California Regional Water Quality Control Board

Los Angeles Region

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May 25, 2004

Mr. James A. Noyes
County of Los Angeles
Department of Public Works
900 South Fremont Avenue
Alhambra, CA 91803-1331

Certified Mail
Return Receipt Requested
Claim No. 7002 2410 0005 0647 9922

Dear Mr. Noyes:

CONTINUATION OF COVERAGE UNDER GENERAL NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM AND WASTE DISCHARGE REQUIREMENTS – LOS ANGELES COUNTY, DEPARTMENT OF PUBLIC WORKS, DOMINGUEZ GAP BARRIER PROJECT, DOMINGUEZ GAP BARRIER, LONG BEACH, CALIFORNIA (NPDES NO. CAG994005, CI–6089)

We have completed our review of your Notice of Intent (NOI) and analytical results of representative groundwater samples in order to continue enrollment under the General NPDES Permit. Discharge of groundwater generated from injection and extraction wells from the above-referenced facility is currently regulated under NPDES General Permit No. CAG994001 (Order No. 97-045) adopted by this Board on May 12, 1997. Regional Board staff made other modifications to the Monitoring and Reporting Program, including listing of specific wells to be monitored for the constituents listed in Attachment A of the Order No. R4-2003-0108, and added separate tables for extraction and injection wells monitoring schedules.

Based on the information provided, we have determined that 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. Your existing enrollment under NPDES Permit No. CAG994001, Order No. 97-045, which was issued to you on August 5, 2002, is superseded by this new permit that terminated your coverage under Order No. 97-045.

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-6089. The discharge limitations in Part E of Order No. R4-2003-0108 for the specific constituents listed on the table with the enclosed Fact Sheet are applicable to your discharge. The groundwater discharge flows into Los Angeles Inner Harbor, Dominguez Channel, and Los Angeles River (below Willow Street). Therefore, the discharge limits in Attachment B of Order No. R4-2003-0108 are not applicable to your discharge.

CI-6089 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.

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. R4-2003-0108 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.

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

Sincerely,

Dennis A. Dickerson
Executive Officer

Enclosures:

General NPDES No. CAG994005, Order No. R4-2003-0108
Fact Sheet
Monitoring and Reporting Program No. CI-6089

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
Gary Hildebrand, Los Angeles County, Department of Public Works
Dr. Youn Sim, Los Angeles County, Department of Public Works
City of Long Beach, Department of Public Works

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
COUNTY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS
(DOMINGUEZ GAP BARRIER PROJECT)

CI-6089

FACILITY ADDRESS	**FACILITY MAILING ADDRESS**
Dominguez Gap Barrier	900 S. Fremont Avenue, 8th Floor
Long Beach, CA 90803	Alhambra, CA 91803

PROJECT DESCRIPTION:

The County of Los Angeles Department of Public Works (LACDPW) discharges groundwater from maintaining the injection wells and the extraction wells as part of the Dominguez Gap Barrier project to control seawater intrusion into the groundwater basins in the Wilmington area. LACDPW redevelops and constructs new wells every two to four years. Some of the wells will discharge into Los Angeles Inner Harbor, Dominguez Channel, and Los Angeles River (below Willow Street). The LACDPW built a temporary pipeline to convey discharges from the Long Beach Pump Plant to downstream of Willow Street. The wastewater is pumped to a settling tank unit before the discharge.

VOLUME AND DESCRIPTION OF DISCHARGE:

A total of up to 1.0 million gallons per day of groundwater will be discharged from well construction and maintenance activities. The discharge will be released from the facility into local storm drains located along Anaheim and Spring Street, thence into Los Angeles Inner Harbor, Dominguez Channel, and Los Angeles River (below Willow Street), waters of the United States. See Figure 1 for the well locations. The discharge outfalls locations are listed below:

a. Los Angeles Inner Harbor:

Outfall No.	Latitude	Longtitude
001	33° 46' 31"	118° 16' 50"
002	33° 46' 30"	118° 16' 18"
003	33° 46' 29"	118° 16' 32"
004	33° 46' 29"	118° 16' 21"
005	33° 46' 31"	118° 16' 15"
006	33° 46' 32"	118° 16' 08"
007	33° 46' 32"	118° 16' 01"

008	33° 46' 32"	118° 15' 53"

