Associations
	Urban League			Dept. of Interior	Willamette River Stake-holders Task Force
	NW Environmental Advocates			Metro	
				U.S. Fish & Wildlife Service	

Note: See Attachment F for preliminary mail list of organizations and groups; it will be updated as new interested parties are identified throughout the project.

## 6.0 PLAN IMPLEMENTATION

DEQ will be responsible for performing and/or coordinating the following tasks as part of implementing the public involvement plan for the Portland Harbor project.

- Prepare and maintain a mailing list of community members and interested parties that fit the criteria outlined in Section 5.0.
- Prepare newsletters, fact sheets, and materials as needed in understandable, nontechnical language about Portland Harbor sediments, cleanup activities, and project status and distribute to the appropriate individuals on the mail list.
- Notify all public involvement program participants of meetings, events, available documents, and project issues. This will be completed through mailings, press releases, posting notices in areas such as community centers, branch libraries, etc., local newsletters or newspapers, or through other organizations, e.g. community civic organizations, neighborhood associations, etc.
- Initiate, facilitate, and coordinate public meetings, open houses, public availability sessions, technical workshops, and speaking forums, and provide written information as hand-outs at

these meetings. DEQ may also work with existing groups to co-sponsor meetings about Portland Harbor.

- Respond appropriately to any concerns or issues raised by members of the local community by providing opportunities for the public to comment on project documents. Maintain a database with comments and responses given. Responses to public comments will be provided through a variety of mechanisms, e.g. phone calls, e-mail, comment summaries, meetings or other venues that will be determined during community interviews.
- Conduct community interviews to gather first hand community-specific information about the site and use it to plan how best to keep the public informed and involved during implementation of the PHSMP or site cleanup activities.
- Monitor the public involvement process to ensure that questions of concerned parties and citizens are appropriately answered (e.g. e-mails, surveys, phone conversations) and the objectives of the plan are being met.
- Maintain information on the Portland Harbor web site about activities and documents related to Portland Harbor sediments and the management plan. Provide appropriate links to other related sites.
- Coordinate public involvement activities with other site-specific plans. The public involvement coordinator for DEQ will work with project managers to develop outreach plans or activities as required for specific sites and coordinate broader public meetings on Portland Harbor with them. Upcoming technical milestones will be tracked with the schedule for public involvement activities.
- DEQ will identify a spokesperson as a primary point of contact for the Portland Harbor project who can answer the community's questions, and identify and resolve conflicts within the community. In addition, a "Contacts" sheet will be generated that lists who is leading efforts in various activities.
- Establish and maintain an information repository that contains documents for public review at the DEQ NW Region and Headquarters Offices, and selected Multnomah County Libraries. Examples of documents that would be available at the Information Repository include: fact sheets on Portland Harbor and specific sites, (Quarterly Status Reports), general information about the Cleanup Program, Weston Report, PHSMP, Oregon Cleanup Laws and Regulations, Public Involvement Plan, maps of site, newspaper notices of meetings, public comment periods, summaries of public meetings, Administrative Records, site investigation reports, Records of Decision, etc. Which documents are placed in the information repository will also be determined by the community. Other potential locations will be identified during the community interview process.
- Establish and provide technical and financial assistance to a community group or similar body that would represent the community and serve as a forum to discuss issues related to implementation of the PHSMP and ongoing cleanup work occurring at existing sites.
- Provide funding for an objective third-party technical reviewer who can respond to questions and concerns raised by the community and explain the details of the PHSMP and cleanup actions or remedies.

To determine specifically how to communicate with the various groups and citizens in this audience, DEQ will consider the following issues:

- Audience preferences: DEQ will inquire about the audience's preferences for information and being involved in the process. DEQ will refine the public involvement plan to account for these preferences.
- Amount and type of interaction needed: If members of the targeted audience are particularly concerned about environmental and/or human health impacts, DEQ will increase the level of interaction as appropriate (or decrease as necessary).

## 7.0 ROLES AND RESPONSIBILITIES

- A. DEQ
- B. EPA
- C. Community Leaders
- D. Portland Harbor Group
- E. Local Officials: City of Portland, County Officials, etc.
- F. Natural Resource Trustees

## 8.0 SCHEDULE AND PUBLIC INVOLVEMENT AND INFORMATION ACTIVITIES TO DATE

The implementation of the public involvement plan for Portland Harbor will proceed with the following schedule. The list also includes public involvement and information activities to date.

<u>Date</u>	<u>Activity</u>
September 1998	Developed and distributed the Portland Harbor Fact Sheet: updated it in December 1998, February 1999, March 1999, and April 1999.
September 1998	Developed web page for Portland Harbor Project.
October 1998	Developed and distributed additional fact sheets about Portland Harbor.
December 1998	Group meeting with key environmental and community groups
February 1999	Distribute draft PHSMP outline for environmental groups to review
Feb-March 1999	Individual meetings held with environmental/community groups and CRIFTC.
March 1999	Developed Portland Harbor site mailing list with 7,000 residences and an interested party mail list with 400 stakeholders.
March 1999	DEQ announces availability of Public Involvement Grant to facilitate understanding of PHSMP.
April 1999	DEQ awards public involvement grant to non-profit organization.
March-May 1999	Attended neighborhood associations meetings.
April 1999	Developed draft joint fact sheet on Portland Harbor project and plan with EPA for distribution to the public.
April 1999	Submitted articles about PHSMP in five neighborhood newsletters.
April 1999	Placed display ads in 5 local newspapers announcing open house and availability of the plan.
April 1999	Developed and distributed flyer announcing open house and availability of PHSMP to over 7,400 people.
April 1999	Distributed draft PHSMP for public review to about 420 people.

April 1999	Set up information repository at Public Library.
April 1999	Public open house re: PHSMP.
April-May 1999	DEQ public involvement grant awardee holds 7 public meetings re: PHSMP and distributes fact sheets.
May 1999	Responded to comments on PHSMP.
May 1999	Develop structure and plan for community interviews.
June 1999	Distribute summary of responses to comments on draft PHSMP to people who commented on it.
June 1999	Distribute final PHSMP to all interested parties.
June - July 1999	Continue bi-monthly meetings with neighborhood associations; provide status updates.
June - July 1999	Conduct community interviews (15-25 minimum)
July 1999	Update Fact Sheets.
July 1999	Prepare TAG proposal for technical work group.
August 1999	Incorporate community interview information into public involvement plan.
Sept. 1999	Place ads in local papers regarding informational meetings, updates on PHSMP.
Sept. 1999	Contact neighborhood associations regarding informational meetings, update on status of PHSMP activities.
Sept. 1999	Work with Portland public school system to speak at school functions or other events that parents likely to attend.
Oct. 1999	Update existing fact sheets.
Oct/Nov 1999	Quarterly informational meeting re: status of activities in Portland Harbor.
January 2000	Update Fact Sheets.
Jan/Feb 2000	Quarterly informational meeting.
April 2000	Update Fact Sheets.
April/May 2000	Quarterly informational meeting.

