

# PASCO BULK FUEL TERMINALS SITE

## (formerly Port of Pasco)

### DRAFT ENGINEERING DESIGN REPORT

### and DRAFT COMPLIANCE MONITORING PLAN



The Washington State Department of Ecology has received the Draft Engineering Design Report and Draft Compliance Monitoring Plan required for cleanup of the Pasco Bulk Fuel Terminals Site. The Site is located on the north bank of the Columbia River in the southeastern part of the City of Pasco, Franklin County, Washington (Figures 1 and 2).

The Draft Engineering Design Report describes the methods and approaches to accomplish the cleanup of ground water and soils at the Site. The Draft Compliance Monitoring Plan specifies sampling and monitoring to be performed during and after implementation of the cleanup action. These documents were required as part of the Consent Decree between Ecology and the Potentially Liable Parties (PLPs) and promote Site cleanup under authority of the Model Toxics Control Act (MTCA), Chapter 70.105D RCW.

The PLPs include Crowley Maritime Corporation; the Port of Pasco; Tidewater Bargelines, Inc.; Piute Energy and Transportation Company; Doyle Brothers, Inc.; Conoco, Inc.; U.S. Army Corps of Engineers; Burlington Northern Railroad Company; McCall Oil & Chemical Corporation; Great Western Chemical Company; and Thomas Kidwell and Henry Kidwell. The Army Corps of

Engineers did not enter into the agreement with Ecology to conduct the cleanup.

**Ecology invites the public to review and comment on the Draft Engineering Design Report and Draft Compliance Monitoring Plan. Public comments will be accepted January 19 through February 20, 2001.** The box at the right provides information on where to review the documents and how to submit written comments.

#### **SITE BACKGROUND**

A large portion of the Site is owned by the Port of Pasco (the Port) and was used as a petroleum storage and distribution facility from the 1940s until 1992. Other industrial uses at the Site include storage of agricultural chemicals, soil fumigants, and fertilizers. In September 1992, most of the operating storage tanks were emptied of petroleum products and agricultural chemicals, and tanks not owned by the Port were removed. All remaining tanks at this main distribution facility were demolished in 1999. A grain terminal, a truck wash area, a pallet rebuilding business, a truck garage, and an electrical substation are some of the active facilities on-site. The Site lies behind dikes maintained by the U.S. Army

#### **FACT SHEET: JANUARY 2001**

**REPOSITORIES:**  
Department of Ecology  
Eastern Regional Office  
4601 N. Monroe  
Spokane, WA 99205-1295

Mid-Columbia Library  
Pasco Branch  
1320 West Hopkins Street  
Pasco, WA 99301-5097

#### **Questions or submission of written comments contact:**

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**PUBLIC COMMENT  
PERIOD: January 19  
through February 20, 2001.**

Corps of Engineers (COE). Other COE facilities on the Site include two dewatering wells located within a cutoff wall surrounding the grain terminal facility, and a 42-inch diameter interceptor drain located on the southern portion of the Site for dewatering the area behind the dikes. Water in the interceptor drain flows by gravity to an outlet approximately 1500 feet west of the former tank farm, where an oil/water separator has been installed. The treated water is then discharged to an open ditch that empties into a COE collection pond. The COE periodically pumps the water from the pond into the Columbia River.

Oil films on water discharging from the interceptor drain to the collection pond have been observed from time to time since the 1950s. Various investigations conducted at the Site have identified petroleum and volatile organic compounds (VOCs) contamination in soils and ground water with free petroleum product floating on ground water.

The PLPs were issued an Enforcement Order in 1992 which required them to conduct interim actions to mitigate the risks at the Site. The Order also required a Remedial Investigation (RI) and Feasibility Study (FS) to define the nature and extent of Site contamination and to evaluate appropriate cleanup alternatives. Interim actions at the Site began in 1993 and included free product recovery, and the evaluation and abatement of risks posed by the free product in a basement sump of a family residence and in utility manholes.

The RI, conducted from 1993 to 1995, confirmed that petroleum contamination was widely distributed in subsurface soils, dissolved in ground water in the shallow aquifer, and as a free phase on top of the water table. Chlorinated volatile organic compounds (cVOCs) including perchloroethylene (PCE), trichloroethylene (TCE), and 1,2-dichloropropane (1,2-DCP) were also found in soils and ground water. Petroleum and cVOCs were also detected in the ditch immediately downstream of the oil/water separator.

Cleanup alternatives for ground water and soils were analyzed in the FS Report to determine the most appropriate combination for the Site. The recommended alternative involves free-phase product recovery; ground water collection and treatment; in-situ and ex-situ remediation of soils; and, in-situ ground water remediation.

Ecology prepared a Draft Cleanup Action Plan (DCAP) in 1998. After public comment, a Final CAP (FCAP) was issued in March 1999 and amended in August 2000. The cleanup action includes: in-situ treatment of site soils by soil vapor extraction (SVE) in combination with In-Situ Air Sparging (IAS) to treat ground water and soils; additional treatment of soils by bioremediation after SVE, if necessary; treatment of ground water discharging to the ditch to meet Site cleanup levels; and institutional controls. A Consent Decree to implement the amended FCAP became effective in August 2000.

## WHAT HAPPENS NEXT?

Ecology will review and respond to all written comments received, and will revise the documents, if necessary. A Responsiveness Summary will be prepared by Ecology, if applicable, and made available at the repositories. Implementation of the cleanup action will proceed according to the schedule provided in the Engineering Design Report.

## HOW CAN I BE INVOLVED?

### ◆ **REVIEW the Draft Engineering Design Report and Draft Compliance Monitoring Plan**

The Site documents at the Mid-Columbia Library/Pasco Branch are available any time during regular library hours. To review documents at Ecology in Spokane, contact Johnnie Harris at (509) 456-2751 to schedule an appointment. Reviews may be scheduled for Monday through Thursday, 8-5 p.m. by appointment.

### ◆ **Send in your written comments January 19 through February 20, 2001 to:**

Dr. Teresita Bala at Ecology (see box on page one for details).

### ◆ **SHARE THIS INFORMATION with any individuals or groups you think are interested in the Site.**