



California Regional Water Quality Control Board

Los Angeles Region



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February 27, 2007

Mr. Patrick Scanlon
Golden State Water Company
12035 Burke Street, Suite 1
Santa Fe Springs, CA 90670

Certified Mail
Return Receipt Requested
Claim No. 7003 0500 0000 5777 4719

Dear Mr. Scanlon:

REVISED MONITORING AND REPORTING PROGRAM, GENERAL NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM AND WASTE DISCHARGE REQUIREMENTS—GOLDEN STATE WATER COMPANY, CENTURY PLANT, 7128 CENTURY BOULEVARD, PARAMOUNT, CALIFORNIA (NPDES NO. CAG994003, CI-8240)

Discharge of groundwater generated from the above-referenced facility is currently regulated under General NPDES Permit No. CAG994003, Order No. R4-2004-0058 adopted by this Board on August 7, 2003. Southern California Water Company was enrolled under this general NPDES permit on September 30, 2004. Golden State Water Company has requested a revision of its coverage to include effluent limitation and treatment for arsenic and name change from Southern California Water Company to Golden State Water Company.

Staff has reviewed your request and concurs with your proposed revisions. Enclosed is the revised MRP No. CI 8240, which replaces your existing MRP. This revised Monitoring and Reporting Program is effective upon receipt. 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-8240 and NPDES No. CAG994003", 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.

We are sending a copy of Order No. R4-2004-0058 only to the applicant. For those on the mailing list, please refer to the Board Order sent to you previously or download a copy of the Order from our website at http://www.swrcb.ca.gov/rwqcb4/html/permits/general_permits.html.

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.

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

Sincerely,

FW *David A. Bachowski, AEO*
Jonathan S. Bishop
Executive Officer

Enclosures:

General NPDES No. CAG994003, Order No. R4-2004-0058
Fact Sheet
Revised Monitoring and Reporting Program No. CI-8240

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
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 Program Division
Los Angeles County, Department of Public Works, Flood Control Division
Los Angeles County, Department of Health Services
City of Paramount, Department of Public Works
Sunil Kesavapillai, Golden State Water Company
Katherine Brophy, Golden State Water Company
Lee Solomon, Tetrtech

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

**REVISED FACT SHEET
WASTE DISCHARGE REQUIREMENTS
FOR**

**GOLDEN STATE WATER COMPANY
(CENTURY PLANT)**

**(ORDER NO. R4-2003-0058)
NPDES NO. CAG994003
CI-8240**

FACILITY ADDRESS

7128 Century Boulevard
Paramount, CA 90723

FACILITY MAILING ADDRESS

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

PROJECT DESCRIPTION:

Golden State Water Company (GSWC), formerly known as Southern California Water Company (SCWC) owns and operates a potable water supply treatment plant located at 7128 Century Boulevard, Paramount. The Century Plant consists of a treatment system for the removal of manganese from groundwater. The groundwater is passed through four pressure filters containing pyrolusite media for adsorption/filtration. The treated water is used for potable supply. Filter backwash frequency and duration are approximately 20 minutes, every day of operation. The backwash wastewater is discharged to the storm drain. This permit will include groundwater discharge from developing, aquifer/pumping tests and construction of wells associated with the Century Plant, under the General NPDES permit.

On September 30, 2004, the SCWC (now GSWC) was enrolled under the general NPDES permit No. CAG994003 for filter backwash discharge. At that time, the Century plant consisted of only pyrolusite filters for manganese removal. GSWC added GFH filters for arsenic removal in January 2006 to comply with the new arsenic standard. In the January 26, 2006 letter, Golden State California Water Company requested a revision of its coverage under the general permit to include effluent limitation and treatment for arsenic. In addition, on October 1, 2005, Southern California Water Company changed its name to Golden State Water Company. Staff has reviewed your request and concurs with your proposed revisions.

VOLUME AND DESCRIPTION OF DISCHARGE:

Approximately 30,000 gallons per day (gpd) of backwash wastewater is discharged into the storm drain located at Century Boulevard (Latitude: 33° 55' 02", Longitude: 118° 10' 25"). However, up to 2.5 million gallons per day (mgd) of groundwater will be discharged during well development-related activities at the Century Plant. Discharge from the storm drain flows into the Los Angeles River (between Figueroa Street and Los Angeles River Estuary), a water of the United States. The site location map and waste flow are shown in Figures 1 and 2.

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APPLICABLE EFFLUENT LIMITATIONS

Based on the information provided in the NPDES Application Supplemental Requirements, the following constituents listed on the Table below have been determined to show reasonable potential to exist in the discharge. The effluent limitations in Attachment B.7.d. are applicable to your discharge.

This Table lists the specific constituents and effluent limitations applicable to the discharge.

Constituents	Units	Discharge Limitations	
		Daily Maximum	Monthly Average
Total Dissolved Solids	mg/L	1500	
Sulfate	mg/L	350	
Chloride	mg/L	190	
Nitrogen ¹	mg/L	8	
Arsenic	µg/L	50	
Total Suspended Solids	mg/L	150	50
Turbidity	NTU	150	50
BOD ₅ 20°C	mg/L	30	20
Oil and Grease	mg/L	15	10
Settable Solids	ml/L	0.3	0.1
Sulfides	mg/L	1.0	
Residual Chlorine	mg/L	0.1	
Methylene Blue Active Substances (MBAS)	mg/L	0.5	

FREQUENCY OF DISCHARGE:

The discharge of wastewater will be intermittent.

