



EDMUND G. BROWN JR.  
GOVERNOR

MATTHEW RODRIGUEZ  
SECRETARY FOR  
ENVIRONMENTAL PROTECTION

## Los Angeles Regional Water Quality Control Board

May 9, 2012

Mr. Mike Oakley  
City of San Buenaventura-Ventura Water  
336 San Jon Road  
P.O. Box 99  
Ventura, CA 93002-0099

Certified Mail  
Return Receipt Requested  
Claim No. 7004 1160 0002 8028 1987

### **COVERAGE UNDER GENERAL NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM AND WASTE DISCHARGE REQUIREMENTS—CITY OF SAN BUENAVENTURA-VENTURA WATER, SATICOY WELL NO. 3, 11183 ASTER STREET, VENTURA, CALIFORNIA (NPDES NO. CAG994005, CI—9825)**

Dear Mr. Oakley:

We have completed our review of your application for a permit to discharge wastewater under the National Pollutant Discharge Elimination System (NPDES). Up to 2.88 million gallons per day of groundwater will be discharged during Saticoy Well No. 3 construction, development and aquifer pumping test. It will be necessary to discharge at this rate during the pumping tests so as to properly develop the well. Well development and aquifer tests will be completed within two weeks after the well construction.

Based on the information provided, the proposed discharge of groundwater meets the conditions to be regulated under Order No. R4-2003-0108, *General National Pollutant Discharge Elimination System and Waste Discharge Requirements for Discharges of Groundwater from Potable Water Supply Wells to Surface Waters in Coastal Watersheds of Los Angeles and Ventura Counties*, adopted by this Board on August 7, 2003.

Enclosed are your Waste Discharge Requirements, which also serve as your NPDES permit, consisting of Order No. R4-2003-0108 and Monitoring and Reporting Program No. CI-9825. Since the groundwater analytical data provided meets the screening criteria, full enrollment under this general permit is authorized and the discharge limitations in Part E.1. of Order No. R4-2003-0108 are applicable to your discharge. The wastewater discharge flows into Saticoy Drain, thence into the Santa Clara River (between Freeman Diversion Dam near Saticoy and Highway 101 Bridge). Therefore, the discharge limitations in Attachment B.3.g. of Order No. R4-2003-0108 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-9825 and NPDES No. CAG994005", 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.

MARIA MEHRANIAN, CHAIR | SAMUEL UNGER, EXECUTIVE OFFICER

320 West 4th St., Suite 200, Los Angeles, CA 90013 | [www.waterboards.ca.gov/losangeles](http://www.waterboards.ca.gov/losangeles)

Mr. Mike Oakley  
City of San Buenaventura-Ventura Water  
(Saticoy Well No. 3)  
CI-9825

- 2 -

May 9, 2012

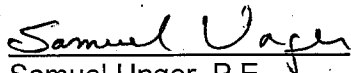
To avoid paying future annual fees, please submit written request for termination of your enrollment under the general permit in a separate letter, when your project has been completed and the permit is no longer needed.

The Regional Water Board is implementing a paperless office system to reduce paper use, increase efficiency and provide a more effective way for our staff, the public and interested parties to view water quality documents. Therefore, please convert all regulatory documents, submissions, data and correspondence that you would normally submit to us as hard copies to a searchable Portable Document Format (PDF). Documents that are less than 10 megabyte (MB) should be emailed to [losangeles@waterboards.ca.gov](mailto:losangeles@waterboards.ca.gov). Documents that are 10 MB or larger should be transferred to a disk and mailed to the address listed above. If you need additional information regarding electronic submittal of documents please visit the Regional Water Board's website listed above and navigate to Paperless Office.

We are sending a copy of Order No. R4-2003-0108 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, or it can be obtained at our website address at [http://www.waterboards.ca.gov/losangeles/board\\_decisions/adopted\\_orders/](http://www.waterboards.ca.gov/losangeles/board_decisions/adopted_orders/)

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

Sincerely,



Samuel Unger, P.E.  
Executive Officer

Enclosures:

