

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

BOARD ORDER R7-2013-0020

**WASTE DISCHARGE REQUIREMENTS  
FOR  
CALIFORNIA DEPARTMENT OF CORRECTIONS, OWNER/OPERATOR  
McCain Valley Conservation Camp  
SEPTIC TANK/OXIDATION BASIN SEWAGE FACILITIES  
North of Boulevard - San Diego County**

The California Regional Water Quality Control Board, Colorado River Basin Region (Regional Water Board), finds that:

1. The California Department of Corrections is the owner/operator of McCain Valley Conservation Camp (Camp) (hereinafter also referred to as the Discharger), P. O. Box 1252, Boulevard, CA 91905.
2. The Camp's primary mission is to house inmate fire crews for fire suppression activities in the San Diego, Imperial and Riverside county areas. In addition to fire suppression, the inmate hand crews provide a work force for conservation and community service projects in the local area.
3. The Discharger is discharging a maximum of 16,000 gallons-per-day of domestic sewage from the Camp designed to house 160 inmates and a staff of about 30 persons. The average flow of wastewater at the facility is about 14,500 gallons-per-day. Wastewater from the office building and resident quarters are collected at a lift station where it is pumped to three (3) septic tanks. Each of these tanks has a capacity of 1500 gallons. The effluent from the septic tanks gravity-flows into three (3) oxidation/infiltration basins for final disposal by means of evaporation and percolation. Discharge into these basins is alternated on a regular basis. The maximum design capacity of the system is about 19,000 gallons-per-day. The septic tanks and the discharge basins are located in the SE ¼, SW ¼ of Section 16, T17S, R7E, SBB&M.
4. There are no domestic wells within 500 feet of the sewage treatment and disposal basins. Water is supplied via a pipeline from a domestic well located about one-mile southeast of the basins.
5. The Water Quality Control Plan for the Colorado River Basin Region of California (Basin Plan), which was adopted on November 17, 1993, and amended on November 13, 2012, designates the beneficial uses of ground and surface waters in this Region.
6. The designated beneficial uses of ground waters in the Anza Borrego Hydrologic Unit are:
  - a. Municipal supply (MUN)
  - b. Industrial Supply (IND)

7. This discharge has been subject to Waste Discharge Requirements (WDRs) adopted in Order 99-012 on March 11, 1999.
8. State Water Resources Control Board (State Water Board) Resolution 68-16 ("Policy with Respect to Maintaining High Quality Waters of the State") (hereinafter Resolution 68-16) requires a Regional Water Board in regulating the discharge of waste to maintain high quality waters of the State (i.e., background water quality) until it is demonstrated that any change in quality will be consistent with maximum benefit to the people of the State, will not unreasonably affect beneficial uses, and will not result in water quality less than as described in plans and policies (e.g. violation of any water quality objective). Moreover, the discharge is required to meet WDRs that result in the best practicable treatment or control (BPTC) of the discharge necessary to assure pollution or nuisance will not occur, and highest water quality consistent with maximum benefit to the people will be maintained
9. Some degradation of groundwater from the discharge to the oxidation/infiltration basins is consistent with Resolution 68-16, provided that this degradation:
  - a. Is confined to a reasonable area and will provide social and economic benefit to the people of the State;
  - b. Is minimized by means of full implementation, regular maintenance, and optimal operation of BPTC measures;
  - c. Is limited to waste constituents typically encountered in domestic wastewater; and
  - d. Does not result in the loss of any beneficial use as prescribed in the applicable basin plan, or violation of any water quality objective.
10. The discharge permitted herein is intermittent and is to oxidation/infiltration basins whose soils have been compacted to minimize percolation of wastewater into the uppermost encountered groundwater. Notwithstanding this fact, to the extent that any wastewater from the basins percolate during this time period, it does have a slight potential to degrade groundwater. However, compliance with the terms of this Order will keep degradation confined to the groundwater in the immediate area beneath and around the basin. The Discharger provides sewage services which are in themselves a benefit to the people of the State and also allow for economic prosperity of people in the area. Therefore, the permitted discharge is consistent with the anti-degradation provisions of Resolution 68-16.
11. In accordance with Section 15301, Chapter 3, Title 14 of the California Code of Regulations, the issuance of these WDRs, which govern the operation of an existing facility involving negligible or no expansion of use beyond that previously existing, is exempt from the provisions of the California Environmental Quality Act (Public Resources Code, Section 21000 et seq.).
12. The Regional Water Board has notified the Discharger and all known interested agencies and persons of its intent to update WDRs for this discharge, and has provided them with an opportunity to submit comments.
13. The Regional Water Board in a public meeting heard and considered all comments pertaining to this discharge.

