

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
COLORADO RIVER BASIN REGION

ORDER NO. 94-043

WASTE DISCHARGE REQUIREMENTS  
FOR  
DESERT SANDS UNIFIED SCHOOL DISTRICT  
PALM DESERT HIGH SCHOOL  
WASTEWATER RECLAMATION  
Palm Desert - Riverside County

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

1. Desert Sands Unified School District (hereinafter referred to as the discharger), 82-879 Highway 111, Indio, California 92201, submitted a Report of Waste Discharge on December 1, 1993, for use of reclaimed wastewater at Palm Desert High School, 43-570 Phyllis Jackson Lane, Palm Desert, California 92260.
2. The discharger is proposing to discharge reclaimed wastewater for irrigation of landscape and playing fields located in the SE 1/4 of Section 16, T5S, R6E, SBB&M, as indicated on the attached site map. A sprinkler system will be used for the purpose of irrigation. Reclaimed wastewater will be received from Coachella Valley Water District's Palm Desert Wastewater Treatment Plant.
3. The California Department of Health Services has established statewide reclamation criteria in Section 60301, Chapter 2, Division 4, Title 22, California Code of Regulations, et. seq. for the use of reclaimed water and has developed guidelines for specific uses.
4. The discharger is proposing to discharge a maximum daily flow of 200,000 gallons-per-day. The average daily flow is 100,000 gallons-per-day. The total area to be irrigated is 45.6 acres.
5. The location of the nearest well (CVWD No. 5620) is reported to be about one half mile north of the proposed site. The depth of the water table is 161 feet below ground surface.
6. Analysis of a ground water sample taken from the CVWD No. 5620 indicates that the Total Dissolved Solids (TDS) concentration is 200 mg/L, and concentration of nitrate is 12 mg/L as nitrate.
7. The Water Quality Control Plan for the Colorado River Basin Region of California (Basin Plan) was adopted on May 15, 1991 and designates the beneficial uses of ground and surface waters in this Region.

8. The beneficial uses of ground waters in the Coachella Hydrologic Subunit are:
  - a. Municipal supply (MUN)
  - b. Industrial supply (IND)
  - c. Agricultural supply (AGR)
9. The Board has notified the discharger and all known interested agencies and persons of its intent to prescribe waste discharge requirements for said discharge and has provided them with an opportunity for a public meeting and an opportunity to submit comments.
10. The Board in a public meeting heard and considered all comments pertaining to this discharge.
11. The Board of Directors of the Coachella Valley Water District approved a Negative Declaration on April 12, 1994, for the use of reclaimed wastewater for irrigation purposes at the Palm Desert High School.

IT IS HEREBY ORDERED, that in order to meet the provisions contained in Division 7 of the California Water Code and regulations adopted thereunder, the discharger shall comply with the following:

A. Effluent Limitations

1. The total dissolved solids concentrations shall not exceed of 400 mg/L above the source water.
2. The 30-day average daily dry weather discharge flow shall not exceed 200,000 gallons-per-day.

B. Prohibitions

1. The direct discharge of reclaimed wastewater to any surface waters or surface water drainage courses is prohibited.
2. Discharge of reclaimed wastewater at a location or in a manner different from that described in Findings No. 2 and 3, above, is prohibited.
3. The discharge of wastewater containing any carcinogen or reproductive toxins listed by the Governor pursuant to Health and Safety Code Sections 25249.5 through 25249.13, also known as the Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65), where such chemical passes or probably will pass into any source of drinking water, is prohibited.
4. Discharge of reclaimed wastewater during periods of rainfall which could result in runoff of storm water to adjacent property or when soil is saturated is prohibited.
5. The discharge of waste to land not owned or controlled by the discharger is prohibited.
6. Use or installation of hose bibs on any reclaimed irrigation system, regardless of hose bib construction or identification, shall not be permitted.

