

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

ORDER NO. 86-21

**WASTE DISCHARGE REQUIREMENTS
FOR
DESERT WATER AGENCY
WASTEWATER RECLAMATION FACILITY
Palm Springs - Riverside County**

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

1. Desert Water Agency, P.O. Drawer 1707, Palm Springs, California, 92236, (hereinafter also referred to as the discharger), submitted a Report of Waste Discharge, dated August 26, 1985, for a proposed wastewater reclamation facility with beneficial reuse of wastewater for golf course and park irrigation.

2. The proposed location of the wastewater reclamation plant is in the S $\frac{1}{2}$, SW $\frac{1}{4}$, Section 20, T4S, R5E, SBB&M. The initial proposed areas to be irrigated are:

Mesquite Country Club	N $\frac{1}{2}$, Section 24, T4S, R4E, SBB&M
Palm Springs Municipal Golf Course	N $\frac{1}{2}$, Section 29, T4S, R5E, SBB&M
Demuth Park	S $\frac{1}{2}$, Section 19, T4S, R5E, SBB&M
Fairchild's Bel Air Greens	E $\frac{1}{2}$, Section 24, T4S, R4E, SBB&M

3. The maximum irrigation design flow would be 5.0 mgd, the average design flow would be 3.2 mgd.

4. Desert Water Agency has signed a wastewater reclamation agreement with the City of Palm Springs, dated February 19, 1985; and a wastewater reclamation memorandum of understanding, dated June 12, 1985; whereby the City delivers secondary treated wastewater to the Agency for further treatment and distribution for beneficial reuse by the Agency.

5. The Water Quality Control Plan for the Colorado River Basin Region of California was adopted by the Regional Board on November 14, 1984. The Basin Plan contains water quality objectives for the Coachella Hydrologic Subunit.

6. The beneficial uses of the ground water of the Coachella Hydrologic Subunit are:

- a. Municipal supply
- b. Industrial supply
- c. Agricultural supply

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Superseded
with Board
Order #
91-004*

7. The Board has notified the discharger and interested agencies and persons of its intent to prescribe waste discharge requirements for this discharge.
8. The Board in a public meeting heard and considered all comments pertaining to the discharge.
9. Desert Water Agency has approved a Negative Declaration dated July 10, 1984 and "Addendum to Negative Declaration," dated July 23, 1985, for this proposed project. The Regional Board has reviewed this Negative Declaration and Addendum thereto. The below waste discharge requirements are designed to assure against any significant adverse effects on water quality.

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

A. Discharge Specifications

1. Reclaimed water used for irrigation shall be at all times an adequately disinfected, oxidized coagulated, clarified, filtered wastewater or a wastewater treated by a sequence of unit processes that will assure an equivalent degree of treatment and reliability. The wastewater shall be considered adequately disinfected if the median number of coliform organisms in the effluent does not exceed 2.2 per 100 milliliters, as determined from the bacteriological results of the last 7 days for which analyses have been completed, and the number of coliform organisms does not exceed 23 per 100 milliliters in any sample.
2. A freeboard depth of at least two feet shall be maintained in each infiltration basin and/or holding pond.
3. Reclaimed water shall be confined to the lands specifically designated for reclamation, and irrigation practices shall be so managed that runoff of reclaimed water from the irrigated areas does not occur at any time.
4. The wastewater reclamation facility shall meet the design and reliability requirements of Articles 7, 8, 9 and 10 of the California Administrative Code, Title 22. An engineering report conforming to Section 30323, Article 7, shall be developed.
5. Pursuant to requirements of the State Health Department, the Desert Water Agency shall establish rules and regulations governing the design and operation of facilities using reclaimed wastewater.