Outfall No.	Latitude	Longtitude
009	33° 46' 32"	118° 15' 45"
010	33° 46' 32"	118° 15' 40"
011	33° 46' 33"	118° 15' 31"
012	33° 46' 33"	118° 15' 25"
013	33° 46' 38"	118° 15' 21"
014	33° 46' 39"	118° 15' 15"
015	33° 46' 39"	118° 15' 06"
016	33° 46' 40"	118° 14' 59"
017	33° 46' 40"	118° 14' 53"
018	33° 46' 44"	118° 14' 49"
019	33° 46' 51"	118° 14' 42"
020	33° 47' 01"	118° 14' 43"
021	33° 47' 02"	118° 14' 38"
031	33° 46' 47"	118° 14' 45"
032	33° 46' 57"	118° 14' 42"
041	33° 46' 56"	118° 14' 42"

b. Dominguez Channel

Outfall No.	Latitude	Longtitude
022	33° 47' 06"	118° 14' 26"
023	33° 47' 07"	118° 14' 15"
024	33° 47' 10"	118° 14' 02"
025	33° 47' 17"	118° 13' 58"
026	33° 47' 28"	118° 13' 50"
027	33° 47' 37"	118° 13' 44"
028	33° 47' 47"	118° 13' 42"
029	33° 47' 56"	118° 13' 40"
030	33° 48' 07"	118° 13' 38"
033	33° 47' 07"	118° 14' 10"
034	33° 47' 14"	118° 14' 00"
035	33° 47' 24"	118° 13' 53"
036	33° 47' 33"	118° 13' 47"
037	33° 47' 41"	118° 13' 43"
038	33° 47' 53"	118° 13' 41"
039	33° 48' 00"	118° 13' 39"
040	33° 48' 16"	118° 13' 36"
042	33° 47' 14"	118° 14' 11"
043	33° 47' 42"	118° 13' 48"
044	33° 47' 51"	118° 13' 44"

c. Los Angeles River

Fact Sheet
LACDPW-Dominguez Gap Barrier
CI-6089

Outfall No.	Latitude	Longtitude
045	33° 48' 14"	118° 12' 22"

APPLICABLE EFFLUENT LIMITATIONS

Based on the information provided, the analytical data showed reasonable potential for toxics to exist in 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.1. and E.2. are applicable to your discharge. The discharge flows into the Los Angeles Inner Harbor, Dominguez Channel, and Los Angeles River (below Willow Street); therefore, discharge limitations in Attachment B are not 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 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 (Cu)	µg/L	1000	
Lead (Pb)	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 (MTBE)	µg/L	5	

FREQUENCY OF DISCHARGE:

The discharge will be intermittent.

REUSE OF WATER:

Due to lack of landscaping area at the site and inability to economically transport the water for reuse, an alternative method of disposal is not feasible. Therefore, the groundwater will be discharged to the storm drains.

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

MONITORING AND REPORTING PROGRAM NO. CI-6089
FOR
LOS ANGELES COUNTY, DEPARTMENT OF PUBLIC WORKS
(DOMINGEZ GAP BARRIER PROJECT)

(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:

Reporting Period	Report Due
January - March	May 15
April - June	August 15
July - September	November 15
October - December	February 15
Annual Summary Report	March 15

B. The first monitoring report under this Program is due by August 15, 2004. 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. 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 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 for both the extraction and injection wells:

1. Extraction Wells:

Constituent	Units	Type of Sample	Minimum Frequency of Analysis
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
$BOD_5 20^oC$	mg/L	grab	monthly
Oil and Grease	mg/L	grab	monthly
Settleable Solids	ml/L	grab	monthly
Residual Chlorine	mg/L	grab	monthly
Copper (Cu)	µg/L	grab	annually
Lead (Pb)	µg/L	grab	annually
Total Chromium	µg/L	grab	annually
1,1 Dichloroethane	µg/L	grab	annually
1,1 Dichloroethylene	µg/L	grab	annually
1,1,1 Trichloroethane	µg/L	grab	annually
1,1,2 Trichloroethane	µg/L	grab	annually
1,1,2,2 Tetrachloroethane	µg/L	grab	annually
1,2 Dichloroethane	µg/L	grab	annually
1,2-Trans Dichloroethylene	µg/L	grab	annually
Tetrachloroethylene	µg/L	grab	annually
Trichloroethylene	µg/L	grab	annually
Carbon Tetrachloride	µg/L	grab	annually
Vinyl Chloride	µg/L	grab	annually
Total Trihalomethanes	µg/L	grab	annually
Benzene	µg/L	grab	annually
Methyl tertiary butyl ether (MTBE)	µg/L	grab	annually
Perchlorate	µg/L	grab	annually
1-4 Dioxane	µg/L	grab	annually
N-Nitrosodimethylamine (NDMA)	µg/L	grab	annually
Acute Toxicity	% survival	grab	annually

