California Regional Water Quality Control Board
North Coast Region

MONITORING AND REPORTING PROGRAM NO. R1-2001-0203
(REPLACES MONITORING AND REPORTING PROGRAM NO. 97-20)

FOR

CHEVRON USA
MARINE TERMINAL
3400 CHRISTIE STREET
EUREKA, CALIFORNIA

Humboldt County

ABOVEGROUND TANK LEAK DETECTION MONITORING

The terminal manager shall inspect the exterior sides, fittings, and concrete pad of each tank every month for visible leaks, seeps, or stains. The interior of each double bottom drainpipe shall be inspected. Observations shall be recorded for each tank.

STORMWATER MONITORING

The terminal manager shall record dates during which stormwater is discharged to Humboldt Bay from the carbon filter system. Three times per year a sample of the first monthly discharge shall be analyzed for Total Petroleum Hydrocarbons as gasoline (TPH-G); Total Petroleum Hydrocarbons as diesel (TPH-D); benzene, toluene, ethylbenzene, xylene (collectively BTEX); methyl-tert-butyl Ether (MTBE); and all fuel oxygenates.

GROUNDWATER MONITORING

1. The depth to groundwater in all monitoring wells and piezometers shall be determined to at least 0.01 foot increments quarterly. The depth to groundwater shall be determined with respect to sea level at the dock. Elevations shall be reported in tabular form indicating the surveyed elevation of each well or piezometer reference point, depth to groundwater from referenced point, and the actual groundwater elevation.

2. Contour maps shall be developed showing groundwater table elevations at each well or piezometer along with the determination of the groundwater gradient.

3. The detection and thickness of separate phase product in all monitoring wells and piezometers shall be determined quarterly.

4. All monitoring wells shall be sampled according to the following schedule. The analyses shall be performed at a certified laboratory for all constituents using EPA approved methodology. All fuel oxygenates stored and used onsite will also by analyzed in each sampling event.

MONITORING WELL	SAMPLING FREQUENCY	CONSTITUENTS TO SAMPLE
MW-3	ANNUAL	TPH-D, BTEX, MTBE
MW-4	ANNUAL	TPH-D, MTBE
MW-5	SEMI-ANNUAL	TPH-D, TPH-G, BTEX, MTBE
MW-6	QUARTERLY	TPH-D, TPH-G, BTEX, MTBE
MW-7	SEMI-ANNUAL	TPH-D, TPH-G, BTEX, MTBE
MW-8	ANNUAL	TPH-D
MW-9	ANNUAL	TPH-D
MW-10	QUARTERLY	TPH-D, TPH-G
MW-11	QUARTERLY	TPH-D, TPH-G, BTEX, MTBE
MW-12	QUARTERLY	TPH-D, TPH-G, BTEX, MTBE
MW-13	SEMI-ANNUAL	TPH-D, TPH-G, BTEX, MTBE
MW-15	SEMI-ANNUAL	TPH-D, MTBE
MW-16	ANNUAL	TPH-D
MW-17	SEMI-ANNUAL	TPH-D, TPH-G, BTEX, MTBE
MW-18	ANNUAL	TPH-D
MW-19	SEMI-ANNUAL	TPH-D, TPH-G, BTEX, MTBE
MW-20	ANNUAL	TPH-D
P-1	QUARTERLY	TPH-D, TPH-G, BTEX, MTBE
ALL NEW WELLS	QUARTERLY	TPH-D, TPH-G, BTEX, MTBE

REPORTING

A groundwater elevation contour map shall be submitted for each quarterly set of measurements and include the facility, groundwater flow pattern including the direction of the groundwater gradient, and the location of the wells measured.

The laboratory analysis data shall be submitted in tabular form so that the dates, the constituent, the person collecting the sample, the method detection limit, and the concentrations are readily discernable.

The terminal manager's stormwater discharge log for the preceding wet weather season and the annual report required under Section B. 16. of State Water Resources Control Board National Pollutant Discharge Elimination System General Permit CAS000001 shall be submitted by July 1 of each year.

Quarterly monitoring reports, including quarterly gradient data, monthly above ground tank reports, stormwater sampling data, and quarterly, semi-annual, and annual monitoring well sampling data shall be submitted to this office in accordance with the following schedule:

Reporting Period	Due Date
January, February, March	April 30
April, May. June	July 30
July, August, September	October 30
October, November, December	January 30

Ordered by _____

Susan A. Warner
Executive Officer

November 27, 2001

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