California Regional Water Quality Control Board

Los Angeles Region

Over 50 Years Serving Coastal Los Angeles and Ventura Counties

Recipient of the 2001 *Environmental Leadership Award* from Keep California Beautiful

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Winston H. Hickox
Secretary for Environmental Protection

Gray Davis
Governor

May 6, 2002

Certified Mail
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Claim No. 7001 2510 0003 6055 6876

Noel Shenoi
President
CalClean Inc.
3002 Dow Avenue, Suite #142
Tustin, CA 92780

COVERAGE UNDER GENERAL NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM AND WASTE DISCHARGE REQUIREMENTS – CALCEAN INC. , UNITED OIL STATION 19, 10211 EAST ALONDRA BOULEVARD, BELLFLOWER, CALIFORNIA (NPDES NO. CAG834001, CI-8403)

Dear Mr. Shenoi:

We have completed our review of your application for a permit to discharge waste under the National Pollution Discharge Elimination System (NPDES).

Based on the attached Fact Sheet and other information provided, we have determined that the proposed discharge of groundwater meets the conditions to be regulated under Order No. 97-046, *General National Pollutant Discharge Elimination System Permit and Waste Discharge Requirements For Treated Groundwater and Other Wastewaters from Investigation and/or Cleanup of Petroleum Fuel Pollution to Surface Waters in Coastal Watersheds of Los Angeles and Ventura Counties*, adopted by this Board on May 12, 1997.

Enclosed are your Waste Discharge Requirements, which also serve as your NPDES permit, consisting of Order No. 97-046 and Monitoring and Reporting Program No. CI-8403. The discharge limitations in Part E of Order No. 97-046 are applicable to your discharge. Attachment A of Order No. 97-046 lists waterbody specific limits; however ther are no waterbody specific limits for your discharge to the San Gabriel River (Part 8.f). Before commencing discharge, a representative sample of the effluent shall be taken 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-8403 and NPDES No. CAG834001", 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. 97-046 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.

If you have any questions, please contact LB Nye at (213) 576-6793.

Sincerely,

Dennis A. Dickerson
Executive Officer

Enclosures Fact Sheet
Figure 1. Project Location Map
Attachment A, Priority Pollutants
Attachment B, SWRCB Minimum Levels
Monitoring and Reporting Program No. CI-8403
General NPDES Permit No. CAG834001, Order No. 97-046

cc: U.S. 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
Mr. Jim Kassel, Division of Water Quality, State Water Resources Control Board
Michael Lauffer, Office of Chief Counsel, State Water Resources Control Board
California Department of Fish and Game, Region 5
California Department of Health Services, Environmental Branch
County of Los Angeles, Department of Public Works, Environmental Programs Division
County of Los Angeles, Department of Health Services
County of Los Angeles, Department of Public Works, Flood Control Division
City Manager, City of Bellflower
Ed Rands, Frey Environmental Inc.

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
CALCLEAN INC.
(UNITED STATION # 19)

NPDES NO. CAG834001
CI-8403

FACILITY ADDRESS
United Station # 19
10211 E. Alondra Blvd
Bellflower, CA 90706

FACILITY MAILING ADDRESS
CalClean Inc.
3002 Dow Ave, Suite #142
Tustin, CA 92780

PROJECT DESCRIPTION

CalClean Inc. proposes to extract and treat petroleum-impacted groundwater which underlies an operating retail United Oil Service Station at 10211 E. Alondra Blvd., California. The site has an Remedial Action Plan for cleanup of the impacted groundwater which was prepared by Frey Environmental, Inc. and has been approved by the Regional Board. CalClean's system will be temporarly installed on the asphalt next to the fuel dispenser islands and used for immediate and then intermittant treatment of impacted groundwater.

Impacted groundwater will be treated by passing it through an oil water separator, and through granulated activated carbon canisters. The treatment system is expected to remove Methyl Tertiary Butyl Ether (MTBE), benzene, xylene and other gasoline products.

VOLUME AND DESCRIPTION OF DISCHARGE

Up to 30,000 gallons per day of treated groundwater will be discharged into the storm drain located at Latitude: 33° 53' 37.5"N, Longitude: 118° 07' 05"W. Discharge from the storm drain flows into the San Gabriel River, between Firestone Blvd. and the San Gabriel River estuary, a water of the United States. The facility location is shown on Figure 1. A schematic of the treatment system is shown on Figure 2.

