

# USN Jackson Park



## Amended legal document outlining investigation and cleanup available for public review & comment

The Washington State Department of Ecology (Ecology) has prepared this fact sheet pursuant to the Model Toxics Control Act, Chapter 70.105D RCW, to provide you with information about a proposed investigation and cleanup at the USN Jackson Park site.

You are welcome and encouraged to comment on the Enforcement Order (the legal document that outlines the investigation, cleanup, and their schedules) through April 26, 2002. If substantive comments are received, the Enforcement Order will be revised to include those comments.

### Site location

The USN Jackson Park Superfund site, also known as the Jackson Park Housing Complex/Naval Hospital Bremerton, is located approximately two miles northwest of Bremerton, on the west shore of Ostrich Bay. It is bordered to the north by the community of Erlands Point, to the west by State Route 3, and to the south by an undeveloped wooded area owned by the city of Bremerton.

In 1904, the US Navy built an ammunition depot on the property. The operations expanded during World War I to include ammunition manufacturing and processing, projectile loading and cleaning, and ammunition disassembly. These activities increased during World War II. After the war, however, emphasis was placed on ammunition disassembly.

By 1959, the depot was no longer needed, and portions of the site were deeded to Kitsap County, the city of Bremerton, and Washington State. Roughly 10 years later, the Navy tore down most of the depot structures and converted a large portion of the site into residential use—what is now Jackson Park Housing Complex. In 1980, Naval Hospital Bremerton was built at the north end of the site.

During the 1980s, the Navy conducted studies and concluded that the historical activities mentioned above had contaminated the site. In 1992, Ecology issued an Enforcement Order to the Navy to investigate the site.

The Enforcement Order now available for public review and comment is an amended version of the 1992 Order. It outlines monitoring and cleanup to be implemented and outlines the planned investigation of abandoned ammunition in upland and marine areas of the site.

### Site background

### March 2002

Public comment period for investigation and cleanup:

March 29, 2002, through April 26, 2002

#### MAILING ADDRESS

Toxics Cleanup Program  
Department of Ecology  
P.O. Box 47600  
Olympia WA 98504-7600

Written comments should be sent to:

Christopher Maurer,  
Site Manager, at the Ecology  
mailing address listed above or by  
voice (360) 407-7223 or e-mail  
[cmiau461@ecy.wa.gov](mailto:cmiau461@ecy.wa.gov).

#### Information Repositories

Department of Ecology  
300 Desmond Drive SE  
Lacey

The Enforcement Order is available on the Internet at

<http://www.ecy.wa.gov/programs/tcp/sites/sites.html>

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## Sources of contamination

The contamination to the site's soil, ground water, surface water, and sediments is due to several contributing factors including:

- *Several areas were used to dispose excess ammunition materials and waste.*
- *Burn sites were used for disposing ammunition and other wastes.*
- *Petroleum product leaked from underground storage tanks.*

- *Construction debris and shell casings were used as fill materials to expand the shoreline.*
- *Chemical wastes were stored in tanks for treatment/disposal and flushed into Ostrich Bay.*

## The contamination

Chemicals found at the site include petroleum product, benzene, volatile organic compounds, cyanide, pesticides, metals, semi-volatile organic compounds, pentachlorophenol, and polynuclear aromatic hydrocarbons.

## The cleanup and what's required under the amended Enforcement Order

In 1995, the USN Jackson Park was administratively divided into two sites: Operable Unit 1 and Operable Unit 2. Operable Unit 3 was added in 2000.

### Operable Unit 1

This area addresses the upland portion of the site. Human health risks, including risks from eating shellfish, are included.

In April 1998, the Remedial Investigation/Feasibility Study was completed for Operable Unit 1. The Record of Decision, which describes the selected cleanup for the site, was completed in August 2000. The cleanup, anticipated to be done this year, includes the following:

- Constructing a soil cover to prevent human exposure to contaminants of concern in surface soil;
- Conducting limited soil excavation to prevent human exposure to contaminants of concern in surface soil;
- Stabilizing the shoreline to prevent transport of contaminants of concern from soil to the marine environment;
- Providing institutional controls to allow excavation only under controlled conditions and to prevent residential development at one part of the site;
- Monitoring ground water;
- Further investigation of ground water where contamination was confirmed;
- Implementing institutional controls to prevent construction of drinking water wells;
- Removing pilings to eliminate a potential source of contamination already found in some shellfish from Ostrich Bay;
- Implementing institutional controls consisting of potential restrictions on shellfish harvesting to limit human exposure to contaminants of concern;
- Sampling and monitoring shellfish to better define potential human health risks associated with contaminants of concern and to determine the need for harvest restrictions

The amended Enforcement Order describes the deliverables and their due dates the Navy must submit to Ecology to monitor the cleanup. They are:

- A. Schedule for completion of selected remedial actions
- B. Operation & Maintenance Plan
- C. Compliance Monitoring Plan
- D. Institutional Control Measures Plan

## Operable Unit 2

This area addresses the marine environment and addresses any ecological risks to the marine environment.

In July 1998, the Remedial Investigation/Feasibility Study was completed for Operable Unit 2. Although a cleanup remedy has not yet been selected, alternatives for cleaning up the site include the following:

- No action – requires no cleanup or monitoring of sediments;
- Natural recovery – requires sediment monitoring to determine whether and at what rate the contamination is naturally attenuating through unassisted processes;
- Enhanced natural recovery – requires placement of a thin layer of sand or clean native material over sediment areas where contamination exceeds state standards or hot spots having the highest contaminant concentrations above state standards and long-term monitoring;
- Sediment capping – requires placement of a thick or native material cap over areas where contamination exceeds state standards and long-term monitoring.

The amended Enforcement Order requires the Navy to complete the following:

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|--|---|
| A. Cleanup Action Plan or Proposed Plan/Record of Decision | D. If required, Compliance Monitoring Plan          |
| B. Schedule for completion of selection remedial actions   | E. If required, Institutional Control Measures Plan |
| C. If required, Operation & Maintenance Plan               |   |

## Operable Unit 3

This area addresses the risks associated with abandoned ammunition on the entire site, upland and marine environment. This area has not been investigated yet. The amended Enforcement Order requires the Navy to complete the following:

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|--|---|
| A. Site Investigation                                      | F. Schedule for completion of selected remedial actions |
| B. Remedial Investigation Work Plan                        | G. If required, Operation & Maintenance Plan            |
| C. Remedial Investigation                                  | H. If required, Compliance Monitoring Plan              |
| D. Feasibility Study                                       | I. If required, Institutional Control Measures Plan     |
| E. Cleanup Action Plan or Proposed Plan/Record of Decision |   |

## Comments accepted through April 26, 2002

*Should you have comments after reading the Enforcement Order, please send them to Christopher Maurer, Site Manager, Department of Ecology, PO Box 47600, Olympia WA 98504-7600, (360) 407-7223, e-mail [cmau461@ecy.wa.gov](mailto:cmau461@ecy.wa.gov). If substantive comments are received, the Enforcement Order will be revised to include those comments.*

