California Regional Water Quality Control Board

Los Angeles Region

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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

Winston H. Hickox
Secretary for Environmental Protection

Gray Davis
Governor

July 17, 2003

Mr. Angel Marquez
Water Utility Manager
City of Monterey Park
320 West Newmark Avenue
Monterey Park, CA 91754-2896

CERTIFIED MAIL
RETURN RECEIPT REQUESTED
CLAIM NO. 7002 0860 0001 0650 9927

Dear Mr. Marquez:

COVERAGE UNDER GENERAL NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMIT AND WASTE DISCHARGE REQUIREMENTS – CITY OF MONTEREY PARK, CITY WELL NO. 5 TREATMENT TESTING PROJECT, 2450 N. CHARLOTTE AVENUE, ROSEMEAD, CALIFORNIA (NPDES NO. CAG914001, CI-8614)

We have completed our review of your application for a permit to discharge waste under the National Pollutant Discharge Elimination System (NPDES). The discharge during treatment system start-up for City Well No.5 is necessary in order for the City of Monterey Park (City) to satisfy the California Department of Health Service's (DHS) requirements, and to obtain DHS's approval prior to supplying treated groundwater for domestic use. It will be necessary for the City to discharge water at high rates (up to 2.6 million gallons per day) for an approximate two weeks period to satisfy the DHS requirements.

Based on the information provided, the proposed discharge of groundwater meets the conditions specified in NPDES Permit No. CAG914001, Order No. R4-2002-0107, *Waste Discharge Requirements for Discharges of Treated Groundwater from Investigation and/or Cleanup of Volatile Organic Compounds Contaminated-sites to Surface Waters in the Coastal Watersheds of Los Angeles and Ventura Counties (General NPDES Permit No. CAG914001)*, adopted by this Board on May 23, 2002.

Enclosed are your Waste Discharge Requirements, which also serve as your General NPDES Permit, consisting of Order No. R4-2002-0107 and revised Monitoring and Reporting Program No. CI-8614. The discharge limitations in Part F of Order No. R4-2002-0107 are applicable to your discharge. Discharge from the project drains to the Alhambra Wash; therefore, the discharge limitations in Attachment B.7.g are applicable to your discharge. Prior to discharge, 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 Order No. R4-2002-0107. 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-7568 and NPDES No. CAG914001", which will assure that the reports are directed to the appropriate file and staff. Also, please do not combine your discharge monitoring reports with other 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 Board Order No. R4-2002-0107 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 Dr. James Tang at (213) 576-6696.

Sincerely,

Dennis A. Dickerson
Executive Officer

Enclosures: Fact Sheet
Monitoring and Reporting Program No. 8614
Order No. R4-2002-0107, General NPDES Permit No. CAG914001

cc: Environmental Protection Agency, Region 9, Clean Water Act Standards and Permits Office (WTR-5)
U.S. Army Corps of Engineers
NOAA, National Marine Fisheries Service
Department of Interior, U.S. Fish and Wildlife Service
Jim Maughan, Division of Water Quality, State Water Resources Control Board
Michael Lauffer, Office of the Chief Counsel, State Water Resources Control Board
California Department of Health Services, Drinking Water and Field Operations Branch
Department of Fish and Game, Region 5
Los Angeles County, Department of Public Works, Flood Control and Drainage
Los Angeles County, Department of Environmental Programs Division
City of Rosemead, Department of Public Works, Stormwater Management Division

/jt

State of California
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
LOS ANGELES REGION
320 West 4th Street, Suite 200, Los Angeles
FACT SHEET
WASTE DISCHARGE REQUIREMENTS
FOR
CITY OF MONTEREY PARK
(City Well No.5 Treatment Testing Project)
NPDES NO. CAG914001
CI-8614

