

**STATE OF CALIFORNIA
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
CENTRAL COAST REGION
895 Aerovista Place, Suite 101
San Luis Obispo, California 93401**

WASTE DISCHARGE REQUIREMENTS ORDER NO. R3-2004-054

Waste Discharger Identification No. 3 270302001
Proposed for Consideration at the May 14, 2004 Meeting

For

**MONTEREY COUNTY PARKS DEPARTMENT
LAKE SAN ANTONIO RECREATION AREA
NORTH SHORE WASTEWATER FACILITIES
MONTEREY COUNTY**

The California Regional Water Quality Control Board, Central Coast Region (Board), finds:

SITE OWNER AND LOCATION

1. The Monterey County Parks Department (hereafter "Discharger") owns and operates the Lake San Antonio Recreation Area North Shore Wastewater Facilities (hereafter "Facility").
2. The Facility is located on property in Monterey County owned by the Monterey County Flood Control and Water Conservation District and located in the Section 2, T24S, R9E, MD B&M, as shown on Attachment "A" of this Order.

PURPOSE OF ORDER

3. In compliance with Provision D.7 of Order No. 01-132, On December 5, 2003, the Discharger submitted an engineering report to the Executive Officer that evaluated the wastewater system's capacity and made recommendations to improve wastewater treatment and monitoring. Based on that engineering report, the discharger proposes to make wastewater system modifications to improve treatment and increase capacity. These waste discharge requirements increase flow limits for the modified wastewater system.

SITE/FACILITY DESCRIPTION

Discharge Type

4. The Facility collects, treats, and disposes of sanitary wastewater, see Attachment "B."
5. Treatment facilities consist of an Imhoff Tank, a mechanically aerated oxidation pond, another oxidation pond, and one biosolids pond.
6. Wastewater disposal occurs through a percolation pond.

Design and Current Capacity

7. Capacity of the system is estimated at 60,000 gallons per day (gpd) on a 30-day average dry weather flow basis.

Geology

8. The wastewater facilities are located on gently rolling topography consisting of sedimentary water-bearing soils to an intermediate depth.
9. Water for domestic use is obtained from water wells located over one mile away from the wastewater facilities.

Surface and Groundwater

10. The San Antonio Reservoir is located southwest of the wastewater facility and flows in a southeasterly direction to the Salinas River.

11. According to the Monterey County 21st century General Plan for the South County area, there is generally very good water quality surface water draining from the Santa Lucia Range into the San Antonio River and, eventually, into the San Antonio Reservoir. Ground water wells supply water from Lake San Antonio reservoir underflow.
12. Significant volumes of groundwater are not expected beneath the wastewater facility. Any ground water beneath the wastewater facility likely flows through the underlying soils and into the San Antonio Reservoir.
13. The Basin Plan lists the following as beneficial uses of San Antonio Reservoir:
 - a) Municipal & Domestic Water Supply
 - b) Agricultural Water Supply
 - c) Ground Water Recharge
 - d) Freshwater Replenishment
 - e) Navigation
 - f) Hydropower Generation
 - g) Water Contact Recreation
 - h) Non-Contact Water Recreation
 - i) Commercial and Sport Fishing
 - j) Warm Fresh Water Habitat
 - k) Cold Fresh Water Habitat
 - l) Wildlife Habitat
 - m) Rare, Threatened, or Endangered Species
 - n) Spawning, Reproduction, and/or Early Development.
14. Present and anticipated beneficial uses of groundwater near the discharge include:
 - a) Municipal & Domestic Water Supply
 - b) Agricultural Water Supply
 - c) Industrial Process Supply and
 - d) Industrial Service Supply.

CHANGES TO ORDER

15. This Order is essentially identical to the Discharger's previous waste discharge requirements except that the flow limit has been increased from 30,000 gpd to 60,000 gpd. The wastewater plant will be modified to adequately process 60,000 gpd. This is an Order to allow discharge from the modified WWTP. We have a history of adopting WDRs for facilities that are not constructed at the time of adoption. The discharger is aware that he may not discharge at 60k gpl until modifications are done.

MONITORING PROGRAM

15. Monitoring and Reporting Program (MRP) No. R3-2004-054 is a part of the proposed Order. The MRP requires routine water supply and effluent monitoring to verify compliance and protect groundwater quality.

BASIN PLAN

16. The Water Quality Control Plan, Central Coast Basin (Basin Plan) was adopted by the Regional Board on November 19, 1989, and approved by the State Board on August 16, 1990. The Regional Board approved amendments to the Basin Plan on February 11, 1994, and September 8, 1994. The Basin Plan incorporates statewide plans and policies by reference and contains a strategy for protecting beneficial uses of State waters.

ENVIRONMENTAL SUMMARY

17. These waste discharge requirements are for an existing facility and are exempt from the provisions of the California Environmental Quality Act (Public Resources Code, Section 21000, et. seq.) in accordance with Section 15301, Article 19, Chapter 3, Division 6, Title 14 of the California Code of Regulations.

EXISTING ORDERS/GENERAL FINDINGS

18. The discharge has been regulated by Waste Discharge Requirements Order No. 01-132, adopted by the Board on December 07, 2001. The Board has regulated this discharge since 1965.
19. Discharge of waste is a privilege, not a right, and authorization to discharge is conditional upon the discharge complying with provisions of Division 7 of the California Water Code and any more stringent effluent limitations necessary to implement water quality control plans, to protect beneficial uses, and to prevent nuisance. Compliance with this Order should assume this and mitigate any potential adverse changes in water quality due to discharge.

