

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

ORDER NO. 93-122

WASTE DISCHARGE REQUIREMENTS
FOR
COLLEGE OF THE DESERT
COOLING TOWER BLOWDOWN
WASTEWATER DISPOSAL FACILITIES
Palm Desert - Riverside County

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

1. College of the Desert (hereinafter referred to as the discharger), 43-500 Monterey Avenue, Palm Desert, CA 92260 submitted a Report of Waste Discharge dated June 22, 1993.
2. The discharger proposes to increase the discharge of cooling tower blowdown wastewater from a maximum of 5,000 gallons-per-day (gpd) to 8,000 gpd by installing two conductivity controllers. The controllers are used to prevent the total dissolved solids (TDS) concentration of the cooling tower water from exceeding 750 mg/L, which would reduce the cycles of recirculation in the catch basin, resulting in the proposed increase in the discharge. The increased flow would be discharged into two 6,500 gallon storage tanks that would be pumped into the existing campus golf driving range irrigation system. The facility remains substantially the same, and is located in the SE $\frac{1}{4}$, SW $\frac{1}{4}$ of Section 17, T5S, R6E, SBB&M.
3. The discharger uses a combination of a phosphonate/azole/polymer mixture and Halogenated Hydantoin as biological growth and corrosion inhibitors at very low dosage rates. Recent laboratory analyses of wastewater samples revealed the following results: Total Dissolved Solids at 635 mg/L, Chromium at 29 μ g/L, total Phosphorus at 1.9 mg/L.
4. The discharge from this cooling tower facility has been subject to waste discharge requirements adopted in Board Order No. 89-064.
5. The discharger utilizes domestic water in the cooling tower from two wells on campus, which are more than two hundred feet from the irrigation disposal areas. The total dissolved solids concentration of the water from these wells is about 420 mg/L, and depth-to-ground water is approximately 165 feet in the local area.
6. The site is relatively flat on a sandy alluvial floodplain, and is situated about eight (8) miles southwest of the nearest portion of the San Andreas Fault Zone. Annual precipitation is less than 5 inches-per-year.
7. The Water Quality Control Plan for the Colorado River Basin Region of California (Basin Plan) was adopted on May 15, 1991, and designates the beneficial uses of ground and surface waters in this Region.

SUPERSEDED BY
BOARD ORDER NO. RT-2003-0125
11/09/03

8. The beneficial uses of ground waters in the Coachella Hydrologic Subunit are:
 - a. Municipal supply (MUN)
 - b. Industrial supply (IND)
 - c. Agricultural supply (AGR)
9. The Board has notified the discharger and all known interested agencies and persons of its intent to update waste discharge requirements for this discharge.
10. The Board in a public meeting heard and considered all comments pertaining to this discharge.
11. In accordance with Section 15301, Chapter 3, Title 14 of the California Code of Regulations, 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 Act (Public Resources Code, Section 21000 et seq.).

IT IS HEREBY ORDERED, that Board Order No. 89-064 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. Discharge Prohibitions

1. The discharge of wastes to surface waters or surface water drainage courses is prohibited.
2. The discharge or deposit of hazardous or designated wastes (as defined in Chapter 15, Title 23, California Code of Regulations) at this facility is prohibited.
3. The discharge of waste containing any carcinogen or reproductive toxins listed by the Governor pursuant to Health and Safety Code Section 25249.5 through 25249.13, also known as the Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65), where such chemical passes, or probably will pass into any source of drinking water, is prohibited.

B. Discharge Specifications

1. The treatment or disposal of wastes at this facility shall not cause pollution or nuisance as defined in Sections 13050(1) and 13050(m) of Division 7 of the California Water Code.
2. No wastewater other than cooling tower wastewater shall be discharged into the disposal system described in Finding No. 2, above.
3. 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.
4. The discharge shall not cause degradation of any water supply.

5. The discharge of cooling tower wastewater shall not exceed 8,000 gallons-per-day (gpd).
6. There shall be no surface flow of wastewater away from the discharge area.
7. Wastewater shall be discharged only into the disposal system described in Finding No. 2, above.
8. Wastewater which has a total dissolved solids (TDS) concentration greater than 820 mg/L shall be discharged only to an appropriate waste management facility as approved by the Regional Board's Executive Officer.
9. The regulated disposal system shall be readily accessible for sampling and inspections.
10. No part of the disposal system shall be closer than 150 feet to any water well or closer than 100 feet to any stream, channel or watercourse.