FACILITY LOCATION
2450 N. Charlotte Avenue
Rosemead, CA 91770

FACILITY MAILING ADDRESS
320 W. Newmark Avenue
Monterey Park, CA 91745

PROJECT DESCRIPTION

The City of Monterey Park (City) has installed a liquid-phase granular activated carbon (LGAC) treatment facility to remove perchlorate and other volatile organic compounds from drinking water Well No.5, located at 2450 N. Charlotte Avenue, Rosemead. In January 2002, the California Department of Health Services (DHS) lowered the action level (AL) for perchlorate to 4 µg/L, causing the City to immediately remove Well No.5 from operation. The City is proposing to modify the existing LGAC system which consists of four adsorbers. The LGAC vessel piping will be configured as sets of two vessels. The second carbon vessel in each set will provide the secondary barrier required by DHS if the treated water is to be introduced into the distribution system. An on-line nitrate analyzer will be installed to continuously monitor nitrate concentrations in the treated groundwater. During startup testing, the treated water will be discharged to Alhambra Wash. The discharge during treatment system start-up for City Well No.5 is necessary for the City to satisfy the California Department of Health Service's (DHS) requirements, and to obtain DHS's approval prior to supplying treated groundwater for domestic use.

VOLUME AND DESCRIPTION OF DISCHARGE

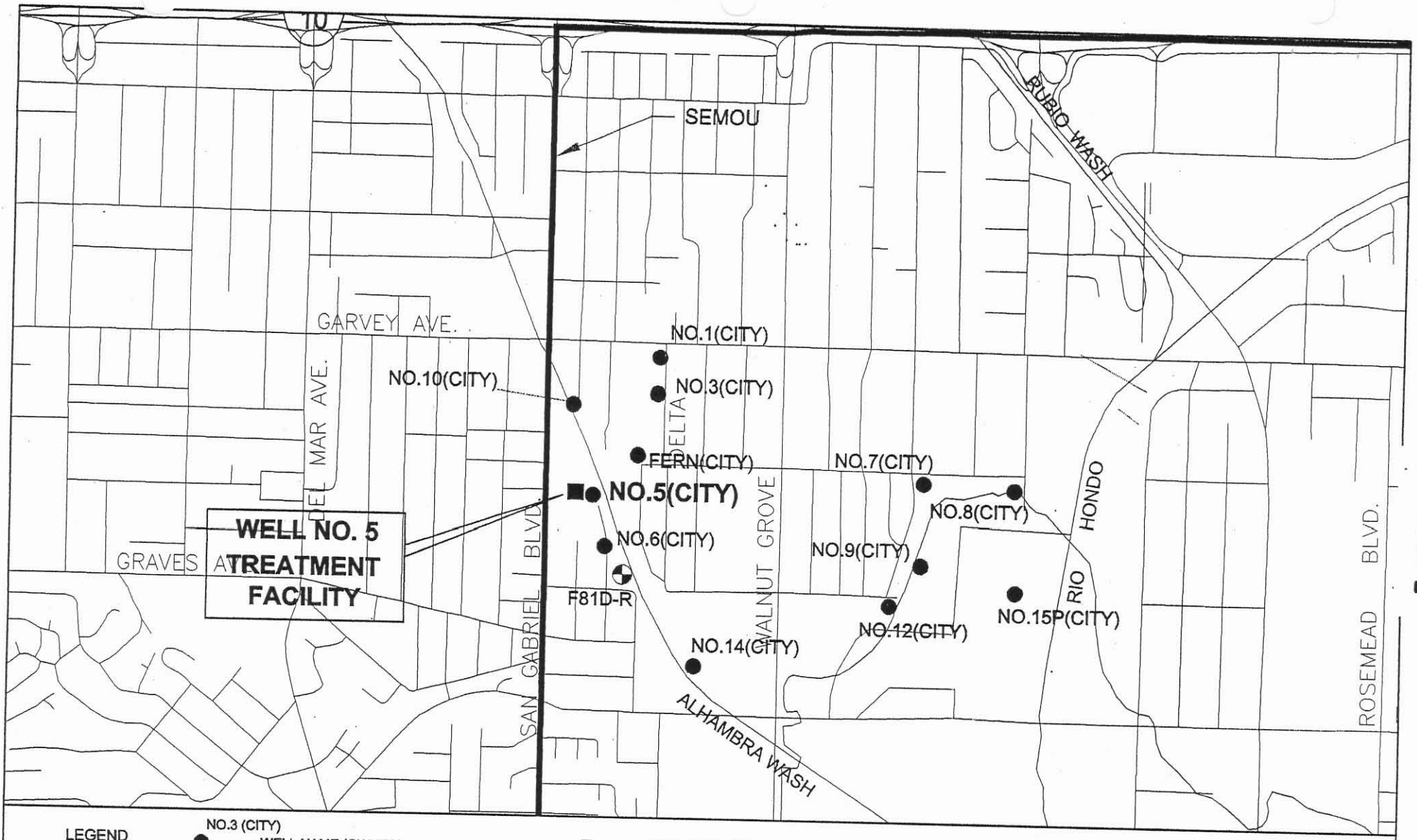
The City proposes to discharge up to 2.6 million gallons per day of treated groundwater during the startup testing periods. The high discharge rate during startup phase is needed in order to demonstrate to DHS that the water quality produced by the treatment facility is equivalent to, or better than, the expected during the design phase of the project. Results of the startup testing will be provided to DHS in anticipation of receiving a permit to provide the treated water to the City's customers. The treated groundwater will be discharged into the Alhambra Wash (Latitude 34"03' 38", Longitude 118° 05'08"), thence to the Rio Hondo, a water of the United States. The site location and the schematic of waste flow diagram are shown as Figures 1 and 2, respectively.