A list of meetings and events is located in Attachment D.

Specific events and dates will be developed after information from the community interviews is incorporated into the public involvement plan.

The schedule may be modified depending on public response, events or key policy issues.

A glossary of terms is located in Appendix K of the PHSMP and Appendix L contains a list of acronyms.

Attachments:

- A. Portland Harbor Sediments Fact Sheet—December 1998
- B. Portland Harbor Sediments Fact Sheet—February 1999
- C. Portland Harbor Sediments Fact Sheet—March 1999
- D. Portland Harbor Meetings/Events List
- E. DEQ Contacts Sheet
- F. DEQ Mail List
- G. Summary Chart of Current Cleanup Sites in Portland Harbor

## H. Web Sites of Interest



## Attachment A: Fact Sheet #2

Oregon Department of Environmental Quality  
December, 1998      Update #2

# Portland Harbor Sediments

A 5.5-mile reach between the southern tip of Sauvie Island and Swan Island, within the Portland Harbor area, comprises the most industrialized segment of the Willamette River. The manufacturing and ship building/repair history there dates back more than a century.

The area now encompasses several active, land-based cleanup projects dealing with site contaminants including wood preservatives, pesticides and metals. Proximity of these sites to the Willamette River naturally led to concerns about impacts on in-river sediments both from known, and suspected or unknown other sources.

In March 1997, the Oregon Department of Environmental Quality (DEQ) and the Environmental Protection Agency (EPA) began a joint study to sample near-shore, in-river sediments.

### Preliminary Study Interpretations

Based on study findings, the agency has formed four preliminary interpretations.

- Data show highly elevated contamination levels in discrete areas;
- Highest contaminant levels occur near existing and pending DEQ cleanup sites;

- Some sampling locations show lower, elevated contamination, but no known sources; and
- Contaminant migration and re-suspension are very limited within the study area.

Sampling results show clear contaminant “spikes” associated with known potential sources, but some lesser spikes do not readily match known sources.

Findings also confirm what has not happened in the area. Sample areas away from known sources tend to show low or non-detect results overall. This lessens concerns about general contaminant migration and re-suspension.

### Current DEQ Actions

The study answers some questions, but also lays out a path of additional needs that must be addressed. DEQ has responded to these and is:

- Continuing cleanup at existing, high-priority sites and incorporate further sediment investigation, including bioassays, into site management plans. These sites include Elf-Atochem, Gasco, Rhone-Poulenc and Willbridge Bulk Terminals;

- Pursuing sediment investigations in emerging cleanup sites including Port of Portland Terminal Four and shipyard, the former Riedel site (now owned by Triangle Properties), U.S. Moorings (Army Corp. or Engineers) and Willamette Cove;
- Planning and initiating site discovery work at other potential contaminant sources. This would include sites with outfalls;
- Operating within a framework considering the harbor-wide ecosystem;
- Continuing and expanding coordination and communication with key stakeholders.

### **Agreement Supports Evaluation**

On November 30, 1998, DEQ signed an agreement with a coalition comprising private and public entities owning property or conducting business within the Portland Harbor area.

The coalition members agreed to fund DEQ work to develop a management plan for evaluation of Portland Harbor contaminated sediments. This work would lay the foundation for identifying contaminant levels requiring future action.

### **Defining DEQ & EPA Roles and Responsibilities**

DEQ is currently discussing with EPA the long-term approach to lower Willamette River contaminant issues. Study findings, and related onshore contaminated site conditions, have lead the federal agency to consider the possibility of placing all or portions of the harbor area on the National Priorities List (NPL) for cleanup (also known as the Superfund Site List).

EPA has delayed convening the Regional Decision Team until May, 1999.

This team would make the determination whether a site or sites within the harbor are National Priority List candidates. EPA agreed to hold off this decision to allow the state-based efforts more time to develop.

DEQ and EPA are currently considering a variety of management options that will maintain state lead on the project yet fulfill the interests of the many stakeholders.

DEQ is confident it can lead cleanup efforts in Portland Harbor through a management plan the agency is currently developing.

The EPA listing process includes:

- Preliminary site assessment/investigation (complete);
- Pre-scoring of findings (complete);
- Meeting of the EPA Regional Decision Team (May, 1999);
- If listing package is prepared it is sent to EPA headquarters for a final listing decision.

### **Requirements for Success**

Success in dealing with Portland Harbor challenges involves several elements. These include:

- Effective public and private partnerships;
- Long-term commitments to cleanup efforts;
- Community-based support and involvement;
- Adequate funding from all parties to support cleanup actions;
- Appropriate allocation of staff and;
- Effective, regular communication among affected and interested parties.

**For More Information**

For more information about the DEQ management approach contact either Mary Wahl at 229-5072, Dick Pedersen at 503-229-5332 or Mike Rosen at 503-229-6712.





## Attachment B: Fact Sheet #3

### *Oregon Department of Environmental Quality*

February 1999

Update #3

# Portland Harbor Sediments

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A 5.5-mile reach between the southern tip of Sauvie Island and Swan Island, within the Portland Harbor area, comprises the most industrialized segment of the Willamette River. The manufacturing and ship building/repair history there dates back more than a century.

The area now encompasses several active, land-based cleanup projects dealing with site contaminants including wood preservatives, pesticides and metals. Proximity of these sites to the Willamette River naturally led to concerns about impacts on in-river sediments both from known, and suspected or unknown other sources.

In March 1997, the Oregon Department of Environmental Quality (DEQ) and the Environmental Protection Agency (EPA) began a joint study to sample near-shore, in-river sediments.

### **Preliminary Study Interpretations**

Based on study findings, DEQ has formed some preliminary interpretations.

- Data show highly elevated contamination levels near existing and pending DEQ cleanup sites;
- Some sampling locations show lower,

elevated contamination, but no known sources; and

- Contaminant migration and re-suspension seem to be limited.

Sampling results show clear contaminant “spikes” associated with known potential sources, but some lesser spikes do not readily match known sources.

Findings also confirm what has not happened in the area. Sample areas away from known sources tend to show low or non-detect results overall. This lessens concerns about general contaminant migration and re-suspension.

### **Current DEQ Actions**

The study answers some questions, but also lays out a path of additional needs that must be addressed. DEQ has responded to these and is:

- Continuing cleanup at existing, high-priority sites and incorporating further sediment investigation, including bioassays, into site management plans;
- Pursuing sediment investigations in emerging cleanup sites;
- Initiating site discovery work throughout the harbor that could discover additional

potential contaminant sources. This would include sites with outfalls;

- Operating within a framework considering the harbor-wide ecosystem;
- Continuing and expanding coordination and communication with key stakeholders.

### **Long Term Approach in Portland Harbor**

DEQ is currently working with EPA, other federal and state agencies, and public and private entities to develop a long-term approach to lower Willamette River sediment contaminant issues.

### **Portland Harbor Sediments Management Plan**

On November 30, 1998, DEQ signed an agreement with the Portland Harbor Group, a coalition of 10 private and public entities owning property or conducting business within the Portland Harbor area.

