



# California Regional Water Quality Control Board

## Los Angeles Region



Winston H. Hickox  
Secretary for  
Environmental  
Protection

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>

Gray Davis  
Governor

*RFW*

*97-045*

August 20, 1999

Mr. Stephen Pang  
Caltrans District 7, Foothill Construction Office  
4000 Wheeler Avenue, Suite 1  
La Verne, CA 91750

*4B19600504 (new)*

Dear Mr. Pang:

**GENERAL NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMIT AND WASTE DISCHARGE REQUIREMENTS – DISCHARGE OF GROUNDWATER FROM PAVEMENT REHABILITATION PROJECT FOR ROUTE 10 AT FAIRPLEX DRIVE, POMONA (NPDES NO. CAG994001, CI-8072)**

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

State of California Department of Transportation (Caltrans) proposes to discharge groundwater generated during the highway rehabilitation project for the route 10 at Fairplex Drive in Pomona. The project also includes the installation of horizontal drain. Caltrans plans to discharge intermittently up to 456,500 gallons per day of groundwater into a storm drain (Latitude 33° 04' 00" and Longitude 117° 47' 11") via junction chambers. The waste (groundwater) then flows into the San Jose Creek, and then merges in the San Gabriel River, a water of the United States above the estuary.

Caltrans has evaluated the potential reuses of the discharged water and determined that there is no practical way to reuse the water.

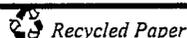
We have reviewed the information provided and determined that the proposed discharge of the groundwater meets the conditions to be regulated under Order No. 97-045, "General National Pollutant Discharge Elimination System Permit and Waste Discharge Requirements for Groundwater Discharges from Construction and Project Dewatering to Surface Waters in Coastal Watersheds of Los Angeles and Ventura Counties", adopted by this Board on May 12, 1997.

Enclosed are waste discharge requirements consisting of:

1. General Waste Discharge Requirements, Order No. 97-045, and
2. Monitoring and Reporting Program No. CI-8072.

Discharge limits in Part E of this Order are applicable to your discharge. Attachments A.8.(d) and B of Order No. 97-045 are also applicable to your discharge. Before commencing any discharges, a representative sample shall be taken and analyzed to determine compliance with the discharge limitations.

*California Environmental Protection Agency*



*Our mission is to preserve and enhance the quality of California's water resources for the benefit of present and future generations.*

Mr. Stephen Pang

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August 20, 1999

The Monitoring and Reporting Program requires you to implement the monitoring program on the effective date of this permit. All monitoring reports should be sent to the Regional Board, ATTN: Information Technology Unit.

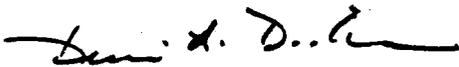
When submitting monitoring or technical reports to the Regional Board per these requirements, please include a reference to "Compliance File No. CI-8072", which will assure that the reports are directed to the appropriate file and staff. Also, please do not combine other reports with your monitoring reports. Submit each type of report as a separate document.

In order to avoid future annual fees, please submit a termination certification when the project has been completed and the permit is no longer needed.

We are sending a copy of Order No. 97-045 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 Dr. Kwang Lee at (213) 576-6666.

Sincerely,

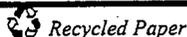


DENNIS A. DICKERSON  
Executive Officer

Enclosures

cc: U.S. Environmental Protection Agency, Region 9, Clean Water Act Standards  
and Permits (WTR-5)  
U.S. Army Corps of Engineers  
NOAA, National Marine Fisheries Service  
Department of Interior, U.S. Fish and Wildlife Service  
Mr. John Youngerman, Division of Water Quality, SWRCB  
Mr. Jorge Leon, Office of Chief Counsel, SWRCB  
Department of Fish and Game, Region 5  
Los Angeles County, DPW, Environmental Programs Division  
Los Angeles County, Department of Health Services  
City of Pomona  
Mr. Ulf Richter, Professional Service Industries, Inc.

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

MONITORING AND REPORTING PROGRAM NO. CI-8072  
FOR  
STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION (CALTRANS)  
(PAVEMENT REHABILITATION PROJECT FOR ROUTE 10 AT FAIRPLEX)  
(NPDES NO. CAG994001)

The discharger shall implement this monitoring program on the effective date of this permit. Monitoring reports shall be received by the dates in the following schedule:

<u>Reporting Period</u>	<u>Report Due</u>
January - March	April 15
April - June	July 15
July - September	October 15
October - December	January 15
Annual	March 15

The first monitoring report under this Program is due by October 15, 1999. If there is no discharge, the report shall state so. If there is any off-site disposal, copies of the manifests must be included in the quarterly report.

