STATE OF CALIFORNIA
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
LOS ANGELES REGION

MONITORING AND REPORTING PROGRAM NO. CI-8918
FOR
MARK'S CHEVRON STATION

ENROLLMENT UNDER REGIONAL BOARD
ORDER NO. R4-2005-0030, SERIES 006
FILE NO. 908050698

I. REPORTING REQUIREMENTS

A. Mark's Chevron Station (hereinafter Discharger) shall implement this monitoring program on the effective date of this enrollment under Regional Board Order No. R4-2005-0030. The first monitoring report under this Program is due by October 15, 2005.

Monitoring reports shall be received by the dates in the following schedule:

Reporting Period	Report Due
January – March	April 15
April – June	July 15
July – September	October 15
October – December	January 15

B. If there is no discharge or injection during any reporting period, the report shall so state. Monitoring reports must be addressed to the Regional Board, Attention: Information Technology Unit.

C. By January 30 of each year, beginning January 30, 2006, the Discharger shall submit an annual summary report to the Regional Board. The report shall contain both tabular and graphical summaries of the monitoring data obtained during the previous calendar year. In addition, the Discharger shall explain the compliance record and the corrective actions taken or planned, which may be needed to bring the discharge into full compliance with the waste discharge requirements (WDRs).

D. Each monitoring report shall contain a separate section titled "Summary of Non-Compliance" which discusses the compliance record and the corrective actions taken or planned that may be needed to bring the discharge into full compliance with WDRs. This section shall be located at the front of the report and shall clearly list all non-compliance with discharge requirements, as well as all excursions of effluent limitations.

E. The Discharger shall comply with requirements contained in Section G of Order No. R4-2005-0030 "*Monitoring and Reporting Requirements*" in addition to the aforementioned requirements.

II. WATER QUALITY MONITORING

A. Influent Monitoring

Representative samples of groundwater shall be obtained from extraction wells MW-4 These sampling stations shall not be changed and any proposed change of sampling locations shall be identified and approved by the Executive Officer prior to their use.

The following shall constitute the influent monitoring program for the groundwater from the extraction wells:

CONSTITUENT	UNITS	TYPE OF SAMPLE	MINIMUM FREQUENCY OF ANALYSIS
pH[1]	pH units	grab	Bi-weekly[2]/Monthly [3]/Quarterly [4]
Temperature[1]	^{0}F	grab	Bi-weekly[2]/Monthly [3]/Quarterly [4]
Oxidation-reduction potential[1]	milivolts	grab	Bi-weekly[2]/Monthly [3]/Quarterly [4]
Specific conductivity[1]	µmhos/cm	grab	Bi-weekly[2]/Monthly [3]/Quarterly [4]
Ferrous iron	µg/L	grab	Bi-weekly[2]/Monthly [3]/Quarterly [4]
Dissolved Oxygen[1]	µg/L	grab	Bi-weekly[2]/Monthly [3]/Quarterly [4]
Total petroleum hydrocarbons (as gasoline and as diesel)	µg/L	grab	Bi-weekly[2]/Monthly [3]/Quarterly [4]
Benzene	µg/L	grab	Bi-weekly[2]/Monthly [3]/Quarterly [4]
Ethylbenzene	µg/L	grab	Bi-weekly[2]/Monthly [3]/Quarterly [4]
Toluene	µg/L	grab	Bi-weekly[2]/Monthly [3]/Quarterly [4]
Total xylenes	µg/L	grab	Bi-weekly[2]/Monthly [3]/Quarterly [4]
MTBE	µg/L	grab	Bi-weekly[2]/Monthly [3]/Quarterly [4]
TBA	µg/L	grab	Bi-weekly[2]/Monthly [3]/Quarterly [4]
TAME	µg/L	grab	Bi-weekly[2]/Monthly [3]/Quarterly [4]
DIPE	µg/L	grab	Bi-weekly[2]/Monthly [3]/Quarterly [4]
ETBE	µg/L	grab	Bi-weekly[2]/Monthly [3]/Quarterly [4]
Ethanol	µg/L	grab	Bi-weekly[2]/Monthly [3]/Quarterly [4]
Methane	µg/L	grab	Bi-weekly[2]/Monthly [3]/Quarterly [4]
Formaldehyde	µg/L	grab	Bi-weekly[2]/Monthly [3]/Quarterly [4]
Acetates	µg/L	grab	Bi-weekly[2]/Monthly [3]/Quarterly [4]
Total organic carbon	µg/L	grab	Bi-weekly[2]/Monthly [3]/Quarterly [4]
Total dissolved solids	mg/L	grab	Quarterly
Sulfate	mg/l	grab	Quarterly
Chloride	mg/L	grab	Quarterly
Boron	mg/L	grab	Quarterly
Sodium	mg/L	grab	Quarterly
Carbon dioxide	mg/L	grab	Quarterly
Manganese	µg/L	grab	Quarterly
Total iron	µg/L	grab	Quarterly
Alkalinity	µg/L	grab	Quarterly

