

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

ORDER NO. 91-004

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, (hereinafter referred to as the discharger), 1200 South Gene Autry Trail, Palm Springs, CA 92264, P.O. Box 1710, Palm Springs, CA 92263, verified as accurate the updated information given below on October 31, 1990.
2. The discharger operates a wastewater reclamation facility that provides tertiary treatment to the secondary effluent obtained from the Palm Springs trickling filter sewage treatment plant. The treatment process consists of chemical addition (alum), flocculation, clarification, multi-media filtration and finally disinfection with chlorine. The purpose of the treatment process is to produce a tertiary effluent quality suitable for landscape irrigation.
3. The wastewater reclamation facility has a design capacity of 5.0 million gallons-per-day (mgd) and is located in the S $\frac{1}{2}$ of the SW $\frac{1}{4}$ of Section 20, T4S, R5E, SBB&M, as indicated on the attached site map.
4. The discharger discharges/provides an annual average flow of 3.2 mgd of tertiary effluent for the irrigation of the following areas:
 - a. Mesquite Country Club N $\frac{1}{2}$, Section 24, T4S, R4E, SBB&M
 - b. Palm Springs Municipal Golf Course N $\frac{1}{2}$, Section 29, T4S, R5E, SBB&M
 - c. Demuth Park S $\frac{1}{2}$, Section 19, T4S, R4E, SBB&M
 - d. Fairchild's Bel Air Greens E $\frac{1}{2}$, Section 24, T4S, R4E, SBB&M
 - e. Discharger's Wastewater Reclamation Facility (on site) S $\frac{1}{2}$, SW $\frac{1}{4}$ Section 20, T4S, R5E, SBB&M
5. The discharger 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 discharger for further treatment and distribution for beneficial reuse by the discharger.
6. The Water Quality Control Plan for the Colorado River Basin Region of California designates the beneficial uses of ground and surface waters in this Region.

*Superseded
by Ad. Ord. # 96-008
1/24/96*

7. The beneficial uses of ground waters in the Coachella Hydrologic Subunit are:
 - a. Municipal supply (MUN)
 - b. Industrial supply (IND)
 - c. Agricultural supply (AGR)
8. This discharge has been subject to waste discharge requirements adopted in Board Order No. 86-021.
9. The purpose of this Board Order is to update waste discharge requirements adopted in Board Order No. 86-021.
10. There are no domestic wells within 500 feet of the discharge areas described in Finding No. 4, (above).
11. The Board has notified the discharger and all known interested agencies and persons of its intent to update waste discharge requirements for said discharge and has provided them with an opportunity for a public meeting and an opportunity to submit comments.
12. The Board in a public meeting heard and considered all comments pertaining to this discharge.
13. 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, that the discharger shall comply with the following:

A. Discharge Specifications

1. Reclaimed water used for the irrigation of golf courses, parks and landscapes where the public has access or exposure shall be at all times an adequately disinfected, oxidized coagulated, filtered wastewater or a wastewater treated by a sequence of unit processes that will assure an equivalent degree of treatment and reliability.
 - a. The reclaimed water shall be considered adequately disinfected if the median number of coliform organism 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 maximum number of coliform organism does not exceed 23 per 100 milliliters on any sample.
 - b. Filtered wastewater means an oxidized, coagulated, clarified wastewater which has been passed through natural undisturbed soils or filter media, such as sand or diatomaceous earth. The reclaimed water shall be considered adequately filtered if the turbidity, as determined by an approved laboratory method, does not exceed an average operating turbidity of 2 turbidity units and does not exceed 5 turbidity units more than 5 percent of the time during any 24-hour period.

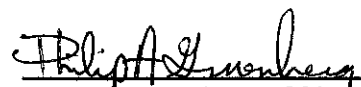
2. A minimum depth of freeboard of two (2) feet shall be maintained in each infiltration basin and/or holding basin.
3. Reclaimed water shall be confined to the areas specifically designated for reclamation, and irrigation practices shall be so managed that runoff of reclaimed water from the irrigated areas does not occur at any time.
4. 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 water.

B. Provisions

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 California Water Code.
2. The discharger shall not deliver reclaimed water to any user who, by reason of the user's operating practices, causes nuisances associated with the reclaimed water or otherwise contributes to the violation of the requirements of this Board Order.
3. Desert Water Agency shall assure that notification of the use of reclaimed water is provided to people who reside adjacent to irrigation areas, to golf course patrons and to park users. 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 reclamation facility shall be supervised and operated by persons possessing certificates of appropriate grade pursuant to Section 3680, Chapter 14, Title 23, California Code of Regulations and who are otherwise capable of adequately maintaining and operating the wastewater treatment facilities.
5. Prior to delivering reclaimed wastewater to areas other than those set forth in Finding No. 4, the discharger shall report in writing thereon to the Executive Officer of this Board.
6. The discharger shall comply with "Monitoring and Reporting Program No.91-004", and future revisions thereto, as specified by the Regional Board's Executive Officer.

IT IS FURTHER ORDERED that Board Order No. 86-021 be superseded by this Board Order.

