

**CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION**

MONITORING AND REPORTING PROGRAM R7-2013-0020 (REVISION 1)
FOR
CALIFORNIA DEPARTMENT OF CORRECTIONS, OWNER/OPERATOR
McCain VALLEY CONSERVATION CAMP
WASTEWATER TREATMENT FACILITIES
North of Boulevard - San Diego county

Discharge Location: SE ¼, SW ¼ of Section 16, T17S, R7E, SBB&M

MONITORING

1. This Monitoring and Reporting Program (MRP) describes requirements for monitoring a wastewater system and groundwater quality (when needed). This MRP is issued pursuant to California Water Code (Wat. Code) § 13267. The Discharger shall not implement any changes to this MRP unless and until a revised MRP is issued by the Regional Water Board's Executive Officer.
2. Water Code section 13267 states, in part:

"In conducting an investigation specified in subdivision (a), the regional board may require that any person who has discharged, discharges, or is suspected of having discharged or discharging, or who proposes to discharge waste within its region, or any citizen or domiciliary, or political agency or entity of this state who has discharged, discharges, or is suspected of having discharged or discharging, or who proposes to discharge, waste outside of its region that could affect the quality of waters within its region shall furnish, under penalty of perjury, technical or monitoring program reports which the regional board requires. The burden, including costs, of these reports shall bear a reasonable relationship to the need for the report and the benefits to be obtained from the reports. In requiring those reports, the regional board shall provide the person with a written explanation with regard to the need for the reports, and shall identify the evidence that supports requiring that person to provide the reports."

3. Water Code section 13268 states, in part:

"(a) (1) Any person failing or refusing to furnish technical or monitoring program reports as required by subdivision (b) of § 13267, or failing or refusing to furnish a statement of compliance as required by subdivision (b) of Section 13399.2, or falsifying any information provided therein, is guilty of a misdemeanor, and may be liable civilly in accordance with subdivision (b). (b) (1) Civil liability may be administratively imposed by a regional board in accordance with Article 2.5 (commencing with § 13323) of Chapter 5 for a violation of subdivision (a) in an amount which shall not exceed one thousand dollars (\$1,000) for each day in which the violation occurs."

4. The Discharger owns and operates the wastewater system that is subject to Order R7-2013-0020. The reports are necessary to ensure that the Discharger complies with the Order. Pursuant to Water Code section 13267, the Discharger shall implement the MRP and shall submit the monitoring reports described herein.
5. All samples shall be representative of the volume and nature of the discharge or matrix of material sampled. The time, date, and location of each grab sample shall be recorded on the sample chain of custody form. If composite samples are collected, the basis for sampling (time or flow weighted) shall be approved by Regional Water Board staff.
6. Field test instruments (such as those used to test pH, dissolved oxygen, and electrical conductivity) may be used provided that:
 - a. The user is trained in proper use and maintenance of the instruments;
 - b. The instruments are field calibrated prior to monitoring events at the frequency recommended by the manufacturer;
 - c. Instruments are serviced and/or calibrated by the manufacturer at the recommended frequency; and
 - d. Field calibration reports are submitted as described in the "Reporting" section of this MRP.
7. The collection, preservation and holding times of all samples shall be in accordance with U. S. Environmental Protection Agency approved procedures. Unless otherwise approved by the Regional Water Board Executive Officer, all analyses shall be conducted by a laboratory certified by the California Department of Public Health. All analyses shall be conducted in accordance with the latest edition of the "Guidelines Establishing Test Procedures for Analysis of Pollutants" (40 CFR Part 136), promulgated by the USEPA.
8. The Discharger shall retain records of all monitoring information, including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation, copies of all reports required by this Order, and records of all data used to complete the application for this Order, for a period of at least five (5) years from the date of the sample, measurement, report or application. Records of monitoring information shall include:
 - a. The date, exact place, and time of sampling or measurement(s);
 - b. The individual(s) who performed the sampling or measurement(s);
 - c. The date(s) analyses were performed;
 - d. The individual(s) who performed the analyses;
 - e. The analytical techniques or method used; and
 - f. The results of such analyses.

