

# UNOCAL Edmonds Bulk Fuel Terminal

## Notice of Public Comment Period



### Public Comment on Interim Action, Supplemental Remedial Investigation, and Feasibility Study Work Plans

**Public Comment Period:  
June 11 through July 11, 2001**

Public comment is currently sought on interim actions to be performed at the UNOCAL Edmonds Bulk Fuel Terminal beginning this summer. Supplemental investigations on the nature and extent of contamination also will be performed and a feasibility study of alternative proposals for final cleanup of the site will be done between now and Spring 2002. April 2002 is the target date for a public comment period on the reports describing contamination and evaluations of cleanup alternatives. These reports make up the site Remedial Investigation/Feasibility Study, which will later be used by the Washington State Department of Ecology (Ecology) to select the final cleanup actions.

Ecology will propose the cleanup actions to be selected in a draft Cleanup Action Plan. Ecology anticipates seeking public comment on this draft Plan in Summer 2003. After consideration of public comment and modification of the proposed actions, if appropriate, Ecology will issue a final Cleanup Action Plan for the site.

Engineering design documents will be prepared after the final Cleanup Action Plan is issued. Implementation of final cleanup actions is anticipated to begin in the 2004 construction season. An implementation schedule will be included with the Cleanup Action Plan.

### Site Background

The UNOCAL Edmonds Bulk Fuel Terminal operated from 1923 to 1991 (see location map). The facility was primarily used for storing, blending and distributing various petroleum products, including gasoline, diesel, and bunker fuel. An asphalt plant was also operated on UNOCAL's property between 1953 and the late 1970s. Fuel has not been received by the facility since 1991.

The current UNOCAL facility consists of an Upper and Lower Yard (see attached site map). The Lower Yard includes truck-loading racks, office buildings, a former laboratory and asphalt plant area. The Upper Yard is on the eastern hillside and includes 23 empty aboveground storage tanks. During the course of more than 60 years of operation, petroleum releases occurred at the UNOCAL facility. Petroleum contamination now exists in the soil on the

### June 2001

#### PUBLIC COMMENT PERIOD

June 11 through July 11, 2001

#### PUBLIC MEETING

June 20, 2001, 6:00 – 9:00 PM  
Edmonds City Hall  
121 5th Avenue North – 3<sup>rd</sup> Floor  
Open House 6:00 – 7:00 PM  
Questions & Answers 7:00 – 9:00 PM  
(Map on page 4)

#### SEND WRITTEN COMMENTS TO:

David L. South, Site Manager  
Department of Ecology  
3190 160<sup>th</sup> Ave. SE  
Bellevue WA 98008  
(425) 649-7200  
dsou461@ecy.wa.gov

#### INFORMATION REPOSITORIES

**Documents can be reviewed at the following locations:**

Edmonds Public Library  
650 Main Street  
Edmonds, WA

Mountlake Terrace Public Library  
23300 58<sup>th</sup> Avenue West  
Mountlake Terrace, WA

Lynnwood Public Library  
19200 44<sup>th</sup> Avenue West  
Lynnwood, WA

Department of Ecology  
3190 160<sup>th</sup> Avenue SE  
Bellevue WA 98008  
Call Sally Perkins at (425) 649-7190

For special accommodation needs or language translation assistance, call Rebekah Padgett, Ecology's Public Involvement Specialist at (425) 649-7257, or (425) 649-4259 (TDD).

Ecology is an equal opportunity and affirmative action agency.

UNOCAL property and has been detected floating on the groundwater beneath the property.

The primary environmental issues at the site are:

- (1) Upper Yard – shallow soil is contaminated with petroleum and sand blast grit. The sand blast grit was used to clean the exterior of tanks and piping prior to repainting and contains heavy metals such as arsenic, lead and zinc. The projected future land use for the Upper Yard is residential.
- (2) Lower Yard – migration of petroleum from contaminated soil to groundwater and potentially then to surface water, as well as transport of petroleum from areas where floating product occurs on groundwater. The Lower Yard also has areas of sand blast grit in surface soil. The projected future land use for the Lower Yard is commercial/light industrial.