IT IS HEREBY ORDERED, that Order 99-012 is rescinded, and in order to meet the provisions contained in Division 7 of the California Water Code and regulations adopted thereunder, the Discharger shall comply with the following:

A. Effluent Limitations

1. The dry weather flow to the treatment basins shall not exceed 19,000 gallons-per-day (GPD).
2. The increase in concentration of total dissolved solids (TDS) in the wastewater discharged to the treatment basins over that contained in the water supply to the Camp shall not exceed 400 mg/L. Whenever this TDS value is exceeded, the Discharger shall develop and implement appropriate mitigation measures acceptable to the Regional Water Board's Executive Officer.

B. Prohibitions

1. The direct discharge of any wastewater to any surface waters or surface drainage courses is prohibited.
2. Bypass or overflow of untreated or partially treated wastewater is prohibited.
3. The discharge of waste or wastewater to land not owned or controlled by the Discharger is prohibited.
4. Discharge of treated wastewater at a location or in a manner different from that described in Finding No. 3, above, is prohibited.
5. The disposal of wastewater in excess of the design treatment capacity of the system is prohibited.
6. Discharge of waste classified as "hazardous" or "designated" as defined in California Code of regulations, Title 27, to any part of the wastewater disposal system is prohibited.

C. Specifications

1. The treatment or disposal of wastes at this facility shall not cause pollution or nuisance as defined in Section 13050(l) and 13050(m) of Division 7 of the California Water Code.
2. No wastewater other than domestic wastewater shall be discharged into the sewage disposal system described in Finding No. 3, above.
3. A minimum depth of freeboard of two feet shall be maintained at all time in each of the basins.
4. Ponds shall be managed to prevent breeding of mosquitoes. In particular.
  - a. An erosion control program should ensure that small coves and irregularities are created around the perimeter of the water surface.
  - b. Weeds shall be minimized through control of water depth, harvesting and herbicides.

- c. Dead algae, vegetation and debris shall not be allowed to accumulate on the water surface.
5. Adequate measures shall be taken to assure that flood or surface drainage waters do not erode or otherwise render portions of the discharge facilities inoperable.
6. Ponds shall have sufficient capacity to accommodate allowable wastewater flow, design seasonal precipitation, ancillary inflow and infiltration during the rainy season. Design seasonal precipitation shall be based on total annual precipitation using a return period of 100 years, distributed monthly in accordance with historical rainfall patterns.
7. A surface aerobic environment shall be maintained in each basin
8. The discharge shall not cause degradation of any beneficial use of surface or ground water.
9. Septic tank cleanings shall be discharged only by a duly authorized service. All septage shall be disposed of in a manner authorized by the Regional Water Board's Executive Officer.

#### D. Provisions

1. The system shall include upgradient and downgradient monitoring wells designed and constructed in a manner which ensures detection of any constituent which may adversely impact the quality of the groundwater in the vicinity of the oxidation basins. The workplan shall include details of the number, location, construction and design specifications for this system. A description of the hydrogeological characteristics of the aquifer beneath the basins shall be included in the workplan.
2. In the case that groundwater sample analyses indicate that the concentration of any nitrate or hazardous substance including VOCs exceeds the MCL established for drinking water, the Discharger is required to resample the wastewater within 30 days of the date of the initial sample results. If the resampling results also exceed the MCLs of nitrate or any hazardous substances including VOCs, the Discharger is required to perform a subsurface investigation pursuant to section 13267 of the California Water Code to determine any impacts of the groundwater and/or soils. If a subsurface investigation is necessary, the Discharger is required to submit a workplan to perform the investigation. The workplan must be prepared by a professional engineer or geologist. The workplan shall be submitted to the Regional Water Board's Executive Officer for approval within 90 days of the dated of the resampling results.
3. The Discharger shall perform ground water monitoring as required by "Monitoring and Reporting Program R7-2013-0020 and revisions thereto, once the groundwater monitoring system described in provisions D-1 is constructed.
4. The Discharger shall comply with all Orders issued by the Regional Water Board Executive Officer.
5. Prior to any modifications in this facility which would result in material change in the quality<sup>1</sup> or quantity<sup>2</sup> of wastewater treated or discharged, or any material change in the location of discharge, the Discharger shall report all pertinent information in writing to the

Regional Water Board and obtain revised requirements before any modifications are implemented.

