

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

MONITORING AND REPORTING PROGRAM NO. CI-8906  
 UNITED STATES NAVY, NAVAL BASE VENTURA COUNTY  
 (BUILDING 631, 631 12<sup>th</sup> STREET)  
 POINT MUGU, CALIFORNIA

ORDER NO. R4-2005-0030 (SERIES NO. 020)  
 (FILE NO. 98-017)

I. Discharge Monitoring

For this Monitoring and Reporting Program the Discharger shall sample from one monitoring well (MW-4), upgradient of the injection areas, two monitoring wells down gradient of the injection areas (MW-9 and MW-10), and one well within the injection areas (MW-2). Maps of the area and site are provided as Figures 1 through 5. Monitoring of the results of injection shall consist of sampling and analyzing groundwater samples from these groundwater-monitoring wells. Groundwater shall be monitored for the duration of the evaluation in accordance with the following discharge monitoring program:

**Groundwater**

<u>CONSTITUENT</u>	<u>UNITS</u>	<u>TYPE OF SAMPLE</u>	<u>MINIMUM FREQUENCY OF ANALYSIS</u>
Total daily injection waste flow	Liters/day, or other units as appropriate	Not Applicable	Daily during injection
Total Petroleum Hydrocarbons (EPA Method 8015 Modified)	mg/l	Grab, from wells MW-2, MW-4, MW-9, and MW-10.	<ul style="list-style-type: none"> <li>• Prior to injection</li> <li>• 1 week after injection</li> <li>• Weekly for 2<sup>nd</sup> and 3<sup>rd</sup> weeks</li> <li>• Monthly for the next 2 months</li> <li>• Every 3 months thereafter</li> </ul>
MTBE, DIPE, ETBE, TAME, TBA and BTEX (EPA Method 8260B)	µg/l	Grab, from wells MW-2, MW-4, MW-9, and MW-10.	<ul style="list-style-type: none"> <li>• Prior to injection</li> <li>• 1 week after injection</li> <li>• Weekly for 2<sup>nd</sup> and 3<sup>rd</sup> weeks</li> <li>• Monthly for the next 2 months</li> <li>• Every 3 months thereafter</li> </ul>
Cations (barium, calcium, magnesium, manganese, potassium and sodium)	mg/l	Grab, from wells MW-2, MW-4, MW-9, and MW-10.	<ul style="list-style-type: none"> <li>• Prior to injection</li> <li>• 1 week after injection</li> <li>• Weekly for 2<sup>nd</sup> and 3<sup>rd</sup> weeks</li> <li>• Monthly for the next 2 months</li> </ul>

			<ul style="list-style-type: none"> <li>• Every 3 months thereafter</li> </ul>
Anions (bromide, iodide, chloride, sulfate, nitrate, nitrite, O-phosphate, and sulfide) (EPA 300)	mg/l	Grab, from wells MW-2, MW-4, MW-9, and MW-10.	<ul style="list-style-type: none"> <li>• Prior to injection</li> <li>• 1 week after injection</li> <li>• Weekly for 2<sup>nd</sup> and 3<sup>rd</sup> weeks</li> <li>• Monthly for the next 2 months</li> <li>• Every 3 months thereafter</li> </ul>
Total dissolved solids and total suspended solids	mg/l	Grab, from wells MW-2, MW-4, MW-9, and MW-10.	<ul style="list-style-type: none"> <li>• Prior to injection</li> <li>• 1 week after injection</li> <li>• Weekly for 2<sup>nd</sup> and 3<sup>rd</sup> weeks</li> <li>• Monthly for the next 2 months</li> <li>• Every 3 months thereafter</li> </ul>
pH	pH units	Grab, from wells MW-2, MW-4, MW-9, and MW-10.	<ul style="list-style-type: none"> <li>• Prior to injection</li> <li>• 1 week after injection</li> <li>• Weekly for 2<sup>nd</sup> and 3<sup>rd</sup> weeks</li> <li>• Monthly for the next 2 months</li> <li>• Every 3 months thereafter</li> </ul>
Temperature	<sup>0</sup> F/ <sup>0</sup> C	Grab, from wells MW-2, MW-4, MW-9, and MW-10.	<ul style="list-style-type: none"> <li>• Prior to injection</li> <li>• 1 week after injection</li> <li>• Weekly for 2<sup>nd</sup> and 3<sup>rd</sup> weeks</li> <li>• Monthly for the next 2 months</li> <li>• Every 3 months thereafter</li> </ul>
Groundwater Elevation	Feet below ground surface, and feet above (or below) mean sea level	MW-1, MW-2, MW-3, MW-4, MW-5, MW-6, MW-7, MW-8, MW-9, MW-10, and proposed wells MW-15 and MW-16.	<ul style="list-style-type: none"> <li>• Prior to injection</li> <li>• 1 week after injection</li> <li>• Weekly for 2<sup>nd</sup> and 3<sup>rd</sup> weeks</li> <li>• Monthly for the next 2 months</li> <li>• Every 3 months 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 evaluation and 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 quarterly by the 15<sup>th</sup> of the following month, with the first report due October 15, 2005. Subsequent quarterly reports shall be received at the Regional Board according to the following schedule:

<u>Monitoring Period</u>	<u>Report Due</u>
January – March	April 15
April – June	July 15
July – September	October 15
October – December	January 15
Annual Summary Report	March 1 of each year

3. If there is no discharge or injection, during any reporting period, the report shall so state. Monitoring reports must be addressed to the Regional Board, Attention: Information Technology Unit.
4. All monitoring reports shall include discharge limitations in the Order (Waste Discharge Requirements and Discharge Prohibitions), 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). If there is no discharge, the report shall so state it.
5. Within six (6) months following the end of the evaluation the Discharger shall submit a final summary report to the Regional Board to report the findings.

The report shall contain both tabular and graphical summaries of the monitoring data obtained prior to and proceeding the pilot test. In addition, US Naval Base Ventura County, Port Hueneme shall discuss the compliance record and the corrective actions taken or planned, which may be needed to bring the discharge into full compliance with the site's waste discharge requirements, if any.

B. CERTIFICATION STATEMENT

Each report shall contain the following completed declaration:

"I certify under penalty of law that this document, including all attachments and supplemental information, was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of a fine and imprisonment.

Executed on the \_\_\_\_\_ day of \_\_\_\_\_

at \_\_\_\_\_

\_\_\_\_\_(Signature)

\_\_\_\_\_(Title)"

C. LABORATORY ANALYSIS REQUIREMENTS

1. 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.
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 evaluation project.

IV. Monitoring Frequency

1. Specifications in this monitoring program are subject to periodic revisions. Monitoring requirements may be modified or revised by the Executive Officer based on review of monitoring data submitted pursuant to this Order. Monitoring frequencies may be adjusted to a less frequent basis or parameters and locations dropped by the Executive Officer if the Discharger makes a request and the request is backed by statistical trends of monitoring data submitted.
2. All records and reports submitted in compliance with this Order are public documents and will be made available for inspection during business hours at the office of the California Regional Water Quality Control Board, Los Angeles Region, upon request by interested parties. Only proprietary information, and only at the request of the Discharger, will be treated as confidential.

Ordered by: \_\_\_\_\_  
Jonathan Bishop  
Executive Officer

Date: July 8, 2005