



California Regional Water Quality Control Board

Los Angeles Region



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
Internet Address: <http://www.swrcb.ca.gov/~rwqcb4>

Gray Davis
Governor

June 12, 2000

Mr. Jason J. Wen
Southern California Water Company
12035 Burke Street #1
Santa Fe Springs, CA 90670

Dear Mr. Wen:

COVERAGE UNDER GENERAL NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT AND WASTE DISCHARGE REQUIREMENTS – SOUTHERN CALIFORNIA WATER COMPANY, PRIORITY SITE, BELL GARDENS, CALIFORNIA (NPDES NO. CAG994002, CI-8141)

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

Southern California Water Company (SCWC) proposes to intermittently discharge groundwater during routine maintenance of a water supply well located at 5446 Priory Street in Bell Gardens. Before discharge, the wastewater is treated through pH neutralization, solid settling, and chlorination/dechlorination processes. SCWC proposes to discharge wastewater at rates up to 1,000 gallons per minute to a storm drain located on Priory Street (Latitude 33°57'51", Longitude 118°09'56") thence to the Los Angeles River, a water of the United States, above the estuary.

SCWC indicated that, due to the intermittent and limited quantity of wastewater to be generated, it is not economically feasible or practical to reuse the water.

We have reviewed the information provided and determined that the proposed discharge of groundwater meets the conditions specified in 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 General NPDES permit, consisting of Order No. 97-043 and Monitoring and Reporting Program No. CI-8141.

Before commencing any discharge, a representative sample shall be taken and analyzed to determine compliance with the discharge limitations in Part E and Attachment A.7.d. of Order No. 97-043.

You are required to implement the "Monitoring and Reporting Program" on the first day of discharge. All monitoring reports shall be submitted quarterly and should be sent to the Regional Board, ATTN: Information Technology Unit.

California Environmental Protection Agency



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

Mr. Jason J. Wen
Priority Site

- 2 -

June 12, 2000

When submitting monitoring or technical reports to the Regional Board per these requirements, please include a reference to "Compliance File No. CI-8141 and NPDES No. CAG994002" to assure that the reports are directed to the appropriate file and staff. Please do not combine your discharge monitoring reports with other technical reports. Submit each type of report as a separate document.


This permit is issued only for the discharge of wastewater from well maintenance activities. Any other type of discharge must be permitted separately.

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

We are sending 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 Dan Radulescu at (213) 576-6668.

Sincerely,



Dennis A. Dickerson
Executive Officer

Enclosure: Monitoring and Reporting Program (CI-8141)
Order No. 97-043

cc: U. S. Environmental Protection Agency, Region 9, Clean Water Act Standards
and Permits Office (WTR-5)
U.S. Army Corps of Engineers
NOAA, National Maritime Fisheries Service
Department of Interior, U.S. Fish and Wildlife Service
Mr. John Youngerman, Division of Water Quality, SWRCB
Mr. Jorge Leon, Office of Chief Counsel, SWRCB
California Department of Fish and Game, Region 5
California Department of Health Services, Drinking Water and Field Operations Branch
Los Angeles County, DPW, Flood Control Division
Los Angeles County, DPW, Environmental Programs Division
Los Angeles County, Department of Health Services
City of Bell Gardens, Public Works Department

DanR/socalwatercopriory.doc

California Environmental Protection Agency



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

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

**MONITORING AND REPORTING PROGRAM NO. CI-8141
SOUTHERN CALIFORNIA WATER COMPANY- PRIORITY SITE
(NPDES NO. CAG994002)**

The discharger shall implement this monitoring program on the effective date of this permit. The Regional Board must receive monitoring reports 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

Before commencing any discharge, a representative sample shall be analyzed, and the test results must meet all discharge limitations in Part E and Attachment A.7.d. of Order No. 97-043. Your first monitoring report under this program for June 2000 is due by July 15, 2000.

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

If there is no discharge during any reporting period, the report shall so state.

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 inspection before discharge. If oil sheen, debris, and/or other objectionable materials or odors are present, discharge shall not be commenced before compliance with the requirements is ascertained. All visual observations shall be included in the monitoring report.

The Discharger shall notify this Regional Board in writing of the location(s) of the sampling stations once established.

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]
Total waste flow	gal/day	-----	monthly
Settleable solids	ml/L	grab	twice per discharge event ^[4]
Total suspended solids	mg/L	grab	twice per discharge event ^[4]
Turbidity	NTU	grab	twice per discharge event ^[4]
BOD ₅ 20°C	mg/L	grab	once per discharge event

