

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

ORDER NO. 96-005

**WASTE DISCHARGE REQUIREMENTS
FOR
EMERALD COVE PARTNERSHIP, OWNER
BRIAN JACKSON, OPERATOR
EMERALD COVE RESORT
SEPTIC TANK/OXIDATION BASIN DISPOSAL FACILITIES
Northeast of Earp - San Bernardino County**

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

1. Emerald Cove Partnership, owner, and Brian Jackson, operator, (hereinafter referred to as the dischargers), P.O. Box 1088, Parker Dam, CA 92267, submitted an updated Report of Waste Discharge, dated October 16, 1995, for an expansion of this existing recreational vehicle (RV) park and a change in the disposal facilities to oxidation/evaporation basins.
2. The dischargers propose to add 247 RV spaces to an existing RV park with 422 spaces resulting in a total of 669 RV spaces discharging a maximum of 93,000 gallons-per-day of domestic sewage. The wastewater would be discharged into 10 septic tanks that would flow into two holding tanks. The effluent would then be pumped through two lift stations to one of five clay-lined oxidation basins for final disposal by evaporation. The dischargers report that the basins are to be designed with more than adequate capacity for the maximum discharge during the winter months when evaporation is minimal. The basins are to be interconnected by equalizing pipes causing the ponds to maintain a minimum freeboard depth of two feet. The basins are to be located in the NW 1/4 of Section 2, NE 1/4 of Section 3, T1N, R26E, and the SW 1/4 of Section 35, T2N, R26E, SBB&M. The park is about six miles northeast of Earp on Highway 62.
3. The total design capacity exceeds 100,000 gallons-per-day of effluent given the reported average rate of evaporation of about seven feet-per-year. A sewage disposal facilities sketch for the park is shown on Attachment A incorporated herein and made a part of this Board Order. An existing laundry room discharges washwater through a lint trap into a septic tank/leach field system. An area has been reserved for 100 percent replacement of the leach field as shown on the sketch.
4. This discharge has been subject to waste discharge requirements adopted in Board Order No. 87-046.
5. This Board Order updates the waste discharge requirements to comply with current laws and regulations as set forth in the California Water Code and the California Code of Regulations.
6. There are no wells within 500 feet of the disposal facilities described in Finding No. 2, above. The water supply well for the park, which is located about 900 feet from the basins, has a total dissolved solids (TDS) concentration of about 950 mg/L and a depth-to-ground water of about 10 feet.
7. There are no significant faults in the discharge area. The evaporation basins are to be situated about 1000 feet west of the Colorado River on a clay floodplain where the soil is nearly impermeable. Annual precipitation for the local area averages less than four inches.

8. The Water Quality Control Plan for the Colorado River Basin Region of California (Basin Plan) was adopted on November 17, 1993 and designates the beneficial uses of ground and surface waters in this Region.
9. The beneficial uses of ground waters in the Colorado Hydrologic Unit are:
 - a. Municipal supply (MUN)
 - b. Industrial supply (IND)
 - c. Agricultural supply (AGR)
10. The beneficial uses of water in the Colorado River are:
 - a. Fresh Water Replenishment (FRSH)
 - b. Water Contact Recreation (REC II)
 - c. Cold Water Habitat (COLD)
 - d. Wildlife Habitat (WILD)
 - e. Preservation of Rare, Endangered or Threatened Species (RARE)
 - f. Municipal Supply (MUN)
 - g. Industrial Supply (IND)
 - h. Agricultural Supply (AGR)
 - i. Ground Water Recharge (GWR)
 - j. Hydropower Generation (POW)
11. The Board has notified the dischargers 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. The United States Bureau of Land Management approved Environmental Assessment EA-AZ - 054-95-015 on September 20, 1995 for the proposed park expansion and installation of the oxidation basins. The Regional Board reviewed this document, which states that no significant impacts on the environment are expected as a result of the project.

IT IS HEREBY ORDERED, that Board Order No. 87-046 is rescinded, and in order to meet the provisions contained in Division 7 of the California Water Code and regulations adopted thereunder, the dischargers shall comply with the following:

A. Prohibitions

1. The direct discharge of any wastewater to any surface waters or surface drainage courses is prohibited.
2. Bypass or overflow of untreated or partially treated waste is prohibited.
3. The discharge of waste to land not owned or controlled by the dischargers is prohibited.
4. Discharge of treated wastewater at a location or in a manner different from that described in Finding No. 2, above, is prohibited.
5. The dischargers shall not accept waste in excess of the design treatment capacity of the disposal system.

