

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

ORDER NO. 89-048

WASTE DISCHARGE REQUIREMENTS
FOR
SUNRISE DESERT PARTNERS
SUNTERRA RESORT COMPLEX
City of Indian Wells - Riverside County

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

1. Sunrise Desert Partners, 42-600 Cook Street, Suite 200, Palm Desert, CA 92260 (hereinafter referred to as the discharger), submitted a report of waste discharge, dated April 6, 1989, for use of reclaimed wastewater to irrigate golf courses and landscape areas of the Sunterra Resort Complex (to be constructed).
2. The discharger has proposed the construction of Sunterra Resort Complex to be composed of the following elements:
 - a. Conference Center
 - b. Hotels
 - c. Retail Villages
 - d. Restaurants
 - e. Recreational Amenities - tennis courts, golf courses and a 90 acre lake.

The project site would cover an area of approximately about 640 acres located between Fred Waring Drive and 42 Avenue, City of Indian Wells or in the W $\frac{1}{2}$ of Section 14, and E $\frac{1}{2}$ of Section 15, T5S, R6E, SBB&M, as indicated in the attached site map.

3. The discharger proposes to use a maximum of 6 million gallons per day of reclaimed wastewater purchased from Coachella Valley Water District's Palm Desert Wastewater Reclamation Plant, for the irrigation of golf courses and landscape areas.
4. The reclaimed wastewater would be tertiary treated and when delivered to the project site would be held in storage reservoir(s) located on the golf course. Water would be drafted, pressurized and piped into the sprinkler system. Supplemental irrigation wells will be available on site for any additional water requirements. System design would minimize any integration of effluent waters into the central 90 acre lake through sprinkler overspray.

During construction of the site, tertiary effluent (reclaimed wastewater) would be used for grading compaction and dust control.

*Recorded
1/22/92*

5. The proposed project would also generate about 0.75 million gallons per day of wastewater which would be pumped to Coachella Valley Water District's Wastewater Reclamation Plant in Palm Desert for treatment.
6. The Water Quality Control Plan for the Colorado River Basin Region of California was adopted by the Regional Board on November 14, 1984.
7. The discharge is located in the Indio Hydrological Subarea of the Coachella Hydrologic Area. The beneficial uses of ground waters of the Coachella Hydrologic Area are:
 - a. Municipal supply
 - b. Industrial supply
 - c. Agricultural supply
8. The Board has notified the discharger and interested agencies and persons of its intent to prescribe waste discharge requirements for the discharge.
9. The Board in a public meeting heard and considered all comments pertaining to the existing discharge.
10. The City of Indian Wells approved the final Environmental Impact Report (EIR) on the proposed project on May 13, 1987. Said EIR indicates no significant adverse impact on surface or ground water quality due to the project.

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

A. Discharge Specifications

1. Reclaimed water used for the irrigation of golf courses 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 wastewater shall be considered adequately disinfected if the median number of coliform organisms in the effluent does not exceed 2.2 per 100 millimeters, as determined from the bacteriological results of the last 7 days for which analyses have been completed, and the maximum number of coliform organisms does not exceed 23 per 100 milliliters in 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 wastewater 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

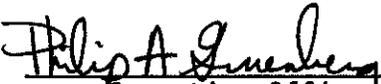
and does not exceed 5 turbidity units more than 5 percent of the time during any 24-hour period.

2. Reclaimed water used for soil compaction, dust control, and other construction purposes where the workers or the public have similar access or exposure shall be at all times an adequately disinfected oxidized wastewater. 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 maximum number of coliform organisms does not exceed 23 per 100 milliliters in any sample.
3. A freeboard depth of at least two feet shall be maintained in each storage reservoir.
4. There shall be no direct discharge of reclaimed wastewater into any on-site domestic or irrigation supply well as a result of reclaimed wastewater irrigation of golf courses and landscape areas.
5. Sunrise Desert Partners shall assure that notification of the use of reclaimed wastewater is provided to people reside or who are guests at facilities that are being irrigated with reclaimed water. Notification of the public shall commence at least 30 days prior to commencement of golf course irrigation with reclaimed water.

B. Provisions

1. The discharge of reclaimed wastewater shall not create pollution or nuisance as defined in Division 7 of the California Water Code.
2. The discharger shall comply with "Monitoring and Reporting Program No. 89-048", and future revisions thereto, as specified by the Executive Officer.

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 June 28, 1989.


Executive Officer

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

MONITORING AND REPORTING PROGRAM NO. 89-048
FOR
SUNRISE DESERT PARTNERS
SUNTERRA RESORT COMPLEX
City of Indian Wells - Riverside County

Location of Discharge: W $\frac{1}{2}$ of Section 14, E $\frac{1}{2}$ of Section 15, T5S, R6E, SBB&M

MONITORING

The discharger shall, in cooperation with Coachella Valley Water District (CVWD), Palm Desert Wastewater Reclamation Plant (producer of reclaimed wastewater), monitor¹ the following constituents/parameters in the reclaimed wastewater discharged via irrigation of golf courses and landscapes:

<u>Constituent</u>	<u>Type of Units</u>	<u>Sample</u>	<u>Sampling Frequency</u>
Turbidity	Turbidity Units	Continuous	Average Daily and Maximum Values to be Reported
Chlorine Residual	mg/l	Grab	Daily
Discharge of Reclaimed Wastewater	MGD	-	Daily ²
Coliform Organism	MPN/100 ml	Grab	Daily ³

¹ The Regional Board would accept sampling done by CVWD at the time of water delivery so that the discharger would not be required to do duplicate sampling.

²Reported each day with average monthly flow calculated

³Report individual test results and the median of the last 7 day analyses

REPORTING

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

Daily monitoring data to be reported monthly by the 15th day of the following month.

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

June 28, 1989
Date



SITE MAP

SUNRISE DESERT PARTNERS
SUNTERRA RESORT COMPLEX
City of Indian Wells - Riverside County
Location of Discharge: W $\frac{1}{2}$ of Section 14, E $\frac{1}{4}$ of Section 15, T5S, R6E, S8B&M

