

LILYBLAD PETROLEUM, INC. SITE INTERIM REMEDIAL ACTIONS



The Washington Department of Ecology is proposing to approve two work plans for Interim Remedial Actions at the Lilyblad Petroleum Inc. facility (Site) located in the Port of Tacoma, Pierce County, Washington. Lilyblad Petroleum Inc (Lilyblad) and Sol-Pro, Inc. (Sol-Pro) owned and/or operated businesses at the facility, and are referred to as the Potentially Liable Persons (PLPs) for the Site.

The proposed Interim Remedial Actions would be conducted under the authority of the Model Toxics Control Act (MTCA), Chapter 70.105D RCW. Contaminated groundwater currently flowing from the Site onto adjacent properties would be captured, treated, and discharged to the City of Tacoma storm drain. Some contaminated soils at the Site and adjacent PW Pipe facility would be excavated. A soil vapor extraction (SVE) system would also be installed on the PW Pipe property to reduce contaminant concentrations in additional soils.

The contamination is the result of historical releases of hazardous substances at the facility since operations began in 1972. The releases included total petroleum hydrocarbons and volatile and semi-volatile organic compounds. In 1995, Ecology determined these releases at the Site pose a threat to

human health and the environment and notified Lilyblad and Sol-Pro of their status as PLPs.

In November 1999, the PLPs drafted the first work plan for Interim Remedial Actions at the Site and submitted it to Ecology. Ecology reviewed the plan and provided comments to the PLPs for incorporation into a revised work plan. The PLPs responded with the submittal of two separate work plans for Interim Remedial Actions at the Site. Ecology reviewed the plans and forwarded additional comments to the PLPs. The PLPs subsequently submitted several iterations of the plans, which Ecology reviewed and provided comments. The PLPs have now incorporated all of Ecology's comments into Final Work Plans for Interim Actions, which Ecology is proposing to approve.

Ecology invites the public to review and comment on the following documents:

- *"Lilyblad Petroleum Facility Interim Action Final Work Plan,"* dated January 18, 2001
- *"PW Pipe Facility Interim Action Final Work Plan,"* dated January 18, 2001

Public comments will be accepted January 26 through February 27, 2001.

FACT SHEET: JANUARY 2001

Facility ID WAD 027543032

REPOSITORIES:

**Department of Ecology
SW Regional Office
300 Desmond Drive SE
P.O. Box 47775
Olympia, WA 98504-7775
(360) 407-6300 (voice)
(360) 407-6306 (TDD)**

**Citizens for a Healthy Bay
917 Pacific Avenue Suite 406
Tacoma, WA 98402-4421
(253) 383-2429**

**Tacoma Public Library
Main Branch
1102 Tacoma Ave South
Tacoma, WA 98402-2006
(253) 591-5666**

Questions and submission of written comments:

**Mr. Keith Stoffel
Department of Ecology
Hazardous Waste and Toxics
Reduction Program
4601 N. Monroe
Spokane, WA 99205-1295
(509) 456-3176 or 1-800-826-7716
e-mail: ksto461@ecy.wa.gov**

Please include name/address on comments so response may be provided.

**Mailing List contact:
Carol Bergin
1-800-826-7716 or
(509) 456-6360
e-mail cabc461@ecy.wa.gov**

**PUBLIC COMMENT PERIOD:
JANUARY 26 THROUGH
FEBRUARY 27, 2001.**

The box on page one provides information for review of reports and where to submit written comments.

SITE BACKGROUND

The Lilyblad Petroleum, Inc. property is located at 2244 Port of Tacoma Road on a 1.98-acre parcel in the Port of Tacoma (Figure 1). In 1972, Lilyblad began operating as a distributor of gasoline, diesel, solvents, chemicals, and packaged petroleum products. Lilyblad also engaged in waste fuel blending and recycled spent solvents and other dangerous wastes.

In 1983, Lilyblad entered into a joint venture with Sol-Pro to recycle and reclaim solvents and other chlorinated and non-chlorinated solvents. Sol-Pro was the principal operator until 1988 when the joint venture was dissolved and the recycling unit was removed from the Site and taken to another Sol-Pro facility. Lilyblad is currently the sole owner and operator of the facility.

REMEDIAL INVESTIGATION/FEASIBILITY STUDY (RI/FS)

Ecology, Lilyblad, and Sol-Pro entered into Agreed Order No. DE 95HS-S292 in October 1995. The Order required the PLPs to conduct a Remedial Investigation and Feasibility Study (RI/FS). The Remedial Investigation defines the nature and extent of contamination in soils and groundwater at the Site, and the Feasibility Study identifies and evaluates cleanup options. Evaluation of potential risks to human health and the environment, and the development

of a draft Cleanup Action Plan are also part of the Order.