B. Specifications

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. A minimum depth of freeboard of two (2) feet shall be maintained at all times in the basins.
3. Ponds shall be managed to prevent breeding of mosquitoes as follows:
 - a. An erosion control program should assure that small coves and irregularities are not created around the perimeter of the water surface.
 - b. Weeds shall be minimized through control of water depth, harvesting, or herbicides.
 - c. Dead algae, vegetation, and debris shall not accumulate on the water surface.
4. Public contact with undisinfected wastewater shall be precluded through such means as fences, signs, and other acceptable alternatives.
5. The discharge shall not cause degradation of ground water or any water supply.
6. No wastewater other than domestic wastewater shall be discharged into the sewage disposal system described in Finding No. 2, above.
7. There shall be no discharge, bypass, or flow of treated or untreated wastewater to surface waters.
8. Disposal by ponding shall be conducted in such a manner that there shall be no stranded or exposed sewage solids.
9. A surface aerobic environment shall be maintained in each basin.
10. The discharge volume from this facility shall not exceed 93,000 gallons-per-day.
11. The septic systems shall be maintained to remain effective in treating wastewater.

C. Provisions

1. The dischargers shall comply with "Monitoring and Reporting Program No. 96-005", 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 dischargers 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 dischargers 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 dischargers 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.

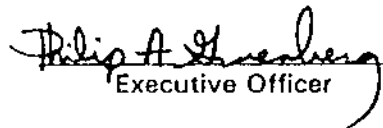
5. This Board Order does not authorize violation of any federal, state, or local laws or regulations.
6. Facilities shall be available to keep the sewage system in operation in the event of commercial power failure.
7. The dischargers shall allow the Regional Board, or an authorized representative, upon 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 shall 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.
8. The dischargers shall 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 may be grounds for an enforcement action.
9. This Board Order does not convey any property rights of any sort or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of federal, state, or local laws or regulations.
10. Unless otherwise approved by the Regional Board's Executive Officer, all analyses shall be conducted at a laboratory certified for such analyses by the State Department of Health Services. All analyses shall be conducted in accordance with the latest edition of "Guidelines Establishing Test Procedures for Analysis of Pollutants", promulgated by the United States Environmental Protection Agency.
11. All regulated disposal systems shall be readily accessible for sampling and inspection.
12. 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.
13. Adequate measures shall be taken to assure that unauthorized persons are effectively excluded from contact with the wastewater disposal facilities.
14. The dischargers shall provide an inventory of all hazardous materials which will be handled at the facility by January 15, 1997.
15. The dischargers are the responsible party for the waste discharge requirements and the monitoring and reporting program for the facility. The dischargers shall 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. The dischargers 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.
17. The dischargers shall retain records of all monitoring information including all calibration and maintenance records, copies of all reports required by this Board Order, and records of all data used to complete the application for this Board Order. Records shall be maintained for a minimum of three years from the date of the sample, measurement, or report. This period may be extended during the course of any unresolved litigation regarding this discharge or when requested by the Regional Board's Executive Officer.
18. All maintenance performed shall be reported with the monitoring reports as required.
19. The dischargers 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.
20. The dischargers shall obtain prior written approval from the Regional Board's Executive Officer specifying location and method of disposal, before disposing of treated or untreated sludge, or similar solid waste materials. In addition, the dischargers shall provide the results of any sludge analyses as specified by the Regional Board's Executive Officer.
21. The Regional Board's Executive Officer and the Director of the County Environmental Health Department shall be notified immediately of any failure of the wastewater containment facilities. Such failure shall be promptly corrected in accordance with the requirements of this Board Order.
22. The dischargers shall remove and relocate any wastes which are discharged at this site in violation of these requirements.
23. The Regional Board will review this Board Order periodically and may revise requirements when necessary.
24. All employees of this facility shall receive training on how to minimize pollutant discharges to the septic system. This instruction should include the following topics:
 - a. Proper disposal of materials handled at the facility.
 - b. Methods to wash tools and other objects so that no contaminants are introduced into the septic system.
 - c. Methods to wash hands so that no contaminants are introduced into the septic system.
25. The dischargers shall report any noncompliance which may endanger health or the environment. Any such information shall be provided verbally to the Regional Board's Executive Officer within 24 hours from the time the dischargers become aware of the circumstances. A written submittal shall also be provided within five days of the time the discharger becomes aware of the circumstances. The written submittal shall contain a description of the noncompliance and its cause; 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 steps taken or planned to reduce, eliminate, and prevent recurrence of the noncompliance. The Regional

Board's Executive Officer, or an unauthorized representative, may waive the written report on a case-by-case basis, if the oral report has been received within 24 hours.

