



California Regional Water Quality Control Board Los Angeles Region



Matthew Rodriquez
Secretary for Environmental
Protection

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<http://www.waterboards.ca.gov/losangeles>

Edmund G. Brown Jr.
Governor

December 22, 2011

CERTIFIED MAIL No. 7001 2510 0002 2221 8881
RETURN RECEIPT REQUESTED

Mr. Robb Whitaker
Water Replenishment District of Southern California
4040 Paramount Boulevard
Lakewood, CA 90712

Dear Mr. Whitaker:

**REVISED COVERAGE UNDER GENERAL NATIONAL POLLUTANT DISCHARGE
ELIMINATION SYSTEM AND WASTE DISCHARGE REQUIREMENTS—WATER
REPLENISHMENT DISTRICT OF SOUTHERN CALIFORNIA, VARIOUS LOCATIONS
REGIONAL GROUNDWATER MONITORING PROJECT, BALLONA CREEK WATERSHED,
CALIFORNIA (NPDES NO. CAG994005, CI-8336)**

We have received and reviewed your request to add an additional discharge outfall to your coverage under the General NPDES Permit. Based on the information provided, we have no objections to your request. 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 Revised Monitoring and Reporting Program No. CI-8336. The discharge limitations in Parts E.1 and E. 2 of Order No. R4-2003-0108 are applicable to your discharge. Discharge from the project drains to the Ballona Creek; therefore, the discharge limitations in Attachment B. are not applicable to your discharge. Prior to starting a new discharge at an outfall, a representative sample of the effluent shall be obtained and analyzed to determine compliance with the discharge limitations.

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-8336 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.

California Environmental Protection Agency

Mr. Robb Whitaker
Water Replenishment District of Southern California

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December 22, 2011

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

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 previously sent to you. A copy of the Order will be furnished to anyone who requests it, or it can be obtained at our web site address: [http://www.waterboards.ca.gov/losangeles/board decisions/adopted orders/](http://www.waterboards.ca.gov/losangeles/board%20decisions/adopted%20orders/).

If you have any questions, please contact Gensen Kai at (213) 576-6651.

Sincerely,



Samuel Unger
Executive Officer

Enclosures:

Order No. R4-2003-0108
Monitoring and Reporting Program No. CI-8336
Fact Sheet

cc: Environmental Protection Agency, Region 9, Permit Section (WTR-5)
State Water Resources Control Board, npdes_wastewater@waterboards.ca.gov
U.S. Army Corps of Engineers
U.S. Fish and Wildlife Services, Division of Ecological Services
NOAA, National Marine Fisheries Service
California Department of Fish and Game, Marine Resources, Region 5
Leah Godsay Walker, California Department of Public Health, Division of Drinking Water
and Environmental Management
Los Angeles County, Department of Public Works, Environmental Programs Division
Los Angeles County, Department of Health Services
Jae Kim, Tetrattech

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
WATER REPLENISHMENT DISTRICT OF SOUTHERN CALIFORNIA
(REGIONAL GROUNDWATER MONITORING PROJECT)**

NPDES NO. CAG994005, CI-8336

FACILITY ADDRESS

Various Locations
Ballona Creek Watershed

FACILITY MAILING ADDRESS

4040 Paramount Boulevard
Lakewood, California 90712

PROJECT DESCRIPTION:

The Water Replenishment District of Southern California (Discharger) is currently studying the geology, hydrology, and geochemistry of the Los Angeles Coastal Hydrologic basin in Los Angeles County. The purpose of the work is to characterize the regional groundwater flow system in order to provide an improved basis for evaluating groundwater issues related to management, replenishment, and protection. The Discharger proposes to discharge groundwater associated with construction, development, and purging of monitoring wells in Ballona Creek Watershed. The Discharger requests to add a new outfall, Outfall 003, to the enrollment under the General NPDES permit. Staff has no objections to the request.

VOLUME AND DESCRIPTION OF DISCHARGE:

The Discharger proposes to discharge up to 1,000 gallons per day of groundwater from each outfall in the Ballona Creek Watershed. A field portable granular-activated charcoal treatment system or other appropriate treatment will be used, when necessary, to remove volatile organic compounds or other contaminants prior to discharge. See Figure 1 for a schematic flow diagram and the monitoring well identifications. The groundwater will be discharged through existing storm drains outfalls as listed in the table below and will flow to Ballona Creek, a water of the United States. See Figure 2 for site location.

Outfall ID	Longitude	Latitude
001	118° 22' 32"	33° 58' 01"
002	118° 24' 55"	34° 57' 23"
003	118° 18' 27"	33° 00' 46"

APPLICABLE EFFLUENT LIMITATIONS

Based on the information provided, the analytical data shows reasonable potential for toxics to exist in the groundwater above the *Screening Levels for Potential Pollutants of Concern in potable groundwater in Attachment A*. Therefore, the effluent limits for toxic compounds in Section E.2 are applicable to your discharge. The discharge flows to Ballona Creek. Therefore, the discharge limitations in Attachment B. are not applicable to the discharge.