Total Coliform	MPN/100 mL	grab	Quarterly
Total chromium[5]	µg/L	grab	Quarterly
Chromium six[5]	µg/L	grab	Quarterly
1,2-Dichloroethane[5]	µg/L	grab	Quarterly
1,1,1-Trichloroethane[5]	µg/L	grab	Quarterly
Tetrachloroethylene (PCE)[5]	µg/L	grab	Quarterly
Trichloroethylene (TCE)[5]	µg/L	grab	Quarterly
Carbon Tetrachloride[5]	µg/L	grab	Quarterly
Vinyl Chloride[5]	µg/L	grab	Quarterly

B. Effluent Monitoring

A sampling station shall be established at the point of discharge (the end point of the groundwater treatment system) and shall be located where representative samples of the effluent can be obtained. This sampling station shall not be changed and any proposed change of sampling location shall be identified and approved by the Executive Officer prior to its use.

The following shall constitute the effluent monitoring program for the treated water prior to discharge to the injection well:

CONSTITUENT	UNITS	TYPE OF SAMPLE	MINIMUM FREQUENCY OF ANALYSIS
pH[1]	pH units	grab	Bi-weekly[2]/Monthly [3]/Quarterly [4]
Temperature[1]	^{0}F	grab	Bi-weekly[2]/Monthly [3]/Quarterly [4]
Oxidation-reduction potential[1]	milivolts	grab	Bi-weekly[2]/Monthly [3]/Quarterly [4]
Specific conductivity[1]	µmhos/cm	grab	Bi-weekly[2]/Monthly [3]/Quarterly [4]
Ferrous iron	µg/L	grab	Bi-weekly[2]/Monthly [3]/Quarterly [4]
Dissolved Oxygen[1]	µg/L	grab	Bi-weekly[2]/Monthly [3]/Quarterly [4]
Total petroleum hydrocarbons (as gasoline and as diesel)	µg/L	grab	Bi-weekly[2]/Monthly [3]/Quarterly [4]
Benzene	µg/L	grab	Bi-weekly[2]/Monthly [3]/Quarterly [4]
Ethylbenzene	µg/L	grab	Bi-weekly[2]/Monthly [3]/Quarterly [4]
Toluene	µg/L	grab	Bi-weekly[2]/Monthly [3]/Quarterly [4]
Total xylenes	µg/L	grab	Bi-weekly[2]/Monthly [3]/Quarterly [4]
MTBE	µg/L	grab	Bi-weekly[2]/Monthly [3]/Quarterly [4]
TBA	µg/L	grab	Bi-weekly[2]/Monthly [3]/Quarterly [4]
TAME	µg/L	grab	Bi-weekly[2]/Monthly [3]/Quarterly [4]
DIPE	µg/L	grab	Bi-weekly[2]/Monthly [3]/Quarterly [4]
ETBE	µg/L	grab	Bi-weekly[2]/Monthly [3]/Quarterly [4]
Ethanol	µg/L	grab	Bi-weekly[2]/Monthly [3]/Quarterly [4]
Methane	µg/L	grab	Bi-weekly[2]/Monthly [3]/Quarterly [4]
Formaldehyde	µg/L	grab	Bi-weekly[2]/Monthly [3]/Quarterly [4]
Acetates	µg/L	grab	Bi-weekly[2]/Monthly [3]/Quarterly [4]
Total organic carbon	µg/L	grab	Bi-weekly[2]/Monthly [3]/Quarterly [4]
Total dissolved solids	mg/L	grab	Quarterly

Sulfate	mg/l	grab	Quarterly
Chloride	mg/L	grab	Quarterly
Boron	mg/L	grab	Quarterly
Sodium	mg/L	grab	Quarterly
Carbon dioxide	mg/L	grab	Quarterly
Manganese	µg/L	grab	Quarterly
Total iron	µg/L	grab	Quarterly
Alkalinity	µg/L	grab	Quarterly
Total Coliform	MPN/100 mL	grab	Quarterly
Total chromium[5]	µg/L	grab	Quarterly
Chromium six[5]	µg/L	grab	Quarterly
1,2-Dichloroethane[5]	µg/L	grab	Quarterly
1,1,1-Trichloroethane[5]	µg/L	grab	Quarterly
Tetrachloroethylene (PCE)[5]	µg/L	grab	Quarterly
Trichloroethylene (TCE)[5]	µg/L	grab	Quarterly
Carbon Tetrachloride[5]	µg/L	grab	Quarterly
Vinyl Chloride[5]	µg/L	grab	Quarterly

C. Groundwater Monitoring

Representative samples of groundwater shall be obtained from groundwater monitoring wells MW-1, MW-2, MW-3, MW-4, MW-5, MW-6, MW-7, MW-8, MW-9, MW-10. A sampling station shall be established for each groundwater monitoring well and be located where representative samples can be obtained. These sampling stations shall not be changed and any proposed change of monitoring/injection locations shall be identified and approved by the Executive Officer prior to their use. The following shall constitute the groundwater monitoring program:

CONSTITUENT	UNITS	TYPE OF SAMPLE	MINIMUM FREQUENCY OF ANALYSIS
pH[1]	pH units	grab	Bi-weekly[2]/Monthly [3]/Quarterly [4]
Temperature[1]	^{0}F	grab	Bi-weekly[2]/Monthly [3]/Quarterly [4]
Oxidation-reduction potential[1]	milivolts	grab	Bi-weekly[2]/Monthly [3]/Quarterly [4]
Specific conductivity[1]	µmhos/cm	grab	Bi-weekly[2]/Monthly [3]/Quarterly [4]
Ferrous iron	µg/L	grab	Bi-weekly[2]/Monthly [3]/Quarterly [4]
Dissolved Oxygen[1]	µg/L	grab	Bi-weekly[2]/Monthly [3]/Quarterly [4]
Total petroleum hydrocarbons (as gasoline and as diesel)	µg/L	grab	Bi-weekly[2]/Monthly [3]/Quarterly [4]
Benzene	µg/L	grab	Bi-weekly[2]/Monthly [3]/Quarterly [4]
Ethylbenzene	µg/L	grab	Bi-weekly[2]/Monthly [3]/Quarterly [4]
Toluene	µg/L	grab	Bi-weekly[2]/Monthly [3]/Quarterly [4]
Total xylenes	µg/L	grab	Bi-weekly[2]/Monthly [3]/Quarterly [4]
MTBE	µg/L	grab	Bi-weekly[2]/Monthly [3]/Quarterly [4]
TBA	µg/L	grab	Bi-weekly[2]/Monthly [3]/Quarterly [4]
TAME	µg/L	grab	Bi-weekly[2]/Monthly [3]/Quarterly [4]

DIPE	µg/L	grab	Bi-weekly[2]/Monthly [3]/Quarterly [4]
ETBE	µg/L	grab	Bi-weekly[2]/Monthly [3]/Quarterly [4]
Ethanol	µg/L	grab	Bi-weekly[2]/Monthly [3]/Quarterly [4]
Methane	µg/L	grab	Bi-weekly[2]/Monthly [3]/Quarterly [4]
Formaldehyde	µg/L	grab	Bi-weekly[2]/Monthly [3]/Quarterly [4]
Acetates	µg/L	grab	Bi-weekly[2]/Monthly [3]/Quarterly [4]
Total organic carbon	µg/L	grab	Bi-weekly[2]/Monthly [3]/Quarterly [4]
Total dissolved solids	mg/L	grab	Quarterly
Sulfate	mg/l	grab	Quarterly
Chloride	mg/L	grab	Quarterly
Boron	mg/L	grab	Quarterly
Sodium	mg/L	grab	Quarterly
Carbon dioxide	mg/L	grab	Quarterly
Manganese	µg/L	grab	Quarterly
Total iron	µg/L	grab	Quarterly
Alkalinity	µg/L	grab	Quarterly
Total Coliform	MPN/100 mL	grab	Quarterly
Total chromium[5]	µg/L	grab	Quarterly
Chromium six[5]	µg/L	grab	Quarterly
1,2-Dichloroethane[5]	µg/L	grab	Quarterly
1,1,1-Trichloroethane[5]	µg/L	grab	Quarterly
Tetrachloroethylene (PCE)[5]	µg/L	grab	Quarterly
Trichloroethylene (TCE)[5]	µg/L	grab	Quarterly
Cis-1,2-dichloroethene (Cis-1,2-DCE) [5]	µg/L	grab	Quarterly
Trans-1,2-dichloroethene (Trans-1,2-DCE) [5]	µg/L	grab	Quarterly
1,1-dichloroethene (1,1-DCE)	µg/L	grab	Quarterly
Carbon Tetrachloride[5]	µg/L	grab	Quarterly
Vinyl Chloride[5]	µg/L	grab	Quarterly
Priority pollutants [5,6]	µg/L	grab	One-time

[1] Field instrument may be used to measure this parameter.
[2] Bi-weekly sampling is required for the first month of injection.
[3] Monthly sampling is required for the next two months of injection.
[4] Quarterly sampling is required thereafter.
[5] Monitoring is required only for the well(s) in which this constituent is detected in the baseline sample(s).
[6] All other Priority Pollutants not listed previously

All groundwater monitoring reports must include, at minimum, the following:

a. Well identification, date and time of sampling;
b. Sampler identification, and laboratory identification; and
c. Quarterly observation of groundwater levels, recorded to 0.01 feet mean sea level and groundwater flow direction.

III. WASTE HAULING REPORT

In the event that wastes are hauled for further treatment or to a disposal site, the name and address of the hauler of the waste shall be reported in each quarterly monitoring report, along with quantities hauled during the quarter, and the location of the final point of disposal. If no wastes are hauled during the reporting period, a statement to that effect shall be submitted in the quarterly monitoring report.

IV. OPERATION AND MAINTENANCE REPORT

The Discharger shall file a technical report with this Regional Board, no later than 30 days after receipt of these Waste Discharge Requirements, relative to the operation and maintenance program for the groundwater treatment system. The information to be contained in that report shall include, at a minimum, the following:

1. The name, address, and telephone number of the person or company responsible for operation and maintenance of the groundwater treatment system;

2. Type of maintenance (preventive or corrective); and

3. Frequency of maintenance, if preventive.

V. MONITORING FREQUENCIES

Specifications in this monitoring program are subject to periodic revisions. Monitoring requirements may be modified or revised by the Executive Officer based on review of monitoring data submitted pursuant to this Order. Monitoring frequencies may be adjusted to a less frequent basis or parameters and locations dropped by the Executive Officer if the Discharger makes a request and the request is backed by statistical trends of monitoring data submitted.

VI. CERTIFICATION STATEMENT

Each report shall contain the following completed declaration:

"I certify under penalty of law that this document, including all attachments and supplemental information, was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of a fine and imprisonment.

Executed on the _____day of _____

at _____

_____(Signature)

_____(Title)"

All records and reports submitted in compliance with this Order are public documents and will be made available for inspection during business hours at the office of the California Regional Water Quality Control Board, Los Angeles Region, upon request by interested parties. Only proprietary information, and only at the request of the Discharger, will be treated as confidential.

Ordered by: _____ Date: July 12, 2005
Jonathan S. Bishop
Executive Officer