### C. Specifications

1. Only disinfected tertiary reclaimed wastewater which meets the criteria contained in Title 22 of the California Code of Regulations shall be used at the facility.
2. 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.
3. The discharger shall not discharge reclaimed wastewater in excess of the design capacity of the system. In case of an emergency, the Regional Board shall be duly notified, and an approval to discharge is required from the Regional Board's Executive Officer.
4. No constituents of reclaimed wastewater shall be allowed to escape from the designated use area via surface flow, airborne spray or mist.
5. Reclaimed wastewater shall not be applied so as to cause saturated conditions within 100 feet of any water body or wetland.
6. The use of reclaimed wastewater shall not cause the degradation of ground water used for domestic purposes or cause any change in a quality parameter which would make the ground water unsuitable for existing use.
7. The storage, delivery, or use of reclaimed water shall not individually or collectively, directly or indirectly, result in a pollution or nuisance, or adversely affect water quality as defined in the California Water Code.
8. The discharge shall not cause degradation of any water supply.
9. There shall be no surface flow of wastewater away from the discharge facility.
10. Reclaimed wastewater shall not be used for public consumption.
11. Adequate measures shall be taken to minimize public contact when reclaimed wastewater containing potential infectious micro-organisms is being used. Adequate warning signs with proper wording of sufficient size to be clearly read shall be posted at adequate intervals around the use area, unless public access is otherwise restricted.
12. All reclaimed wastewater distribution lines and sprinkler systems shall be appropriately tagged with conspicuous warning signs with proper wording of sufficient size (at controller valves, outlets, etc.) to warn the public that the wastewater is not safe for drinking or direct contact.
13. Reclaimed wastewater shall not be applied where it could contact passing vehicles, buildings, drinking water facilities, or enter areas where food is handled or eaten or areas not under control of the user.
14. There shall be at least a 10-foot horizontal and 1-foot vertical separation (with domestic water above the reclaimed pipeline) between all pipelines transporting reclaimed wastewater and those transporting domestic water.

15. Irrigation shall be practiced during periods when the ground will have maximum opportunity to dry before use by the public.
16. Irrigated areas shall be properly graded to minimize ponded area.

C. Provisions

1. The discharger shall comply with "Monitoring and Reporting Program No. 94-043", and future revisions thereto, as specified by the Regional Board's Executive Officer.
2. Prior to any modifications in this facility which would result in material change in the quality or quantity of wastewater treated or discharged, or any material change in the location of discharge, the discharger shall report all pertinent information in writing to the Regional Board; and obtain revised requirements before any modifications are implemented.
3. Prior to any change in ownership or management of this operation, the discharger shall transmit a copy of this Board Order to the succeeding owner/operator, and forward a copy of the transmittal letter to the Regional Board.
4. The discharger shall ensure that all site operating personnel are familiar with the content of this Board Order, and shall maintain a copy of this Board Order at the site.
5. This Board Order does not authorize violation of any federal, state, or local laws or regulations.
6. The discharger shall allow the Regional Board, or an authorized representative, upon presentation of credentials and other documents as may be required by law, to:
  - a. Enter upon the premises regulated by this Board Order, or the place where records must be kept under the conditions of this Board Order;
  - b. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this Board Order;
  - c. Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this Board Order; and
  - d. Sample or monitor at reasonable times, for the purpose of assuring compliance with this Board Order or as otherwise authorized by the California Water Code, any substances or parameters at this location.
7. 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.
8. The discharger must comply with all of the conditions of this Board Order. Any noncompliance with this Board Order constitutes a violation of the Porter-Cologne Water Quality Control Act and is grounds for enforcement action.

9. The discharger shall furnish, under penalty of perjury, technical monitoring program reports, and such reports shall be submitted in accordance with the specifications prepared by the Regional Board's Executive Officer. Such specifications are subject to periodic revisions as may be warranted.
10. The Board will review this Board Order periodically and may revise requirements when necessary.
11. The discharger shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances), which are installed or used by the discharger to achieve compliance with conditions of this Board Order.
12. The discharger shall comply with the following:
  - a. Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity.
  - b. The discharger shall retain records of all monitoring information, including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation, copies of all reports required by this Board Order, and records of all data used to complete the application for this Board Order, for a period of at least 5 years from the date of the sample, measurement, report or application. This period may be extended by request of the Regional Board's Executive Officer at any time.
  - c. Records of monitoring information shall include:
    1. The date, exact place, and time of sampling or measurements.
    2. The individual(s) who performed the sampling or measurements.
    3. The date(s) analyses were performed.
    4. The individual(s) who performed the analyses.
    5. The results of such analyses.
13. All maintenance performed will be reported with the monitoring reports as required.
14. All regulated disposal systems shall be readily accessible for sampling and inspection.
15. The discharger is the responsible party for the waste discharge requirements, monitoring and reporting program for the facility. The discharger must comply with all conditions of these waste discharge requirements. Violations may result in enforcement actions, including Regional Board Orders or court orders, requiring corrective action or imposing civil monetary liability, or in modification or revocation of these waste discharge requirements by the Regional Board.