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

Constituents	Units	Discharge Limitations	
		Daily Maximum	Monthly Average
Total Suspended Solids	mg/L	150	50
Turbidity	NTU	150	50
BOD ₅ 20°C	mg/L	30	20
Settleable Solids	ml/L	0.3	0.1
Residual Chlorine	mg/L	0.1	
Copper	µg/L	1000	
Lead	µg/L	50	
Total Chromium	µg/L	50	
1,1-Dichloroethane	µg/L	5	
1,1-Dichloroethylene	µg/L	6	
1,1,1-Trichloroethane	µg/L	200	
1,1,2-Trichloroethane	µg/L	5	
1,1,2,2-Tetrachloroethane	µg/L	1	
1,2-Dichloroethane	µg/L	0.5	
1,2-trans Dichloroethylene	µg/L	10	
Tetrachloroethylene	µg/L	5	
Trichloroethylene	µg/L	5	
Carbon Tetrachloride	µg/L	0.5	
Vinyl Chloride	µg/L	0.5	
Total Trihalomethanes	µg/L	80	
Benzene	µg/L	1	
Methyl tertiary butyl ether	µg/L	5	

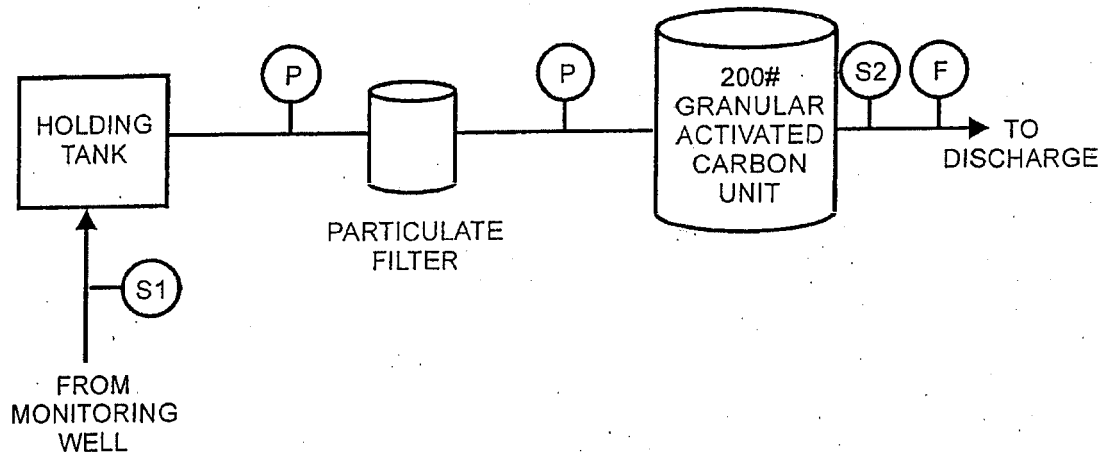
FREQUENCY OF DISCHARGE:

The discharge from the facility will be intermittent.




REUSE OF WATER:

Offsite disposal of treated wastewater is not feasible due to the high cost of disposal. Discharge to the sewer is not feasible. The property and the immediate vicinity have no landscaped areas that require irrigation. Since there are no feasible reuse options, the groundwater will be discharged to the surface water in accordance with the attached Order.