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 January 16, 1991.



Executive Officer

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

MONITORING AND REPORTING PROGRAM NO. 91-004
FOR
DESERT WATER AGENCY
WASTEWATER RECLAMATION FACILITY
Palm Springs - Riverside County

Locations of Discharge: Portions of Sections 19, 20, 24, 29, T4S, R5E, SBB&M

MONITORING OF RECLAIMED WATER

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

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

2. Reclaimed water delivered for golf course, parks and on-site 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 delivery process.

<u>Item</u>	<u>Unit</u>	<u>Type of Sample</u>	<u>Sampling Frequency</u>
Coliform Organisms	MPN/100 ml	Grab	Daily ⁴

¹ Average daily value reported.

² Required only when wastewater is to be utilized for golf course and/or park irrigation.

³ Reported for each day with average monthly flow calculated.

⁴ Report individual test results and the medians of the last seven (7) analyses.

REPORTING

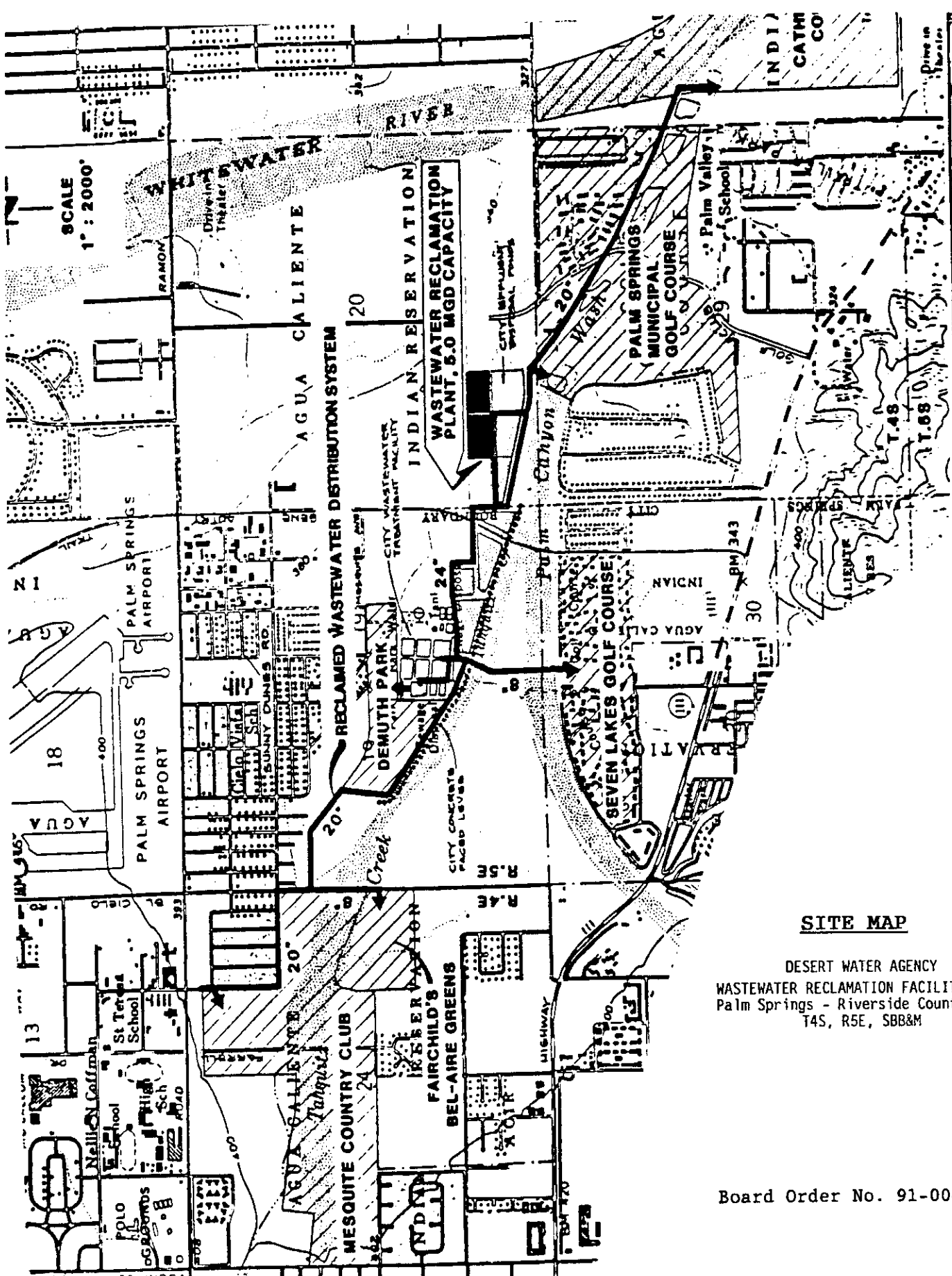
Reports on daily monitoring shall be submitted to the Regional Board by the 15th day of the following month.

Submit 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: Philip A. Greenberg
Executive Officer

January 16, 1991
Date



SITE MAP

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