The Portland Harbor Group agreed to fund DEQ work to develop the Portland Harbor Sediments Management Plan. This plan will provide the framework for evaluating and managing contaminated sediments, and will be the cornerstone of a state-lead approach to cleaning up the harbor.

DEQ, the Portland Harbor Group, and representatives from EPA and other federal and state agencies have been working together to develop the plan, which will address the following issues:

- *How will the risks from contaminated sediments be determined?*
- *What levels of contaminants in the sediments will trigger cleanup?*
- *How will DEQ coordinate the cleanup efforts with EPA and other federal and state agencies?*
- *How will all the stakeholders, including local community groups, be involved as the cleanup*

*work proceeds?*

- *How will cleanups be coordinated with ongoing maintenance and channel deepening dredging activities?*
- *How will new potential sources of contamination be discovered?*
- *How will the work in Portland Harbor be funded?*

A draft of the plan will be available to the public in April 1999. DEQ will also be holding an open house in mid-April to give the public an additional opportunity to provide feedback and input on the plan. If you want to receive a notice of when the plan will be available, or want to know more about the open house, please call Chris Zawlocki, DEQ, at 503-229-5086.

### **DEQ and EPA Roles and Responsibilities**

Study findings, and related onshore contaminated site conditions, have lead the EPA to consider the possibility of placing the harbor area on the National Priorities List (NPL) for cleanup (also known as the Superfund Site List).

EPA has delayed convening the Regional Decision Team until May 1999, when the plan is completed. This team, made up of representatives from EPA, federal natural resource trustees and the state, would make the determination whether the harbor is an NPL candidate. EPA agreed to delay the decision to allow the state to develop the plan. DEQ is confident it can lead cleanup efforts in Portland Harbor. If a listing package is prepared it is sent to EPA headquarters for a final listing decision.

### **Requirements for Success**

Success in Portland Harbor presents many challenges. Oregon is committed to meeting the following challenges as it prepares

and implements the Portland Harbor Sediments Management Plan:

- Effective public and private partnerships;
- Long-term commitments to cleanup efforts;
- Community-based support and involvement;
- Adequate funding from all parties to support cleanup actions;
- Appropriate allocation of staff;
- Effective, regular communication among affected and interested parties; and
- Most importantly, implementing a framework that is based on good science and results in human health and environmental protection

The plan will be completed in May 1999.

**For More Information**

For more information about the DEQ management approach contact either Mary Wahl at 229-5072, Dick Pedersen at 503-229-6345 or Mike Rosen at 503-229-6712



## Attachment C: Fact Sheet #4

### *Oregon Department of Environmental Quality*

March 1999 Update #4

# Portland Harbor Sediments

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A 6-mile reach between the southern tip of Sauvie Island and Swan Island, within the Portland Harbor area, comprises the most industrialized segment of the Willamette River. The manufacturing and ship building/repair history there dates back more than a century.

The area now encompasses several active, land-based cleanup projects dealing with site contaminants including wood preservatives, pesticides and metals. Proximity of these sites to the Willamette River naturally led to concerns about impacts on in-river sediments both from known, and suspected or unknown other sources.

In March 1997, the Oregon Department of Environmental Quality (DEQ) and the Environmental Protection Agency (EPA) began a joint study to sample near-shore, in-river sediments.

### **Preliminary Study Interpretations**

Based on study findings, DEQ has formed some preliminary interpretations.

- Data show highly elevated contamination levels near existing and pending DEQ

cleanup sites;

- Some sampling locations show lower, elevated contamination, but no known sources; and
- Contaminant migration and re-suspension seem to be limited.

Sampling results show clear contaminant “spikes” associated with known potential sources, but some lesser spikes do not readily match known sources.

Findings also confirm what has not happened in the area. Sample areas away from known sources tend to show low or non-detect results overall. This lessens concerns about general contaminant migration and re-suspension.

### **Current DEQ Actions**

The study answers some questions, but also lays out a path of additional needs that must be addressed. DEQ has responded to these and is:

- Continuing cleanup at existing, high-priority sites and incorporating further sediment investigation, including bioassays, into site

- management plans;
- Pursuing sediment investigations in emerging cleanup sites;
- Initiating site discovery work throughout the harbor that could discover additional potential contaminant sources. This would include sites with outfalls;
- Operating within a framework considering the harbor-wide ecosystem;
- Continuing and expanding coordination and communication with key stakeholders.

### **Long Term Approach in Portland Harbor**

DEQ is currently working with EPA, other federal and state agencies, and public and private entities to develop a long-term approach to lower Willamette River sediment contaminant issues.

### **Portland Harbor Sediments Management Plan**

On November 30, 1998, DEQ signed an agreement with the Portland Harbor Group, a coalition of 10 private and public entities owning property or conducting business within the Portland Harbor area.

The Portland Harbor Group agreed to fund DEQ work to develop the Portland Harbor Sediments Management Plan. This plan will provide the framework for evaluating and managing contaminated sediments, and will be the cornerstone of a state-lead approach to cleaning up the harbor.

DEQ, the Portland Harbor Group, and representatives from EPA and other federal and state agencies have been working together to develop the plan, which will address the following issues:

- *How will the risks from contaminated sediments be determined?*
- *What levels of contaminants in the sediments will trigger cleanup?*
- *How will DEQ coordinate the cleanup efforts*

- with EPA and other federal and state agencies?*
- *How will all the stakeholders, including local community groups, be involved as the cleanup work proceeds?*
- *How will cleanups be coordinated with ongoing maintenance and channel deepening dredging activities?*
- *How will new potential sources of contamination be discovered?*
- *How will the work in Portland Harbor be funded?*

A draft of the plan will be available to the public in April 1999. DEQ will also be holding an open house in mid-April to give the public an additional opportunity to provide feedback and input on the plan. If you want to receive a notice of when the plan will be available, or want to know more about the open house, please call Chris Zawlocki, DEQ, at 503-229-5086.

### **DEQ and EPA Roles and Responsibilities**

Study findings, and related onshore contaminated site conditions, have lead the EPA to consider the possibility of placing the harbor area on the National Priorities List (NPL) for cleanup (also known as the Superfund Site List).

EPA has delayed convening the Regional Decision Team until June 1999, when the plan is completed. This team, made up of representatives from EPA, federal natural resource trustees and the state, would make the determination whether the harbor is an NPL candidate. EPA agreed to delay the decision to allow the state to develop the plan. DEQ is confident it can lead cleanup efforts in Portland Harbor. If a listing package is prepared it is sent to EPA headquarters for a final listing decision.

### **Requirements for Success**

Success in Portland Harbor presents many challenges. Oregon is committed to meeting the following challenges as it prepares

and implements the Portland Harbor Sediments Management Plan:

- Effective public and private partnerships;
- Long-term commitments to cleanup efforts;
- Community-based support and involvement;
- Adequate funding from all parties to support cleanup actions;
- Appropriate allocation of staff;
- Effective, regular communication among affected and interested parties; and
- Most importantly, implementing a framework that is based on good science and results in human health and environmental protection

The plan will be completed in June 1999.

