



Department of  
Toxic Substances  
Control

*Preventing  
environmental  
damage from  
hazardous waste,  
and restoring  
contaminated  
sites for all  
Californians.*



State of California



California  
Environmental  
Protection Agency

Fact Sheet, December 2006

## **Chevron El Segundo Refinery Requests Renewal of Hazardous Waste Facility Permit**

The Department of Toxic Substance Control (DTSC) invites you to comment on the Draft Hazardous Waste Facility Part B Permit Renewal for the Chevron El Segundo Refinery, located at 324 W. El Segundo Blvd., El Segundo, California 90245. The Draft Permit will allow the temporary storage of hazardous waste for up to one year prior to off-site recycling, treatment, or disposal. The draft permit will also allow treatment of hazardous waste in the facility, and will allow the facility to continue its current storage and treatment operation.

The DTSC is part of the California Environmental Protection Agency (Cal/EPA) that regulates the generation, storage, treatment, and disposal of hazardous waste in California. DTSC's permitting oversight helps to protect the environment in the community by ensuring the safety of storage and waste treatment operations at this major oil refinery.

### **This fact sheet provides information about:**

- Permit History
- Facility Background
- Facility Safety Measures
- California Environmental Quality Act
- Where to Find the Documents

### **PUBLIC COMMENT PERIOD DECEMBER 14, 2006 TO FEBRUARY 13, 2007**

A 60-day public comment period will be held for the Draft Part B Permit Renewal Application. The usual 45-day comment period will be extended to allow additional response time during the holiday season. We will consider and respond to all public comments before making a final decision on this permit renewal. Written comments must be postmarked or e-mailed no later than February 13, 2007. Please send your comments to: Mr. Richard Allen, DTSC Project Manager, 1011 N. Grandview Ave., Glendale, CA 91201 or [rallen2@dtsc.ca.gov](mailto:rallen2@dtsc.ca.gov).

### **PUBLIC HEARING**

DTSC will hold a public hearing to explain this draft permit and listen to your comments:

**Tuesday, January 23, 2007; 6 p.m.  
El Segundo Public Library  
111 W. Mariposa Street, El Segundo, California**

*Para información en español por favor comuníquese con: Sr. Ricardo González, al  
(818) 551-2966.*



## Permit History

Chevron Products Company (Chevron) El Segundo Refinery has operated this permitted facility since 1987 to store and treat hazardous waste generated at the refinery, and to perform post-closure care of a closed land farm (former waste treatment area).

Requirements for operating the hazardous waste facility are contained in Chevron's Hazardous Waste Facility Permit. The DTSC oversees the permitting process and is responsible for ensuring compliance with all state and federal waste regulations.

Every 10 years, a permitted facility must apply to the DTSC to renew its hazardous waste permit. Chevron submitted an application for renewal in March 2005. The permit renewal application includes information about the waste facility, types of waste handled, procedures to store and/or treat waste, and a closure plan. It also includes post-closure care requirements such as monitoring frequency.

Changes in this renewal application include only minor administrative changes such as staffing changes and new telephone numbers. Also, there are minor changes in the post-closure care (monitoring) of the Landfarm.

DTSC has reviewed the permit renewal application, known as a "Part B Permit Renewal Application," and declared that it is technically complete. After the public comment period ends for the Draft Permit, DTSC will consider and respond to all comments received before making a final decision on this permit renewal.

## Facility Background

### *El Segundo Refinery*

The Chevron refinery is located in El Segundo, California, in Los Angeles County. The refinery is located on the Santa Monica Bay between two residential communities, El Segundo and Manhattan Beach. The refinery is on approximately 1,000 acres of land, bordered on the west by the Pacific Ocean, on the east by Sepulveda Boulevard, on the north by El Segundo Boulevard, and on the south by Rosecrans Avenue. A map of the refinery is shown below.