REUSE OF WATER:

Offsite disposal of wastewater is not feasible due to high cost of disposal. The vicinity has no landscaped areas that require irrigation. Since there are no feasible reuse options, the majority of wastewater will be discharged into the Los Angeles River in compliance with the attached Order.

¹ Nitrate-nitrogen plus nitrite-nitrogen

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

**REVISED MONITORING AND REPORTING PROGRAM NO. CI-8240
FOR
GOLDEN STATE WATER COMPANY
(CENTURY PLANT)

(NPDES NO. CAG994003)**

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

- B. The first monitoring report under this Program is due by May 15, 2007. 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 Part E.1. of Order No. R4-2004-0058. The test result must meet all applicable discharge limitations. (Note: This requirement does not apply to existing discharges.)

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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 R4-2004-0058, 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 ¹
pH	pH units	grab	monthly

¹ Record the monthly total flow and report the calculated daily average flow and monthly flow in the quarterly and annual reports, as appropriate.

Constituent	Units	Type of Sample	Minimum Frequency of Analysis
Temperature	°F	grab	monthly
Total Dissolved Solids	mg/L	grab	monthly
Sulfate	mg/L	grab	monthly
Chloride	mg/L	grab	monthly
Nitrogen ²	mg/L	grab	monthly
Total Suspended Solids	mg/L	grab	monthly
Arsenic	µg/L	grab	monthly
Turbidity	NTU	grab	monthly
BOD ₅ 20°C	mg/L	grab	monthly
Settleable Solids	ml/L	grab	monthly
Residual Chlorine	mg/L	grab	monthly
Oil and Grease	mg/L	grab	quarterly
Sulfides	mg/L	grab	quarterly
Methylene Blue Active Substances (MBAS)	mg/L	grab	quarterly
Acute Toxicity	% survival	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 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 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

² Nitrate-nitrogen plus nitrite-nitrogen

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. As required in part H.5. of Order R4-2004-0058, the monitoring report shall specify the USEPA analytical method used, the Method Detection Limit and the Minimum Level for each pollutant.

VI. COMPLIANCE DETERMINATION (AS APPLICABLE)

- A. Compliance with single constituent effluent limitation – If the concentration of the pollutant in the monitoring sample is greater than the effluent limitation and greater than or equal to the reported Minimum Level (see Monitoring and Reporting Requirements Section H.5. of Order R4-2004-0058), then the Discharger is out of compliance.
- B. Compliance with monthly average limitations - In determining compliance with monthly average limitations, the following provisions shall apply to all constituents:
 - a. If the analytical result of a single sample, monitored monthly, quarterly, semiannually, or annually, does not exceed the monthly average limit for that constituent, the Discharger has demonstrated compliance with the monthly average limit for that month.
 - b. If the analytical result of a single sample, monitored monthly, quarterly, semiannually, or annually, exceeds the monthly average limit for any constituent, the Discharger shall collect four additional samples at approximately equal intervals during the month. All five analytical results shall be reported in the monitoring report for that month, or 45 days after results for the additional samples were received, whichever is later.

When all sample results are greater than or equal to the reported Minimum Level (see Monitoring and Reporting Requirements Section H.5. of Order R4-2004-0058), the numerical average of the analytical results of these five samples will be used for compliance determination.

When one or more sample results are reported as “Not-Detected (ND)” or “Detected, but Not Quantified (DNQ)” (see Monitoring and Reporting Requirements Section H.5. of Order R4-2004-0058), the median value of these four samples shall be used for compliance determination. If one or both of the middle values is ND or DNQ, the median shall be the lower of the two middle values.

- c. In the event of noncompliance with a monthly average effluent limitation, the sampling frequency for that constituent shall be increased to weekly and shall continue at this level until compliance with the monthly average effluent limitation has been demonstrated.
 - d. If only one sample was obtained for the month or more than a monthly period and the result exceed the monthly average, then the Discharger is in violation of the monthly average limit.
- C. Compliance with effluent limitations expressed as a sum of several constituents – If the sum of the individual pollutant concentrations is greater than the effluent limitation, then the Discharger is out of compliance. In calculating the sum of the concentrations of a group of pollutants, consider constituents reported as ND or DNQ to have concentrations equal to zero, provided that the applicable ML is used.
- D. Compliance with effluent limitations expressed as a median – in determining compliance with a median limitation, the analytical results in a set of data will be arranged in order of magnitude (either increasing or decreasing order); and
- a. If the number of measurements (n) is odd, then the median will be calculated as $X_{(n+1)/2}$, or
 - b. If the number of measurements (n) is even, then the median will be calculated as $[X_{n/2} + X_{(n/2)+1}]/2$, i.e. the midpoint between the $n/2$ and $n/2+1$ data points.
- E. In calculating mass emission rates from the monthly average concentrations, use one half of the method detection limit for “Not Detected” (ND) and the estimated concentration for “Detected, but Not Quantified” (DNQ) for the calculation of the monthly average concentration. To be consistent with section VI.C., if all pollutants belonging to the same group are reported as ND or DNQ, the sum of the individual pollutant

concentrations should be considered as zero for the calculation of the monthly average concentration.

VII. 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. R4-2004-0058. 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.

VIII. 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 justified by statistical trends of monitoring data submitted. However, monitoring frequency may also increase based on site-specific conditions.

Ordered by:

Jonathan S. Bishop
Jonathan S. Bishop
Executive Officer

Date: February 27, 2007

/vbc