**For More Information**

For more information about the DEQ management approach contact either Mary Wahl at 229-5072, Dick Pedersen at 503-229-6345 or Mike Rosen at 503-229-6712

### Attachment D: Portland Harbor Meetings/Events

Date	Meeting/Event	DEQ Attendees
11/16/98	Interagency Meeting	DEQ PH Group
12/1/98	Individual meetings with USFWS & ODFW	Dick Pedersen
12/7/98	Brown bag lunch with Forest Service	Jim Gladson
12/7/98	Meeting with NOAA	Dick Pedersen Kim Cox
12/7/98	Meeting with EPA Region 10: Amber Wong & Kathy Stryker	Dick Pedersen Kim Cox
12/7/98	Meeting with Congressman Blumenauer	Mary Wahl Langdon Marsh Sandy Hart
12/10/98	Meeting with US Army Corps of Engineers (USACE)	Mike Rosen Kim Cox
12/14/98	Meeting with EPA Region 10 Aquatic Resources Office	Bruce Hope
12/15/98	Meeting with representatives from Senator Wyden's Office	Mary Wahl Dick Pedersen
12/22/98	Meeting with Environmental/Community Groups	Mary Wahl Dick Pedersen Mike Rosen
1/6/99	Meeting with Lair Hill Neighborhood Assoc. (RI)	Jennifer Sutter Jim Gladson
1/7/99	Meeting with US Army Corps of Engineers (USACE)	Dick Pedersen Gene Foster Kim Cox
1/7/99	Presentation to the City Club	Dick Pedersen
1/14/99	Presentation to Emergency Communications for Hazardous Operations group (ECHO)	Dick Pedersen
1/15/99	Presentation at POP meeting for environmental groups	Mary Wahl Mike Rosen Kim Cox Chris Zawlocki
1/17/99	Fox Evening News Broadcast on Portland Harbor w/ DEQ & Nina Bell	Dick Pedersen
1/21/99	Press Release on Portland Harbor Management Plan	Jim Gladson
1/22/99	Presentation at Port of Portland meeting for agencies	Dick Pedersen Mike Rosen Chris Zawlocki
2/7/99	Channel 12 News interview	Dick Pedersen
2/16/99	Meeting with Congressman Blumenauer & EPA	Dick Pedersen Mary Wahl
2/16/99	Joint EPA/DEQ meeting with Congressional staffers	Dick Pedersen Mary Wahl Kim Cox
2/18/99	Meeting with PH Group & EPA	Mike Rosen Mary Wahl Kim Cox Chris Zawlocki
2/25/99	Meeting with Willamette Riverkeeper & Environmental Law Ed. Center	Dick Pedersen Mike Rosen Kim Cox

<b>Date</b>	<b>Meeting/Event</b>	<b>DEQ Attendees</b>
3/1/99	Meeting with Urban League	Mike Rosen Chris Zawlocki
3/11/99	Meeting with NW Environmental Advocates	Dick Pedersen
3/3/99	Meeting with Sierra Club	Mike Rosen Kim Cox
3/4/99	Meeting with Gayle Killam	Mike Rosen Chris Zawlocki
3/9/99	Meeting with OEC (Karen Lewotsky)	Mike Rosen Kim Cox
3/9/99	Presentation to OR Chapter of Air & Waste Management Association	Dick Pedersen
3/11/99	Meeting with EJAG	Mike Rosen Chris Zawlocki
3/1/99	Metro Parks and Greenspaces	Jim Gladson
3/99 – 4/99	Meetings with Neighborhood Associations (St. John's, Cathedral Park, Overlook, Linnton)	Chris Zawlocki
3/99	Meeting with Jill Orey and Dale McCullogh at Columbia River Inter-Tribal Fish Commission	Dick Pedersen Kim Cox
4/1/99	Meeting with Governor's Tribal Coordinator	Mike Rosen Kim Cox
4/1/99	Meeting with NW Environmental Defense Center	Mike Rosen Kim Cox
4/2/99	Presentation to Portland Wastewater Treatment Assoc. about River & Watershed Issues	Dick Pedersen
4/7/99	Channel 8 News Interview about PH	Dick Pedersen
4/12/99	Meeting with Brent Walth of The Oregonian	Mike Rosen
4/19/99	Governor Press Conference	Governor, Lang Marsh, Dick Pedersen, Mike Rosen, Sara Bott
4/22/99	Open House for Public	DEQ, PHG, EPA
4/29- 5/12/99	Seven public meetings held by NWEA under DEQ grant	Mike Rosen, Bruce Hope, Jim Gladson, Kim Cox
5/3/99	Meeting with Karen Quigley, Executive Director of Legislative Commission on Indian Services	Kim Cox
5/20/99	Meeting with representatives of Grande Ronde and Siletz Tribe in Salem at Oregon Indian Day	Kim Cox
6/10/99	Meeting with representatives of Grande Ronde Tribe	Mike Rosen Mary Wahl



