

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

ORDER NO. 89-064

WASTE DISCHARGE REQUIREMENTS
FOR
COLLEGE OF THE DESERT
COOLING TOWER BLOWDOWN
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, verified via the director of operations and maintenance on June 27, 1989 that the below updated information is accurate.
2. The discharger is discharging a maximum of 5,000 gallons-per-day of cooling tower blowdown wastewater into a leach field on site. The wastewater is discharged after the tower recirculates the water which flows to and from the cooling systems of the main buildings on campus. The discharge facilities are located in the SE $\frac{1}{4}$ of the SW $\frac{1}{4}$ of Section 17, T5S, R6E, SBB&M.
3. The discharger uses Mongul WS-194 as a biological growth and corrosion inhibitor at a dosage rate of 75 to 100 ppm. This inhibitor consists of small amounts (all 1 percent to 5 percent) of polyacrylic acid, sodium hydroxide, aminotrimethylene phosphoric acid, tolytriazole, and sulfonated polystyrene and larger amounts of phosphates (85 percent). These chemicals do not constitute a threat to water quality in the amounts used. Small dosages of chlorine and sulfuric acid are also added.
4. The discharger has sufficient area available for possible future 100 percent replacement of the leach field.
5. The discharger utilizes domestic water in the cooling tower from two wells on campus which are more than two hundred feet from the leach field. The total dissolved solids concentration of the supply water from these wells is about 420 mg/l.
6. The discharge has been subject to waste discharge requirements contained in Board Order No. 86-76. The requirements are being updated to comply with Section 13263 of the California Water Code.
7. The Water Quality Control Plan (Basin Plan) for the Colorado River Basin Region of California was adopted by the Regional Board on November 14, 1984.

*Superseded
by: Bd. Ord.
No. 93-122
11/17/93*

8. The Basin Plan delineates the location of discharge to be in the Coachella Hydrologic Subunit, which has the following beneficial uses of ground water:
 - a. Municipal supply
 - b. Industrial supply
 - c. Agricultural supply
9. The Board has notified the discharger and interested agencies and persons of its intent to update waste discharge requirements for the discharge.
10. The Board in a public meeting heard and considered all comments pertaining to the 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 Quality Act (Public Resources Code, Section 21000, et seq.).

IT IS HEREBY ORDERED, the discharger shall comply with the following:

A. Specifications

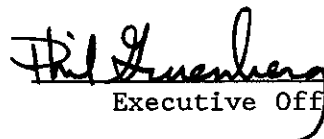
1. Neither the treatment nor the discharge of wastewater shall create a pollution or a nuisance as defined in Division 7 of the California Water Code.
2. No wastewater other than that described in Finding No. 2, above, shall be discharged at this location.
3. Wastewater discharged subsurface shall be retained underground with no surfacing.
4. There shall be no chemicals other than those set forth in Finding No. 3 added to the designated cooling tower water system.
5. The wastewater shall not be discharged subsurface unless the total dissolved solids concentration in the discharged wastewater is less than 1,500 mg/l.
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.

B. Provisions

1. The discharger shall comply with the attached "Monitoring and Reporting Program No. 89-064", and future revisions thereto, as specified by the Executive Officer.
2. Prior to any modifications in this cooling system, or any material change in location of discharge, the discharger shall report in writing to the Regional Board.
3. Prior to any proposed change in operation, or in control or ownership of the land upon which the discharge facilities are located, the discharger shall report in writing to the Regional Board.
4. Any change in corrosion control or biological control treatment(s) utilized in the cooling tower shall be reported to the Board including a listing of any of EPA's 126 priority pollutants contained in said treatment(s).

IT IS FURTHER ORDERED that Board Order No. 86-76 be superseded by this Order.

I, Phil 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 September 20, 1989.


Executive Officer

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

MONITORING AND REPORTING PROGRAM NO. 89-064

FOR

COLLEGE OF THE DESERT
COOLING TOWER BLOWDOWN

Palm Desert - Riverside County

Location of Discharge: Portion of the SE $\frac{1}{4}$, of the SW $\frac{1}{4}$ of Section 17, T5S, R6E, SBB&M

EFFLUENT MONITORING

Cooling tower blowdown wastewater discharged subsurface shall be monitored for the following constituents:

<u>Constituents</u>	<u>Unit</u>	<u>Type of Sample</u>	<u>Sampling Frequency</u>
Total Dissolved Solids	mg/l	Grab ¹	Quarterly
Total Phosphate	mg/l	Grab ¹	Quarterly

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


REPORTING

Quarterly monitoring reports shall be submitted to the Regional Board by January 15, April 15, July 15 and October 15 of each year. Annual reports shall be submitted by January 15 of each year.