INFLUENT MONITORING

The wastewater influent to the treatment facilities shall be monitored for the following:

<u>Constituents</u>	<u>Unit</u>	<u>Type of Sample</u>	<u>Sampling Frequency</u>
Total Dissolved Solids	mg/L ¹	Grab	Quarterly
Flow	MGD ²	---	Daily (Reported Quarterly)

¹ mg/L – milligrams per Liter

² MGD – Million Gallons-per-Day

EFFLUENT MONITORING

The infiltration/evaporation basins shall be sampled quarterly during March, June, September and December and annually during November each year. The samples shall be analyzed for the following:

<u>Parameters and Constituents</u>	<u>Units</u>	<u>Type of Sample</u>	<u>Sampling Frequency</u>
Total Dissolved Solids	mg/L	Grab	Quarterly
Hydrogen Ion	pH Units	Grab	Quarterly
Dissolved Oxygen ³	mg/L	Grab	Quarterly
Nitrate as NO ₃ -N	mg/L	Grab	Quarterly
Ammonia (as Nitrogen)	mg/L	Grab	Quarterly
Total Nitrogen	mg/L	Grab	Quarterly
Volatile Organics (EPA Methods 601&602)	µg/L ⁴	Grab	Annually ⁵

GROUND WATER MONITORING

Ground water samples from the Monitoring Wells shall be monitored as follows:

<u>Constituents</u>	<u>Unit</u>	<u>Type of Sample</u>	<u>Sampling Frequency</u>
Total Dissolved Solids	mg/L	Grab	Quarterly
Nitrate (as Nitrogen)	mg/L	Grab	Quarterly
Ammonia (as Nitrogen)	mg/L	Grab	Quarterly
Total Nitrogen	mg/L	Grab	Quarterly
Hydrogen Ion	pH Units	Grab	Quarterly
Fecal Coliform	MPN ⁶ /100 ml	Grab	Quarterly
Volatile Organics (EPA Methods 601&602)	µg/L	Grab	Annually

³ The sample shall be collected from the upper one foot of every oxidation basin

⁴ µg/L – Micrograms Per Liter

⁵ Annual samples shall be collected during November

⁶ MPN – Most Probable Number

SLUDGE MONITORING

The discharger shall report annually on the quantity of sludge produced, total quantity of sludge stored at the site, location and method of disposal of all sludge and similar solid materials being produced at the wastewater treatment plant facility.

The sludge that is generated at the treatment facility shall be sampled and analyzed for the following:

<u>Constituents</u>	<u>Unit</u>	<u>Type of Sample</u>	<u>Sampling Frequency</u>
Arsenic	mg/kg ⁷	Composite	Annually
Cadmium	mg/kg	Composite	Annually
Copper	mg/kg	Composite	Annually
Lead	mg/kg	Composite	Annually
Mercury	mg/kg	Composite	Annually
Molybdenum	mg/kg	Composite	Annually
Nickel	mg/kg	Composite	Annually
Selenium	mg/kg	Composite	Annually
Zinc	mg/kg	Composite	Annually
Fecal Coliform	MPN ⁶ /100 ml	Composite	Annually
Volatile Organics (EPA Methods 601&602)	µg/L	Composite	Annually
Pesticides (EPA Method 608)	µg/L	Composite	Annually

WATER SUPPLY TO THE COMMUNITY

The water shall be monitored as follows:

<u>Constituents</u>	<u>Unit</u>	<u>Type of Sample</u>	<u>Sampling Frequency</u>
Total Dissolved Solids	mg/L	Grab	Quarterly

⁷ mg/kg – milligrams per kilogram on a dry weight basis

OPERATION AND MAINTENANCE

1. The discharger shall submit the following information annually:
 - a. List any proposed changes during the coming year;
 - b. Explain any problems in the sewage treatment and disposal system during the preceding year;
 - c. Number of persons presently discharging to the sewage system;

2. Septic tanks shall be inspected and pumped as described below:

a.