B. Provisions

1. The treatment and discharge of wastes shall not cause a pollution or a nuisance as defined in Sections 13050 (l) and 13050 (m) of the California Water Code.
2. The discharger shall not deliver reclaimed wastewater to any user who, by reason of the user's operating practices, causes nuisances associated with the wastewater or otherwise contributes to the violation of the requirements of this Order.
3. Desert Water Agency shall assure that notification of the use of reclaimed wastewater is provided to people who reside adjacent to irrigation reuse areas, to golf course patrons and to park users. The content of the notice and method of notification shall be approved by the Executive Officer. Notification of the public shall commence at least 30 days prior to commencement of golf course irrigation with reclaimed water.
4. The discharger's wastewater treatment plant shall be supervised and operated by persons possessing certificates of appropriate grade pursuant to Chapter 4, Subchapter 14, Title 23, California Administrative Code, and who are otherwise capable of adequately maintaining and operating the wastewater treatment and disposal facilities.
5. Prior to delivering reclaimed wastewater to areas other than those set forth in Finding No. 2, the discharger shall report thereon to this Board.
6. The discharger shall comply with "Monitoring and Reporting Program No. 86-21," and future revisions thereto, as specified by the Executive Officer.
7. The engineering report required by Discharge Specification 4. shall be submitted to the Regional Board, State Health Department, and Riverside County Health Department. The discharge shall not be initiated until the engineering report is received and accepted by the Executive Officer of the Regional Board.
8. The rules and regulations required by Discharge Specification 5. shall be submitted to the Regional Board, State Health Department, and Riverside County Health Department. The discharge shall not be initiated until the rules and regulations are received and excepted by the Executive Officer of the Regional Board.

I, Arthur Swajian, 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 January 22, 1986.



Executive Officer

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

MONITORING AND REPORTING PROGRAM NO. 86-21
FOR
DESERT WATER AGENCY
WASTEWATER RECLAMATION FACILITY
Palm Springs - Riverside County

Location of Reclamation Facility: S $\frac{1}{2}$, SW $\frac{1}{4}$, Section 20, T4S, R5E, SBB&M

MONITORING OF RECLAIMED WATER

Wastewater discharged from the reclamation facility shall be monitored for the following:

<u>Constituents</u>	<u>Units</u>	<u>Type of Sample</u>	<u>Sampling Frequency</u>
Turbidity	-	Continuous	Recorded ³
Chlorine Residual	mg/l	Grab at Peak Flow	Daily ¹
Flow (Total Plant Effluent)	MGD	Flow Measurement	Daily ²
Volume delivered to each individual user	MG	Flow Measurement	Daily

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1. Required only when wastewater is to be utilized for golf course and/or park irrigation.
 2. Reported for each day with average monthly flow calculated.
 3. Average daily value reported.

Wastewater delivered for golf course irrigation and/or for park irrigation shall be monitored for coliform organisms. Samples shall be taken when wastewater flow and characteristics are most demanding on the treatment facilities and disinfection procedures. The sample may be taken at any point in the treatment process.

<u>Item</u>	<u>Unit</u>	<u>Type of Sample</u>	<u>Sampling Frequency</u>
Coliform Organisms	MPN/100 ml	Grab	Daily ¹

REPORTING

Monitoring data shall be submitted to the Regional Board as follows:

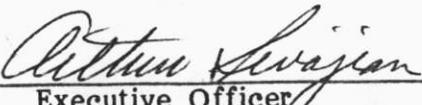
Daily data - reported monthly by the 15th day of the following month.

The discharger shall implement the above monitoring program upon commencement of delivering reclaimed wastewater for golf course and/or park irrigation.