The site is being cleaned up by UNOCAL with oversight by Ecology. In addition, the Edmonds Citizens Awareness Committee (ECAC), the City of Edmonds, and the Port of Edmonds are participating in review of the work. UNOCAL, ECAC, the City, the Port, and Ecology meet regularly to discuss progress and upcoming cleanup steps.

The cleanup is being conducted under a legal agreement between UNOCAL and Ecology known as an Agreed Order. The Agreed Order requires that the nature and extent of contamination be delineated and feasible alternatives for addressing the contamination developed and evaluated. This work is known collectively as a Remedial Investigation/Feasibility Study (RI/FS).

UNOCAL has completed most of the work required for the Remedial Investigation. This work is reported in the *Draft Remedial Investigation Report – UNOCAL Edmonds Bulk Fuel Terminal*, which is available for review in the Information Repositories listed on page 1.

Also available for review are three additional work plans:

- A work plan for conducting Interim Actions which will begin to address cleanup of some portions of the site;
- The Supplemental Remedial Investigation Work Plan (a work plan for follow-up work); and
- A work plan for conducting the Feasibility Study

## Interim Action Plan

Interim actions are planned to clean up some areas of the site that can be addressed immediately:

- Three of the six floating product plumes on site will be excavated and the floating product removed,
- Sand blast grit and associated surface soil will be removed, and
- Contaminated soil in the Upper Yard will be cleaned up after the fuel storage tanks in the Upper Yard have been removed.

Permitting requirements are included in appendices to the Interim Action Work Plan. These include local permit requirements: City of Edmonds Critical Areas Checklist, City of Edmonds Grade and Fill Permit, City of Edmonds Demolition Permits, City of Edmonds Hot Work Permit, and Puget Sound Air Quality Authority. Also included are (1) permit requirements for discharge of stormwater and of water produced in association with cleanup work and (2) the State Environmental Policy Act Environmental Checklist.

The stormwater discharge permit requirements fulfill the substantive requirements of the National Pollutant Discharge Elimination System.

Also included is Ecology's Determination of Nonsignificance for the adverse environmental impacts of the Interim Actions. The determination is that an Environmental Impact Statement is not required for the Interim Actions.

The primary adverse impact related to the Interim Actions is truck traffic. This will be addressed by a traffic control plan. Petroleum odors may be generated during the work. Air monitoring and dust control measures will be performed.

Interim actions will begin in July or August of 2001 with excavation of the floating product plumes in the Lower Yard. The bulk fuel storage tanks will be removed in the Summer and Fall of 2001. Cleanup of the Upper Yard and sand blast grit will occur in the Summer of 2002.

## Supplemental Remedial Investigation Work Plan

Fieldwork for the remedial investigations was conducted between 1994 and 1996. The Supplemental Remedial Investigation Work Plan provides for follow up investigations to supplement work conducted to date. There are several tasks:

1. Additional groundwater sampling will be conducted to provide data on current site conditions.
2. Additional soil data will be collected in the Upper Yard. UNOCAL will be removing the tanks from the Upper Yard this Fall. The additional soil data will be collected after demolition exposes the areas under the tanks.
3. Testing will be conducted to develop petroleum hydrocarbon cleanup levels for surface water to protect fish and other aquatic life.
4. The concentration above which petroleum hydrocarbons are expected to freely drain from the soil to the groundwater ("residual saturation") will be evaluated using site-specific data such as the site's soil characteristics. This evaluation is one of several steps in setting soil cleanup levels for the site.
5. UNOCAL will determine whether site conditions may pose a risk to the terrestrial environment, whereby an ecological evaluation must be performed.
6. Figures will be prepared to support evaluation of feasible alternatives to address site contamination.