Mail reports to:

California Regional Water Quality Control Board
Colorado River Basin Region
73-271 Highway 111, Suite 21
Palm Desert, CA 92260

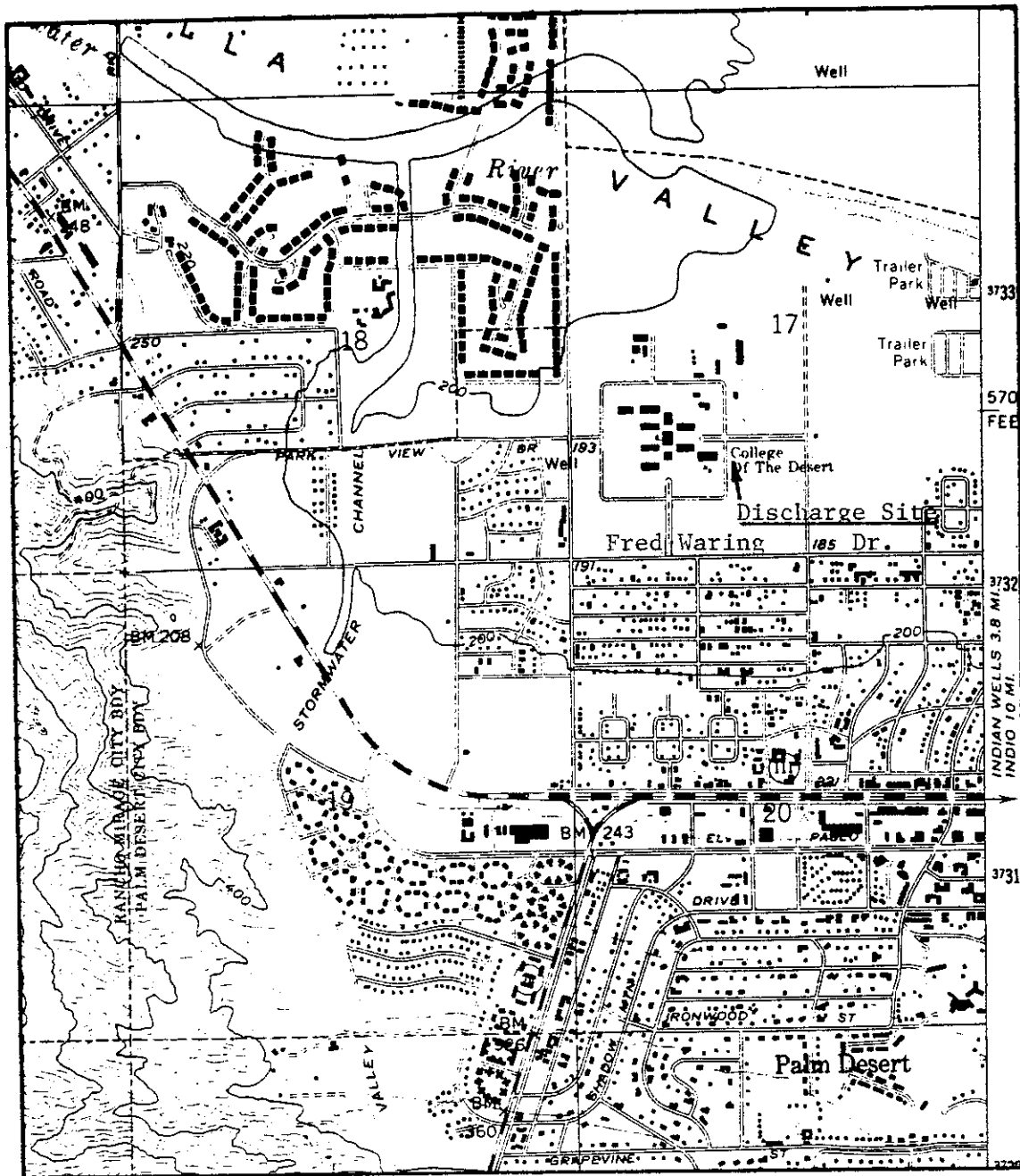
ORDERED BY:


Executive Officer

September 20, 1989

Date

¹Samples shall be taken from the cooling tower catch basin.



SITE MAP

COLLEGE OF THE DESERT
 COOLING TOWER BLOWDOWN
 Palm Desert - Riverside County
 SE 1/4, SW 1/4 of Sec. 17, T5S, R6E, SBB&M
 USGS Rancho Mirage 7.5 min. Topographic Map

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