

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
COLORADO RIVER BASIN REGION

ORDER NO. 80-64

WASTE DISCHARGE REQUIREMENTS  
FOR  
CITY OF PALM SPRINGS  
Riverside County

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

1. City of Palm Springs (hereinafter also referred to as the discharger) P.O. Box 1786, Palm Springs, CA 92263, submitted a Report of Waste Discharge dated September 20, 1979.
2. The discharger proposes to discharge 10 mgd of treated wastewater as follows:
  - a. 2 mgd would be used for irrigation of the city golf course, located in Section 29, T4S, R5E, SBB&M.
  - b. 0.75 mgd would be used for irrigation of a city park, located in the S 1/2, Section 19, T4S, R5E, SBB&M.
  - c. 0.25 mgd would be used for irrigation of plant grounds and for treatment plant cooling and flushing at plant site, located in the S 1/2, Section 19, T4S, R5E, SBB&M.
  - d. 7 mgd would be discharged to infiltration basins located at treatment plant site during periods of wastewater reuse, and 10 mgd would be discharged to said infiltration basins during periods of non-reuse.
3. The Water Quality Control Plan for the West Colorado River Basin was adopted by the Board on April 10, 1975. The Basin Plan contains water quality objectives for Coachella Hydrologic Subunit.
4. The beneficial uses of groundwaters in the vicinity of the discharge which are to be protected by this Order are:
  - a. Municipal supply
  - b. Industrial supply
  - c. Agricultural supply

5. This discharge has been subject to waste discharge requirements adopted in Order No. 74-21.
6. The Board has notified the discharger and interested agencies and persons of its intent to prescribe waste discharge requirements for the proposed discharge.
7. The Board in a public meeting heard and considered all comments pertaining to the proposed discharge.
8. City of Palm Springs, on June 18, 1980, adopted an Environmental Impact Report for the proposed sewage treatment plant expansion. This report indicates that this project would not have a significant effect on water quality.

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

A. Discharge Specifications

1. Representative samples of wastewater effluent discharged to holding and infiltration basins from treatment facilities shall not contain constituents in excess of the following limits:

<u>Constituent</u>	<u>Units</u>	<u>30-Day Arithmetic Mean Discharge Rate</u>	<u>7-Day Arithmetic Mean Discharge Rate</u>
20°C BOD <sub>5</sub>	mg/l	20	30
Suspended Solids	mg/l	20	30
Settleable Matter	ml/l	0.3	0.5

2. Reclaimed water used for the irrigation of golf courses where the public does not have direct contact with said wastewater, and also used for plant grounds and green belt areas where the public does not have direct 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 23 per 100 milliliters, as determined from the bacteriological results of the last 7 days for which analyses have completed, and the number of coliform organisms does not exceed 240 per 100 milliliters in any two consecutive samples.

3. Reclaimed water used for the irrigation of parks, playgrounds, and other areas where the public has similar access or exposure 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.
4. Representative samples of wastewater contained in holding and/or infiltration basins shall not contain constituents in excess of the following limits:

<u>Constituent</u>	<u>Unit</u>	<u>30-Day Arithmetic Mean Discharge Rate</u>	<u>7-Day Arithmetic Mean Discharge Rate</u>
Total Dissolved Solids	mg/l	450	500
Sulfate (SO <sub>4</sub> )	mg/l	70	80
Chloride (Cl)	mg/l	70	80
Fluoride (F)	mg/l	1.2	1.3

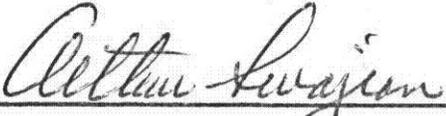
5. Infiltration facilities shall be maintained and operated so as to maximize infiltration and minimize the increase of salinity.
6. Sewage sludge shall not be discharged to any natural or artificial channel.
7. A freeboard depth of at least two feet shall be maintained in each infiltration basin and holding pond.

#### B. Provisions

1. The treatment and discharge of wastes shall not cause a pollution or a nuisance.
2. Adequate protective works shall be provided to assure that a flood which would be expected to occur on a frequency of once in a 100-year period would not erode or otherwise render portions of the treatment and discharge facilities inoperable, except for infiltration basins.

3. This Order supersedes this Board's Order No. 74-21.
4. This Order includes the attached "Standard Provisions and Reporting Requirements."
5. This Order includes the attached "Monitoring and Reporting Program No. 80-64, and future revisions thereto, as specified by the Executive Officer.
6. Facilities shall be available to keep the plant in operation in the event of commercial power failure.
7. The discharger's wastewater treatment plant shall be supervised and operated by persons possessing certification of appropriate grade pursuant to Chapter 3, Subchapter 14, Title 23, California Administrative Code.

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 July 9, 1980.

  
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Executive Officer

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
 COLORADO RIVER BASIN REGION

MONITORING AND REPORTING PROGRAM NO. 80-64  
 FOR  
 CITY OF PALM SPRINGS  
 Riverside County

EFFLUENT MONITORING

Wastewater discharged from the treatment facilities shall be monitored for the following:

<u>Constituent</u>	<u>Unit</u>	<u>Type of Sample</u>	<u>Sampling Frequency</u>
20°C BOD <sub>5</sub>	mg/l	24-Hr. Composite	Weekly
Suspended Solids	mg/l	24-Hr. Composite	Weekly
Settleable Matter	ml/l	Grab at Peak Flow	Daily
Flow (Total Plant Effluent)	MGD	Flow Measurement	Daily*

Wastewater contained in holding and/or infiltration basins shall be monitored for the following:

<u>Constituent</u>	<u>Unit</u>	<u>Type of Sample</u>	<u>Sampling Frequency</u>
Total Dissolved Solids	mg/l	Grab	Quarterly
Sulfate (SO <sub>4</sub> )	mg/l	Grab	Quarterly
Chloride (Cl)	mg/l	Grab	Quarterly
Fluoride (F)	mg/l	Grab	Quarterly
Total Nitrogen (N)	mg/l	Grab	Quarterly

\*Reported for each day with average monthly flow calculated.