26. All monitoring instruments and devices used by the discharger to fulfill the prescribed monitoring program shall be properly maintained and calibrated as necessary to ensure their continued accuracy.
27. Any off-site disposal of septage shall be only to a legal point of disposal, with the approval of the legal disposal site operator. For purposes of these requirements, a legal disposal site is one for which requirements have been established by the California Regional Water Quality Control Board and which is in full compliance therewith. Any septage handling shall be in such a manner as to prevent its reaching surface waters or watercourses.
28. The dischargers shall develop and implement a Storm Water Pollution Prevention Plan for this facility. The plan shall be submitted to the Regional Board's Executive Officer for review and approval no later than 90 days after adoption of 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 24, 1996.


Executive Officer

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

**MONITORING AND REPORTING PROGRAM NO. 96-005 (REVISION NO. 1)
FOR
EMERALD COVE PARTNERSHIP, OWNER
BRIAN JACKSON, OPERATOR
EMERALD COVE RESORT
SEPTIC TANK/OXIDATION BASIN DISPOSAL FACILITIES
Northeast of Earp - San Bernardino County**

Location of Discharge: Portion of NW 1/4 of Section 2, NE 1/4 of Section 3, T1N, R26E, and portion of SW 1/4 of Section 35, T2N, R26E, SBB&M

MONITORING

1. 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.
2. Compliance with the discharge limitations shall be determined at the end of the discharge pipe.
3. If the facility is not in operation, or there is no discharge during a required reporting period, the discharger shall forward a letter to the Regional Board indicating that there has been no activity during the required reporting period.
4. The dischargers shall submit the following information in an annual status report:
 - a. Estimate of maximum daily flow (gpd) of sewage discharged to system.
 - b. Number of RV spaces and restrooms connected to the sewerage system.
 - c. List any proposed changes in the sewage disposal facilities during the coming year.
 - d. Explain any problems in the sewage treatment and disposal systems during the preceding year.
 - e. Report the Total Dissolved Solids concentrations of the water supply wells nearest to the facility.

5. One of the oxidation/evaporation basins in use and one of the septic tanks shall be sampled annually during November each year. The samples shall be analyzed for the following:

<u>Constituent</u>	<u>Unit</u>	<u>Type of Sample</u>	<u>Sampling Frequency</u>
Total Dissolved Solids	mg/L ¹	Grab	Annually
Volatile Organics	µg/L ²	Grab	Annually
Nitrate as NO ₃ -N	mg/L	Grab	Annually
Total Nitrogen	mg/L	Grab	Annually
Hydrogen Ion	pH Units	Grab	Annually

MAINTENANCE AND INSPECTION

Septic tanks shall be inspected and pumped as described below:

<u>Parameter</u>	<u>Units</u>	<u>Type of Measurement</u>	<u>Minimum Inspection Frequency</u>
Sludge depth and scum thickness in each compartment of each septic tank	Feet	Staff Gauge	Annually
Distance between bottom of scum layer and bottom of outlet device	Inches	Staff Gauge	Annually
Distance between top of sludge layer and bottom of outlet device	Inches	Staff Gauge	Annually

¹mg/L - milligrams per Liter

²µg/L - micrograms per Liter

Septic tanks shall be pumped when any one of the following conditions exist, or may occur before the next inspection:

- a. The combined thickness of sludge and scum exceeds one-third of the tank depth of the first compartment; or
- b. The scum layer is within three inches of the outlet device; or
- c. The sludge layer is within eight inches of the outlet device

In lieu of septic tank measuring, the septic tank may be pumped annually.