C. Provisions

1. Prior to any changes in ownership or management of this operation, 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 Board.
2. 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 Board; and obtain revised requirements before any modifications are implemented.
3. The discharger shall comply with "Monitoring and Reporting Program No. 93-122", and future revisions thereto, as specified by the Regional Board's Executive Officer.
4. The discharger may be required to submit technical reports as directed by the Regional Board's Executive Officer.
5. The discharger must comply with all conditions of this Board Order, including timely submittal of technical and monitoring reports as directed by the Regional Board's Executive Officer. Violations may result in enforcement action, including Regional Board or court orders requiring corrective action or imposing civil monetary liability, or revision or rescission of this Board Order.
6. The discharger shall ensure that all site-operating personnel are familiar with the content of this Board Order.
7. The Board will review this Board Order periodically and may revise requirements when necessary.
8. The discharger shall allow the Regional Board's Executive Officer, or his/her authorized representative, upon the presentation of credentials and other documents as may be required by law, to:

- a. Enter upon the discharger's premises where a regulated facility or activity is located or conducted, or facilities where records must be kept under the conditions of this Board Order.
 - b. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this Board Order. Inspect and sample or monitor, at reasonable times, any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this Board Order.
9. The discharger shall allow the Regional Board's Executive Officer, or his/her authorized representative, to sample or monitor the wastewater for the purpose of determining compliance with this Board Order and other applicable requirements.
 10. The Regional Board shall be notified immediately of any failure of the wastewater disposal facilities. Such failure shall be promptly corrected in accordance with the requirements of this Board Order.
 11. The discharger shall maintain legible records on the volume and type of wastewater discharged at this facility.
 12. This Board Order does not authorize violation of any federal, state, or local laws or regulations.
 13. The discharger shall, at all times, properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the discharger to achieve compliance with conditions of this Board Order.
 14. The discharger shall provide an inventory of all hazardous materials which may be handled at the facility.
 15. Unless otherwise approved by the Regional 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 of Analysis for Pollutants", promulgated by the U.S. Environmental Protection Agency.
 16. 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 five 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 by the request of the Regional Board's Executive Officer.
 17. All maintenance performed will be reported with the monitoring reports as required.

I, Philip A. Gruenberg, 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 November 17, 1993.


Executive Officer

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

MONITORING AND REPORTING PROGRAM NO. 93-122
FOR

COLLEGE OF THE DESERT
COOLING TOWER BLOWDOWN
WASTEWATER DISPOSAL FACILITIES
Palm Desert - Riverside County

Location of Discharge: SE¼, SW¼ of Section 17, T5S, R6E, SBB&M

MONITORING

- A. The discharger shall submit a quarterly status report on the following:
1. Estimate of the maximum daily flow of wastewater discharged to the campus irrigation system for the golf driving range.
 2. List any proposed changes in the disposal facilities during the coming year.
 3. Report any failures in the system during the past quarter.
 4. Report all maintenance work performed during the past quarter.
- B. The disposal system wastewater shall be sampled quarterly during March, June, September and December. The samples shall be analyzed for the following:

<u>Parameters Constituents</u>	<u>Units</u>	<u>Type of Sample</u>	<u>Reporting Frequency</u>
Total Dissolved Solids	mg/L ¹	Grab	Quarterly
Total Phosphate	mg/L	Grab	Quarterly
Total Chromium	mg/L	Grab	Quarterly
Total Flow	Avg. GPD ²	Water Meter Reading	Quarterly

¹ mg/L = Milligrams per Liter

² Avg. GPD = Average Gallons-per-Day

- C. Water from the supply wells shall be monitored for total dissolved solids concentration (in mg/L) annually.

The collection, preservation and holding times of all samples shall be in accordance with U.S. Environmental Protection Agency (USEPA) approved procedures.

REPORTING

1. 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 by January 15 of each year.
2. 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 waste discharge facilities are operating in compliance with the waste discharge requirements.
3. Records of monitoring information shall include:
 - a. The date, exact place, and time of sampling or measurement;
 - b. The individual(s) who performed the sampling or measurements;
 - 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.
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 specifies 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.
5. Each report shall contain the following completed certification:

"I certify under penalty of law that I have personally examined and I am familiar with the information submitted in this document and all attachments 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".