WASTEWATER RECLAMATION

Wastewater directly reused for irrigation of golf courses, and parks, shall be monitored for the following:

<u>Item</u>	<u>Unit</u>	<u>Type of Sample</u>	<u>Sampling Frequency</u>
Coliform Organisms	MPN/100 ml	Grab	Daily**
Discharge to Golf Course	MGD	Flow Measurment	Daily***
Discharge to Park	MGD	Flow Measurement	Daily***

SEWAGE SLUDGE

The City of Palm Springs shall report quarterly on the quantity, method and location of sewage sludge discharged.

REPORTING

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

Quarterly reports - by January 15, April 15, July 15, and October 15 of each year.

Daily, Weekly and Monthly data - reported monthly by 15th day of the following month

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\*\*To be taken when wastewater flow and characteristics are most demanding on the treatment facilities and disinfection procedures. Sample may be taken at any point in the treatment process.

\*\*\* Reported for each day with average monthly flow calculated.

The discharger shall implement the above monitoring program within 30 days of the effective date of this Order.

Forward monitoring reports to:

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

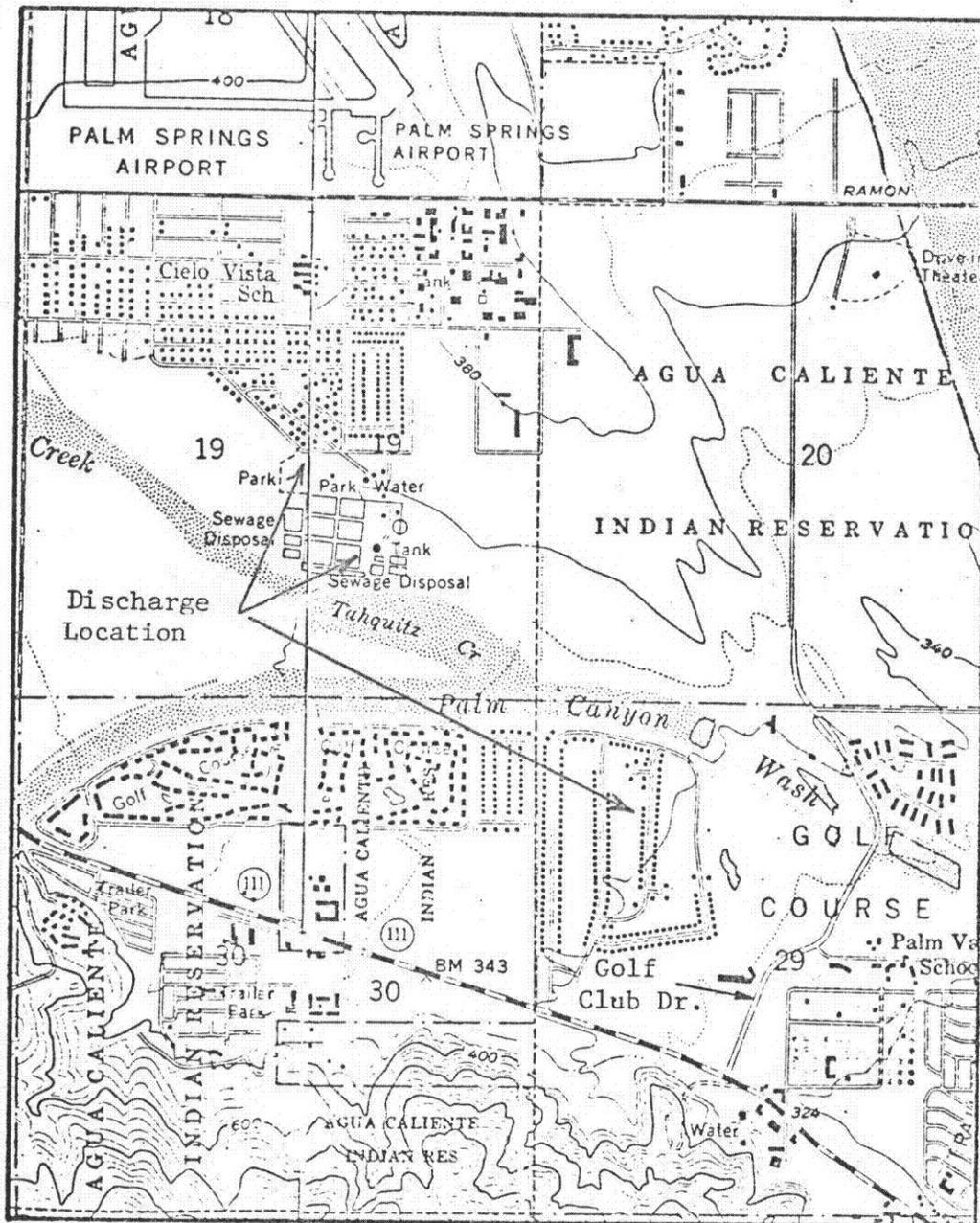
Ordered by

*Arthur Sevajian*

Executive Officer

July 9, 1980

Date



SITE MAP

CITY OF PALM SPRINGS  
Riverside County

Discharge Location: SE 1/4 of Section 19, T4S, R5E, SBB&M  
USGS Palm Springs and Cathedral City 7.5 min. Topographic Maps