## Feasibility Study Work Plan

A work plan describing how the Feasibility Study will be prepared is available for review in the information repositories; it includes a draft report outline. The Feasibility Study has three basic components: identification of regulatory requirements which the cleanup must meet; assessment of the technologies which can be used to clean up the contamination and development of a number of alternative plans using various combinations of the technologies; and assessment of the alternatives with respect to how well each will clean up the site.

After completion of the Feasibility Study and consideration of public comment, Ecology will select the cleanup actions to be taken. This selection will be documented in a Cleanup Action Plan (also be subject to public comment).

## SEPA Scoping

Public input is sought on concerns regarding implementation of the overall cleanup of the site.

### Your Comments Are Needed

Ecology is holding a 30-day public comment period during which you may review the Remedial Investigation Report and the Interim Action, Supplemental Remedial Investigation, and Feasibility Study Work Plans.

## Public Meeting

A public meeting will be held on June 20, 2001, at the Edmonds City Hall, 3<sup>rd</sup> Floor. The meeting will begin with an open house from 6:00 – 7:00 p.m. The open house will include displays and documents for review, and Staff from Ecology and UNOCAL will be available to answer questions.

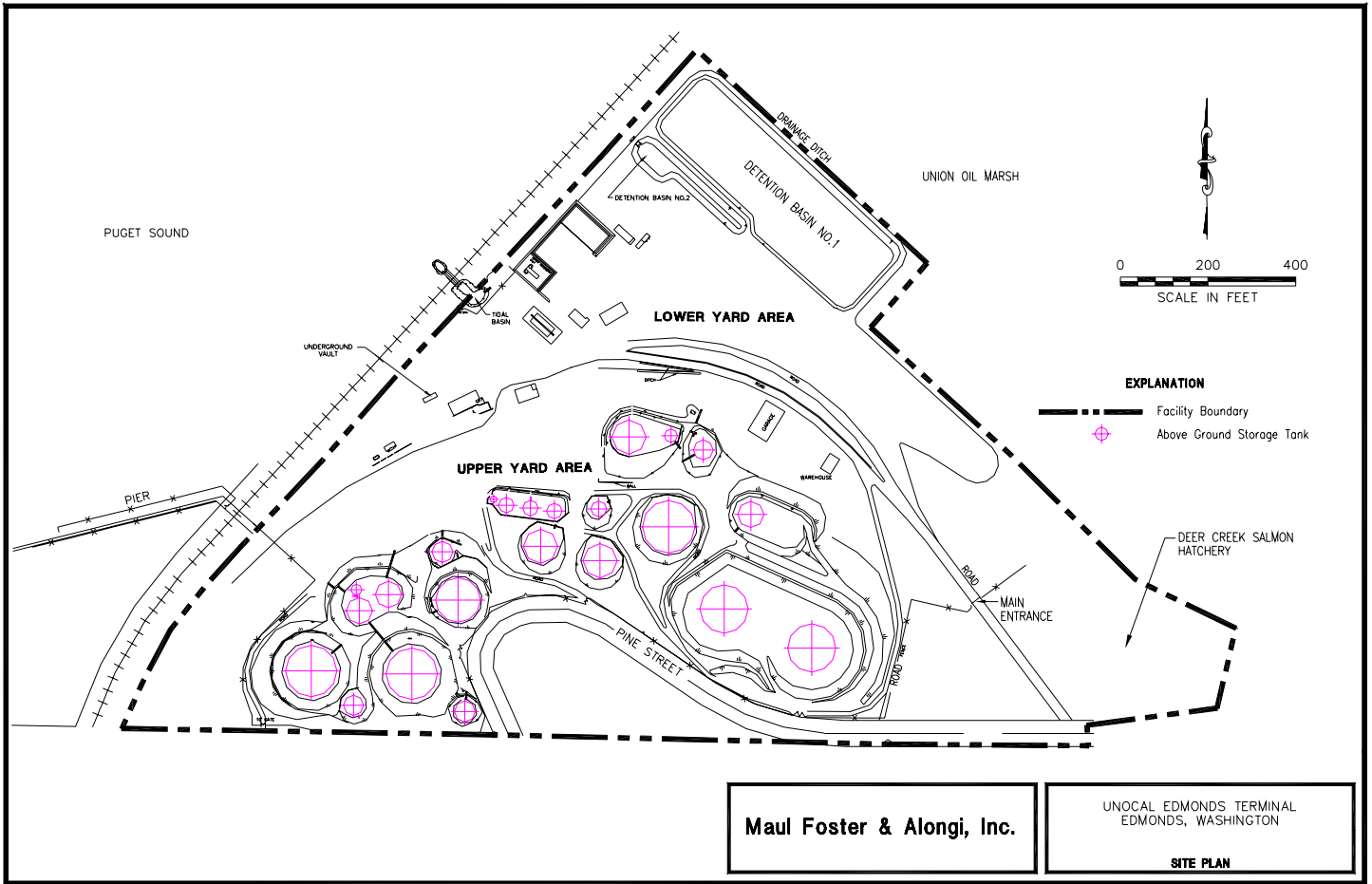
At 7:00 p.m., Ecology staff will give a brief presentation, followed by a question and answer session. Written comment forms will be available throughout the public meeting.