FREQUENCY OF DISCHARGE

The discharge is scheduled to begin in July 2003. It is anticipated that the schedule for the startup testing will encompass approximately two weeks. After the testing period, the treated groundwater will be distributed to the City's customers for potable use.

REUSE OF WATER

There are no feasible reuse options because of the large volume of water that will be discharged over a short period of time. Therefore, the groundwater will be discharged to the Alhambra Wash.



LEGEND

NO.3 (CITY) ●	WELL NAME (OWNER)	■	PROPOSED TREATMENT FACILITY
▬	SEMOU BOUNDARY	◒	GAGING STATION

CITY	CITY OF MONTEREY PARK
SEMOU	SOUTH EL MONTE OPERABLE UNIT

STETSON ENGINEERS INC.
3104 EAST GARVEY AVENUE
WEST COVINA, CALIFORNIA 91791
TEL: (626) 967-6202
FAX: (626) 331-7065
2171 E Francisco Blvd., Suite K
San Rafael California 94901
2851 W Guadalupe Rd., Suite A209
Mesa Arizona 85202

APPROXIMATE SCALE
0 750' 1,500'

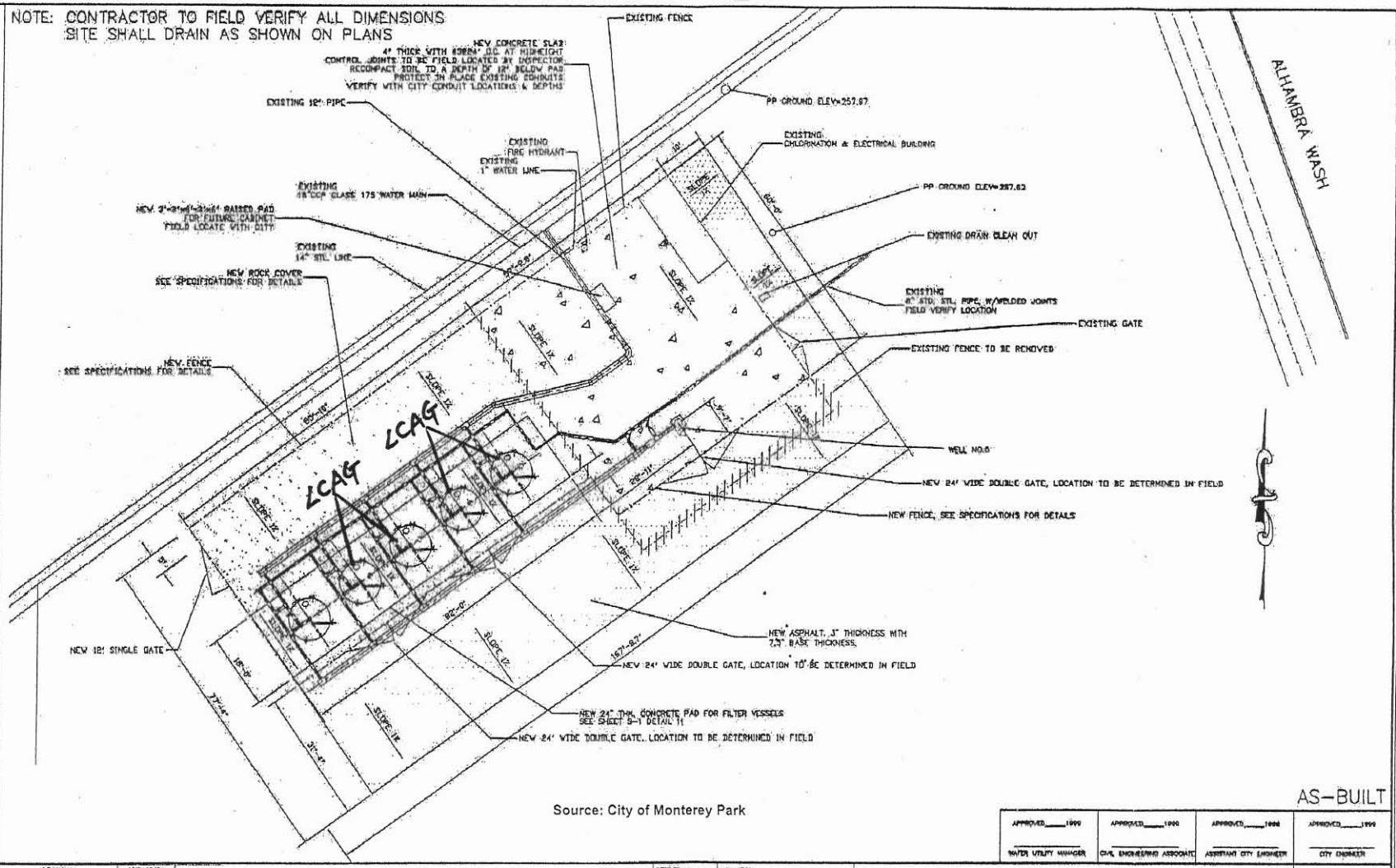
CITY OF MONTEREY PARK

LOCATION MAP
PRODUCTION WELLS AND FACILITY

FIGURE 1

PLATE 1

JOBS\1952\06\PLATE_1.DWG



Source: City of Monterey Park

AS–BUILT

APPROVED ____ 1999	APPROVED ____ 1999	APPROVED ____ 1999	APPROVED ____ 1999
WATER UTILITY MANAGER	CIVIL ENGINEERING ASSOCIATE	ASSISTANT CITY ENGINEER	CITY ENGINEER

REVISION			APPR.	BOND
NO.	DATE	BY		

CITY OF MONTEREY PARK

Donald B. Howard Consulting Engineers Inc.

WATER TREATMENT FACILITY
WELL NO.5
MECHANICAL DETAILS - 1 & SITE PLAN

SHEET 3 OF 11
DWG. NO. M–1

STETSON ENGINEERS INC.
3104 EAST DARVEY AVENUE
WEST COVINA, CALIFORNIA 91791
TEL: (626) 967-6202
FAX: (626) 331-7065
2171 E Francisco Blvd., Suite K
San Rafael California 94901
3661 W Guadalupe Rd., Suite A209
Mesa Arizona 85202

NO SCALE

CITY OF MONTEREY PARK

SITE MAP
