



# California Regional Water Quality Control Board

## Los Angeles Region

(50 Years Serving Coastal Los Angeles and Ventura Counties)

Winston H. Hickox  
Secretary for  
Environmental  
Protection

320 W. 4th Street, Suite 200, Los Angeles, California 90013  
Phone (213) 576-6600 FAX (213) 576-6640  
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Gray Davis  
Governor

July 18, 2002

Mr. Tom A. Odom  
City of Lomita  
24300 Narbonne Avenue  
Lomita, CA 90717

Certified Mail  
Returned Receipt Requested  
Claim No. 7000 0520 0024 7127 8375

Dear Mr. Odom:

**COVERAGE UNDER GENERAL NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM AND WASTE DISCHARGE REQUIREMENTS – CITY OF LOMITA (CITY WATER SYSTEM WELL NO. 5), 26112 CYPRESS STREET, ROLLING HILLS ESTATES, (CAG994001, CI-8423)**

We have completed our review of your application for a permit to discharge waste under the National Pollutant Discharge Elimination System (NPDES).

Based on the information provided, the proposed discharge of groundwater meets the conditions to be regulated under Order No. 97-045, *General National Pollutant Discharge Elimination System Permit and Waste Discharge Requirements for Groundwater Discharges from Construction and Project Dewatering to Surface Waters in Coastal Watersheds of Los Angeles and Ventura Counties*, adopted by this Board on May 12, 1997.

Enclosed are your Waste Discharge Requirements, which also serve as your NPDES permit, consisting of Order No. 97-045 and Monitoring and Reporting Program No. CI-8423. Prior to starting discharge, a representative sample of the effluent shall be obtained and analyzed to determine compliance with the discharge limitations. The discharge limits in Part E and Attachment B of Order No. 97-045 are applicable to your discharge. Attachment A is not applicable to your discharge.

The Monitoring and Reporting Program requires you to implement the monitoring program on the effective date of this permit. All monitoring reports should be sent to the Regional Board, ATTN: Information Technology Unit.

When submitting monitoring or technical reports to the Regional Board per these requirements, please include a reference to "Compliance File No. CI-8423 and NPDES No. CAG994001"; which will assure that the reports are directed to the appropriate file and staff. Also, please do not combine other reports with your monitoring reports. Submit each type of report as a separate document.

In order to avoid future annual fees, please submit written notification when the project has been completed and the permit is no longer needed.

### California Environmental Protection Agency

\*\*\*The energy challenge facing California is real. Every Californian needs to take immediate action to reduce energy consumption\*\*\*  
\*\*\*For a list of simple ways to reduce demand and cut your energy costs, see the tips at: <http://www.swrcb.ca.gov/news/echallenge.html>\*\*\*



Our mission is to preserve and enhance the quality of California's water resources for the benefit of present and future generations.

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We are sending a copy of Order No. 97-045 only to the applicant. For those on the mailing list, please refer to the Board Order sent to you previously. A copy of the Order will be furnished to anyone who requests it.

If you have any questions, please contact Vilma Correa at (213) 576-6794.

Sincerely,



Dennis A. Dickerson  
Executive Officer

Enclosures:

Fact Sheet  
Monitoring and Reporting Program No. CI-8423  
General NPDES No. CAG994001, Order No. 97-045  
SWRCB Minimum Levels, Appendix 1

cc: U.S. Environmental Protection Agency, Region 9, Clean Water Act Standards  
and Permits (WTR-5)  
U.S. Army Corps of Engineers  
NOAA, National Marine Fisheries Service  
Department of Interior, U.S. Fish and Wildlife Service  
Mr. Jim Kassel, Division of Water Quality, SWRCB  
Mr. Michael Lauffer, Office of Chief Counsel, SWRCB  
California Department of Fish and Game, Region 5  
Los Angeles County Sanitation District  
City of Los Angeles, Bureau of Sanitation  
City of Los Angeles, Stormwater Management Division  
Chris Vangeest, City of Lomita

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STATE OF CALIFORNIA  
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
LOS ANGELES REGION  
320 West 4<sup>th</sup> Street, Suite 200, Los Angeles, California 90013