### FOR MORE INFORMATION:

**David L. South**, Ecology Site Manager  
Department of Ecology  
3190 160<sup>th</sup> Avenue SE  
Bellevue, WA 98008  
(425) 649-7200  
dsou461@ecy.wa.gov

**Mark Brearley**  
UNOCAL Corporation  
P.O. Box 2004  
Edmonds, WA 98020  
(425) 640-7610  
mbrearily@unocal.com

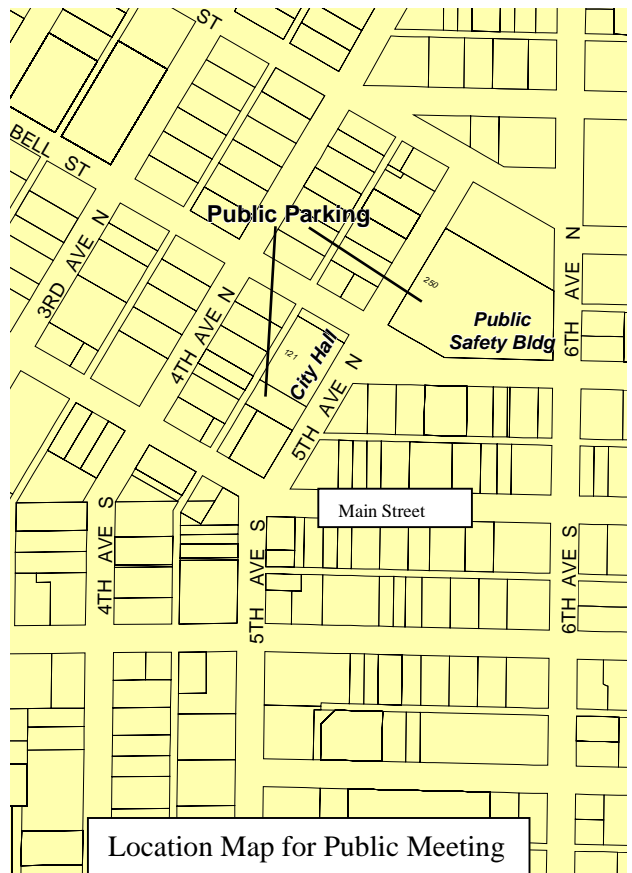
**Frances Murphy**  
Edmonds Citizens Awareness Committee  
5804A 168<sup>th</sup> SW  
Lynnwood, WA 98037  
(425) 743-3339  
murphybl@firstworld.net



Site Map: UNOCAL Edmonds Terminal



UNOCAL EDMONDS TERMINAL  
EDMONDS, WASHINGTON  
Site Location Map



Location Map for Public Meeting