



Fact Sheet

Lilyblad Site

The Cleanup Action Plan, Enforcement Order, and SEPA Determination of Non-Significance

The Washington Department of Ecology (Ecology) prepared a Cleanup Action Plan (CAP) for the Lilyblad Site. The draft CAP meets the requirements of the Model Toxics Control Act, Chapter 70.105D RCW. The CAP identifies the preferred cleanup method and specifies cleanup standards and other site requirements.

Ecology will also issue an Enforcement Order for the implementation of the final CAP. The Enforcement Order is an administrative order Ecology issues to the site's potentially liable parties to speed up the cleanup.

Ecology will also prepare a State Environmental Policy Act (SEPA) determination of non-significance (DNS) for the issuance of the CAP. This DNS states that the cleanup under this CAP will not have a significant adverse impact on the environment.

Ecology is publishing the draft CAP, Enforcement Order, and DNS for public comment. We will provide two public comment periods:

- July 3, 2007 through August 3, 2007 - Cleanup Action Plan and Enforcement Order.
- July 3, 2007 through July 18, 2007 - SEPA Determination of Non-significance.

We included information about where to find copies of the draft CAP, Enforcement Order, and SEPA DNS in the box at the right.

Read copies of the Cleanup Action Plan, Enforcement Order, and SEPA DNS at:

Industrial Section
Department of Ecology
300 Desmond Drive SE
Lacey, WA 98503

http://www.ecy.wa.gov/programs/tcp/sites/lilyblad/lilybladl_hp.htm

Tacoma Public Library Main Branch
1102 Tacoma Ave South
Tacoma, WA 98402
(253) 591-5666

Citizens for a Healthy Bay
917 Pacific Avenue, Suite 406
Tacoma, WA 98402
(253) 383-2429

Public comment period for Cleanup Action Plan and Enforcement Order

July 3, 2007 through August 3, 2007

Public comment period for SEPA DNS

July 3, 2007 through July 18, 2007

Send written comments to:

Ha Tran
Department of Ecology
P O Box 47706
Olympia, WA 98504-7600

Phone: (360) 407-6064
Fax: (360) 407-6102 fax
Email: htra461@ecy.wa.gov

Site Background

The Lilyblad property is located at 2244 Port of Tacoma Road on a 1.98-acre parcel, within the Tacoma Tide Flats industrial area. The site itself consists of the Lilyblad property and parts of the Port of Tacoma Road, PW Eagle, Nelson, and the Saul properties.

In 1972, Lilyblad Petroleum Inc. (Lilyblad) started operating as a distributor of gasoline, diesel, solvents, chemicals, and packaged petroleum products. Lilyblad also engaged in blending waste fuel and recycling spent solvents and other dangerous wastes. In 1983, Lilyblad partnered with Sol-Pro to recycle and reclaim chlorinated and non-chlorinated solvents. Sol-Pro was the main operator until 1988, when the partnership ended and Sol-Pro moved the recycling unit offsite.

Dangerous waste handling and recycling on the property resulted in releases of hazardous substances to the soil and groundwater. Ecology found the site to be a threat to human health and the environment and named Lilyblad and Sol-Pro potentially liable persons.

In 2003, Lilyblad sold its assets and operations to Pacific Functional Fluids, LLC. M&G Holdings currently owns the property. Lilyblad is no longer in business.

What is found at the Site?

Ecology identified 23 constituents of concern (COCs) at the site. The organic compounds, semi-volatile organic compounds, and total petroleum hydrocarbons. The COCs resulted from chemical releases which have been documented since 1984. These releases occurred due to the petroleum handling and recycling practices on the Lilyblad property.

Ecology defined the nature and extent of contamination at the site using several remedial investigation reports. The *Supplemental Remedial Investigation Report* in 2004 confirmed the contamination had reached a depth of about 8 feet. The COCs also entered groundwater and spread to parts of the Port of Tacoma Road and the PW Eagle, Nelson, and Saul properties. Ecology defined the site by the extent of the contamination (see Attachment A).

What is the Agreed Order?

The Agreed Order is a legally binding order which describes the site activities required by Ecology and agreed upon by the potentially liable persons.