<u>Parameter</u>	<u>Units</u>	<u>Type of Measurement</u>	<u>Minimum Inspection Frequency</u>
Sludge depth and scum thickness in each compartment of septic tank	Feet	Staff Gauge	Annually
Distance between bottom of scum layer and bottom of outlet device	Inches	Staff Gauge	Annually
Distance between top of sludge layer and bottom of outlet device	Inches	Staff Gauge	Annually

- b. Septic tanks shall be pumped when any one of the following conditions exist, or may occur before the next inspection:
 1. The combined thickness of sludge and scum exceeds one-third of the tank depth of the first compartment; or
 2. The scum layer is within three inches of the outlet device; or:
 3. The sludge layer is within eight inches of the outlet device.
- c. In lieu of septic tanks measuring, the septic tank may be pumped annually.

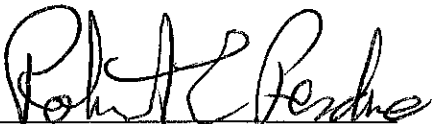
REPORTING

1. The discharger shall arrange the data in tabular form so that the specified information is readily discernible. The data shall be summarized in such a manner as to clearly illustrate whether the facility is operating in compliance with waste discharge requirements.
2. Each report shall contain the following statement:

"I declare under the penalty of law that I have personally examined and am familiar with the information submitted in this document, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of a fine and imprisonment for knowing violations."

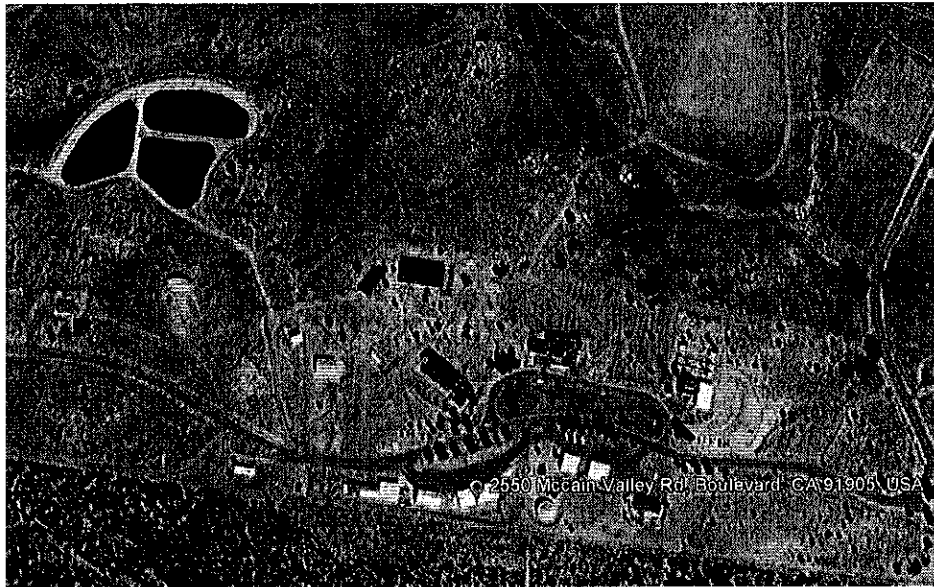
3. A duly authorized representative of the discharger may sign the documents if:
 - a. The authorization is made in writing by the person described above;
 - b. The authorization specified an individual or person having responsibility for the overall operation of the regulated disposal system; and
 - c. The written authorization is submitted to the Regional Board's Executive Officer.
4. Report immediately any failure in the waste disposal system to the Regional Board's Executive Officer and the Director of the County Environmental Health by telephone with follow-up by letter.
5. Quarterly monitoring reports shall be submitted to the Regional Board by January 15, April 15, July 15 and October 15 of each year. Annual monitoring reports shall be submitted to the Regional Board by January 15 of each year.
6. Submit monitoring reports to:

California Regional Water Quality Control Board
Colorado River Basin Region
73-720 Fred Waring, Suite 100
Palm Desert, CA 92260

Ordered by 
Executive Officer
1/31/14
Date

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD -7

Board Order 2013-0020 (REVISION 1)



SITE MAP

McCAIN VALLEY CONSERVATION CAMP
DOMESTIC WASTEWATER DISPOSAL PONDS
Boulevard - San Diego county
Discharge Location
SE ¼, SW ¼ of Section 16, T17S, R7E, SBB&M