

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

ORDER NO. R7-2006-0010

WASTE DISCHARGE REQUIREMENTS

FOR

**U. S. BUREAU OF RECLAMATION, OWNER/OPERATOR
PARKER DAM SEWAGE TREATMENT PLANT
INFILTRATION BASIN DISPOSAL FACILITIES
Parker Dam – San Bernardino County**

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

1. United States Bureau of Reclamation, P.O. Box 878, Parker Dam, California 92267, (hereinafter referred to as the Discharger), submitted an updated Report of Waste Discharge (ROWD) to the California Regional Water Quality Control Board, Colorado River Basin Region (Regional Water Board), on October 5, 2005, for its sewage treatment plant disposal facilities.
2. The discharge site is located about one mile south of Parker Dam in the NW 1/4 of Section 10, T2N, R27E, SBB&M, and about 450 feet from the Colorado River.
3. The Discharger is discharging a maximum daily flow of 10,800 gallons-per-day of wastewater consisting of 3,800 gallons-per-day of domestic sewage and about 7,000 gallons-per-day of backwash water from the local community water treatment plant into an extended aeration, activated sludge-type wastewater treatment plant that flows into one of three infiltration basins. The wastewater is from a school, a power plant, a machine shop, a sheriff's station and a post office. The wastewater plant is designed for a maximum discharge of 30,000 gallons-per-day. The effluent water quality has been very consistent over the past two years with the reported quarterly monitoring results considerably below the maximum limits as specified in this Order.
4. The Discharger removes about 500 pounds-per-year of stabilized sludge from the treatment plant for on-site disposal onto the ground next to the infiltration basins as approved by the United States Environmental Protection Agency.
5. There are no domestic wells in the vicinity of the discharge facilities described in Finding No. 3, above. Water is supplied from the Colorado River and treated by a water treatment plant. The water has a total dissolved solids (TDS) concentration of about 500 mg/L.
6. The Water Quality Control Plan for the Colorado River Basin Region of California (Basin Plan), as amended to date, designates the beneficial uses of ground and surface waters in this Region. The beneficial uses of ground water in the Colorado Hydrological Unit are municipal supply, agricultural supply, and industrial supply.
7. This discharge is currently governed by Waste Discharge Requirements in Board Order No. 91-016. This new Order updates and supersedes Order No. 91-016 to comply with the current laws and regulations as set forth in the California Water Code (CWC) and the California Code of Regulations (CCRs).

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8. In accordance with Section 15301, Chapter 3, Title 14 of the CCRs, the issuance of these Waste Discharge Requirements, 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 (CEQA) (Public Resources Code, Section 21000 et. seq).
9. The monitoring and reporting requirements in Monitoring and Reporting Program No. R7-2006-0010 are necessary to determine compliance with these Waste Discharge Requirements and to determine the facility's impacts, if any, on receiving water.
10. Federal Regulations for storm water discharges require specific categories of facilities which discharge storm water associated with industrial activity (storm water) to obtain NPDES permits and to implement Best Conventional Pollutant Technology (BCT) and Best Available Technology Economically Achievable (BAT) to reduce or eliminate industrial storm water pollution.
11. The State Water Resources Control Board (State Water Board) adopted Order No. 97-03-DWQ (General Permit No. CAS000001), specifying Waste Discharge Requirements for discharges of storm water associated with industrial activities, excluding constructing activities, and requiring submittal of a Notice of Intent by industries to be covered under the Permit.
12. There are no discharges of pollutants into navigable waters (as defined in 33 U.S.C. Section 1362) from this site. Therefore, an NPDES permit is not necessary for this facility.
13. The Regional Water Board has notified the Discharger and all known interested agencies and persons of its intent to update Waste Discharge Requirements for this discharge and has provided them with an opportunity for a public meeting and an opportunity to submit comments.
14. The Regional Water Board, in a public meeting, heard and considered all comments pertaining to this discharge.

IT IS HEREBY ORDERED, that Board Order No. 91-016 is rescinded, and in order to meet the provisions contained in Division 7 of the CWC and regulations adopted thereunder, the Discharger shall comply with the following:

A. EFFLUENT LIMITATIONS

Wastewater effluent discharged to or contained in the infiltration basins from treatment facilities shall not contain constituents in excess of the following limits:

<u>Constituent</u>	<u>Unit</u>	<u>30-Day Arithmetic Mean Discharge Rate¹</u>	<u>7-Day Arithmetic Mean Discharge Rate²</u>
20 ⁰ C BOD ₅ ³	mg/L ⁴	30	45
Total Suspended Solids	mg/L	30	45