All monitoring reports shall include discharge limitations in the Order, tabulated analytical data, the chain of custody, laboratory report (including but not limited to date and time of sampling, date of analyses, method of analysis and detection limits).

I. Discharge Monitoring

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 be commenced before compliance with the requirements is ascertained. Any visual observation shall be included in the monitoring report.

The following shall constitute the discharge monitoring program:

<u>Constituent</u>	<u>Units</u>	<u>Type of Sample</u>	<u>Minimum Frequency of Analysis</u> <sup>[1,2]</sup>
Total waste flow	gal/day	---	once per discharge event
pH	pH units	grab	once per discharge event
Temperature	°F	grab	once per discharge event
Oil and grease	mg/L	grab	once per discharge event
Settleable solids	ml/L	grab	once per discharge event
Total suspended solids	mg/L	grab	once per discharge event
BOD <sub>5</sub> 20°C	mg/L	grab	once per discharge event

<u>Constituent</u>	<u>Units</u>	<u>Type of Sample</u>	<u>Minimum Frequency of Analysis</u> <sup>[1,2]</sup>
Turbidity	NTU	grab	once per discharge event
Sulfides	mg/L	grab	once per discharge event
Phenols	mg/L	grab	once per discharge event
Phenolic compounds (chlorinated)	µg/L	grab	once per discharge event
Detergents as Methylene Blue Active Substances (MBAS)	mg/L	grab	once per discharge event
Total dissolved solids	mg/L	grab	once per discharge event
Sulfate	mg/L	grab	once per discharge event
Chloride	mg/L	grab	once per discharge event
Nitrate + Nitrite (as N)	mg/L	grab	once per discharge event
Benzene	µg/L	grab	once per discharge event
Toluene	µg/L	grab	once per discharge event
Xylene	µg/L	grab	once per discharge event
Ethylbenzene	µg/L	grab	once per discharge event
Ethylene dibromide	µg/L	grab	once per discharge event
Carbon tetrachloride	µg/L	grab	once per discharge event
Tetrachloroethylene	µg/L	grab	once per discharge event
Trichloroethylene	µg/L	grab	once per discharge event
1,4-Dichlorobenzene	µg/L	grab	once per discharge event
1,1-Dichloroethane	µg/L	grab	once per discharge event
1,2-Dichloroethane	µg/L	grab	once per discharge event
1,1-Dichloroethylene	µg/L	grab	once per discharge event
Vinyl chloride	µg/L	grab	once per discharge event
Arsenic	µg/L	grab	once per discharge event
Cadmium	µg/L	grab	once per discharge event
Chromium	µg/L	grab	once per discharge event
Copper	µg/L	grab	once per discharge event
Lead	µg/L	grab	once per discharge event
Mercury	µg/L	grab	once per discharge event
Selenium	µg/L	grab	once per discharge event
Silver	µg/L	grab	once per discharge event
Total petroleum hydrocarbon	mg/L	grab	once per discharge event
Methyl Tertiary Butyl Ether (MTBE)	µg/L	grab	once per discharge event
Acute Toxicity <sup>[3]</sup>	%Survival	grab	annually

[1] Before any new discharge commences, a representative sample shall be analyzed and the test results show compliance with all discharge limitations of Order 97-045. If any constituent exceeds the limit in Order 97-045, 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.

[2] During periods of extended discharge, no more than one analysis per two weeks is required.

[3] By the method specified in "Methods for Measuring the Acute Toxicity of Effluents to Freshwater and Marine Organisms" - September 1991, (EPA/600/4-90/027). Submission of bioassay results should include the information noted on pages 70-73 of the "Methods". The fathead minnow (Pimephales Promelas) shall be used as the test species. 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.

## II. Laboratory Analyses

All chemical, bacteriological, and toxicity analyses shall be conducted at a laboratory certified for such analyses by the State 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.

Samples must be analyzed within allowable holding time limits as specified in 40 CFR Part 136.3. All QA/QC items should be run on the same dates when samples were actually analyzed and documentation shall accompany the laboratory reports.

The detection limits employed for effluent analyses shall be lower than the permit limits established for a given parameter, unless the discharger can demonstrate that a particular detection limit is not attainable and obtains approval for a higher detection limit from the Executive Officer.

## III. Notification

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 the Executive Officer's approval.

Ordered by:

  
DENNIS A. DICKERSON  
Executive Officer

Date:

August 20, 1999

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