Construction of the El Segundo Refinery began in 1911. The original facility produced kerosene from crude oil. Over the years, asphalt, fuel oil, gasoline, diesel, and aviation fuel were added to the product line. Process units have been added throughout the refinery's history to increase volume and improve production efficiency. The major refinery processes are distillation, hydrotreating, catalytic reforming, and hydrocarbon cracking. Currently, the El Segundo Refinery is one of the largest oil refineries on the west coast. It is one of the largest producers of cleaner-burning gasoline and diesel fuels designed to meet the stringent air quality needs of California.

### *Hazardous Waste Facility*

The onsite permitted facility consists of a PCB (polychlorinated biphenyls) Storage Building, a Hazardous Waste Storage and Treatment Facility (HWSTF), and the Landfarm. The approximate locations of the permitted areas are shown in the figure below. All of the hazardous waste managed in the permitted areas is generated in the refinery.



The PCB Building is used to store oil or transformers that potentially contain PCBs, a highly toxic synthetic or organic chemical once widely used in electrical equipment, hydraulic systems, heat transfer systems, and other industrial products. At the HWSTF, liquid and solid hazardous waste from refinery processes may be stored and in some instances, treated.

The former Landfarm area at the Chevron Refinery consisted of several surface treatment areas which received wastes since about 1979. Prior to 1987, the 10 acre Landfarm, which is larger than a football field, was used to treat oily wastes. It is no longer an active facility. It is now closed and is covered by a multi-layer cap topped by asphalt. It is currently used as a parking lot and is in post-closure status under DTSC oversight. The Landfarm area has about 70 sampling sites which are regularly inspected as part of the permit to ensure the levels of contamination in the soil underneath the site does not increase.

### **Truck Routes**

Less than 30 trucks will be used to transport hazardous waste off-site from the Chevron Hazardous Waste Storage and Treatment Facility and the PCB Building to a state-licensed disposal facility. The trucks will be operated by licensed hazardous waste trucking contractors and will travel between the hours of 7 a.m. and 6 p.m.

Trucks will exit the Chevron Refinery at the Main Gate #2 and will travel east on El Segundo Boulevard to either the 105 or 405 freeways.

### **Facility Safety Measures**

#### ***Measures to Control Potential Contamination of the Environment***

Security fencing with a locked gate surrounds the HWSTF. The PCB Storage Building is completely enclosed and also locked. A 6-inch-high containment curb encircles the HWSTF to prevent runoff and run-on. A 6-inch concrete curb is also built into the perimeter of the concrete pad at the PCB storage building. The concrete floor in all work and storage areas is covered with a chemical-resistant resinous coating designed to prevent spills from impacting the underlying soil. In addition, impound basins and controlled drainage in these areas protect against environmental impacts.

Drums of waste products are stored on pallets to facilitate early detection in the event of a spill or leak.



*Former Chevron El Segundo Landfarm Facility is capped and permitted for parking.*

Incompatible wastes, in drums or bins, are separated to prevent potential commingling of spilled wastes.

The Landfarm is also encircled with security fencing and is protected by locked gates. The 3-foot thick multilayer cap, which covers the surface of the former land treatment unit, is maintained in accordance with the post-closure operations plan. Post-closure groundwater and soil-pore liquid sampling results have demonstrated that the Landfarm cap has remained secure, and the site is not a threat to the groundwater.

#### ***Refinery Safety Measures***

One important aspect of all refinery operations, including those conducted at the HWSTF, is Process Safety Management (PSM). As part of Chevron's commitment to safety, and in compliance with Occupational Safety and Health Administration (OSHA) requirements, all processes and changes to procedures in the refinery are subject to PSM.

#### ***Hazardous Waste Contingency Plan***

Chevron has developed a Hazardous Waste Contingency Plan to direct emergency response for the three permitted areas. The contingency plan is specific to hazardous waste emergencies and does not apply to refinery process emergencies. The refinery has a 24-hour staffed fire department onsite and utilizes the incident command system to respond to all emergencies. The on-shift Battalion Chief assumes the role of Environmental Coordinator in the event of an emergency at the hazardous waste facility.

