



Winston H. Hickox
Secretary for
Environmental
Protection

California Regional Water Quality Control Board Los Angeles Region

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AC



Gray Davis
Governor

July 7, 2003

Mr. Mahmud Chaudhry
Assistant General Manager
City of Los Angeles, Department of Water and Power
111 North Hope Street
Box 51111
Los Angeles, CA 90051-0100

Certified Mail
Return Receipt Requested
No. 7002 2410 0005 0647 7577

REV ✓

Dear Mr. Chaudhry:

COVERAGE UNDER GENERAL NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMIT AND WASTE DISCHARGE REQUIREMENTS – CITY OF LOS ANGELES, DEPARTMENT OF WATER AND POWER, DISTRIBUTION STATION 87, 4926 MAPLEWOOD AVENUE, LOS ANGELES, CALIFORNIA (NPDES NO. CAG994002, CI-8601)

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 attached Fact Sheet and other information provided, we have determined that the proposed groundwater discharge meets the conditions to be regulated under Order No. 97-043, *General National Pollutant Discharge Elimination System Permit and Waste Discharge Requirements For Discharges of Treated Groundwater 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. 97-043 and Monitoring and Reporting Program No. CI-8601. 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 of Order No. 97-043 are applicable to your discharge. The groundwater discharge flows into Los Angeles River, between Figueroa Street and Los Angeles River Estuary. Therefore, the discharge limits in Attachment A.7.d of Order No. 97-043 are applicable to your discharge.

The Monitoring and Reporting Program requires you to implement the monitoring program on the effective date of coverage under 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-8601 and NPDES No. CAG994002", 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.

Mr. Mahmud Chaudhry
City of Los Angeles
Department of Water and Power

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July 7, 2003

We are sending a copy of Order No. 97-043 only to the applicant. For those on the mailing list, please refer to the Board Order previously sent to you. A copy of the Order will be furnished to anyone who requests it.

If you have any questions, please contact Raul Medina at (213) 620-2160.

Sincerely,



Dennis A. Dickerson
Executive Officer

Enclosures

General NPDES Permit No. CAG994002, Order No. 97-043
Fact Sheet
Monitoring and Reporting Program No. CI-8601
Appendix A – SWRCB Minimum Levels

cc: Environmental Protection Agency, Region 9, Permit Section (WTR-5)
U.S. Army Corps of Engineers
U.S. Fish and Wildlife Services, Division of Ecological Services
NOAA, National Marine Fisheries Service
Michael Lauffer, Office of Chief Counsel, State Water Resources Control Board
James Maughan, Division of Water Quality, State Water Resources Control Board
California Department of Fish and Game, Marine Resources, Region 5
California Department of Health Services, Environmental Branch
Los Angeles County, Department of Public Works, Environmental Programs Division
Los Angeles County, Department of Health Services

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

**FACT SHEET
WASTE DISCHARGE REQUIREMENTS
FOR**

**CITY OF LOS ANGELES, DEPARTMENT OF WATER AND POWER
(DISTRIBUTION STATION-87)**

**NPDES NO. CAG994002
CI-8601**

FACILITY ADDRESS

4926 Maplewood Avenue
Los Angeles, California

FACILITY MAILING ADDRESS

Los Angeles Department of Water and Power
111 North Hope Street, Room 1213
Los Angeles, CA 90012

PROJECT DESCRIPTION:

The City of Los Angeles, Department of Water and Power (LADWP) proposes to discharge *treated groundwater generated from construction dewatering* at the Distribution Station-87 Project located at 4926 Maplewood Avenue, Los Angeles. Because of site constraints at the project area, the groundwater generated at the site will be transported and treated at LADWP's Boylston Yard located at 1141 West 2nd Street, Los Angeles. The expected volume of groundwater generated at the project site is approximately 40,000 gallons. Due to the small volume of groundwater that will be generated, the treatment of groundwater can be done in one batch. Therefore, the discharge of treated groundwater will be a one-time event. The groundwater will pass through a treatment system before discharge to the storm drain.

VOLUME AND DESCRIPTION OF DISCHARGE:

Up to 40,000 gallons of treated groundwater will be discharged during the construction of the Distribution Station-87 Project. Groundwater will be discharged to storm drain along 2nd Street (Latitude: 34° 03' 30", Longitude: 118° 15' 17"). The discharge flows to Los Angeles River, a water of the United States. The site location map and process flow diagram are shown in Figures 1 and 2, respectively.

FREQUENCY OF DISCHARGE:

The discharge will be intermittent. The discharge will begin during the month of July 2003.