<u>Constituent</u>	<u>Units</u>	<u>Type of Sample</u>	<u>Minimum Frequency of Analysis</u> ^[1,2]
Oil and grease	mg/L	grab	once per discharge event
Temperature	°F	grab	once per discharge event
pH	pH units	grab	twice per discharge event ^[4]
Sulfides	mg/L	grab	once per discharge event
Phenols	mg/L	grab	annually
Phenolic compounds (chlorinated)	µg/L	grab	annually
Residual chlorine	mg/L	grab	twice per discharge event ^[4]
Total dissolved solids	mg/L	grab	once per discharge event
Nitrate-nitrogen plus nitrite-nitrogen	mg/L	grab	once per discharge event
Sulfate	mg/L	grab	once per discharge event
Chloride	mg/L	grab	once per discharge event
Detergents as MBAS	mg/L	grab	annually
Benzene	µg/L	grab	annually
Toluene	µg/L	grab	annually
Ethylbenzene	µg/L	grab	annually
Xylene	µg/L	grab	annually
Ethylene dibromide	µg/L	grab	annually
Carbon tetrachloride	µg/L	grab	annually
Tetrachloroethylene	µg/L	grab	annually
Trichloroethylene	µg/L	grab	annually
1,4-dichlorobenzene	µg/L	grab	annually
1,1-dichloroethane	µg/L	grab	annually
1,2-dichloroethane	µg/L	grab	annually
1,1-dichloroethylene	µg/L	grab	annually
Vinyl chloride	µg/L	grab	annually

<u>Constituent</u>	<u>Units</u>	<u>Type of Sample</u>	<u>Minimum Frequency of Analysis</u> ^(1,2)
Arsenic	µg/L	grab	annually
Cadmium	µg/L	grab	annually
Chromium	µg/L	grab	annually
Copper	µg/L	grab	annually
Lead	µg/L	grab	annually
Mercury	µg/L	grab	annually
Selenium	µg/L	grab	annually
Silver	µg/L	grab	annually
Total petroleum hydrocarbons	µg/L	grab	annually
Methyl tertiary butyl ether (MTBE)	µg/L	grab	annually
Acute toxicity ^[3]	% survival	grab	at the beginning of discharge

[1] If any constituent exceeds the limit in Order No. 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. The Discharger shall inform this Regional Board by telephone within 24 hours from the time the exceedance is discovered.

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

[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 yield a survival of less than 90%, then the frequency of analysis shall be increased to once per discharge event until at least three consecutive test results have been obtained and full compliance with Effluent Limitation E.7. of this Order has been demonstrated, after which the frequency of analysis shall revert to annually. Results of toxicity tests shall be included in the first monitoring report following sampling.

[4] At the beginning and at the end of the discharge.

II. Reporting and Laboratory Analyses

The Discharger shall inform this Regional Board of the termination of the discharge and when coverage under the General Permit is no longer needed.

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.

Samples must be analyzed within allowable holding time limits as specified in 40 CFR Part 136.3. All QA/QC items should be run on the same dates when samples were actually analyzed and documentation shall accompany the laboratory reports.

The detection limits employed for effluent analyses shall be lower than the permit limits established for a given parameter, unless the discharger demonstrates that a particular detection limit is not attainable and obtains approval for a higher detection limit from the Executive Officer.

III. Notification


The Discharger shall notify the Executive Officer in writing prior to discharge of any chemical that 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 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 requests such and the request is supported by statistical trends of monitoring data submitted.

Ordered by: 
Dennis A. Dickerson
Executive Officer

Date: June 12, 2000

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
SOUTHERN CALIFORNIA WATER COMPANY
(PRIORY SITE)

NPDES NO. CAG994002
CI-8141

FACILITY ADDRESS

5446 Priory Street
Bell Gardens, CA 90201

FACILITY MAILING ADDRESS

12035 Burke Street, #1
Santa Fe Springs, CA 90670

PROJECT DESCRIPTION:

Southern California Water Company proposes to discharge treated groundwater to the storm drain from 5446 Priory Street, Bell Gardens, California. The groundwater is generated from routine maintenance of a domestic water supply well. Well perforations get clogged over the years by mineral deposits, sand, silt and biofilm. Water purveyors periodically treat production wells to increase production yield, and the treatment typically will last no more than a month.

The treatment begins by injecting 300 to 500 gallons of muriatic acid, followed by surging the well, agitating the casing by mechanical means, wire brushing and bailing of the loose particles. After bailing and pumping out all the loose particles, the well is treated with approximately 500 gallons of sodium hypochlorite, and then surged and pumped to on-site storage tanks. All wastewater from the well is accumulated in 20,000 gallon sedimentation storage tanks where the muriatic acid will be neutralized, the sodium hypochlorite will be neutralized with a dechlorination agent, and the particles will be settled to the bottom prior to discharge.

VOLUME AND DESCRIPTION OF DISCHARGE:

Up to 0.48 million gallons per day of treated wastewater will be discharged to a catch basin located adjacent to 5446 Priory Street in Bell Gardens (Latitude: 33° 57' 51", Longitude: 118° 09' 56"). The wastes flow to the Los Angeles River, a water of the United States.

FREQUENCY OF DISCHARGE:

The discharge is intermittent.

REUSE OF WATER:

Based on the geography of the site and the nature of the project, there are no feasible reuse options, therefore the treated water will be discharged to the storm drain.

California Environmental Protection Agency

 Recycled Paper

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