FACT SHEET  
WASTE DISCHARGE REQUIREMENTS  
FOR  
CITY OF LOMITA  
(CITY WATER SYSTEM WELL NO. 5)

NPDES NO. CAG994001  
CI-8423

**FACILITY ADDRESS**

26112 Cypress Street  
Rolling Hills, CA 90274

**FACILITY MAILING ADDRESS**

24300 Narbonne Avenue  
Lomita, CA 90717

**PROJECT DESCRIPTION:**

The City of Lomita (City) proposes to discharge groundwater associated with development of, and conducting of a pump test for Well No. 5, located at 26112 Cypress Street, Rolling Hills Estates. The well is part of the City water system and is used only on a standby emergency basis. The well is located outside the City limits of Lomita, but within the City of Rolling Hills Estates. The groundwater will be discharged to the nearby storm drain. A totalizing flow meter will be installed to measure the volume of the discharge.

**VOLUME AND DESCRIPTION OF DISCHARGE:**

Up to 480,000 gallons per day of groundwater will be discharged during the short-term pumping test that will be conducted over a period of eight working days. The groundwater will be discharged to a storm drain located along Cypress Street (Latitude: 33° 47' 14" Longitude: 118° 17' 30"). Discharge from the storm drain flows into Harbor Lake, thence to Los Angeles Inner Harbor, a water of the United States. The site location map is shown in Figure 1.

**FREQUENCY OF DISCHARGE:**

The discharge will be intermittent. The project is proposed to begin in July 2002, and is expected to be completed by September 2002.

**REUSE OF WATER:**

Due to lack of landscaping area at the site and inability to economically transport the water for reuse, an alternative method of disposal is not feasible. Therefore, the groundwater will be discharged to the storm drain.



FIGURE 1

CITY OF LOMITA  
 (CITY WATER SYSTEM WELL NO. 5)  
 CI - 8423

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

MONITORING AND REPORTING PROGRAM NO. CI-8423  
FOR  
CITY OF LOMITA  
(CITY WATER SYSTEM WELL NO. 5)

(NPDES NO. CAG994001)

I. REPORTING REQUIREMENTS

- A. The discharger shall implement this monitoring program on the effective date of this permit. The discharger shall submit monitoring reports to the Regional Board by the dates in the following schedule:

<u>Reporting Period</u>	<u>Report Due</u>
January - March	May 15
April - June	August 15
July - September	November 15
October - December	February 15
Annual Summary Report	March 15

- B. The first monitoring report under this Program is due by November 15, 2002. The annual summary report, shall contain a discussion of the previous year's effluent monitoring data, as well as graphical and tabular summaries of the data. If there is no discharge during any reporting period, the report shall so state.
- C. All monitoring reports shall include the discharge limitations in the Order, tabulated analytical data, the chain of custody form, and the laboratory report (including but not limited to date and time of sampling, date of analyses, method of analysis and detection limits).
- D. Before commencing a new discharge, a representative sample of the effluent shall be obtain and analyzed for toxicity, and for all the constituents listed in E.1, and Attachment B of Order No. 97-045, and test results must meet all discharge limitations.

II. SAMPLE COLLECTION REQUIREMENTS

- A. Daily samples shall be collected each day.
- B. Weekly samples shall be collected on a representative day of each week.
- C. Monthly samples shall be collected on a representative day of each month.
- D. Quarterly samples shall be collected in February, May, August, and November.
- E. Semi-annual samples shall be collected in May and November.
- F. Annual samples shall be collected in November.

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III. EFFLUENT MONITORING REQUIREMENTS

- A. 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.
- B. If any constituent exceeds the limit in Order 97-045 during any monitoring event, the discharge shall be terminated and shall only be resumed after remedial measures have been implemented and full compliance with the requirements has been ascertained.
- C. In addition, as applicable, following an effluent limit exceedance, the discharger shall implement the following accelerated monitoring program:
  - 1. Monthly monitoring shall be increased to weekly monitoring,
  - 2. Quarterly monitoring shall be increased to monthly monitoring , and
  - 3. Semi-annually monitoring shall be increased to quarterly.