**Attachment E: DEQ Contacts**



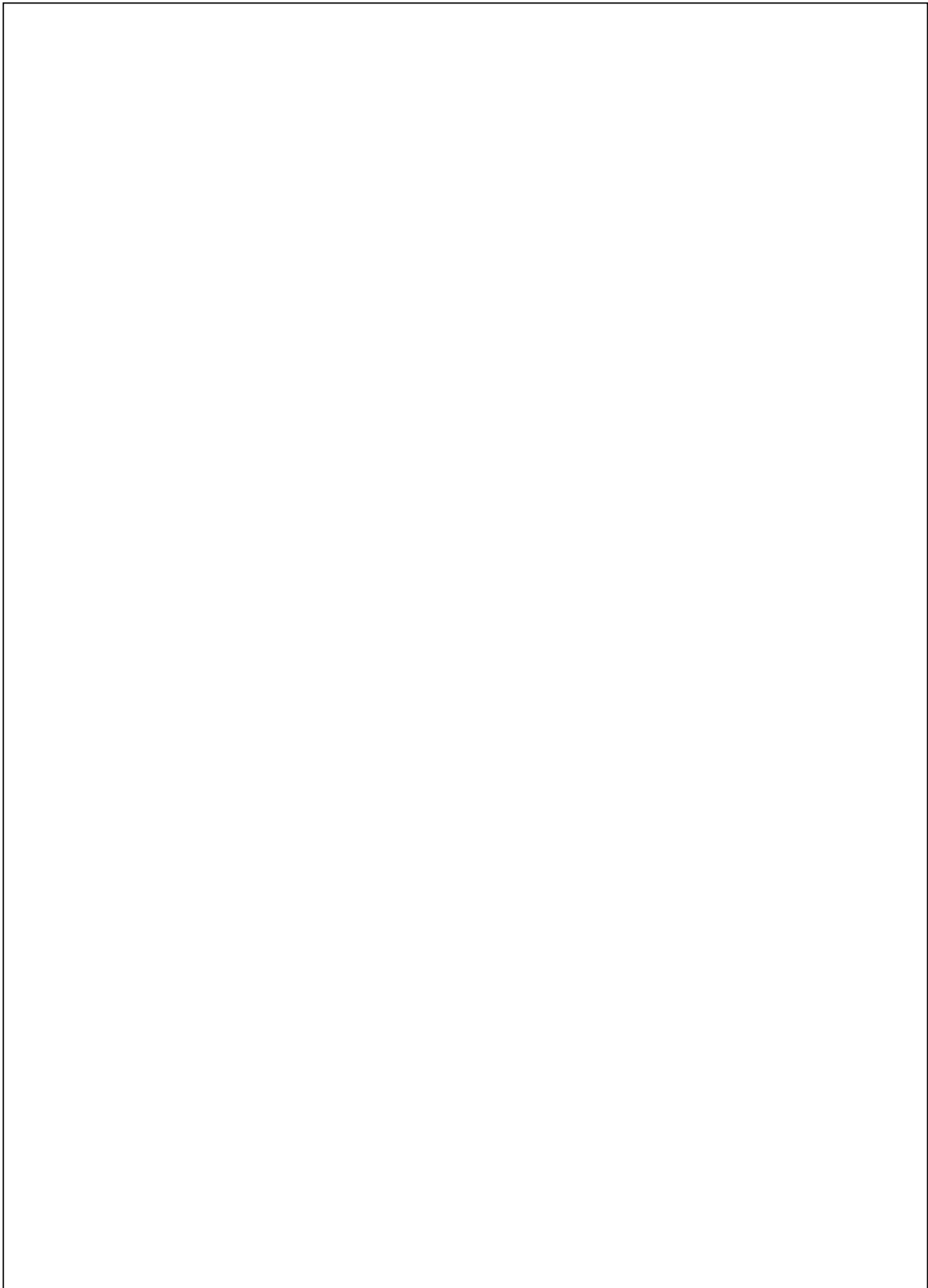
## DEQ Contacts

<u>Name</u>	<u>Title</u>	<u>Phone</u>	<u>Fax</u>	<u>Address</u>
Dick Pedersen	Policy Manager	229-6345	229-6037	811 SW Sixth Ave.
Mike Rosen	Technical Manager	229-6712	229-6899	2020 SW 4th Ave.
Kim Cox	Project Coordinator	229-6590	229-6977	811 SW Sixth Ave.
Bruce Hope	Toxicologist	229-6251	229-5830	811 SW Sixth Ave.
Jennifer Sutter	Site Discovery	229-6148	229-6899	2020 SW 4th Ave.
Eric Blischke	Project Manager	229-5648	229-5830	811 SW Sixth Ave.
Jim Gladson	Media Contact	229-6232	229-6899	2020 SW 4th Ave.
Christine Zawlocki	Community Relations	229-5086	229-6954	811 SW Sixth Ave.
<b>Mary Wahl</b>	<b>Division Administrator</b>	<b>229-5072</b>	<b>229-6977</b>	<b>811 SW Sixth Ave.</b>

DEQ Portland Harbor Web Site:

**<http://www.deq.state.or.us/wmc/cleanup/clean.htm>**

DEQ Email addresses: last name.first name@deq.state.or.us



## Attachment F: Mailing List

### Portland Harbor Interested Parties

ARCO  
Cable, Houston, Benedict, Haagensen & Lloyd  
E. Multnomah Water Conservation District  
IT Corp  
Kinder Morgan Bulk Terminals, Inc.  
Lane, Powell, Spears & Lubersky  
Maritime Fire & Safety Association  
Maul, Foster & Alongi  
Miller, Nash, Wiener & Hager  
Ogden Beeman & Associates, Inc.  
Oregon Graduate Institute of Science and  
Technology  
Oregon Steel Mills  
OSU - Department of Political Science  
OSU - Sea Grant  
OSU - College of Oceanic & Atmospheric  
Science  
OSU - Western Regional Hazardous Substance  
Research Center  
Portland General Electric  
Rhône Poulenc Agriculture Co.  
Schnitzer Steel  
Shaver Transportation  
Skippers for Clean Oregon Waters  
Stoel Rives LLP  
The Portland Rowing Club  
United Soil Recycling  
Waterfront Owners & Operators  
Willamette Restoration Initiative  
Willamette Water Supply Agency  
Zidell Marine Corporation

### Community Groups/Associations

American Business Woman's Association  
Association for Portland Progress  
Chemical Workers Local 109  
Citizens Interested in Bull Run, Inc.  
City Club Growth & Environment  
Coalition of Black Men  
Friends of Oak Bottom  
North-Northeast Business Association  
The Organizing Project  
Physicians for Social Responsibility  
Portland Chamber of Commerce  
Sellwood-Moreland Business Association  
St. John's Business Boosters  
Swan Island Business Association  
Urban League of Portland  
Waterfront Owners  
Western Trade Association  
Willamette Valley Living Forum

### Environmental Groups

Audubon Society of Portland  
Environmental Justice Action Group  
Environmental Law Education Center  
Friends of Smith & Bybee Lakes  
Northwest Steelheaders  
NW Environmental Advocates  
NW Environmental Defense Center  
Oregon Environmental Council  
Oregon Trout  
Sierra Club - Oregon Chapter  
Willamette Riverkeepers

### Other Environmental Groups

1000 Friends of Oregon  
Clackamas River Watershed  
Clean Rivers Co-Op  
Coalition for a Liveable Future  
Columbia Slough Watershed  
Defenders of Wildlife  
Earth Crusaders  
Fans of Fanno Creek  
Friends of Arnold Creek  
Friends of Balch Creek  
Friends of Cedar Springs  
Friends of Central Clear Creek  
Friends of Johnson Creek  
Friends of Retaining Channel  
Greenpeace  
Johnson Creek Watershed  
Metro Parks & Greenspaces  
Natural Resources  
NW Coalition for Alternatives to Pesticides  
Oregon Bass & Panfish  
Oregon League of Conservation Voters  
Oregon Watersheds  
Oregon Wetlands & Waterfowl Assoc.  
Oregonians in Action  
Oregon State Public Interest Research Group  
Pacific Rivers Council  
River Network  
Sauvie Island Conservancy  
Sustainable Portland Commission (SPC)  
Tryon Creek Watershed Council  
Tualatin River Keepers  
Tualatin Watershed Council  
Wildlife Too

### Tribal Contacts

Colombia River Inter-Tribal Fish Commission  
Confed. Tribes & Bands of the Yakama Indian

Nation  
Confed. Tribes of Grande Ronde  
Confed. Tribes of the Siletz Indians  
Confed. Tribes of Umatilla  
Confed. Tribes of Warm Springs