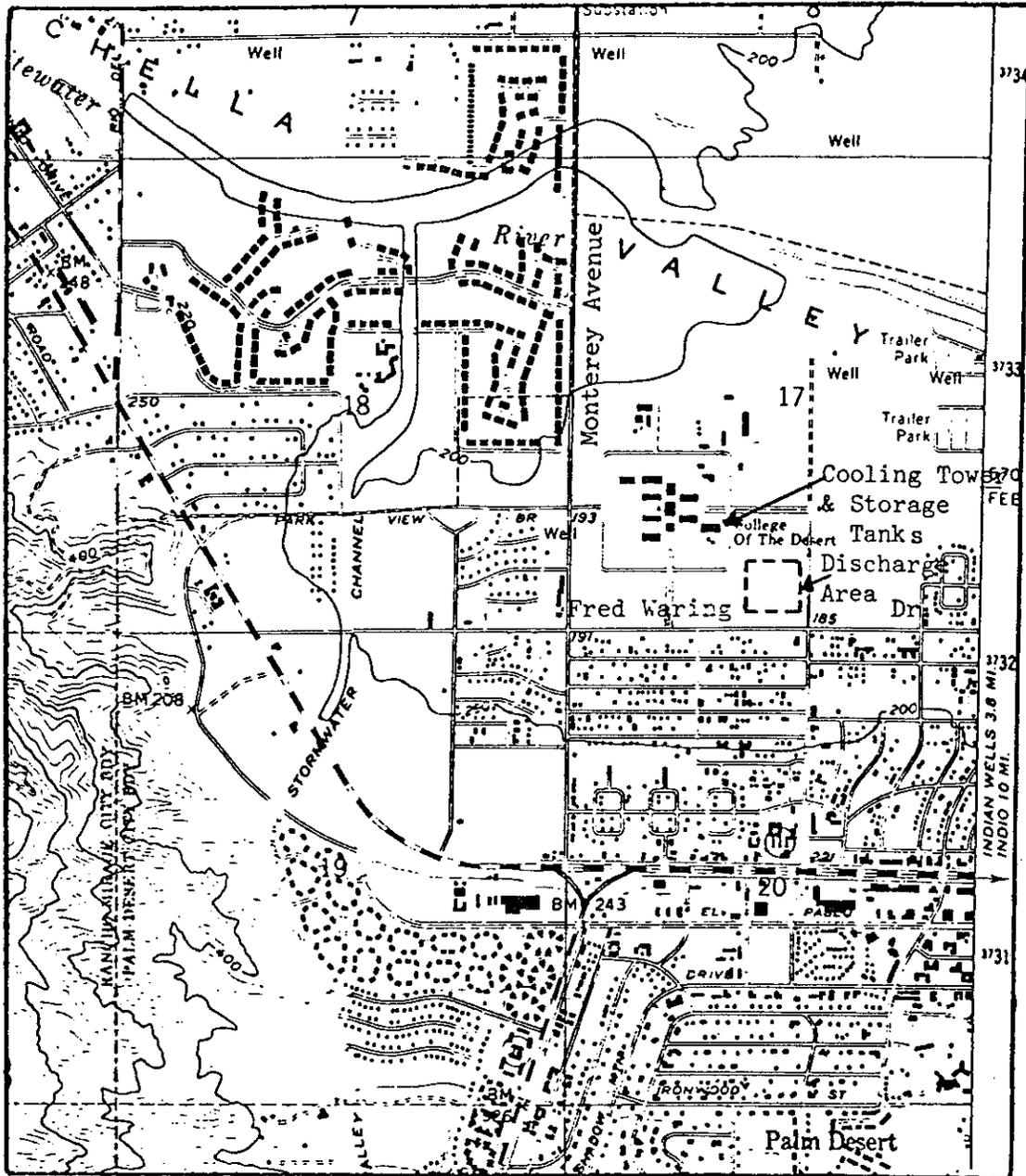
6. Submit monitoring reports to:

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

ORDERED BY: *Philip A. Greenberg*
Executive Officer
NOV 17 1993

Date

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD - 7



SITE MAP

COLLEGE OF THE DESERT
 COOLING TOWER BLOWDOWN
 WASTEWATER DISPOSAL FACILITIES
 Palm Desert - Riverside County
 SE $\frac{1}{4}$, SW $\frac{1}{4}$ of Section 17, T5S, R6E, SBB&M
 USGS Rancho Mirage 7.5 Min. Topographic Map

Board Order No. 93-122