16. An on-site supervisor responsible for operation of the reclaimed wastewater system shall be designated by the discharger. The supervisor shall be responsible for the installation, operation and maintenance of the irrigation system, enforcing this Board Order, prevention of potential hazards, maintenance of the distribution system plans in "as-built" form, and from the distribution of the reclaimed wastewater in accordance with this Board Order. The name of the on-site supervisor shall be furnished to the Regional Board at least 30 days prior to commencement of the use of reclaimed wastewater.

Please forward the name of the designated on-site supervisor to:

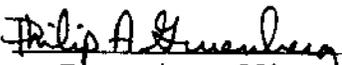
California Regional Water Quality Control Board  
Colorado River Basin Region  
73-720 Fred Waring Drive, Suite 100  
Palm Desert, CA 92260

17. The designated supervisor shall report any noncompliance with this Board Order to the Regional Board. This information shall be provided orally to the Regional Board within 24 hours from the time the on-site supervisor becomes aware of the circumstances. A written submission shall also be provided to the Regional Board within five days of the time the on-site supervisor becomes aware of the circumstances.

The written submission shall contain:

- a. A description of the noncompliance and its cause;
  - b. The period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected, the anticipated time it is expected to continue; and
  - c. Steps taken or planned to reduce, eliminate and prevent recurrence of noncompliance.
18. The discharger may be required to submit technical reports as directed by the Regional Board's Executive Officer.

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 May 17, 1994.

  
Executive Officer

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
COLORADO RIVER BASIN REGION

MONITORING AND REPORTING PROGRAM NO. 94-043  
FOR

DESERT SANDS UNIFIED SCHOOL DISTRICT  
PALM DESERT HIGH SCHOOL  
WASTEWATER RECLAMATION  
Palm Desert - Riverside County

Location of Discharge: SE 1/4, Section 16, T5S, R6E, SBB&M

MONITORING

1. Reclaimed wastewater at the location of the discharge shall be monitored in accordance with the following:

<u>Constituents</u>	<u>Unit</u>	<u>Sample Type</u>	<u>Sample Frequency</u>
Total Dissolved Solids (TDS)	mg/L <sup>1</sup>	Grab	Quarterly
Average Volume of Wastewater Discharged (Daily)	GPD <sup>2</sup>	----	Quarterly

2. Discharger shall perform a cross connection evaluation on an annual basis.
3. The collection, preservation and holding times of all samples shall be in accordance with U. S. Environmental Protection Agency approved procedures. All analyses shall be conducted by a laboratory certified by the State Department of Health Services to perform the required analyses.

REPORTING

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

Submit monitoring reports to:

California Regional Water Quality Control Board  
Colorado River Basin Region  
73-720 Fred Waring, Suite 100  
Palm Desert, CA 92260

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<sup>1</sup> mg/L = Milligrams-per-Liter