If three consecutive accelerated monitoring events show full compliance with effluent limits, the discharger may return to the regular monitoring frequency, with the approval of the Executive Officer of the Regional Board.

- D. 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>
Flow	gal/day	totalizer	continuously
pH	pH units	grab	monthly
Temperature	°F	grab	monthly
Total Suspended Solids	mg/L	grab	monthly
Turbidity	NTU	grab	monthly
BOD <sub>5</sub> 20°C	mg/L	grab	monthly
Oil and Grease	mg/L	grab	monthly
Settleable Solids	ml/L	grab	monthly
Sulfides	mg/L	grab	monthly
Detergents as Methylene Blue Active Substances (MBAS)	mg/L	grab	monthly
Phenols	mg/L	grab	monthly
Phenolic Compounds (chlorinated)	µg/L	grab	monthly
Benzene	µg/L	grab	quarterly
Toluene	µg/L	grab	quarterly
Ethylbenzene	µg/L	grab	quarterly

<u>Constituent</u>	<u>Units</u>	<u>Type of Sample</u>	<u>Minimum Frequency of Analysis</u>
Xylene	µg/L	grab	quarterly
Ethylene Dibromide	µg/L	grab	quarterly
Carbon Tetrachloride	µg/L	grab	quarterly
Tetrachloroethylene	µg/L	grab	quarterly
Trichloroethylene	µg/L	grab	quarterly
1,4-dichlorobenzene	µg/L	grab	quarterly
1,1-dichloroethane	µg/L	grab	quarterly
1,2-dichloroethane	µg/L	grab	quarterly
1,1-dichloroethylene	µg/L	grab	quarterly
Vinyl Chloride	µg/L	grab	quarterly
Arsenic	µg/L	grab	quarterly
Cadmium	µg/L	grab	quarterly
Chromium	µg/L	grab	quarterly
Copper	µg/L	grab	quarterly
Lead	µg/L	grab	quarterly
Mercury	µg/L	grab	quarterly
Selenium	µg/L	grab	quarterly
Silver	µg/L	grab	quarterly
Total Petroleum Hydrocarbons	µg/L	grab	quarterly
Methyl Tertiary Butyl Ether (MTBE)	µg/L	grab	quarterly
Acute Toxicity	% Survival	grab	annually
Remaining EPA Priority Pollutants (See attached)	µg/L	grab	annually

#### IV. EFFLUENT TOXICITY TESTING

- A. The discharger shall conduct acute toxicity testing tests on 100% effluent grab samples by methods specified in 40 CFR Part 136 which cites USEPA's *Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms*, August 1993, (EPA/600/4-90/027F) or a more recent edition. Submission of bioassay results should include the information noted on pages 71-74 of the EPA/600/4-90/027F document.
- B. The fathead minnow, *Pimephales promelas*, shall be used as the test species for fresh water discharges and the topsmelt, *Atherinops affinis*, shall be used as the test species for brackish discharges. The method for topsmelt is found in USEPA's *Short-term Methods for Estimating the Chronic Toxicity of Effluents and Receiving Waters to West Coast Marine and Estuarine Organisms*, First Edition, August 1995, (EPA/600/R-95/136).

- C. 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

V. GENERAL PROVISIONS FOR REPORTING

- A. The discharger shall inform this Regional Board 24 hours before the start of the discharge.
- B. 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.
- C. 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.
- D. The monitoring report shall specify the USEPA analytical method used, the Method Detection Limit (MDL) and the Minimum Level (ML<sup>1</sup>) 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 numerical 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<sup>2</sup> chemical concentration of the sample shall also be reported; or
  3. "Not-Detected (ND)" for sample results less than the laboratory's MDL with the MDL indicated for the analytical method used.

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<sup>1</sup> 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 attached Appendix A.

<sup>2</sup> 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.

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 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.

VI. NOTIFICATION

A. 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.

B. The discharger shall notify the Regional Board via telephone and/or fax within 24 hours of noticing an exceedance above the effluent limits in Order No. 97-045. The discharger shall provide to the Regional Board within 14 days of observing the exceedance a detailed statement of the actions undertaken or proposed that will bring the discharge into full compliance with the requirements and submit a timetable for correction.

VII. 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:

July 18, 2002