## **Government Agencies & Trustees**

City of Portland Bureau of Planning  
City of Portland Environmental Services  
City of Portland  
City Attorney's Office  
City of Tigard  
Columbia River Estuary Study Task Force  
E. & W. Multnomah Soil & Water Conservation District Board  
Governor's Natural Resources Office  
METRO  
National Marine Fisheries Service (NMFS)  
National Oceanic & Atmospheric Administration (NOAA)  
Office of Neighborhood Involvement  
Oregon Department of Fish & Wildlife  
Oregon Department of Human Resources  
Oregon Department of Justice  
Portland Parks & Recreation  
Portland Wastewater Treatment Assoc.  
Tri-County Metropolitan Transportation District of Oregon  
Unified Sewerage Agency  
U.S. Army Corps of Engineers  
U.S. Department of Interior  
U.S. Fish & Wildlife Service  
U.S. Coast Guard  
U.S. Environmental Protection Agency  
U.S. EPA Oregon Operations Office  
U.S. EPA Region 10

U.S. Geological Survey  
Washington State Dept. of Ecology

## **Elected Officials**

Beck, Chris - State Rep.(D)-Dist. 12  
Blumenauer, Earl - Rep.(D) Oregon-District 3  
Bowman, Jo Ann - State Rep.(D)-Dist. 19  
Brown, Kate - State Senator(D) - Dist. 7  
Burdick, Ginny - State Senator(D) - Dist. 6  
Carter, Margaret - State Rep.(D)-Dist. 18  
Cruz, Serena - County Commissioner-Dist. 2  
Fahey, Mike - State Rep.(D)-Dist. 17  
Gordly, Avel - State Senator(D) - Dist. 10  
Katz, Vera – Mayor - Portland  
Kitzhaber, John - Governor - Oregon  
Leonard, Randy - State Senator(D) - Dist. 9  
Lewis, Leslie – State Rep.(R)-Dist. 29  
Chair-Environ. & Energy Committee  
Linn, Diane – County Commissioner-Dist. 1  
Richardson, Ann - Rep.(D) Oregon - District 1  
Sheilds, Frank - State Rep.(D)-Dist. 16  
Smith, Gordon - Sen.(R)-Oregon  
Washington, Ed - MetroCouncilor-Dist. 5  
Wilde, Thomas - State Senator(D) - Dist. 8  
Wyden, Ron - Sen.(D)-Oregon

## **Libraries**

Banks Public Library  
Beaverton City Library  
Belmont Library  
Capitol Hill Library  
Cedar Mill Community Library  
Clackamas Corner Library  
Cornelius Public Library  
Damascus Safeway Store  
Forest Grove City Library

Garden Home Community Library  
Gregory Heights Library  
Gresham Library  
Hillsboro Public Library  
Hillsdale Library  
Holgate Library  
Hollywood Library  
Hoodland Station  
Hoodland Community Center  
Linnton Community Center  
Midland Library  
Multnomah County Central Library  
Oak Lodge Library  
Oregon State Library  
Sellwood-Moreland Library  
Sherwood Public Library  
St. Johns Library  
Tanasbourne Branch  
Hillsboro Public Library  
Tigard Public Library  
Title Wave Used Books  
Tualatin Public Library  
University Park Community Center  
West Slope Community Library

## **Media Contacts**

Between the Rivers  
Cascadia Times  
El Hispanic News  
Freshwater Boating News  
Latino De Hoy  
Northwest Examiner  
Oregon Insider  
St. John's Review  
Statesman Journal  
The Asian Reporter  
The Hayden Island Connection  
The Oregonian

The Sellwood Bee  
The Skanner  
The Willamette River Calendar & Mag.  
Willamette Week

### **Portland Harbor Area Neighborhood Associations**

Arbor Lodge Neighborhood Assoc.  
Bridgeton Neighborhood Assoc.  
Brooklyn Action Corps  
Buckman Community Assoc.  
Community Assoc. of Portsmouth  
Corbett-Terwilliger-Lair Hill Neigh. Assoc.  
Downtown Community Assoc.  
Eliot Neighborhood Assoc.  
Forest Park Neighborhood Assoc.  
Friends of Cathedral Park Neigh. Assoc.  
Hayden Island Neighborhood Network  
Humboldt Neighborhood Assoc.  
Kerns Neighborhood Assoc.  
King Neighborhood Assoc.  
Linnton Neighborhood Assoc.  
Lower Albina Council  
North Portland Neighborhood Office (NPNO)  
Northwest Industrial Neighborhood Assoc..  
Northwest Triangl Indust. Neighb. Assoc.  
Overlook Neighborhood Assoc.  
Sellwood-Moreland Assoc.  
St. John's Neighborhood Assoc.  
University Park Neighborhood Assoc.

### **Other Neighborhood Associations**

Alameda Community Assoc.  
Alliance of Portland Neighborhood Business

Associations  
Ardenwald/Johnson Creek Neigh. Assoc.  
Argay Neighborhood Assoc.  
Arlington Heights Neighborhood Assoc.  
Arnold Creek Neighborhood Assoc.  
Ashcreek Neigh. Assoc.  
Beaumont-Wilshire Neigh. Assoc.  
Boise Neighborhood Assoc.  
Brentwood/Darlington Neigh. Assoc.  
Bridlemile Neighborhood Assoc.  
Centennial Neighborhood Assoc.  
Center Neighborhood Assoc.  
Central Northeast Neighbors (CNN)  
Collins View Neighborhood Assoc.  
Concordia Neighborhood Assoc.  
Creston-Kenilworth Neigh. Assoc.  
Crestwood Neighborhood Assoc.  
Cully Assoc. of Neighborhoods  
East Columbia Neighborhood Assoc.  
East Portland Neighborhood Office (EPNO)  
Eastmoreland Neighborhood Assoc.  
Far Southwest Neighborhood Assoc.  
Foster-Powell Neighborhood Assoc.  
Glenfair Neighborhood Assoc.  
Goose Hollow Foothills League  
Grant Park Neighborhood Assoc.  
Hayhurst Neighborhood Assoc.  
Hazelwood Neighborhood Assoc.  
Healy Heights Neighborhood Assoc.  
Hillsdale Neighborhood Assoc.  
Hillside Neighborhood Assoc.  
Hollywood Neighborhood Assoc.  
Homestead Neighborhood Assoc.  
Hosford-Abernethy Neighborhood Dev.  
Irvington Community Assoc.  
Kenton Neighborhood Assoc.  
Laurelhurst Neighborhood Assoc.  
Lents Neighborhood Assoc.  
Lloyd District Community Assoc.