General NPDES No. CAG994005, Order No. R4-2003-0108  
Fact Sheet  
Monitoring and Reporting Program No. CI-9825

cc: Environmental Protection Agency, Region 9, Permit Section (WTR-5)  
U.S. Army Corps of Engineers  
NOAA, National Marine Fisheries Service  
Department of Interior, U.S. Fish and Wildlife Service  
State Water Resources Control Board, NPDES\_Wastewater@waterboard.ca.gov  
California Department of Fish and Game, Marine Resources, Region 5  
California Coastal Commission  
Ventura County, Department of Public Works, Flood Control Division  
Ventura Regional Sanitation District  
Ventura County Watershed Protection District  
Jae Kim, Tetrattech  
Elizabeth Cooper, City of San Buenaventura, Water Department

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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 SAN BUENAVENTURA-VENTURA WATER  
(SATICOY WELL NO. 3)

(ORDER NO. R4-2003-0108, SERIES NO. 126)  
NPDES NO. CAG994005

CI-9825

**FACILITY ADDRESS**

11183 Aster Street  
Ventura, CA 93004

**FACILITY MAILING ADDRESS**

336 San Jon, P.O. Box 99  
Ventura, CA 93002-0099

**PROJECT DESCRIPTION:**

City of San Buenaventura-Ventura Water, proposes to discharge groundwater associated with well development and pumping tests from Saticoy Well No. 3. The facility is located at 11183 Aster Street, Ventura. Approximately 2.88 million gallons per day (MGD) of groundwater will be discharged. This high rate of discharge is necessary to properly test the aquifer to determine the well productive capacity and to properly size the well pump. A desilting tank will be installed to allow sediment to settle out from the groundwater before the discharge. Well development and aquifer tests will be completed within two weeks.

**VOLUME AND DESCRIPTION OF DISCHARGE:**

Approximately 2.88 MGD of groundwater will be discharged to the stormdrain located along Aster Street (Latitude: 34° 17' 10", Longitude: 119° 08' 55"). The discharge will be intermittent and will last approximately two weeks. The discharge from the stormdrain flows into Saticoy Drain, thence into the Santa Clara River, waters of the United States. The site location map is shown in Figure 1.

**APPLICABLE EFFLUENT LIMITATIONS**

Based on the information provided in the NPDES Application Supplemental Requirements, the following constituents listed in the Table below have been determined to show reasonable potential to exist in your discharge. The discharge of groundwater flows into Saticoy Drain, thence into the Santa Clara River. (between Freeman Diversion Dam near Saticoy and Highway 101 Bridge). Therefore, the discharge limitations in Attachment B.3.g. of Order No. R4-2003-0108 are applicable to your discharge.

May 9, 2012

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

Constituents	Units	Discharge Limitations	
		Daily Maximum	Monthly Average
Total Dissolved Solids	mg/L	1200	
Sulfate	mg/L	600	
Chloride	mg/L	150	
Boron	mg/L	1.5	
Total Suspended Solids	mg/L	150	50
Turbidity	NTU	150	50
BOD <sub>5</sub> 20°C	mg/L	30	20
Settleable Solids	ml/L	0.3	0.1
Residual Chlorine	mg/L	0.1	---

**FREQUENCY OF DISCHARGE:**

The discharge will be intermittent and will last approximately two weeks.

**REUSE OF WATER:**

Due to lack of landscaping area at the site for irrigation use and the inability to economically transport the water offsite for reuse, an alternative method of disposal is not feasible. Therefore, the groundwater will be discharged to the Saticoy Drain, thence into the Santa Clara River in compliance with the requirements of the attached order.