6. Prior to any change in ownership or management of this operation, the Discharger shall transmit a copy of this Order to the succeeding owner/operator, and forward a copy of the transmittal letter to the Regional Water Board.
7. The Discharger shall ensure that all site-operating personnel are familiar with the contents of this Order, and shall maintain a copy of this Order at the site.
8. This Order does not authorize violation of any federal, state, or local laws or regulations.
9. The Discharger shall comply with all of the conditions of this Order. Any noncompliance with this Order constitutes a violation of the Porter-Cologne Water Quality Control Act and is grounds for enforcement action.
10. This Order may be modified, revoked and reissued, or terminated for cause. The filing of a request by the Discharger for an Order modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance does not stay any Order condition. Causes for modification include the promulgation of new regulations, modification of land application plans, or modification in sludge use or disposal practices, or adoption of new regulations by the State Board or the Regional Water Board, including revisions to the Basin Plan.
11. The Discharger is the responsible party for the WDRs and the monitoring and reporting program for the facility. The Discharger shall comply with all conditions of these WDRs. Violations may result in enforcement actions, including Regional Water Board Orders or court orders, requiring corrective action or imposing civil monetary liability, or in modification or revocation of these WDRs by the Regional Water Board.
12. The Discharger shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) that are installed or used by the Discharger to achieve compliance with this Order. Proper operation and maintenance also includes adequate laboratory controls and appropriate quality assurance procedures. This provision requires the operation of backup or auxiliary facilities or similar systems which are installed by a Discharger only when necessary to achieve compliance with the conditions of this Order.
13. All maintenance performed shall be reported with the monitoring reports as required.
14. Storm water discharges from the facility shall not cause or threaten to cause pollution or contamination.
15. Storm water discharges from the facility shall not contain hazardous substances equal to or in excess of a reportable quantity listed in 40 CFR Part 117 and/or 40 CFR Part 302.
16. Adequate measures shall be taken to assure that unauthorized persons are effectively excluded from contact with the wastewater disposal facilities.

17. The Discharger's wastewater treatment plant shall be supervised and operated by persons possessing certification of appropriate grade pursuant to Section 3680, Chapter 4, Division 4, Title 23 of the California Code of Regulations.
18. Facilities shall be available to keep the plant in operation in the event of commercial power failure.
19. The Discharger shall comply with Monitoring and Reporting Program R7-2013-0020, and revisions thereto, which is incorporated by this reference and attached hereto, as specified by the Regional Water Board's Executive Officer; and shall be in accordance with the following:
  - a. Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity.
  - b. The monitoring and reporting of influent, effluent, and sludge shall be done as specified in this Order.
  - c. All monitoring, including that of sludge use or disposal, must be conducted according to test procedures approved under 40 CFR Part 136 or as specified in this Order.
  - d. 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 5 years from the date of the sample, measurement, report or application. This period may be extended by request of the Regional Water Board's Executive Officer.
  - e. Records of monitoring information shall include:
    1. The date, exact place, and time of sampling measurement(s);
    2. The individual(s) who performed the sampling or measurement(s);
    3. The date(s) analyses were performed;
    4. The individual(s) who performed the analyses;
    5. The results of such analyses.
20. The Discharger shall provide adequate notice to the Regional Water Board's Executive Officer of the following:
  - a. Any new introduction of pollutants into any of the treatment facilities described in the Findings of this Order from an indirect discharge which would be subject to Section 301 or 306 of the Clean Water Act.
  - b. Any substantial change in the volume or character of pollutants being introduced into any of the treatment facilities described in the Findings of this Order by an existing or new source.
  - c. Any planned physical alterations or additions to the facilities described in this Order, or changes planned in the Discharger's sludge use or disposal practice, where such alterations, additions, or changes may justify the application of the Order conditions

- that are different from or absent in the existing Order, including notification of additional disposal sites not reported during the Order application process, or not reported pursuant to an approved land application plan.
- d. Adequate notice shall include information on the quality and quantity of effluent introduced, and any anticipated impact of the change on the quantity or quality of the Discharger's effluent and/or sludge.
  - e. The Discharger shall report all instances of noncompliance. Reports of noncompliance shall be submitted with the Discharger's next scheduled self-monitoring report or earlier if requested by the Regional Water Board's Executive Officer, or if required by an applicable standard for sludge use and disposal.
21. The Discharger shall allow the Regional Water Board, or an authorized representative, upon presentation of credentials and other documents as may be required by law, to:
- a. Enter upon the premises regulated by this Order, or the place where records must be kept under the conditions of this Order;
  - b. Have access to and copy, at reasonable times, any records that shall be kept under the conditions of this Order;
  - c. Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this Order; and
  - d. Sample or monitor at reasonable times, for the purpose of assuring compliance with this Order or as otherwise authorized by the California Water Code, any substances or parameters at this location.
22. The Discharger shall obtain a prior written approval from the Regional Water Board's Executive Officer specifying location and method of disposal, before disposing of treated or untreated sludge, or similar solid waste materials. In addition, the Discharger shall provide the results of any sludge analyses as specified by the Regional Water Board's Executive Officer.
23. The Discharger shall maintain a permanent log of all solids hauled away from the treatment facility for use/disposal elsewhere and shall provide a monthly summary of the volume, type (screenings, grit, raw sludge, digested sludge), use (agricultural, composting, etc.), and the destination.
24. All sludge generated at the wastewater treatment plant will be disposed, treated, or applied to land in accordance with Federal Regulations 40 CFR 503.
25. Collected screenings, sludge, and other solids removed from liquid wastes shall be disposed of in a manner that is consistent with State Water Resources Control Board and Integrated Waste Management Board's joint regulations (Title 27) of the California Code of Regulations and approved by the Regional Water Board's Executive Officer.
26. The Discharger shall provide a report to the Regional Water Board when it determines that the plant is operating at 80 percent of the capacity specified in Finding No. 3 above.