On October 29, 1999, the PLPs submitted to Ecology "*Remedial Investigation Report, Revision 1*," which documents the results of the Remedial Investigation. Data presented in the report verifies the lateral and vertical extent of soil and groundwater contamination at the Lilyblad Site (Figure 2).

A "*Preliminary Draft Interim Action Report*" was submitted to Ecology in early November 1999. A State Environmental Policy Act (SEPA) checklist for FS pilot studies and proposed interim actions was also submitted. Ecology reviewed the SEPA checklist and determined that the proposed actions would not have a probable adverse impact on the environment. A Determination of Non-significance (DNS) was issued in November 1999 for the proposed actions, and a SEPA DNS public notice was sent out. No comments were received during the 30-day public notice period. Ecology then determined that the DNS was final and that the PLPs would not be required to prepare an Environmental Impact Statement for the proposed actions.

FIRST AMENDMENT TO AGREED ORDER

In August 2000, Ecology drafted a First Amendment to Agreed Order No. DE 95HS-S292, which required the PLPs to design and implement interim actions to remediate contaminated soil and groundwater at the Site.

Ecology published a public notice of the Department's intent to issue the amendment and solicited public comments on the proposed action. No comments were received during the 30-day public notice period. Therefore, Ecology issued the First Amendment to the Agreed Order, effective October 10, 2000.

INTERIM REMEDIAL ACTIONS

Based on the results of the Remedial Investigation, Ecology has concluded interim remedial actions are necessary. The following determinations have been made:

- Hazardous substances released at the Lilyblad facility are moving from the Lilyblad property onto adjacent properties;
- The movement of these substances off-site poses a threat to human health and the environment;
- Interim remedial actions are necessary to stop the releases;
- Interim remedial actions should include interception of contaminated groundwater that is currently flowing offsite;
- Remediation of soils and groundwater on some adjacent properties that have been contaminated by releases from Lilyblad should be conducted;
- Remediation technologies employed should include excavation of the contaminated soils with subsequent treatment and/or disposal at an appropriate facility, or in situ treatment of contaminated soils; and

- Interim actions on adjacent properties should achieve Method B soil and groundwater cleanup levels established in MTCA (Chapter 173-340 WAC).

In the final interim remedial action work plans submitted to Ecology, the PLPs have proposed the following:

- To construct a pair of groundwater interceptor trenches that will intercept contaminated groundwater flowing off the Lilyblad property;
- To pump the contaminated water to an on-site treatment system;
- To discharge the treated water to the City of Tacoma storm drain; and
- To construct and operate a soil vapor extraction system that will reduce contaminant concentrations in soil and groundwater in a portion of the PW Pipe facility, which borders the Lilyblad facility to the south.

SUBSTANTIVE PROVISIONS OF NPDES AND NOTICE OF CONSTRUCTION

Contaminated groundwater and soil vapors that are pumped to the on-site treatment system will be treated to remove all contaminants of concern. As required by MTCA (RCW 70.105D.090), the treatment system must comply with the substantive provisions of Chapters 70.94, 70.95, 70.105, 75.20, 90.48 and 90.58 RCW and the substantive provisions of any laws requiring or authorizing local government permits or approvals.

Ecology determined that the proposed treatment system must meet the substantive provisions of a National Pollutant Discharge Elimination System (NPDES) water quality permit issued by Ecology. The treatment system must also meet the substantive provisions of a Notice of Construction air quality permit issued by the Puget Sound Clean Air Agency. The substantive provisions of these permits are included as enforceable attachments to the First Amendment of Agreed Order No. DE 95HS-S292.

WHAT HAPPENS NEXT?

The PLPs will implement the two interim remedial action plans in accordance with a schedule approved by Ecology, to satisfy the MTCA interim remedial action requirements.

Concurrent with implementation of the interim remedial actions, the PLPs will continue to conduct a Feasibility Study at the Site. Upon completion of the FS, the PLPs will submit a Feasibility Study Technical Report. The Report will identify, screen, and evaluate remedial measures that could be implemented at the Site to stop risks to human health and the environment. It will also identify cleanup action alternatives capable of meeting MTCA cleanup standards and all applicable or relevant and appropriate requirements.

HOW CAN I BE INVOLVED?

Review the following documents:

- *"Lilyblad Petroleum Facility Interim Action Final Work Plan,"* dated January 18, 2001
- *"PW Pipe Facility Interim Action Final Work Plan,"* dated January 18, 2001

Copies are available for public review at the repositories listed in the shaded box on page one. To review more detailed Site documents than those in the information repositories, contact the Southwest Regional Office Central Files at (360) 407-6366.

Send in your written comments: January 26 through February 27, 2001 to:

Mr. Keith Stoffel, Site Manager (see box on page one for details).

Share this information with any individuals or groups you think should be informed about the Site.

Ecology will review and respond to all written comments received and will revise the documents, if necessary. If significant public comments are received, a Responsiveness Summary will be prepared by Ecology and made available at the repositories.