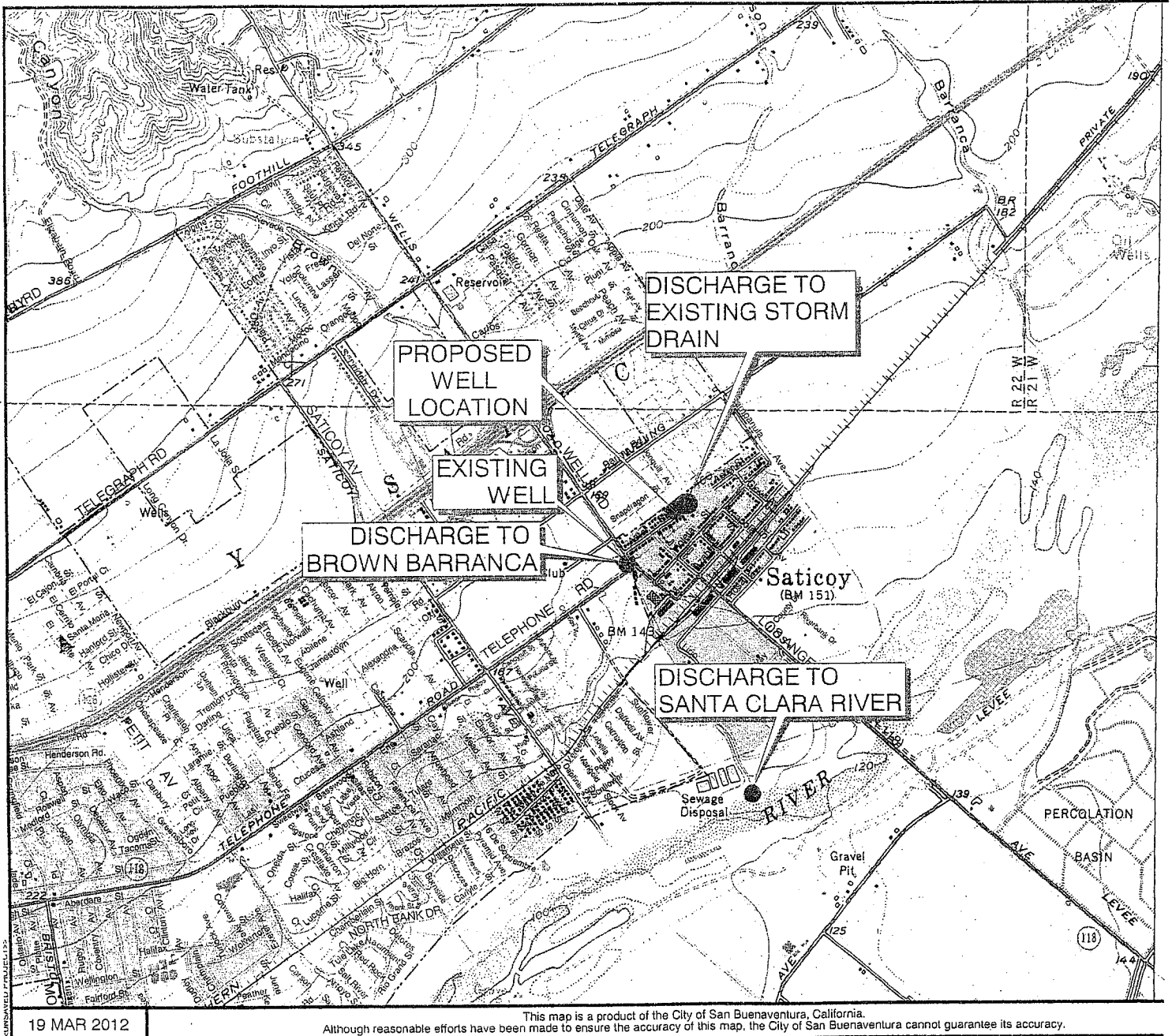


FIGURE 1

CITY OF SAN BUENAVENTURA-VENTURA WATER  
(SATICOY WELL NO. 3)

CI-9825

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

**MONITORING AND REPORTING PROGRAM NO. CI-9825  
FOR  
CITY OF SAN BUENAVENTURA-VENTURA WATER  
(SATICOY WELL NO. 3)**

**(ORDER NO. R4-2003-0108, SERIES NO. 126)  
(NPDES NO. CAG994005)**

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 August 15, 2012. 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 all the constituents listed in the Fact Sheet and the test results must meet all applicable limitations of Order No. R4-2003-0108.

May 9, 2012

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 results indicate an exceedance of a limit contained in Order R4-2003-0108, 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 <sup>1</sup>
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
Settleable Solids	ml/L	grab	monthly
Residual Chlorine	mg/L	grab	monthly
Total Dissolved Solids	mg/L	grab	monthly
Sulfate	mg/L	grab	monthly
Chloride	mg/L	grab	monthly
Boron	mg/L	grab	monthly
Acute Toxicity	% survival	grab	annually

#### IV. EFFLUENT TOXICITY TESTING

- A. The discharger shall conduct acute toxicity testing tests on 100% of the 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.

<sup>1</sup>

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



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 certification 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.4. of Order No. R4-2003-0108, 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.4. of Order R4-2003-0108), 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.4. of Order R4-2003-0108), 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.4. of Order R4-2003-0108), 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,

Ordered by: Samuel Unger  
Samuel Unger, P.E.  
Executive Officer

Date: May 9, 2012

/vbc