¹ 30-Day Mean – The arithmetic mean of pollutant parameter values of samples collected in a calendar month as specified in the Monitoring and Reporting Program

² 7-Day Mean – The arithmetic mean of pollutant parameter values collected in a calendar week (Sunday – Saturday) as specified in the Monitoring and Reporting Program

³ BOD₅ – Biochemical Oxygen Demand

⁴ mg/L – milligrams per Liter

B. SPECIFICATIONS

1. The treatment or disposal of wastes at this facility shall not cause pollution or nuisance as defined in Sections 13050 (l) and 13050 (m) of Division 7 of the CWC.
2. No wastewater other than domestic wastewater shall be discharged into the sewage treatment and disposal system described in Finding No. 3, (above).
3. A minimum depth of freeboard of two (2) feet shall be maintained at all times in the infiltration basins.
4. The effluent discharge values for pH shall not be below 6.0 or above 9.0.
5. Public contact with un-disinfected wastewater shall be precluded through such means as fences, signs, or other acceptable alternatives.
6. 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.
7. A surface aerobic environment shall be maintained in each basin.
8. The increase in concentration of total dissolved solids (TDS) in the wastewater discharged to the infiltration basins over that contained in the water supply to the community shall not exceed 400 mg/L. If the TDS is exceeded, the Discharger shall develop and implement appropriate mitigation measures, which are acceptable to the Regional Water Board's Executive Officer.
9. The maximum daily flow to the wastewater treatment plant shall not exceed 30,000 gallons-per-day.

C. PROHIBITIONS

1. The discharge of waste to land not owned or controlled by the Discharger is prohibited.
2. There shall be no discharge, bypass, or flow of treated or untreated wastewater to surface waters.
3. The direct discharge of any wastewater from the facility to any surface waters or surface drainage courses is prohibited.
4. Bypass, overflow, or discharge of untreated or partially treated waste is prohibited.
5. The Discharger shall not accept waste in excess of the design treatment capacity of the disposal system.
6. The discharge shall not cause degradation of any water supply.

D. PROVISIONS

1. Facilities shall be available to keep the plant in operation in the event of commercial power failure.
2. The Discharger shall comply with "Monitoring and Reporting Program No. R7-2006-0010, and future revisions thereto, as specified by the Regional Water Board's Executive Officer.

3. The sewage treatment plant shall be supervised and operated by persons possessing certification of appropriate grade pursuant to Section 3680, Chapter 26, Division 3, Title 23 of the CCRs. The Discharger shall ensure that all operating personnel are familiar with the contents of this Board Order.
4. Prior to any modifications in this facility, which would result in material change in the quality or quantity 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.
5. Prior to any change in ownership or management of this sewage treatment plant, the Discharger shall transmit a copy of this Board Order to the succeeding owner/operator, and forward a copy of the transmittal letter to the Regional Water Board.
6. This Board Order does not authorize violation of any federal, state, or local laws or regulations.
7. 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 Board Order, or the place where records must be kept under the conditions of this Board Order;
 - b. Have access to and copy, at reasonable times, any records that shall be kept under the conditions of this Board Order;
 - c. Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this Board Order; and
 - d. Sample or monitor at reasonable times, for the purpose of assuring compliance with this Board Order or as otherwise authorized by the CWC, any substances or parameters at this location.
8. The Discharger shall comply with all of the conditions of this Board Order. Any noncompliance with this Board Order constitutes a violation of the Porter-Cologne Water Quality Control Act and is grounds for enforcement action.
9. The Discharger shall at all times properly operate and maintain all systems and components of collection, treatment and control that are installed or used by the discharger to achieve compliance with the conditions of this Board Order. Proper operation and maintenance includes effective performance, adequate process controls and appropriate quality assurance procedures. This provision requires the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of this Board Order. All systems both in service and reserved, shall be inspected and maintained on a regular basis. Records shall be kept of the inspection results and maintenance performed and made available to the Regional Board upon demand.