Madison South Neighborhood Assoc.  
Maplewood Neighborhood Asooc.  
Markham Neighborhood Assoc.  
Marshall Park Neighborhood Assoc.  
Mill Park Neighborhood Assoc.  
Montavilla Community Assoc.  
Mt. Scott-Arleta Neighborhood Assoc.  
Mt. Tabor Neighborhood Assoc.  
Multnomah Neighborhood Assoc.  
Neighbors West/Northwest (W/NW)  
Northeast Coalition of Neighborhoods (NECN)  
Northwest District Assoc.  
Northwest Heights Neighborhood Assoc.  
Old Town/Chinatown Neighborhood Assoc.  
Parkrose Assoc. of Neighbors  
Parkrose Heights Assoc. of Neighbors  
Pearl District Neighborhood Assoc.  
Piedmont Neighborhood Assoc.  
Pleasant Valley Neighborhood Assoc.  
Powellhurst-Gilbert Neighborhood Assoc.  
Reed Neighborhood Assoc.  
Richmond Neighborhood Assoc.  
Rose City Park Neighborhood Assoc.  
Roseway Neighborhood Assoc.  
Russell Neighborhood Assoc.  
Sabin Community Assoc.  
South Burlingame Neighborhood Assoc.  
South Tabor Neighborhood Assoc.  
Southeast Uplift Neighborhood Program  
(SEUL)  
Southwest Hills Residential League  
Southwest Neighborhoods, Inc. (SWNI)  
Sullivan's Gulch Neighborhood Assoc.  
Sumner Assoc. of Neighbors  
Sunderland Neighborhood Assoc.  
Sunnyside Neighborhood Assoc.  
Sylvan-Highlands Neighborhood Assoc.

## **Portland Harbor Group**

Anchor Environmental  
Ater Wynne  
Cascade General Corp.  
Chevron  
Chevron Products Co.  
Chevron Research & Technology Co.  
City of Portland BES  
City of Portland - City Attorney's Office  
Elf Atochem of North America  
Exponent  
GATX  
Gunderson Marine Inc.  
Heller Ehrman  
Landau Associates  
NW Natural  
Port of Portland  
Stoel Rives/NW Natural  
Striplin Environmental Assoc.  
Time Oil  
Tosco

## **Consultants & Contractors**

AGRA Earth & Environmental, Inc.  
American International Co.

Avocet Consulting  
Black Helterline, LLP  
CH2M Hill  
Cogan, Owens & Cogan  
Columbia Analytical Services, Inc.  
Dames & Moore  
Ecology & Environment, Inc.  
ENSR Consulting & Engineering, Inc.  
Entrix  
EnviroIssues  
EVS Environmental Consultants  
Foster Wheeler Environmental  
Geo Resources  
George D. Ward & Consultants  
Hahn & Associates, Inc..  
Hart-Crowser  
Harza Engineering  
Heritage Consulting Group  
Kleinfelder, Inc.  
Landau Associates, Inc.  
Marcom  
MEC-Analytical Systems  
Parametrix, Inc.  
PNG Environmental, Inc.  
URS Greiner

## **DEQ PHSMP Personnel**

Blischke, Eric

Cox, Kim E.  
Gardner, Sara  
Gladson, Jim  
Hope, Bruce K.  
Knight, Bill  
Pedersen, Dick  
Pender, Neel  
Rosen, Michael E.  
Sutter, Jennifer  
Wahl, Mary  
Zawlocki, Christine

## **DEQ Interested Personnel & Intra-Agency Contacts**

Anderson, Mike  
Hosaka, Terry  
Marsh, Langdon  
Mason, William  
Monroe, Sheila  
Mullane, Neil  
Nelson, Kerri  
Puent, Sally  
Slyman, Paul  
St. Louis, Dave

### Attachment G: Summary Chart of Current Cleanup Sites

Site Name	Historic Activities	Known Contaminants	Work Completed	Current Study Phase	Remaining Work
<b>GATX Terminal</b>	Bulk oil storage facility.	Benzene, xylene.	Soil removal and petroleum product recovery from leaking subsurface diesel pipeline; removal of LUST on the Linnton Planning property.	Site investigation; sampling of the monitoring well.	Strategy recommendation is being prepared by site assessment program, risk assessment.
<b>Willamette Cove</b>	Lumber/plywood mill, barrel manufacturer and ship repair facility.	Metals, including tributyltin, PAHs, PCPs.	Limited soil and groundwater characterization.	Site investigation.	Remediation efforts to address contamination from original site activities; additional evaluation of PAHs, PCP, metals, and tributyltin; Metro plans to preserve the area as an undeveloped greenspace.
<b>U.S. Moorings</b>	Maintenance port for Corps of Engineers vessels.	PAHs, pesticides, metals, including tributyltin.	Limited sediment sampling in the Willamette River.	Waiting list; characterization of sediments.	Remedial investigations.
<b>Riedel</b>	Wood treatment facility; ship building; electrical power generation; manufacturing; storage; ironworks.	PAHs, PCBs, TBT, TPH, VOCs, metals.	Conduct a baseline survey for sediments.	Remedial investigation; work plan in review. DEQ reviewing draft RI work plan.	Perform a RI/FS for soils; perform any remedial action for soil contamination selected by DEQ. State follow-up planned, sediment risk assessment.
<b>Port of Portland Terminal 4</b>	Diesel loading area for Union Pacific Railroad mineral bulk storage and ship loading and off loading.	Petroleum products, metals, PAHs	Work plan for RI complete for Terminal 4; soil sampling; installation and sampling of groundwater monitoring wells; sediment sampling for chemical analysis and bioassays.	Interim action: bioslurping to prevent seeps to the river, remedial investigation report.	Completion of RI/FS by December 1999.
<b>Gasco</b>	Oil gasification plant; currently a liquefied natural gas storage facility.	By-products from oil gasification process.	Phase one of RI finished March 1996; sediment characterization; site models for human health and ecological risk; Land and Water Use report; data analysis report submitted October 1998.	Regular riverbank inspections and posting of signs along the river - Pilot study - pumping wells, RI.	Additional characterization; Phase II RI work in 1999, feasibility study.
<b>Gunderson</b>	Manufactures and refurbishes rail cars; manufactures barges.	Metals, PCBs, TCA, toluene.	Soil and groundwater investigation; vapor extraction system constructed to remediate soil contamination from UST; RI/FS complete; decommissioning of above ground TCA tank.	Soil remediation using vapor extraction system; investigation of TCA in groundwater.	Remediation of TCA plumes in the aquifer migrating offsite, RI/FS for metals and PCBs.

