



Winston H. Hickox
Secretary for
Environmental
Protection

California Regional Water Quality Control Board

Los Angeles Region

(50 Years Serving Coastal Los Angeles and Ventura Counties)

320 W. 4th Street, Suite 200, Los Angeles, California 90013
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Gray Davis
Governor

August 22, 2001

Mr. Terry S. Tamble
District Manager
California Water Service Company
21718 S. Alameda Street
Long Beach, CA 90810

Dear Mr. Tamble:

REVISION OF MONITORING AND REPORTING PROGRAM FOR GENERAL NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM AND WASTE DISCHARGE REQUIREMENTS – CALIFORNIA WATER SERVICE COMPANY, WELL NUMBERS 219-02, 275-01, 277-01, 279-01, CARSON, CALIFORNIA (NPDES NO. CAG994001, CI-7846)

In our letter dated December 2, 1997, we authorized you to discharge groundwater generated from well rehabilitation and pump start up activities under Order 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 the Coastal Watersheds of Los Angeles and Ventura Counties* which also serves as your NPDES permit.

We have reviewed your letter dated July 24, 2001, notifying the Regional Board of the change in the ownership of the above-referenced facility, and other changes in the facility's operations. We have revised your Monitoring and Reporting Program and have made the following changes:

- Replaced Well No 19A with a newly constructed Well No. 219-02. The well will undergo initial start up procedure in order to evacuate the water from the well casing. The well will be pumped for approximately 30 minutes at a rate of 2,000 gallons per minute.
- Transferred all NPDES permits issued to Dominguez Water Company to California Water Service Company and replaced the old well numbers with the newly assigned well numbers. On May 25, 2000, a change of ownership occurred. California Water Service Company acquired Dominguez Water Company. The parent company is now California Water Service Company.

Enclosed is your revised Monitoring and Reporting Program No. CI-7846. 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.

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>



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Mr. Terry S. Tamble
California Water Service Company

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August 22, 2001

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-7846 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.

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

Sincerely,



Dennis A. Dickerson
Executive Officer

Enclosures

Fact Sheet
Revised Monitoring and Reporting Program No. CI-7846
Appendix A – SWRCB Minimum Levels

cc: See attached mailing list

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Mailing List

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. Jorge Leon, Office of Chief Counsel, SWRCB
California Department of Fish and Game, Region 5
Los Angeles County, DPW, Environmental Programs Division
Los Angeles County, DPW, Flood Control Division
Los Angeles County, Department of Health Services
City of Long Beach

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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
CALIFORNIA WATER SERVICE COMPANY
(WELL NUMBERS: 219-02, 275-01, 277-01, 279-01)**

**NPDES NO. CAG994001
CI-7846**

FACILITY MAILING ADDRESS: 21718 S. Alameda Street
Long Beach, CA 90810

FACILITY ADDRESS:

New Well Number	Old Well Number	Well Location	Discharge Points (Storm Drains)
219-02	19A	419 E. Carson Street Carson, CA	Intersection of Carson St. and Grace Ave. Latitude: 33° 50' 37" Longitude: 118° 16' 15"
275-01	75A	24800 S. Main Street Carson, CA	Near the intersection of Lomita Blvd. and Main Street Latitude: 33° 48' 30" Longitude: 118° 16' 30"
277-01	77	22050 Westward Ave. Carson, CA	Westward Ave. near 405 Fwy. Latitude: 33° 49' 30" Longitude: 118° 14' 00"
279-01	79	22937 Avalon Street Carson, CA	22937 Avalon Street Latitude: 34° 51' 42" Longitude: 118° 16' 30"

PROJECT DESCRIPTION:

The California Water Service Company proposes to discharge groundwater generated during the pump start up of Well No. 219-02. The well will be purged for approximately 30 minutes and the evacuated water will be discharged to the storm drain. Once operational, the well will be running continuously and will only be shut down when mechanical and/or electrical failure occurs. Well Numbers 275-01, 277-01, and 279-01 are currently running continuously and will only be shutdown when mechanical and/or electrical failure occurs. Once every two years, a well rehabilitation will be performed in any of the four wells as the need arises.

VOLUME AND DESCRIPTION OF DISCHARGE:

Up to 0.10 million gallons per day (mgd) per well of groundwater will be discharged during the pump start up activities. The pump start up for Well Number 219-02 will be initiated during the month of August 2001.

Up to 1.0 mgd per well of groundwater can be discharged during the well rehabilitation activities. The groundwater will be discharged into the storm drains as tabulated in the previous section. Discharge to the storm drain flows into the Dominguez Channel, a water of the United States.

FREQUENCY OF DISCHARGE:

The discharge will be intermittent for the duration of the project.

REUSE OF WATER:

Water reuse alternatives and its applicability at the site were evaluated. Due to intermittent flow and the inability to economically transport the waste water for reuse, the groundwater will be discharged into the storm drain.

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

**REVISED MONITORING AND REPORTING PROGRAM NO. CI-7846
FOR
CALIFORNIA WATER SERVICE COMPANY
(WELL NUMBERS: 219-02, 275-01, 277-01, 279-01)
(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	April 15
April - June	July 15
July - September	October 15
October - December	January 15
Annual Summary Report	March 15

- B. The first monitoring report under this Program is due by October 15, 2001. 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 shall be analyzed, and test results must meet all discharge limitations in Part E and Attachment B of Order No. 97-045.

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.

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 97-045, the discharge shall be terminated and shall only be resumed after remedial measures have been implemented and full compliance with the requirements has been 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 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:

<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 ₅ 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

<u>Constituent</u>	<u>Units</u>	<u>Type of Sample</u>	<u>Minimum Frequency of Analysis</u>
Ethylbenzene	µg/L	grab	quarterly
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. Acute Toxicity shall be conducted 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 for freshwater discharges.
- B. 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 Effluent and Receiving Waters to West Coast Marine and Estuarine to Freshwater Organisms*, First Edition, August 1995, (EPA/600/4-95/136).
- 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 (ML¹) 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 estimated² 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

¹ 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 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.

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:

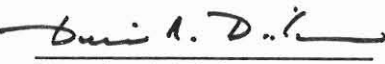
1. Name and general composition of the chemical,
2. Frequency of use,
3. Quantities to be used,
4. Proposed discharge concentrations and,
5. EPA registration number, if applicable.

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: August 22, 2001

/RM

THE UNIVERSITY OF CHICAGO
DIVISION OF THE PHYSICAL SCIENCES

REPORT OF THE
COMMISSION ON THE STATUS OF THE
PHYSICAL SCIENCES IN THE
UNITED STATES

PRESENTED TO THE
COMMISSION ON THE STATUS OF THE
PHYSICAL SCIENCES IN THE
UNITED STATES

BY THE
COMMISSION ON THE STATUS OF THE
PHYSICAL SCIENCES IN THE
UNITED STATES

IN RESPONSE TO THE
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OF THE
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