Ecology, Lilyblad, and Sol-Pro signed the Agreed Order No. DE 95HS-S292 in October 1995. The Order required Lilyblad and Sol-Pro to conduct the remedial investigation (RI), feasibility study (FS), and cleanup action plan (CAP) for the site. Lilyblad said it has agreed to protect Sol-Pro from liabilities. In October 2000, Ecology amended the Order to require Lilyblad to block groundwater flowing off the Lilyblad property as an interim action. Ecology also required remediation on neighboring properties, which will clean up contaminated soils on neighboring properties. Lilyblad treated the extracted vapor and groundwater to meet the substantive provisions of the air and water quality permits.

Ecology issued the second amendment to the Order in 2006. The amendment reassigned the preparation of the FS and the CAP to Ecology. Ecology's consultant completed the focused FS on January 2007. The FS evaluates four cleanup options for the site. Ecology prepared the draft CAP based on the constituents found in the FS.

What's been done so far?

If you need this publication in an alternate format, please call the Industrial Section at (360) 407-6900. Persons with hearing loss can call 711 for Washington Relay Service. Persons with a speech disability can call 877-833-6341.

Lilyblad began interim action at the site in 2002. Lilyblad's consultant installed and operated trenches to help stop contaminated groundwater from flowing off the Lilyblad property. A series of multiphase extraction (MPE) wells treated the back lot of PW Eagle's property. Lilyblad's consultant connected the trenches and wells to the vapor and groundwater extraction and treatment systems.

Ecology approved the pilot study of in-situ treatment technology in 2003 and the shut down of the containment trenches in March 2006. The six-month pilot test began in three areas on the property. Ecology also approved the continuation of onsite treatment in the pilot test and former-MPE areas. Under Ecology's direction, Lilyblad shut down the treatment in March 2006.

Lilyblad currently conducts groundwater monitoring twice a year. The monitoring includes measuring the groundwater level at 11 wells to determine the groundwater flow direction throughout the site.

What happens next?

Following the public comment period, Ecology will issue a final Cleanup Action Plan and make a final SEPA determination. Ecology will then issue the Enforcement Order requiring the liable persons to carry out the final cleanup action at the site.

In the Cleanup Action Plan, Ecology selects onsite treatment technology to actively treat the soil and groundwater contaminants. Based on the existing site data, our consultant predicted that cleanup should be completed after 6 years of operation.

In-situ treatment consists of three phases: dual vacuum extraction (DVE), bioremediation, and chemical oxidation. Dual vacuum extraction wells draw vapor and groundwater from the subsurface.

Bioremediation adds nutrients to the soil to help microorganisms consume the hydrocarbons. And, during the chemical oxidation phase, chemicals injected into the soil will oxidize the chlorinated compounds. The vapor and groundwater treatment systems will remove the contaminants from the groundwater after the groundwater has been extracted the subsurface. The treatment must meet the requirements of the water and air quality permits issued by Ecology and the Puget Sound Clean Air Agency, respectively.

Ecology Wants Your Comments

Ecology invites you to read and comment on the draft Cleanup Action Plan and proposed Enforcement Order from July 3, 2007 through August 3, 2007. Ecology also welcomes your comments about our SEPA determination from July 3, 2007 through July 18, 2007. The public comment period is an opportunity to offer your ideas and concerns to Ecology's decision-makers.

PUBLIC COMMENT REQUESTED

We used several mailing lists. If you receive a duplicate, please pass it on.

To read additional documents used as bases for the Cleanup Plan, Order, and SEPA decision, make an appointment to visit Ecology's Industrial Section office. Phone our public disclosure coordinator in Lacey; call Kathy Vermillion at (360) 407-6916.

De
<S
PO
Oly
Department of Ecology
SWFAP - Industrial Section
300 Desmond Drive SE
Lacey, WA 98503

Send comments to Ha Tran at the Ecology address listed on page one. Ecology will evaluate and respond to public comments end date(s). We will revise the documents, if necessary.

If you need this publication in an alternate format, please call the Industrial Section at (360) 407-6900. Persons with hearing loss can call 711 for Washington Relay Service. Persons with a speech disability can call 877-833-6341.