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

2. Intermittent Injection Wells (Frequency of Analysis):

Constituent	Unit	Type of Sample	23 T	23 Y	24 B	24 E	24 H	24 M	24 Q	24 V	24 X	24 Z	25 C	25 E	25 H	25 K1	25 Q	25 T	25 W	25 Y	26 A	26 B	26 C	26 D	26 J	26 N	26 R	26 T	26 Y	27 A
Total Waste Flow	gal/day	totalizer	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
pH	pH Units	grab	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Temperature	°F	grab	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Total Suspended Solids	mg/L	grab	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Turbidity	NTU	grab	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Settleable Solids	ml/L	grab	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Oil and Grease	mg/L	grab	✓								✓										✓						✓			
BOD520oC	mg/L	grab	✓								✓										✓						✓			
Residual Chlorine	mg/L	grab	✓								✓										✓						✓			
Copper (Cu)	µg/L	grab	✓								✓										✓						✓			
Lead (Pb)	µg/L	grab	✓								✓										✓						✓			
Total Chromium	µg/L	grab	✓								✓										✓						✓			
1,1 Dichloroethane	µg/L	grab	✓								✓										✓						✓			
1,1 Dichloroethylene	µg/L	grab	✓								✓										✓						✓			
1,1,1 Trichloroethane	µg/L	grab	✓								✓										✓						✓			
1,1,2 Trichloroethane	µg/L	grab	✓								✓										✓						✓			
1,1,2,2 Tetrachloroethane	µg/L	grab	✓								✓										✓						✓			
1,2 Dichloroethane	µg/L	grab	✓								✓										✓						✓			
1,2-Trans Dichloroethylene	µg/L	grab	✓								✓										✓						✓			
Tetrachloroethylene	µg/L	grab	✓								✓										✓						✓			
Trichloroethylene	µg/L	grab	✓								✓										✓						✓			
Carbon Tetrachloride	µg/L	grab	✓								✓										✓						✓			
Vinyl Chloride	µg/L	grab	✓								✓										✓						✓			
Total Trihalomethanes	µg/L	grab	✓								✓										✓						✓			
Benzene	µg/L	grab	✓								✓										✓						✓			
Methyl tertiary butyl ether (MTBE)	µg/L	grab	✓								✓										✓						✓			
Perchlorate	µg/L	grab	✓								✓										✓						✓			
1-4 Dioxane	µg/L	grab	✓								✓										✓						✓			
N-Nitrosodimethylamine (NDMA)	µg/L	grab	✓								✓										✓						✓			
Acute Toxicity	% survival	grab	✓								✓										✓						✓			

✓= Once per discharge event (Analysis is required once per discharge event, however, if discharges is continuous for more than 30-days the minimum frequency sampling becomes monthly.)

2. Intermittent Injection Wells (Frequency of Analysis): (Cont.)

Constituent	Unit	Type of Sample	27 B	27 E	27 F	27 J	27 M	27 Q	27 T	27 W	27 Y	28 A	28 C	28 H	28 R	28 T	28 W	28 Y	28 Y1	28 Y2	28 ZZ1	28 Z1	28 Z2	28 Z3	29 AA1	29 A1	29 A2	29 A3	29 A4B	29 B	29 B1
Total Waste Flow	gal/day	totalizer	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
pH	pH Units	grab	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Temperature	°F	grab	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Total Suspended Solids	mg/L	grab	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Turbidity	NTU	grab	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Settleable Solids	ml/L	grab	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Oil and Grease	mg/L	grab								✓							✓								✓						
BOD520oC	mg/L	grab								✓							✓								✓						
Residual Chlorine	mg/L	grab								✓							✓								✓						
Copper (Cu)	µg/L	grab								✓							✓								✓						
Lead (Pb)	µg/L	grab								✓							✓								✓						
Total Chromium	µg/L	grab								✓							✓								✓						
1,1 Dichloroethane	µg/L	grab								✓							✓								✓						
1,1 Dichloroethylene	µg/L	grab								✓							✓								✓						
1,1,1 Trichloroethane	µg/L	grab								✓							✓								✓						
1,1,2 Trichloroethane	µg/L	grab								✓							✓								✓						
1,1,2,2 Tetrachloroethane	µg/L	grab								✓							✓								✓						
1,2 Dichloroethane	µg/L	grab								✓							✓								✓						
1,2-Trans Dichloroethylene	µg/L	grab								✓							✓								✓						
Tetrachloroethylene	µg/L	grab								✓							✓								✓						
Trichloroethylene	µg/L	grab								✓							✓								✓						
Carbon Tetrachloride	µg/L	grab								✓							✓								✓						
Vinyl Chloride	µg/L	grab								✓							✓								✓						
Total Trihalomethanes	µg/L	grab								✓							✓								✓						
Benzene	µg/L	grab								✓							✓								✓						
Methyl tertiary butyl ether (MTBE)	µg/L	grab								✓							✓								✓						
Perchlorate	µg/L	grab								✓							✓								✓						
1-4 Dioxane	µg/L	grab								✓							✓								✓						
N-Nitrosodimethylamine (NDMA)	µg/L	grab								✓							✓								✓						
Acute Toxicity	% survival	grab								✓							✓								✓						

✓= Once per discharge event (Analysis is required once per discharge event, however, if discharges is continuous for more than 30-days the minimum frequency sampling 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 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.

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 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: _____

Dennis A. Dickerson
Executive Officer

Date: May 25, 2004

/vbc