## Closure Plan

A written Closure Plan is included in the permit for the HWSTF and the PCB Storage Building. The Closure Plan for these facilities describes steps to decontaminate and disassemble the facilities and perform an investigation of potential environmental impacts.

On May 30, 1996, the DTSC certified the Landfarm closed following installation of the multi-layer cap and approval of the *Landfarm Closure Certification Report* (March 11, 1996).

## Corrective Action

All corrective action activities are being overseen by either the U.S. Environmental Protection Agency or the California Regional Water Quality Control Board. These activities include monitoring groundwater quality and cleaning up releases to groundwater. These activities include the entire refinery, while DTSC involvement is limited to the Landfarm, the HWSTF and the PCB Storage Building.

## Compliance History

DTSC conducts annual inspections of the HWSTF and the PCB Storage Building. Results of these inspections indicate that Chevron Product Company is generally in compliance with California hazardous waste laws. There were no compliance issues identified during the most recent inspections in the HWSTF, PCB Building and the Landfarm.

## California Environmental Quality Act

DTSC prepared a negative declaration for this Permit in accordance with CEQA (California Public Resources Code, Section 210000, et seq.) and the State guidelines. The DTSC determined that this particular project will not have a significant effect on the environment.

## Where to Find the Documents

The Chevron El Segundo Refinery Draft Permit, permit application, and other related facility documents are available for review at the following locations:

## El Segundo Public Library

111 W. Mariposa Avenue  
El Segundo, CA 90245  
(310) 524-2722

Monday–Thursday. 9 a.m.-9 p.m.

Friday 1 p.m.-6 p.m.

Saturday 9 a.m.-5 p.m.

Sunday 1 p.m.-5 p.m.

## DTSC Regional Records Room

1011 N. Grandview Avenue  
Glendale, CA 91201

By appointment only, call: (818) 551-2952

Monday–Friday 8 a.m.-5 p.m.

## For More Information

If you have any questions about this permit renewal or the public hearing, please contact us at:

Richard Allen

DTSC Project Manager:

(818) 551-2924 or [rallen2@dtsc.ca.gov](mailto:rallen2@dtsc.ca.gov)

Treva Miller

DTSC Public Participation Specialist

(818) 551-2846, or toll free (866) 495-5651

[tmiller@dtsc.ca.gov](mailto:tmiller@dtsc.ca.gov).

## Media Inquiries:

Jeanne Garcia

DTSC Public Information Officer

(818) 551-2176 or [jgarcia@dtsc.ca.gov](mailto:jgarcia@dtsc.ca.gov)

## Meeting Accessibility

For information on accessibility and to request reasonable accommodations, please call Treva Miller at (818) 551-2846 at least one week in advance of the meeting.

## Notice to the Hearing Impaired

You can obtain additional information by using the California State Relay Service at: 1 (888) 877-5378 (TDD). Ask them to contact Treva Miller at (818) 551-2846.

# COMMENT FORM AND MAILING COUPON

## CHEVRON EL SEGUNDO REFINERY DRAFT PERMIT RENEWAL

You may use this sheet to:

- **send us your comments**
- **be added to or taken off the mailing list**

If you use this form to send us your comments, please include your name and address. All written comments must be postmarked no later than **February 13, 2007**. Please send this form to:

Richard Allen, Project Manager  
Department of Toxic Substances Control  
1011 N. Grandview Avenue  
Glendale, CA 91201

You may also email this same information to: [rallen2@dtsc.ca.gov](mailto:rallen2@dtsc.ca.gov)

Please take me off the mailing list

Please add me to the mailing list

Name: \_\_\_\_\_

Address: \_\_\_\_\_

Affiliation (if any): \_\_\_\_\_

Phone number (optional): \_\_\_\_\_

Comments: (If you need more space, please feel free to use another sheet of paper)

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*Our mailing lists are only used for keeping you informed of our activities. However, they are considered public records and, if requested, may be subject to release.*