Forward monitoring reports to:

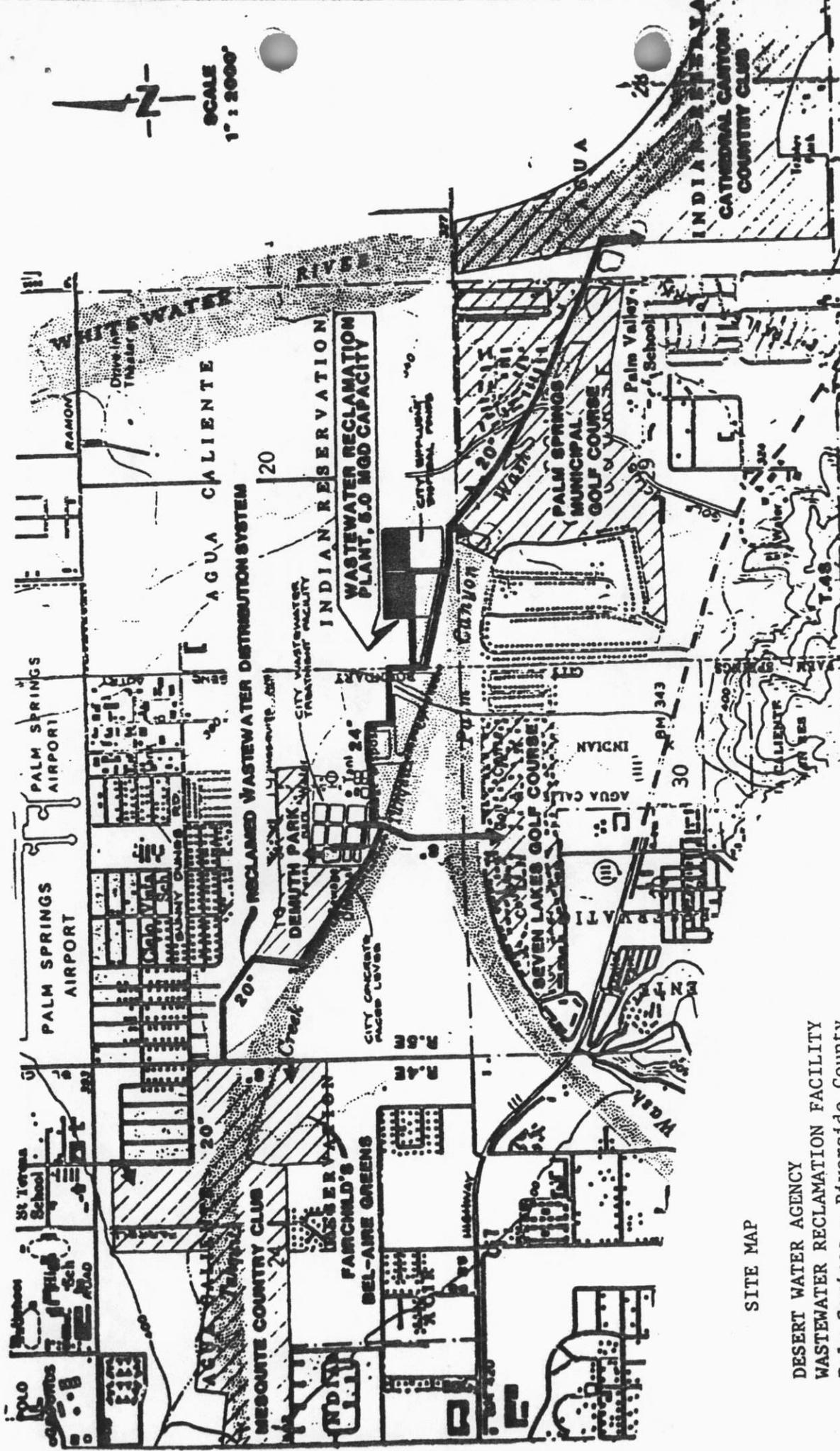
California Regional Water Quality Control Board
Colorado River Basin Region
73-271 Highway 111, Suite 21
Palm Desert, CA 92260

ORDERED BY:


Executive Officer

January 22, 1986
Date

1. Report individual test results and the medians of the last seven (7) analyses.



SITE MAP

DESERT WATER AGENCY
 WASTEWATER RECLAMATION FACILITY
 Palm Springs - Riverside County
 T4S, R5E, SBB&M