Site Name	Historic Activities	Known Contaminants	Work Completed	Current Study Phase	Remaining Work
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**Attachment G: Summary of Sites Currently in the Cleanup Process (continued)**

Site Name	Historic Activities	Known Contaminants	Work Completed	Current Study Phase	Remaining Work
<b>Elf Atochem</b>	Prior owner manufactured DDT (1947-1954).	DDT, DDD, DDE, chlorobenzene,	Remedial investigation, including sampling of soil and groundwater in former DDT manufacturing area and sampling of sediment in Willamette River.	Remedial investigation.	Assess soil, groundwater, stormwater, sediment data collected between 9/98-2/99; evaluation of interim remedial options; additional sediment and groundwater characterization.
<b>Portland Shipyard</b>	Airport, ship construction/repair, and ancillary industrial activities.	Petroleum products, TPH, PCBs, TBT, metals, PAH's.	Characterization of sediments and some upland portions of the site, including bioassays. Removal of 250,000 cubic yards of sediment through maintenance dredging and 1,500 cubic yards of soil through removal actions, implementation of best management and pollution prevention practices.	Remedial investigation.	Complete RI/FS for upland and sediments; continue to control sources through implementation of best management and pollution prevention practices.
<b>Time Oil</b>	Petroleum products storage terminal, formulation of PCP-containing products.	PCP	Identification of soil contamination; construction of slurry bioreactor to treat soils; soil excavation; removal and stockpiling on-site of over 3000 cubic yards of PCP-contaminated soil; removal of 100 drums containing soil and debris for off-site disposal.	Remedial investigation; conducting treatability studies on the soil; analysis of soil; continuing groundwater investigation; quarterly groundwater sampling.	Complete plans for soil stockpile treatment and disposal; complete groundwater investigation; complete risk assessment.
<b>Willbridge Bulk Fuel Area</b>	Contain 3 bulk fuel facilities (Chevron, Tosco, GATX); asphalt production.	Petroleum hydrocarbons.	Engineering controls and active product recovery via wells and trenching; groundwater sampling.	Remedial investigation; groundwater monitoring and soil and sediments sampling to better delineate extent of contamination.	Complete RI by August 1999; completion of FS by 2000.
<b>Arco Bulk Terminal</b>	Tank storage (gasoline, diesel, lube oil, additives).	Petroleum products to greater than 10 feet in depth in onsite monitoring wells.	Characterization of sediments.	Remedial investigation; 800' concrete retaining wall, interceptor wells along base of sea wall, and extraction wells in property operating.	Consent order between ARCO and DEQ by end of 1999.
<b>Rhone Poulenc</b>	Pesticide production.	Pesticides.	Characterization of contamination; pump and treat of groundwater; removal of contaminated sediments from East Doane Lake.	Remedial investigation.	Complete RI/FS.



Site Name	Historic Activities	Known Contaminants	Work Completed	Current Study Phase	Remaining Work
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**Attachment G: Summary of Sites Currently in the Cleanup Process (continued)**

Site Name	Historic Activities	Known Contaminants	Work Completed	Current Study Phase	Remaining Work
<b>Mobil Oil</b>	Bulk storage, dispensing of fuel oils and gasoline.	Petroleum products; sludge from above-ground storage tanks.	Recovery wells and a slurry wall have been constructed along the river.	Remedial action; construction of remedial soil vapor extraction and sparging wells began in 2/99.	Recovery of free petroleum product in shallow aquifer; completion of oil vapor extraction and sparging wells; operation of cutoff wall system to contain plumes.
<b>Gould Inc.</b>	Lead smelting facility, lead-acid battery recycling, zinc alloying and casting.	Battery castings and matte; lead in soils, surface water and sediments.	Excavation and treatment of 24,000 tons of battery castings; stabilization of contaminated soils and matte.	Remedial design activities related to OCF construction; remedial action.	Construction of on-site containment facility by October 1999, inspection, maintenance, and monitoring plan.
<b>Linnton Oil Fire Training Grounds</b>	Right of way for high tension power lines, oil fire training facility.	Petroleum hydrocarbons, chlorinated solvents.	5000 cubic yards of petroleum contaminated soils treated on the site. RI/FS/RD/RA.	Operation and maintenance; thermal desorption; biodegradation; disposal of treated soils; institutional controls to prevent exposure to contamination.	Inspection, Maintenance, and Monitoring Plan will be prepared in 1999 to scope future site remedy activities.
<b>McCormick &amp; Baxter</b>	Wood Treatment	Creosote, pentachlorophenol, arsenic, copper, chromium, zinc.	Plant demolition, sludge and soil removal, extraction of creosote from groundwater aquifers; pilot-scale groundwater treatment systems.	Remedial investigation.	Full implementation of groundwater remedy; soil remedy will be off-site treatment; sediment capping.

**Attachment H: Web Addresses for Agencies listed in the Portland Harbor Sediment Management Plan**

Agency Name	Web Address
Oregon Department of Environmental Quality	<a href="http://www.deq.state.or.us">www.deq.state.or.us</a>
Oregon Department of Fish & Wildlife	<a href="http://www.dfw.state.or.us">www.dfw.state.or.us</a>
Oregon Department of Water Resources	<a href="http://www.wrd.state.or.us">www.wrd.state.or.us</a>
Division of State Lands	<a href="http://statelands.dsl.state.or.us">statelands.dsl.state.or.us</a>
City of Portland	<a href="http://www.ci.portland.or.us">www.ci.portland.or.us</a>
Metro	<a href="http://www.multnomah.lib.or.us/metro">www.multnomah.lib.or.us/metro</a>
Port of Portland	<a href="http://www.portofportlandor.com">www.portofportlandor.com</a>
Bonneville Power Administration	<a href="http://www.bpa.gov">www.bpa.gov</a>
National Oceanic Atmospheric Administration	<a href="http://www.noaa.gov">www.noaa.gov</a>
National Marine Fishery Service	<a href="http://www.nmfs.gov">www.nmfs.gov</a>
U.S. Environmental Protection Agency	<a href="http://www.epa.gov">www.epa.gov</a>
U.S. Fish & Wildlife Service	<a href="http://www.fws.gov">www.fws.gov</a>
U.S. Geological Survey	<a href="http://www.usgs.gov">www.usgs.gov</a>
U.S. Army Corps of Engineers	<a href="http://www.usace.army.mil">www.usace.army.mil</a>

**A list of sites on DEQ's Environmental Cleanup Site Information (ECSI) System can be obtained at:**

**[www.deq.state.or.us/wmc/cleanup/ecsintro.htm](http://www.deq.state.or.us/wmc/cleanup/ecsintro.htm)**

**Web Addresses for documents referenced in Portland Harbor Sediment Management Plan:**

Oregon Administrative Rules (OAR)	<a href="http://arcweb.sos.state.or.us">http://arcweb.sos.state.or.us</a>
Oregon Revised Statutes (ORS)	<a href="http://landru.leg.state.or.us/ors">http://landru.leg.state.or.us/ors</a>
Environmental Cleanup Law (ORS 465-200)	<a href="http://landru.leg.state.or.us/ors">http://landru.leg.state.or.us/ors</a>

Summaries and Full Text of the following documents can be obtained from the EPA homepage at:

[www.epa.gov/epahome/rules.html](http://www.epa.gov/epahome/rules.html):

Clean Water Act (CWA)  
 Code of Federal Regulations (CFR) Title 40: Protection of the Environment  
 Comprehensive Environmental Response, Compensation & Liability Act (CERCLA)  
 Endangered Species Act (ESA)  
 Resource Conservation & Recovery Act (RCRA)  
 Superfund Amendments and Reauthorization Act (SARA)

Additional Information on Superfund, The National Contingency Plan (NCP) and The National Priorities List (NPL) can be found at:

[www.epa.gov/superfund](http://www.epa.gov/superfund)