The report should indicate what steps, if any, the Discharger intends to take to provide for the expected wastewater treatment capacity necessary when the plant reaches design capacity.

27. The Discharger shall inform this office by telephone of all occurrences of bypasses or spills within one business day of the occurrences. Within 5 days of the occurrences, the Discharger shall send a report to this office which shall include the starting date and time of the occurrence, the actual or estimated ending date and time, an estimate of the total discharge and the corrective measures taken (or which will be taken) by the Discharger. The Discharger shall maintain a log of this information. The said log shall be kept at the facility and shall be available during facility inspection.

I, Robert Perdue, Executive Officer, do hereby certify the foregoing is a full, true and correct copy of an Order adopted by the California Regional Water Quality Control Board, Colorado River Basin Region, on May 16, 2013.

  
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Executive Officer

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

MONITORING AND REPORTING PROGRAM R7-2013-0020  
FOR  
CALIFORNIA DEPARTMENT OF CORRECTIONS, OWNER/OPERATOR  
McCain Valley Conservation Camp  
SEPTIC TANK/OXIDATION BASIN SEWAGE 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 section 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.

#### 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. 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.

3. 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 fine and imprisonment for knowing violations.

4. 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 Water Board's Executive Officer.

5. Report immediately any failure in the waste disposal system to the Regional Water Board and the Director of the County Environmental Health Department by telephone with follow-up by letter.

6. Note any changes in the operating procedure for the season.

7. Monitoring reports shall be certified under penalty of perjury to be true and correct, and shall contain the required information at the frequency designated in this monitoring report.

8. Annual monitoring reports shall be submitted to the Regional Water Board by January 15 of each year.

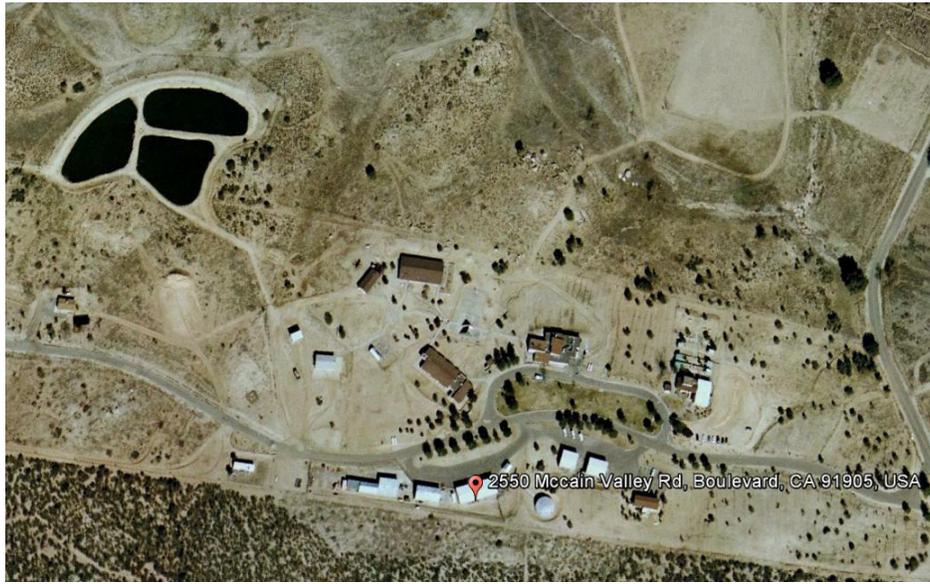
1. Submit monitoring reports to

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

Ordered by Robert C. Perdue  
 Executive Officer  
5/16/13  
 Date

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD -7

Board Order 2013-0020



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