

**STATE OF CALIFORNIA  
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
SAN FRANCISCO BAY REGION**

**STAFF SUMMARY REPORT  
STAFF: PRIYA GANGULI  
MEETING DATE: June 15, 2005**

**ITEM:** 5.B

**SUBJECT:** **ConocoPhillips Company**  
**San Francisco Refinery, Rodeo, Contra Costa County**  
Update of Waste Discharge Requirements and Rescission of Order No. 97-027

**CHRONOLOGY:** Waste Discharge Requirements were adopted in 1989 and 1997.

**DISCUSSION:** The purpose of the Tentative Order is to update facility Waste Discharge Requirements for the ConocoPhillips Company (Discharger) San Francisco Refinery (Refinery). In summary:

- The Refinery's groundwater monitoring schedule and sampling parameters are updated in response to historic data trends;
- Sampling requirements are established for recently acquired property in the interior of the Refinery;
- Maintenance and monitoring requirements for inactive solid waste management units and surface impoundments are updated;
- A schedule is established to update the Refinery's Soils Management Plan; and
- Recent changes in ownership are reflected.

The Discharger owns and operates the petroleum Refinery, which encompasses approximately 1,100 acres in the city of Rodeo. The northwestern boundary of the Refinery is located along the San Pablo Bay shoreline. The Refinery has approximately 100 aboveground storage tanks, about 80 of which are used to store petroleum products, with a maximum petroleum storage capacity of 7,800,000 barrels (42 gallons/barrel). Daily crude oil throughput is about 73,000 barrels. Crude oil is cracked and processed at the Refinery to produce gasoline, diesel fuel, and jet fuel. Wastes generated from the refining and manufacturing processes were historically disposed of at various solid waste management units throughout the Refinery. However all solid waste management units at the facility are now inactive. The Discharger maintains two active surface impoundments at the Refinery.

The primary objectives of the groundwater monitoring program are to:

- Monitor and contain off-site contamination migration pathways located near the perimeter of the Refinery;

- Monitor areas of concern in the interior of the Refinery, where corrective action measures are in place; and
- Monitor groundwater quality upgradient and downgradient from inactive waste management units and active surface impoundments.

Staff has incorporated relevant comments submitted by the Discharger and interested parties, and the Discharger has indicated acceptance of the Tentative Order.

**RECOMMEN-  
DATION:**

Adoption of the Tentative Order (Appendix A)

**FILE NO.**

2119.1051(PG)

**APPENDICES:**

A – Tentative Order

**APPENDIX – A**

Tentative Order