REUSE OF WATER:

Discharge to the sewer is not feasible because of high cost of sewer connection. The immediate vicinity of the site is commercial use. The pumped groundwater cannot be reused for irrigation because there are no immediate areas that will need irrigation at the site. Therefore, the majority of the groundwater will be discharged into the storm drain.

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

**MONITORING AND REPORTING PROGRAM NO. CI-8601
FOR
CITY OF LOS ANGELES, DEPARTMENT OF WATER AND POWER
(DISTRIBUTION STATION-7 PROJECT)
(NPDES NO. CAG994002)**

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, 2003. 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. Each monitoring report shall contain a separate section titled "Summary of Non-compliance" which discusses the compliance record and corrective action taken or planned that may be needed to bring the discharge into full compliance with waste discharge requirements. This section shall clearly list all non-compliance with waste discharge requirements, as well as all excursions of effluent limitations.
- E. Before commencing a new discharge, a representative sample of the effluent shall be collected and analyzed for toxicity and for all the constituents listed in E.1, E.2, and Attachment A.7.d, and the test results must meet all applicable limitations of Order No. 97-043.

II. SAMPLE COLLECTION REQUIREMENTS (AS APPROPRIATE)

- 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.

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 monitoring result indicate an exceedance of a limit contained in Order 97-043, 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 ,
 - 3. Semi-annually monitoring shall be increased to quarterly, and
 - 4. Annual monitoring shall be increased to semi-annually.

If three consecutive accelerated monitoring events demonstrate 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:

Constituent	Units	Type of Sample	Minimum Frequency of Analysis
Flow	gal/day	totalizer	continuously
pH	pH units	grab	once per discharge event ¹
Temperature	°F	grab	once per discharge event ¹
Total Dissolved Solids	mg/L	grab	once per discharge event ¹
Sulfate	mg/L	grab	once per discharge event ¹
Chloride	mg/L	grab	once per discharge event ¹

¹ Monthly sampling is required if the discharge continues for more than one month.

Constituent	Units	Type of Sample	Minimum Frequency of Analysis
Nitrogen ²	mg/L	grab	once per discharge event ¹
Total Suspended Solids	mg/L	grab	once per discharge event ¹
Turbidity	NTU	grab	once per discharge event ¹
BOD ₅ 20°C	mg/L	grab	once per discharge event ¹
Oil and Grease	mg/L	grab	once per discharge event ¹
Settleable Solids	ml/L	grab	once per discharge event ¹
Sulfides	mg/L	grab	once per discharge event ¹
Phenols	mg/L	grab	once per discharge event ¹
Phenolic Compounds (chlorinated)	µg/L	grab	once per discharge event ¹
Residual Chlorine	mg/L	grab	once per discharge event ¹
Detergents as Methylene Blue Active Substances (MBAS)	mg/L	grab	once per discharge event ¹
Benzene	µg/L	grab	once per discharge event ¹
Toluene	µg/L	grab	once per discharge event ¹
Ethylbenzene	µg/L	grab	once per discharge event ¹
Xylenes	µg/L	grab	once per discharge event ¹
Ethylene Dibromide	µg/L	grab	once per discharge event ¹
Carbon Tetrachloride	µg/L	grab	once per discharge event ¹
Tetrachloroethylene	µg/L	grab	once per discharge event ¹
Trichloroethylene	µg/L	grab	once per discharge event ¹
1,4-dichlorobenzene	µg/L	grab	once per discharge event ¹
1,1-dichloroethane	µg/L	grab	once per discharge event ¹
1,2-dichloroethane	µg/L	grab	once per discharge event ¹
1,1-dichloroethylene	µg/L	grab	once per discharge event ¹
Vinyl Chloride	µg/L	grab	once per discharge event ¹
Chromium	µg/L	grab	once per discharge event ¹
Arsenic	µg/L	grab	once per discharge event ¹
Cadmium	µg/L	grab	once per discharge event ¹
Copper	µg/L	grab	once per discharge event ¹
Lead	µg/L	grab	once per discharge event ¹
Mercury	µg/L	grab	once per discharge event ¹
Selenium	µg/L	grab	once per discharge event ¹
Silver	µg/L	grab	once per discharge event ¹
Total Petroleum Hydrocarbons	µg/L	grab	once per discharge event ¹
Methyl Tertiary Butyl Ether (MTBE)	µg/L	grab	once per discharge event ¹
Acute Toxicity	% survival	grab	annually

² Nitrate-nitrogen plus nitrite-nitrogen

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 Water to Freshwater and Marine Organisms, October 2002, (EPA/821-R-02-012) or a more recent edition. Submission of bioassay results should include the information noted on pages 109-113 of the EPA/821-R-02-012 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 Marine and Estuarine Organisms, Third Edition, October 2002, (EPA/821-R-02-014).
- 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 (ML³) for each pollutant. For the purpose of reporting compliance with numerical

³ 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.

