

NOTICE OF DETERMINATION

To: Office of Planning and Research
State Clearinghouse
P.O. Box 3044, 1400 Tenth Street, Room 212
Sacramento, CA 95812-3044

From: Department of Toxic Substances Control
Standardized Permitting and Corrective Action
Branch
8800 Cal Center Drive
Sacramento, CA 95826-3200

Subject: FILING OF NOTICE OF DETERMINATION IN COMPLIANCE WITH SECTION 21108 OR 21152 OF THE PUBLIC RESOURCES CODE

Project Title: Chevron U.S.A. Incorporated Hazardous Waste Facility Permit Renewal

State Clearinghouse No.: 2006042054

Project Location: 841 Chevron Way, Richmond, CA 94801

County: Contra Costa

Project Description: Issuance of a permit for continued treatment and storage of hazardous wastes onsite at the Chevron U.S.A., Inc. Richmond Refinery under the Health and Safety Code, Division 20, Chapter 6.5 and the California Code of Regulations, Title 22, Division 4.5. The facility stores and treats hazardous wastes which are generated onsite in a permitted hazardous waste treatment and storage facility. The wastes would include acids, bases, and reactive chemicals. These wastes can be stored at the facility for up to one year. The storage and treatment facility has five areas and consists of Storage for Drummed Waste, Neutralization, Bulk Liquid Storage and Treatment, Solid Waste Bin Storage and Liquids/Sludge Storage and Treatment.

Facility Background/History:

The hazardous waste storage and treatment facility (HWTSF) is located within the Chevron Refinery complex (facility). The project is a 1.3-acre site within the facility, which is a 2900-acre site. Construction of the HWTSF was completed in October 1983. The first permit was issued September 10, 1992. The HWTSF is bounded on all 4 sides by the facility. The fence line is ¼ mile from the nearest public thoroughfare. The nearest residences are over ½ mile away.

Facility Operations:

The storage and treatment facility has five areas and consists of Storage for Drummed Waste, Neutralization, Bulk Liquid Storage and Treatment, Solid Waste Bin Storage and Liquids/Sludge Storage and Treatment.

1. Storage for Drummed Waste Area

This 1,198-square foot area would continue to be used to store hazardous waste in 55 and 85-gallon steel or polyethylene drums. The drums are stored in six rooms in two large storage buildings. Each room is self contained with built-in fire extinguishing systems. The drums are segregated according to the characteristic of the waste. Wastes which will be stored include corrosives, ignitables, oxidizers, Polychlorinated Biphenyls (PCBs), reactives and toxics. A maximum of 4,620 gallons of hazardous waste can be stored at any time.

2. Neutralization Area

This 1,144-square foot area consists of a 20-foot by 52-foot long reinforced concrete vault. There are two drainage sumps which transfer collected liquids to the main sump. This area is used to treat corrosive liquids in 6,500-gallon polyethylene containers. A maximum of two containers can be stored in this area at any time.

3. Bulk Liquid Storage and Treatment Area

This 3,555-square foot area is used to store and treat bulk liquid waste. Treatment includes oxidation of sulfidic wastes and metal precipitation. Steel vessels are used for treatment or storage. These vessels/tanks are rectangular in shape and are 11 feet high, 8 feet wide and 40 feet in length (See section V, attachments V-4 and V-5 of the Approved Permit Application for diagrams of Bi-level Tank and Baker Tank). The maximum container size is 21,000-gallons. These vessels are rented as needed, and must meet minimum yield point of 36,000 pounds per square inch (psi) and tensile strength of 58,000 psi. These vessels can vary in size because the vendor may change size standards. The untreated

waste is stored in steel vessels. Treated waste will be shipped from the Facility for disposal or for further treatment. The maximum capacity of this area is 147,000 gallons.

4. Solid Waste Bin Storage Area

This 4,482-square foot area is used to store solid wastes in drop bins. The bins are also used to treat wastes. Treatment processes include oxidation of pyroforic materials, stabilization of semi-solid waste and neutralization of corrosive solids. Ten 40-cubic-yard bins and two 2.5-cubic-yard storage bins, or twenty 20-cubic-yard bins and two 2.5-cubic-yard storage bins. The maximum capacity is 81,800 gallons or 405 cubic-yards.

5. Liquids/Sludge Storage and Treatment Area

This 5,022-square foot area is used to store and treat liquid process wastes. The treatment process is used in phase separation. A maximum of ten 21,000-gallon vapor tight steel vessels can be used for storage of waste.

As Lead Agency a Responsible Agency under the California Environmental Quality Act (CEQA), DTSC approved the above-described project on August 25, 2006, and has made the following determinations:

1. The project will will not have a significant effect on the environment.
2. A Negative Declaration Mitigated Negative Declaration Environmental Impact Report was prepared for this project pursuant to the provisions of CEQA.
3. Mitigation measures were were not made a condition of project approval.
4. A mitigation reporting or monitoring plan was was not adopted for this project.
5. A Statement of Overriding Considerations was was not adopted for this project.
6. Findings were were not made pursuant to the provisions of CEQA.

This is to certify that the final environmental document, comments and responses, and the record of project approval are available to the public at the following location: Department of Toxic Substances Control, 8800 Cal Center Drive, Sacramento, California 95826-3200.

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Branch Chief Signature

September 6, 2006
Date

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TO BE COMPLETED BY OPR ONLY

Date Received For Filing and Posting at OPR: