

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

**MONITORING AND REPORTING PROGRAM NO. CI-8256
FOR
CITY OF LAKEWOOD
(PRODUCTION WELL NO. 14 PUMP TEST PROJECT)**

(NPDES NO. CAG994001)

The discharger shall implement this monitoring program on the effective date of coverage under this permit. The monitoring reports shall be submitted monthly and must be received by this Regional Board by the thirtieth day following the end of the month. The first monitoring report for May 2001 must be received by June 30, 2001. If there is no discharge during a sampling period, the report shall so state. Monitoring report must be addressed to this Regional Board, Attention: Information Technology Unit.

Before commencing discharge, a representative sample shall be analyzed, and test results must meet all discharge limitations in Part E, and Attachment B of the Order No. 97-045.

All monitoring reports shall include the discharge limitations in the Order, tabulated analytical data, the chain of custody form, the laboratory report (including but not limited to date and time of sampling, date of analyses, method of analysis and detection limits), and discharge certification statement.

I. Discharge Monitoring

Sampling station(s) shall be established at the discharge point and shall be located where representative samples of the effluent can be obtained. Provisions shall be made to enable visual inspections before discharge. In the event of presence of oil sheen, debris, and/or other objectionable materials or odors, discharge shall not commence until compliance with the requirements is demonstrated. All visual observations shall be included in the monitoring report.

The following shall constitute the discharge monitoring program:

<u>Constituent</u>	<u>Units</u>	<u>Type of Sample</u>	<u>Minimum Frequency of Analysis</u>^{1, 2}
Flow	gal/day	Totalizer	Continuously
PH	pH units	Grab	once per discharge event
Temperature	°F	Grab	once per discharge event
Total Suspended Solids	mg/L	Grab	once per discharge event
Turbidity	NTU	Grab	once per discharge event
BOD ₅ 20°C	mg/L	Grab	once per discharge event
Oil and Grease	mg/L	Grab	once per discharge event
Settleable Solids	ml/L	Grab	once per discharge event
Sulfides	mg/L	Grab	once per discharge event
Detergents as methylene blue active substances (MBAS)	mg/L	Grab	once per discharge event
Phenols	mg/L	Grab	once per discharge event
Phenolic Compounds (chlorinated)	µg/L	Grab	once per discharge event
Benzene	µg/L	Grab	once per discharge event
Toluene	µg/L	Grab	once per discharge event
Ethylbenzene	µg/L	Grab	once per discharge event
Xylene	µg/L	Grab	once per discharge event
Ethylene Dibromide	µg/L	Grab	once per discharge event
Carbon Tetrachloride	µg/L	Grab	once per discharge event
Tetrachloroethylene	µg/L	Grab	once per discharge event
Trichloroethylene	µg/L	Grab	once per discharge event
1,4-dichlorobenzene	µg/L	Grab	once per discharge event
1,1-dichloroethane	µg/L	Grab	once per discharge event
1,2-dichloroethane	µg/L	Grab	once per discharge event
1,1-dichloroethylene	µg/L	Grab	once per discharge event
Vinyl Chloride	µg/L	Grab	once per discharge event
Arsenic	µg/L	Grab	once per discharge event
Cadmium	µg/L	Grab	once per discharge event
Chromium	µg/L	Grab	once per discharge event
Copper	µg/L	Grab	once per discharge event
Lead	µg/L	Grab	once per discharge event
Mercury	µg/L	Grab	once per discharge event
Selenium	µg/L	Grab	once per discharge event
Silver	µg/L	Grab	once per discharge event
Methyl Tertiary Butyl Ether (MTBE)	µg/L	Grab	once per discharge event

¹ Before the discharge commences, a representative sample shall be analyzed and the test results must show compliance with all discharge limitations of Order 97-045. If any constituent exceeds the limit in Order 97-045 the discharge shall be terminated and shall only be resumed after remedial measures have been implemented, and full compliance with the requirements has been demonstrated.

² During periods of extended discharge, no more than one analysis per month is required.

<u>Constituent</u>	<u>Units</u>	<u>Type of Sample</u>	<u>Minimum Frequency of Analysis</u> ^{1, 2}
Total Petroleum Hydrocarbons	µg/L	Grab	once per discharge event
Acute Toxicity ³	% Survival	Grab	initial, one-time event

II. Laboratory Analyses

All chemical, bacteriological, and toxicity analyses shall be conducted at a laboratory certified for such analyses by the California Department of Health Services Environmental Laboratory Accreditation Program (ELAP) or approved by the Executive Officer. A copy of the laboratory certification shall be provided with the first monitoring report and each time a new and/or renewal is obtained from ELAP.

Samples must be analyzed within allowable holding time limits as specified in 40 CFR Part 136.3. Proper chain of custody procedures must be followed and a copy shall be submitted with the report.

The monitoring report shall specify the USEPA analytical method used, the Method Detection Limit (MDL) and the Minimum Level (ML⁴) for each pollutant. For the purpose of reporting compliance with numerical limitations, performance goals, and receiving water limitations, analytical data shall be reported with one of the following methods, as the case may be:

1. An actual laboratory measured value for sample results greater than or equal to the ML; or
2. "Detected, but Not Quantified (DNQ)" if results are greater than or equal to the laboratory's MDL but less than the ML. The estimated chemical concentration⁵ of the sample shall also be reported ;
3. "Not-Detected (ND)" for sample results less than the laboratory's MDL with the MDL indicated for the analytical method used.

The ML employed for an effluent analysis shall be lower than the permit limit established for a given parameter, unless the Discharger can demonstrate that a particular ML is not attainable and obtains approval for a higher ML from the Executive Officer. At least once

³ By the method specified in "Methods for Measuring the Acute Toxicity of Effluents to Freshwater and Marine Organisms" - September 1991, (EPA/600/4-90/027). Submission of bioassay results should include the information noted on pages 70-73 of the "Methods". The fathead minnow (*Pimephales promelas*) shall be used as the test species. If the results of the toxicity test yields a survival of less than 90%, then the frequency of analyses shall increase to monthly until at least three test results have been obtained and full compliance with effluent limitations has been demonstrated, after which the frequency of analyses shall revert to annually. Results of toxicity tests shall be included in the first monitoring report following sampling.

⁴ The minimum levels are those published by the State Water Resources Control Board in the *Policy for the Implementation of Toxics Standards for Inland Surface Waters, Enclosed Bays, and Estuaries of California*, March 2, 2000, see Appendix A.

⁵ Estimated chemical concentration is the estimated chemical concentration that results from the confirmed detection of the substance by the analytical method below the ML value.

a year, the Discharger shall submit a list of the analytical methods employed for each test and the associated laboratory quality assurance/quality control procedures.

III. Notification

The Discharger shall notify the Executive Officer in writing prior to discharge of any chemical which may be toxic to aquatic life. Such notification shall include:

1. Name and general composition of the chemical,
2. Frequency of use,
3. Quantities to be used,
4. Proposed discharge concentrations and,
5. EPA registration number, if applicable.

No discharge of such chemical shall be made prior to obtaining the Executive Officer's approval.

IV. Monitoring Frequencies

Monitoring frequencies may be adjusted by the Executive Officer to a less frequent basis if the Discharger makes a request and the request is backed by statistical trends of monitoring data submitted.

Ordered by: _____
Dennis A. Dickerson
Executive Officer

Date: May 3, 2001

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