10. The Discharger shall comply with the following:
 - a. Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity.
 - b. 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 Board Order, and records of all data used to complete the application for this Board Order, for a period of at least 5 years from the date of the sample, measurement and/or report of application.
 - c. Records of monitoring information shall include:
 1. The date, exact place, and time of sampling or measurements;
 2. The individual(s) who performed the sampling or measurements;
 3. The date(s) analyses were performed;
 4. The individual(s) who performed the analyses;
 5. The analytical techniques or methods used; and
 6. The results of such analyses.
11. All maintenance performed shall be reported in the monitoring reports as required.
12. The Discharger shall furnish, under penalty of perjury, technical monitoring program reports, and such reports shall be submitted in accordance with the specifications prepared by the Regional Water Board's Executive Officer. Such specifications are subject to periodic revisions as may be warranted.
13. Ponds shall have sufficient capacity to accommodate allowable wastewater flow and design seasonal precipitation. 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.
14. Unless otherwise approved by the Regional Water Board's Executive Officer, all analyses shall be conducted at a laboratory certified for such analyses by the State Department of Health Services. All analyses shall be conducted in accordance with the latest edition of "Guidelines Establishing Test Procedures for Analysis of Pollutants", promulgated by the United States Environmental Protection Agency.
15. The Discharger shall provide an inventory of any hazardous materials that will be handled at the facility by January 15, 2007.
16. The Discharger is the responsible party for the Waste Discharge Requirements and the Monitoring and Reporting program for the facility. The Discharger shall comply with all conditions of these Waste Discharge Requirements. Violations may result in enforcement actions, including Regional Board Orders or court orders, requiring corrective action or imposing civil monetary liability, or in modification or revocation of these waste discharge requirements by the Regional Water Board.
17. The Discharger shall provide a report to the Regional Water Board when it determines that the treatment plant's average dry weather flow rate for any month exceeds 80 percent of the design 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 when the plant reaches design capacity.

18. The treatment and disposal system of this plant shall be readily accessible for sampling and inspection.
19. The Discharger shall retain records of all monitoring information including all calibration and maintenance records, copies of all reports required by this Board Order, and records of all data used to complete the application for this Board Order. Records shall be maintained for a minimum of three years from the date of the sample, measurement, or report. This period may be extended during the course of any unresolved litigation regarding this discharge or when requested by the Regional Water Board's Executive Officer.
20. The discharge shall not cause degradation of any beneficial use of surface or ground water.
21. In the event that there are storm water discharges associated with industrial activities, the Discharger shall submit a Notice of Intent and/or maintain coverage under the General Storm Water Permit.
22. 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 the Board Order from an indirect discharger which would be subject to Section 301 or 306 of the Clean Water Act, if it were directly discharging the pollutants.
 - 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 Board Order by an existing or new source.
 - c. Any planned physical alterations or additions to the facilities described in this Board Order, or changes planned in the Discharger's sludge use or disposal practice, where such alterations, additions, or changes may justify the application of Board Order conditions that are different from or absent in the existing Board Order, including notification of additional disposal sites not reported during the Board Order application process, or not reported pursuant to an approved land application plan.
23. 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.
24. The Discharger shall provide a plan as to the method, treatment, handling and disposal of sludge that is consistent with all State and Federal laws and regulations and obtain prior written approval from the Regional Water Board specifying location and method of disposal, before disposing of treated or untreated sludge, or similar solid waste materials using a method not described in Finding No. 4.
25. The Discharger shall maintain a permanent log of all solids hauled away from the treatment facility for use/disposal elsewhere and shall provide a summary of the volume, type (screenings, grit, raw sludge, digested sludge), use (agricultural, composting, etc.), and the destination in accordance with the Monitoring and Reporting Program of this Order. The sludge that is stockpiled at the treatment facility shall be sampled and analyzed for those constituents listed in the sludge monitoring section of the Monitoring and Reporting Program of this Board Order and as required by Title 40, Code of Federal Regulations, Part 503. The results of the analyses should be submitted to the Regional Water Board as part of the Monitoring and Reporting Program.

26. The Discharger shall report any noncompliance that may endanger human health or the environment. The Discharger shall immediately report orally information of the noncompliance to the Regional Water Board office and the Office of Emergency Services as soon as: (1) the Discharger has knowledge of the discharge; (2) notification is possible; and (3) notification can be provided without substantially impeding cleanup or other emergency measures. During non-business hours, the Discharger shall leave a message on the Regional Water Board office voice recorder. A written report shall also be provided within five business days of the time the Discharger becomes aware of the incident. The written report shall contain a description of the noncompliance and its cause, the period of noncompliance, the anticipated time to achieve full compliance, and the steps taken or planned, to reduce, eliminate, and prevent recurrence of the noncompliance. The Discharger shall report all intentional or unintentional sewage spills in excess of one thousand (1,000) gallons occurring within the facility or collection system to the Regional Water Board office in accordance with the above time limits.
27. This Board Order may be modified, revoked and reissued, or terminated for cause. The filing of a request by the Discharger for a Board Order modification, revocation and re-issuance, or termination, or a notification of planned changes or anticipated noncompliance does not stay any Board 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 Water Board or the Regional Water Board, including revisions to the Basin Plan.
28. This Board Order does not convey any property rights of any sort or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations.

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 March 23, 2006.

ROBERT PERDUE
Executive Officer

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