<sup>2</sup> GPD = Gallons-per-day

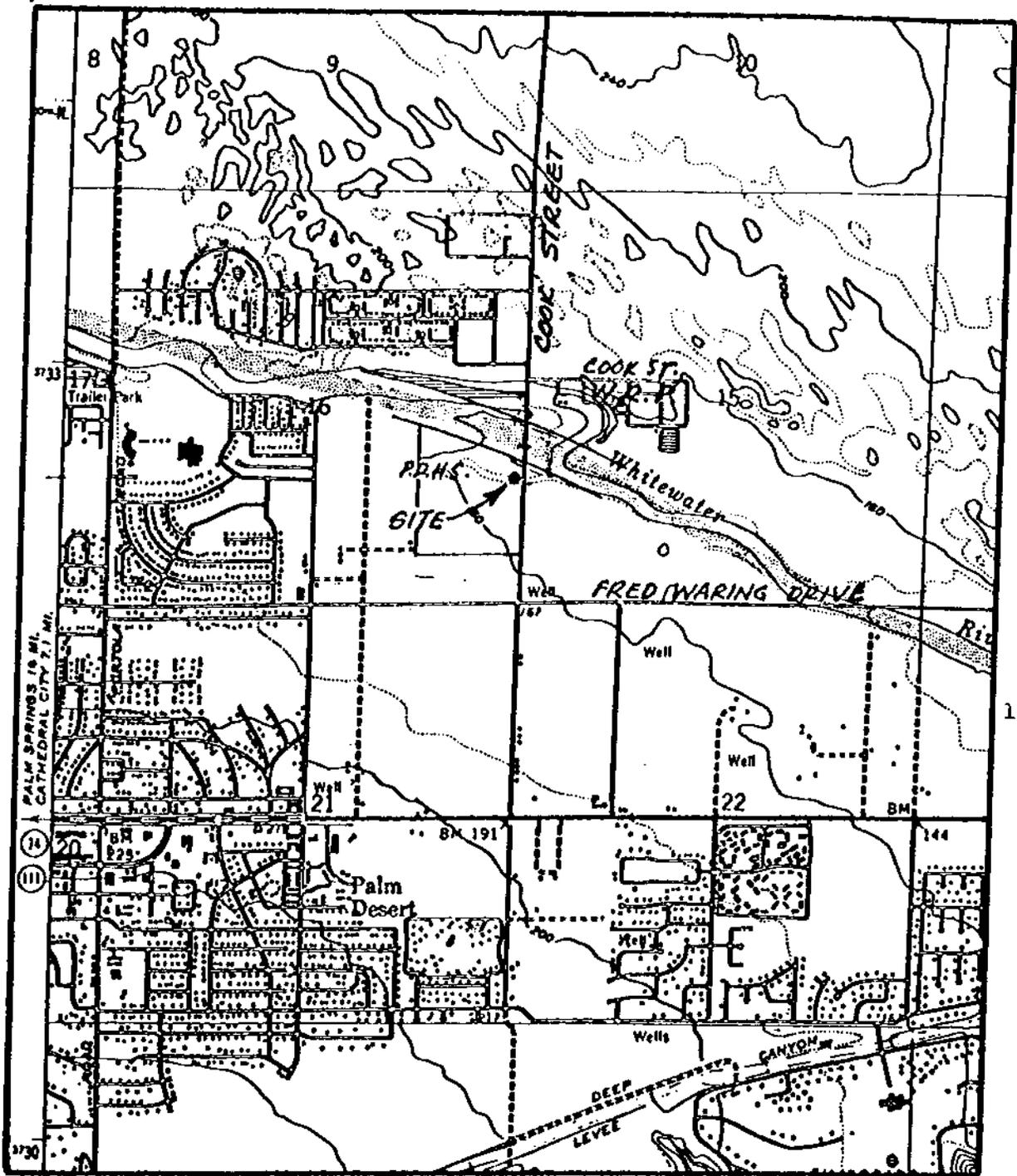
2. The discharger shall arrange the data in tabular form so that the specified information is readily discernible. The data shall be summarized in such a manner as to clearly illustrate whether the facility is operating in compliance with waste discharge requirements.
3. Report immediately any failure of the system by telephone with follow-up by letter.
4. Note any changes in the operating procedure for the season.
5. A duly authorized representative of the discharger may sign the documents if:
  - a. The authorization is made in writing by the person described above;
  - b. The authorization specified an individual or person having responsibility for the overall operation of the regulated disposal system; and
  - c. The written authorization is submitted to the Regional Board's Executive Officer.
6. Each report shall contain the following statement:

"I declare under the penalty of law that I have personally examined and am familiar with the information submitted in this document, and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Ordered By: Philip A. Greenberg  
Executive Officer

May 17, 1994

Date



**SITE MAP**

DESERT SANDS UNIFIED SCHOOL DISTRICT  
PALM DESERT HIGH SCHOOL  
WASTEWATER RECLAMATION  
Palm Desert - Riverside County  
Portions of SE 1/4 of Section 16, T5S, R6E, SBB&M  
USGS Palm Desert 7.5 min. Topographic Map