

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

MONITORING AND REPORTING PROGRAM NO. CI-8569  
NAVAL BASE VENTURA COUNTY, PORT HUENEME FACILITY  
(FIELD DEMONSTRATION AND VALIDATION  
OF A NEW DEVICE FOR MEASURING GROUNDWATER AND SOLUTE FLUX)  
(FILE NO. 94-073)

I. Discharge Monitoring

The Discharger shall sample from up gradient monitoring wells A1-1S and A1-1D at location A-1, up gradient monitoring wells A2-1S and A2-1D at location A-2, and up gradient monitoring well FTMWB-1 at location B, to provide background water quality information. The Discharger shall sample from down gradient monitoring wells A1-2S, A1-2D, A1-3S and A1-3D at location A-1, down gradient monitoring wells A2-2S, A2-2D, A2-2S, and A2-2D at location A-2, and down gradient monitoring well FTMWB-2 at location B. Groundwater from the wells noted above shall be monitored for the duration of the Field Demonstration in accordance with the following discharge monitoring program:

<u>CONSTITUENT</u>	<u>UNITS</u>	<u>TYPE OF SAMPLE</u>	<u>MINIMUM FREQUENCY OF ANALYSIS</u>
Alcohols (EPA Method 8015b)	µg/L	Grab	<ul style="list-style-type: none"> <li>• 1 week before injection</li> <li>• Weekly for the first month following injection</li> <li>• Monthly for the next 3 months</li> <li>• Quarterly thereafter</li> </ul>
pH	pH units	Grab	<ul style="list-style-type: none"> <li>• 1 week before injection</li> <li>• Weekly for the first month following injection</li> <li>• Monthly for the next 3 months</li> <li>• Quarterly thereafter</li> </ul>
Anions (bromide, iodide, chloride, sulfate, nitrate, nitrite, O-phosphate, and sulfide) (EPA 300)	mg/L	Grab	<ul style="list-style-type: none"> <li>• 1 week before injection</li> <li>• Weekly for the first month following injection</li> <li>• Monthly for the next 3 months</li> <li>• Quarterly thereafter</li> </ul>
Cations (barium, calcium, magnesium, manganese, potassium and sodium)	mg/L	Grab	<ul style="list-style-type: none"> <li>• 1 week before injection</li> <li>• Weekly for the first month following injection</li> <li>• Monthly for the next 3 months</li> <li>• Quarterly thereafter</li> </ul>

Temperature	<sup>0</sup> F/ <sup>0</sup> C	Grab	<ul style="list-style-type: none"> <li>• 1 week before injection</li> <li>• Weekly for the first month following injection</li> <li>• Monthly for the next 3 months</li> <li>• Quarterly thereafter</li> </ul>
Groundwater Elevation	Feet, mean sea level and below ground surface	<i>In situ</i>	<ul style="list-style-type: none"> <li>• 1 week before injection</li> <li>• Weekly for the first month following injection</li> <li>• Monthly for the next 3 months</li> <li>• Quarterly thereafter</li> </ul>

## II. Reporting and Laboratory Analyses

### A. REPORTING REQUIREMENTS

1. In accordance with section 13267 of the California Water Code, the Discharger shall furnish, under penalty of perjury, technical monitoring report to the Regional Board during the pilot test and during any post-test monitoring period. Such reports shall be submitted in accordance with specifications prepared by the Executive Officer.
2. The monitoring reports shall be submitted monthly by the 15<sup>th</sup> of the following month, with the first report due July 15, 2003, for the first month. Reports shall be submitted quarterly thereafter.
3. All monitoring reports shall include discharge limitations in the Order (see A. Discharge Limits, and B. Discharge Limitations), tabulated analytical data, findings to date, 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). If there is no discharge, the report shall so state it.
4. Within 6 months following the end of the field demonstration, the Discharger shall submit a final summary report to the Regional Board to report the comprehensive findings observed during the field demonstration.

The report shall contain both tabular and graphical summaries of the monitoring data obtained prior to and during the pilot test. In addition, the Discharger shall discuss the compliance record and the corrective actions taken which may be needed to bring the discharge into full compliance with the site's Waste Discharge Requirements.

B. LABORATORY ANALYSIS REQUIREMENTS

1. All laboratory 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.
2. Samples shall be analyzed within allowable holding time limits as specified in 40 CFR Part 136.3. All quality assurance/quality control (QA/QC) items should be run on the same dates when samples were actually analyzed and documentation shall accompany the laboratory reports.
3. The detection limits employed for sample 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

1. The Discharger shall inform this Regional Board 24 hours before the start of the discharge.
2. The Discharger shall inform this Regional Board within 24 hours in the event that any discharge exceeds the discharge limit. Written confirmation shall follow within one week and shall include date and time, estimated volume and/or concentration, duration, cause, and all corrective actions taken.
3. The Discharger shall inform this Regional Board of the termination of the demonstration project.

Ordered by: \_\_\_\_\_  
Dennis A. Dickerson  
Executive Officer

April 3, 2003 \_\_\_\_\_  
Date