CITY OF MONTEREY PARK WELL NO. 5 TREATMENT FACILITY

FIGURE 2

FJOB8\1152\04\PLATE 3.DWG
FJOB8\1230\1256-42\PERCHLORATE\CL04MAP\JULY-02.PC2

JUNE 2003

State of California
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
LOS ANGELES REGION

MONITORING AND REPORTING PROGRAM NO. CI-8614
for
CITY OF MONTERY PARK
(City Well No. 5 Treatment Testing Project)
NPDES NO. CAG914001

I. REPORTING REQUIREMENTS

A. The discharger shall implement this monitoring program on the effective date of coverage under this permit. The discharger shall submit monitoring reports to this 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 November 15, 2003. 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 discharge limitations in the Order, tabulated analytical data, the chain of custody form, the analytical laboratory report (including, but not limited to: date and time of sampling, date of analyses, method of analysis, and detection limits), and discharge certification statement.

D. Each monitoring report shall contain a separate section titled "Summary of Non-Compliance" which discusses the compliance record and corrective actions 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 F. and Attachment B.7.g. of Order No. R4-2002-0107. The test results must meet all applicable discharge limitations.

II. SAMPLE COLLECTION REQUIREMENTS

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 for each point of discharge and shall be located where representative samples of that effluent can be obtained. Provisions shall be made to enable visual inspection 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 No. R4-2002-0107, 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, and
3. Semi-annually monitoring shall be increased to quarterly.
4. Annually monitoring shall be increased to semi-annually.