Figure 1



EXPLANATION

-  Pressure Gage
-  Sampling Port
-  Flow Meter Totalizer

**SCHEMATIC DIAGRAM OF PORTABLE
GRANULAR ACTIVATED CARBON TREATMENT SYSTEM**

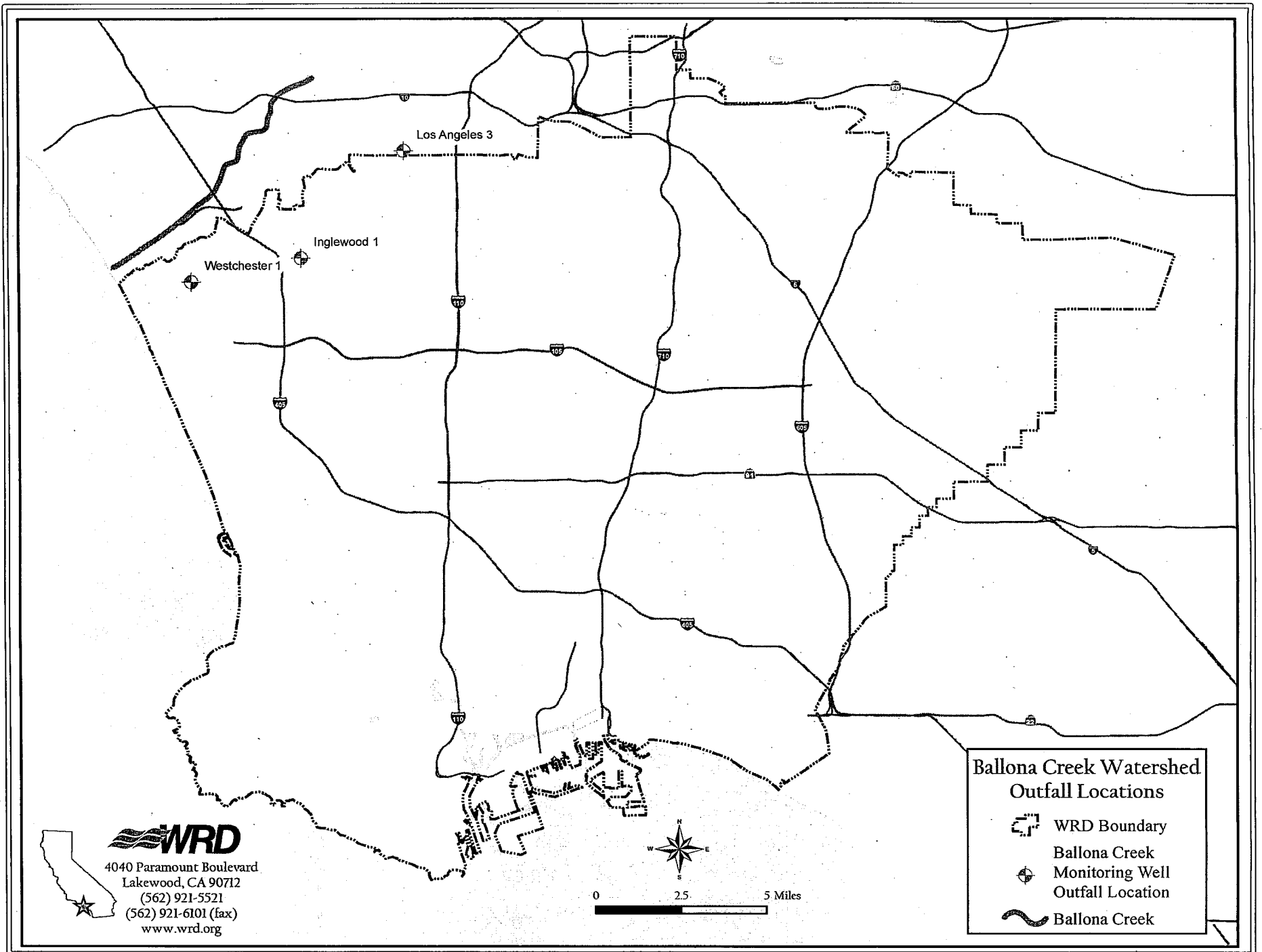


Figure 1. Site Location.

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

REVISED MONITORING AND REPORTING PROGRAM NO. CI-8336
FOR
WATER REPLENISHMENT DISTRICT OF SOUTHERN CALIFORNIA
(REGIONAL GROUNDWATER MONITORING PROJECT)
(NPDES NO. CAG994005, SERIES NO. 037)

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 February 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.

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 R4-2003-0108, 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	Unit	Sample Type	Minimum Frequency of Analysis
Flow	gal/day	totalizer	Continuously*
pH	pH units	grab	once per discharge event**
Temperature	°F	grab	once per discharge event**
Total Suspended Solids	mg/L	grab	once per discharge event**
Turbidity	NTU	grab	once per discharge event**
BOD ₅ 20°C	mg/L	grab	once per discharge event**
Settleable Solids	ml/L	grab	once per discharge event**
Residual Chlorine	mg/L	grab	once per discharge event**
Copper	µg/L	grab	once per discharge event**
Lead	µg/L	grab	once per discharge event**
Total Chromium	µg/L	grab	once per discharge event**
1,1-Dichloroethane	µg/L	grab	once per discharge event**
1,1-Dichloroethylene	µg/L	grab	once per discharge event**
1,1,1-Trichloroethane	µg/L	grab	once per discharge event**
1,1,2-Trichloroethane	µg/L	grab	once per discharge event**
1,1,2,2-Tetrachloroethane	µg/L	grab	once per discharge event**
1,2-Dichloroethane	µg/L	grab	once per discharge event**
1,2-trans Dichloroethylene	µg/L	grab	once per discharge event**
Tetrachloroethylene	µg/L	grab	once per discharge event**
Trichloroethylene	µg/L	grab	once per discharge event**
Carbon Tetrachloride	µg/L	grab	once per discharge event**
Vinyl Chloride	µg/L	grab	once per discharge event**
Total Trihalomethanes	µg/L	grab	once per discharge event**
Benzene	µg/L	grab	once per discharge event**
Methyl tertiary butyl ether	µg/L	grab	once per discharge event**
Acute Toxicity	% survival	grab	annually

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

** If the discharge event for a well or site is continuous or intermittent for more than 30 days, the minimum frequency of analysis becomes monthly.

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 topmelt 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 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 Public Health 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 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, semi-annually, 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, semi-annually, 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 $= [X_{n/2} + X_{(n/2)+1}]$, 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.

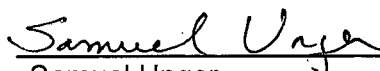
No discharge of such chemical shall be made prior to obtaining the Executive Officer's approval.

- 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. R4-2003-0108. 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:



Samuel Unger
Executive Officer

Date:

December 22, 2011