

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
CENTRAL VALLEY REGION

MONITORING AND REPORTING PROGRAM NO.
FOR
CALIFORNIA DEPARTMENT OF CORRECTIONS
DEUEL VOCATIONAL INSTITUTION WASTEWATER TREATMENT SYSTEM
IMPROVEMENT PROJECT DEWATERING DISCHARGE TO LAND
SAN JOAQUIN COUNTY

This Monitoring and Reporting Program (MRP) describes requirements for monitoring extracted groundwater and the designated disposal area. This MRP is issued pursuant to Water Code Section 13267. The Discharger shall not implement any changes to this MRP unless and until a revised MRP is issued by the Executive Officer.

DESIGNATED DISPOSAL AREA MONITORING

The Discharger shall monitor the dewatering discharge areas in accordance with the following. Monitoring shall be performed daily and the results shall be included in the monthly monitoring report. Erosion, ground saturation, the effectiveness of containment berms and levees, and nuisance conditions shall be evaluated weekly and discussed in the report. The discharge shall also be monitored to estimate hydraulic loading rates.

<u>Parameter</u>	<u>Units</u>	<u>Type of Sample</u>	<u>Monitoring Frequency</u>	<u>Reporting Frequency</u>
Extracted groundwater flow rate	gallons	Metered	Daily	Monthly
Rainfall ¹	Inches	Measurement	Daily	Monthly
Net acreage receiving the discharge ²	Acres	Estimation	Daily	Monthly
Nuisance Conditions ³	Observation	NA	Daily	Monthly
Evidence of discharge outside the designated disposal area ⁴	Present or Absent		Daily	Monthly

¹ Rainfall can be reported from data collected from an on-site weather station or a nearby government operated weather station.

² Acreage shall name all fields that received water. The acreage for each field shall be estimated.

³ Nuisance conditions consist of objectionable odors, presence or breeding of mosquitoes, or other objectionable vector.

⁴ The description shall include evidence of erosion, ground saturation, effectiveness of containment berms and levees.

TREATMENT SYSTEM MONITORING

The Discharger shall monitor effluent from the treatment system in accordance with the following. Monitoring shall be performed weekly and the results shall be included in the monthly monitoring report. This monitoring is required unless the Executive Officer approves operation of the dewatering system without use of a treatment system based on the extracted groundwater quality.

<u>Parameter</u>	<u>Units</u>	<u>Analytical Method</u> ¹	<u>Monitoring Frequency</u>	<u>Reporting Frequency</u>
VOCs ²	mg/L	EPA Method 8260B	Weekly	Monthly
TPH-G	mg/L	EPA Method 8015B	Weekly	Monthly
TPH-D	mg/L	EPA Method 8015B	Weekly	Monthly
MTBE	mg/L	EPA Method 8260	Weekly	Monthly
GAC	Pounds	Measurement	Monthly	Monthly

VOCs denotes Volatile Organic Compounds. TPH-G denotes Total Petroleum Hydrocarbons as Gasoline. TPH-D denotes Total Petroleum Hydrocarbons as Diesel. MTBE denotes Methyl T-Butyl Ether. GAC denotes Granular Activated Carbon.

¹ Analytical method specified or equivalent.

² VOCs analysis can be limited to cis- and trans-1,2-Dichloroethene, Tetrachloroethene (PCE), Trichloroethene (TCE).

REPORTING

In reporting monitoring data, the Discharger shall arrange the data in tabular form so that the date and monitoring results are readily discernible. The data shall be summarized in such a manner to clearly illustrate compliance with the conditions of Resolution No. [REDACTED]. The results of any monitoring done more frequently than required at the locations specified in the Monitoring and Reporting Program shall be reported to the Regional Water Board.

A. Monthly Monitoring Reports

Monthly reports shall be submitted to the Regional Water Board on the **1st day of the second month following monitoring** (i.e. the January Report is due by 1 March). At a minimum, the monthly monitoring reports shall include the results of the designated disposal area monitoring, treatment system monitoring, and description of the amount of granular activated carbon or other treatment residual used or a detailed discussion of any alternative treatment method implemented.

B. Annual Report

An Annual Report shall be prepared after each year and after completion of the project. The Annual Report shall include all monitoring data required in the monthly schedule, and shall be submitted to the Regional Water Board by **1 February each year**. In addition to the data normally presented, the Annual Report shall include the following:

1. Tabular and graphical summaries of all data collected during the year.
2. An evaluation of the discharge areas and discussion of any structural or operational improvements needed for future use of these areas.
3. A discussion of compliance and the corrective action taken.

4. A discussion of any data gaps and potential deficiencies/redundancies in the monitoring system or reporting program.

A letter transmitting the self-monitoring reports shall accompany each report. The letter shall include a discussion of all problems found during the reporting period, and actions taken or planned for correcting them, such as operation or facility modifications. If the Dischargers have previously submitted a report describing corrective actions and/or a time schedule for implementing the corrective actions, reference to the previous correspondence will be satisfactory. The transmittal letter shall contain the penalty of perjury statement by the Discharger, or the Discharger's authorized agents, as described in the Standard Provisions General Reporting Requirements Section B.3.

The Discharger shall implement the above monitoring program as of the date of this Resolution.

Ordered by: _____
PAMELA C. CREEDON, Executive Officer

(Date)

TRO: 1/3/08