If three consecutive accelerated monitoring events demonstrate full compliance with effluent limits, then, the discharger may return to 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	Type of Sample	Minimum Frequency of Analysis
Total Waste Flow	gal/day	totalizer	continuously
Temperature	°F	grab	monthly
pH	pH units	grab	monthly

Constituent	Unit	Type of Sample	Minimum Frequency of Analysis
Total Suspended Solids	mg/L	grab	monthly
Total Dissolved Solids	mg/L	grab	monthly
Turbidity	mg/L	grab	monthly
Settleable Solids	ml/L	grab	monthly
Sulfides	mg/L	grab	monthly
Oil and Grease	mg/L	grab	monthly
BOD_5 @ 20°C	mg/L	grab	monthly
Sulfate	mg/L	grab	monthly
Chloride	mg/L	grab	monthly
Nitrogen	mg/L	grab	monthly
Residual Chlorine	mg/L	grab	monthly
Perchlorate	µg/L	grab	monthly[(1)]
1,1-dichloroethane	µg/L	grab	monthly[(1)]
1,2-dichloroethane	µg/L	grab	monthly[(1)]
1,1-dichloroethylene	µg/L	grab	monthly[(1)]
Carbon tetrachloride	µg/L	grab	monthly[(1)]
1,1,2,2-Tetrachloroethane	µg/L	grab	monthly[(1)]
Tetrachloroethylene	µg/L	grab	monthly[(1)]
1,2-Trans-dichloroethylene	µg/L	grab	monthly[(1)]
1,1,1-Trichloroethane	µg/L	grab	monthly[(1)]
1,1,2-Trichloroethane	µg/L	grab	monthly[(1)]
Trichloroethylene	µg/L	grab	monthly[(1)]
Vinyl chloride	µg/L	grab	monthly[(1)]
Phenols	mg/L	grab	monthly
Benzene	µg/L	grab	monthly
Bromoform	µg/L	grab	monthly
Chlorobenzene	µg/L	grab	monthly
Chlorodibromomethane	µg/L	grab	monthly
Chloroethane	µg/L	grab	monthly
Chloroform	µg/L	grab	monthly
Dichlorobromomethane	µg/L	grab	monthly
1,2-Dichloropropane	µg/L	grab	monthly
1,3-Dichloropropylene	µg/L	grab	monthly
Ethylbenzene	µg/L	grab	monthly
Ethylene dibromide	µg/L	grab	monthly
Methyl bromide	µg/L	grab	monthly

1 Weekly for the first month, monthly thereafter, if no exceedance is observed.

Constituent	Unit	Type of Sample	Minimum Frequency of Analysis
Methyl chloride	µg/L	grab	monthly
Methylene chloride	µg/L	grab	monthly
Methyl ethyl ketone (MEK)	µg/L	grab	monthly
Methyl Tertiary Butyl Ether (MTBE)	µg/L	grab	monthly
Tertiary butyl alcohol (TBA)	µg/L	grab	monthly
Toluene	µg/L	grab	monthly
Total petroleum hydrocarbons	µg/L	grab	monthly
Xylenes	µg/L	grab	monthly
Acetone	µg/L	grab	annually
Acrolein	µg/L	grab	annually
Acrylonitrile	µg/L	grab	annually
Naphthalene	µg/L	grab	annually
Di-isopropyl ether (DIPE)	µg/L	grab	annually
1,4-Dioxane	µg/L	grab	annually
N-Nitrosodimethyl amine (NDMA)	µg/L	grab	annually
Acute Toxicity	%survival	grab	annually

IV. EFFLUENT TOXICITY TESTING

A. The discharger shall conduct acute toxicity 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 Waters 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 times 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 I.4 of order No. R4-2002-0107, the monitoring report shall specify the USEPA analytical method used, the method detection limit, and the minimum Level for each pollutant.

VI. NOTIFICATION

A. 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 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. R4-2002-0107. 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.

VII. MONITORING FREQUENCIES

Monitoring frequencies may be adjusted by the Executive Officer to a less frequent basis if the Discharger requests same and the request is backed by statistical trends of monitoring data submitted.

Ordered by: _____ Date: July 17, 2003

Dennis A. Dickerson
Executive Officer