2. "Detected, but Not Quantified (DNQ)" if results are greater than or equal to the laboratory's MDL but less than the ML. The estimated⁴ 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.

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. 97-043. 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.

⁴ 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.

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 7, 2003

/RM

Figure 1 – Site Location Map

DISTRIBUTING STATION-87

● Site Location-4926 Maplewood Ave.

● Water Storage Site-1141 W. 2nd St.



3773

3772

5'

3771

(LOS ANGELES) 2352 11 SW

3769

PROCESS FLOW DIAGRAM FOR CHROMIUM TREATMENT DISTRIBUTION STATION-87

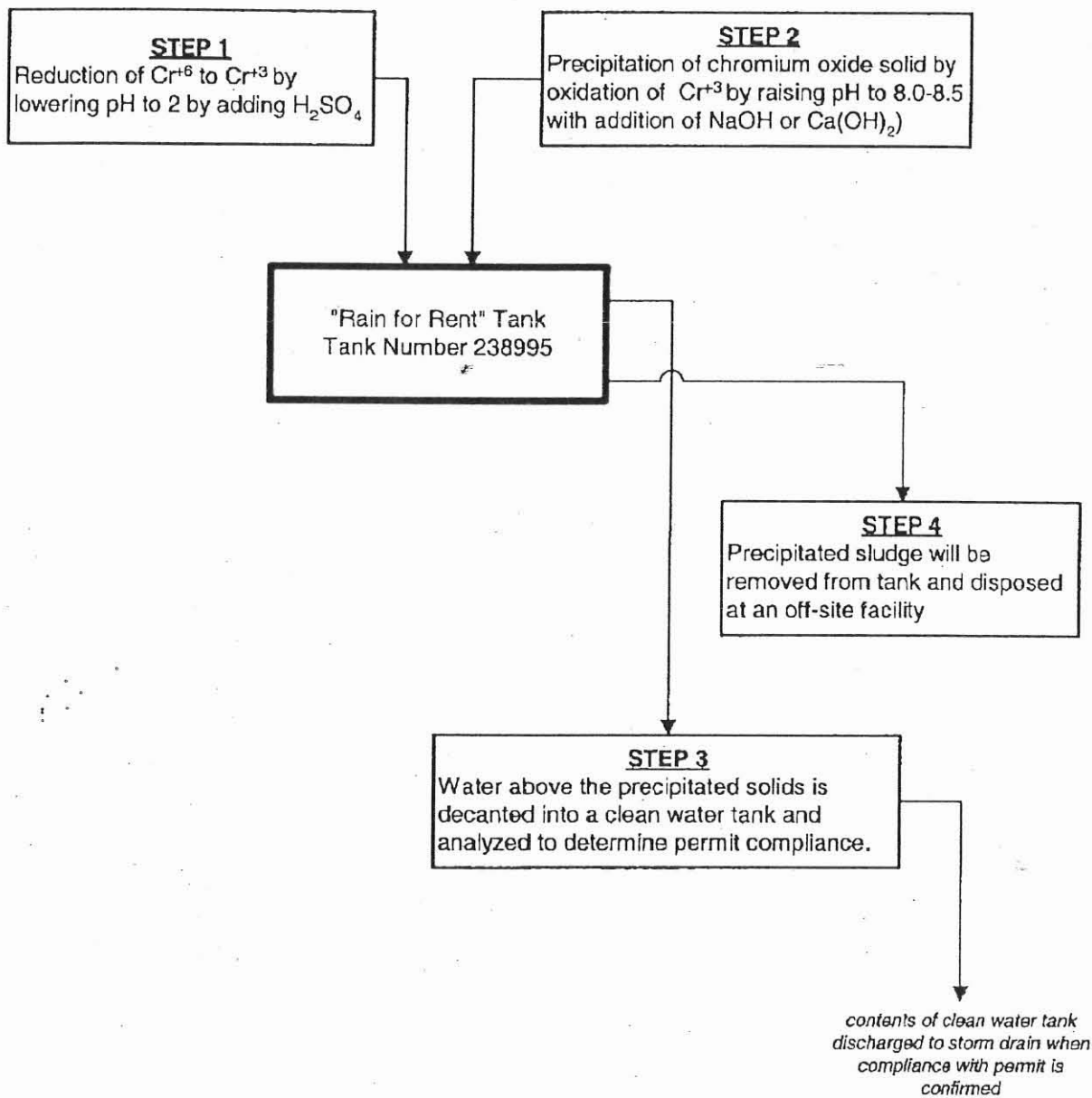


Figure 2 – Flow Schematic Diagram