FREQUENCY OF DISCHARGE

Discharge will occur intermittently during a period of approximately one year. Each discharge event is expected to last 5 to 30 days.

REUSE OF WATER

Approximately 300 gallons per day of treated water will be used within CalClean's liquid ring pump system as makeup water. However, there are no other feasible reuse option for treated groundwater at the site.

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

MONITORING AND REPORTING PROGRAM CI-8403
FOR
CALCLEAN INC.
(UNITED STATION # 19)

NPDES NO. CAG834001

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	April 15
April - June	July 15
July - September	October 15
October - December	January 15
Annual Summary Report	March 15

B. The first monitoring report under this Program is due by July 15, 2002. 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. Before commencing a new discharge, a representative sample of the effluent shall be collected and analyzed for toxicity and all the constituents listed in E. 1. of Order No. 97-046 and 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 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 97-046, 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, as applicable:

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.

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	**Units**	**Type of Sample**	**Minimum Frequency of Analysis**
Total Waste Flow	gal/day	totalizer	continuously
pH	pH	grab	monthly
Temperature	°C	grab	monthly
Settleable Solids	ml/L	grab	monthly
Total Suspended Solids	mg/L	grab	monthly
Turbidity	NTU	grab	monthly
Oil and Grease	mg/L	grab	monthly
Sulfides	mg/L	grab	monthly
BOD_5 20°C	mg/L	grab	monthly
Total Petroleum Hydrocarbons	µg/L	grab	monthly
Benzene	µg/L	grab	monthly[1]
Toluene	µg/L	grab	monthly[1]
Ethylbenzene	µg/L	grab	monthly[1]

[1] Analysis is required weekly for the first month, monthly thereafter, if no exceedance is observed.

Constituent	Units	Type of Sample	Minimum Frequency of Analysis
Xylene	µg/L	grab	monthly[1]
Ethylene Dibromide	µg/L	grab	monthly[1]
Lead	µg/L	grab	monthly[1]
Methyl Tertiary Butyl Ether (MTBE)	µg/L	grab	monthly[1]
Tertiary Butyl Alcohol (TBA)	µg/L	grab	monthly
Tertiary Amyl Methyl Ether (TAME)	µg/L	grab	monthly
Napthalene	µg/L	grab	monthly
Di-isopropyl Ether (DIPE)	µg/L	grab	monthly
Methanol	µg/L	grab	monthly
Ethanol	µg/L	grab	monthly
Acute Toxicity	% Survival	grab	annually
Priority Pollutants (see attached list)	µg/L	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*, August 1993, (EPA/600/4-90/027F) or a more recent edition. Submission of bioassay results should include the information noted on pages 71-74 of the EPA/600/4-90/027F 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 weekly 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. The monitoring report shall specify the USEPA analytical method used, the Method Detection Limit (MDL) and the Minimum Level (ML[2]) for each pollutant. For the purpose of reporting compliance with numerical limitations, performance goals, and receiving water limitations, analytical data shall be reported with one of the following methods, as the case may be:

1. An actual numerical value for sample results greater than or equal to the ML; or

2. "Detected, but Not Quantified (DNQ)" if results are greater than or equal to the laboratory's MDL but less than the ML. The estimated[3] chemical concentration of the sample shall also be reported; or

3. "Not-Detected (ND)" for sample results less than the laboratory's MDL with the MDL indicated for the analytical method used.

The ML employed for an effluent analysis shall be lower than the permit limit established for a given parameter, unless the Discharger can demonstrate that a particular ML is not attainable and obtains approval for a higher ML from the Executive Officer. At least once a year, the discharger shall submit a list of the analytical methods employed for each test and the associated laboratory quality assurance/quality control procedures.

VI. 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.

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[2] The minimum levels are those published by the State Water Resources Control Board in the *Policy for the Implementation of Toxics Standards for Inland Surface Waters, Enclosed Bays, and Estuaries of California,* March 2, 2000, see Attachment B.

[3] Estimated chemical concentration is the estimated chemical concentration that results from the confirmed detection of the substance by the analytical method below the ML value.

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. 97-046. 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 makes a request and the request is backed by statistical trends of monitoring data submitted.

Ordered by: _____
Dennis A. Dickerson
Executive Officer

Date: May 6, 2002

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