20. On March 1, 2004, the Board notified the Discharger and interested agencies and person of its intent to issue waste discharge requirements for the discharge and has provided them with a copy of the proposed Order and an opportunity to submit written views and comments.
21. After considering all comments pertaining to this discharge during a public hearing on May 14, 2004, this Order was found consistent with the above findings.

IT IS HEREBY ORDERED, pursuant to authority in Section 13263 and 13267 of the California Water Code, that the Monterey County Parks Department, its agents, successors, and assigns may discharge wastes from the Lake San Antonio Recreation Area's North Shore Wastewater Facility, providing compliance is maintained with the following:

Notes:

- ◆ Other prohibitions and conditions, definitions, and the method of determining compliance are contained in the attached "Standard Provisions and Reporting Requirements for Waste Discharge Requirements" dated January 1984.
- ◆ Throughout these requirements footnotes are listed to indicate the source of requirements specified. Requirement footnotes may be one of the following:
 - ^{BP} Basin Plan
 - ^{ROWD} Report of Waste Discharge
 - ^{CWC} California Water Code
 - ^{BPJ} Best Professional Judgment
 - ^{Design} Discharger's original design
- ◆ All technical and monitoring reports submitted pursuant to this Order are required pursuant to Section 13267 of the California Water Code. Failure to submit reports in accordance with schedules established by this Order, attachments to this Order, or failure to submit a report of sufficient technical quality to be acceptable to the Executive Officer, may subject the Discharger to enforcement action pursuant to Section 13268 of the California Water Code.

A. PROHIBITIONS

1. Discharge of treated wastewater to areas other than the designated disposal area, as shown on Attachment "B" is prohibited.^{ROWD}
2. Discharge of any wastes, including overflow, bypass, seepage, and overspray; from transport, treatment, storage; or from disposal systems to adjacent drainageways or adjacent properties is prohibited.^{CWC}
3. Bypass of the treatment facility and discharge of untreated or partially treated wastes directly to the designated disposal area is prohibited.^{ROWD}
4. Discharges not specifically regulated by this Order are prohibited.^{BPJ}
5. Discharge of uncontaminated storm waters to the wastewater system, except storm waters dropping directly into the treatment facilities, is prohibited.^{BPJ}
6. Creation of a condition of pollution, contamination, or nuisance, as defined by Section 13050 of the California Water Code (CWC), is prohibited.^{CWC}
7. The discharge of radioactive substances is prohibited.^{BP}

B. DISCHARGE SPECIFICATIONS

General

1. Extraneous surface drainage shall be excluded from all wastewater treatment and disposal facilities.^{BPJ}
2. The Discharger shall maintain all devices or designed features installed in accordance with this Order such that they continue to operate as intended without interruption.^{BPJ}

Treatment System

3. The wastewater ponds shall have a minimum freeboard of two feet at all times.^{BPJ}

- Influent flow shall not exceed a 30-day average dry weather flow of 60,000 gallons per day.^{Design}

Effluent

- Effluent wastewater discharged to the disposal ponds shall not have a pH less than 6.5 or greater than 8.4.^{BP}
- Effluent settleable solids concentration shall not exceed a daily maximum value of 0.5 ml/L.^{BPJ}
- Effluent total dissolved solids concentration shall not exceed a daily maximum value of 1000 mg/L.^{BPJ}

Disposal

- Wastewater shall remain within the designated disposal ponds and shall remain underground at all times.^{ROWD}
- Effluent shall not be discharged within 100 feet of water supply wells.^{BPJ}

C. GROUNDWATER LIMITATIONS

- The discharge shall not cause a significant increase of mineral constituent concentrations in underlying groundwaters.^{BP}
- The discharge shall not cause concentrations of chemicals and radionuclides in groundwater to exceed limits set forth in Title 22, Chapter 15, Articles 4 and 5 of the California Code of Regulations.^{BP}

D. PROVISIONS

- The requirements prescribed by this Order supersede requirements prescribed by Order No. 01-132, which was adopted by this Board on December 7, 2001. Order No. 01-132 is hereby rescinded.
- Discharger shall comply with Monitoring and Reporting Program No. R3-2004-054, as specified by the Executive Officer.

- The wastewater treatment facilities shall be operated by qualified (State-certified) personnel according to the requirements specified in Section 13627 of the California Water Code.
- The public shall be excluded from wastewater treatment and disposal areas.
- Discharger shall comply with all relevant sections of the attached "Standard Provisions and Reporting Requirements for Waste Discharge Requirements" dated January 1984.
- Pursuant to Title 23, Division 3, Subchapter 9, of the California Code of Regulations, the Discharger must submit a written report to the Executive Officer not later than June 7, 2016, addressing:^{APM}
 - Whether there will be changes in the continuity, character, location, or volume of the discharge; and,
 - Whether, in its opinion, there is any portion of the Order that is incorrect, obsolete, or otherwise in need of revision.

I, Roger W. Briggs, 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, Central Coast Region, on May 14, 2004.

Roger W. Briggs, Executive Officer

TJK

Task:121-01

S:\WDR\WDR Facilities\Monterey Co\Monterey Co. Parks, San Antonio Lake North\Revision 2004\2004 WDRs.doc

File: Monterey County Parks Department, Lake San Antonio Recreation Area North