REPORTING

1. The dischargers 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.
2. Records of monitoring information shall include:
 - a. The date, exact place, and time of sampling or measurement(s);
 - b. The individual(s) who performed the sampling or measurement(s);
 - c. The date(s) analyses were performed;
 - d. The individual(s) who performed the analyses;
 - e. The analytical techniques or method used; and
 - f. The results of such analyses.
3. 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 a fine and imprisonment for knowing violations."
4. A duly authorized representative of the dischargers 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.
5. Report immediately any failure in the waste disposal system to the Regional Board's Executive Officer and the Director of the County Environmental Health Department by telephone with follow-up by letter.

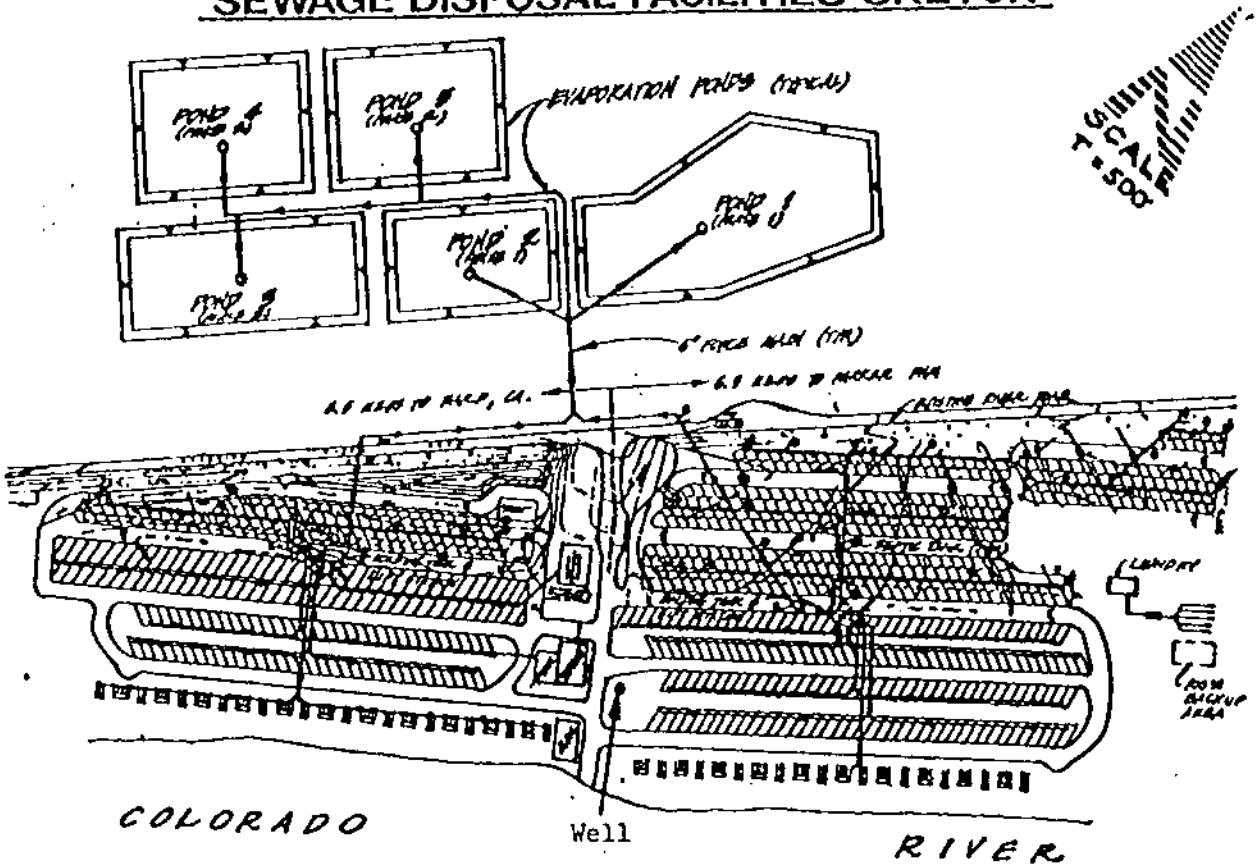
6. Monitoring reports shall be certified under penalty of perjury to be true and correct, and shall contain the required information at the frequency designated in this monitoring report.
7. Annual monitoring reports shall be submitted to the Regional Board by January 15 of each year.
8. Submit monitoring reports to:

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

Ordered by: Philip A. Grunberg
Executive Officer

4-27-98
Date

SEWAGE DISPOSAL FACILITIES SKETCH

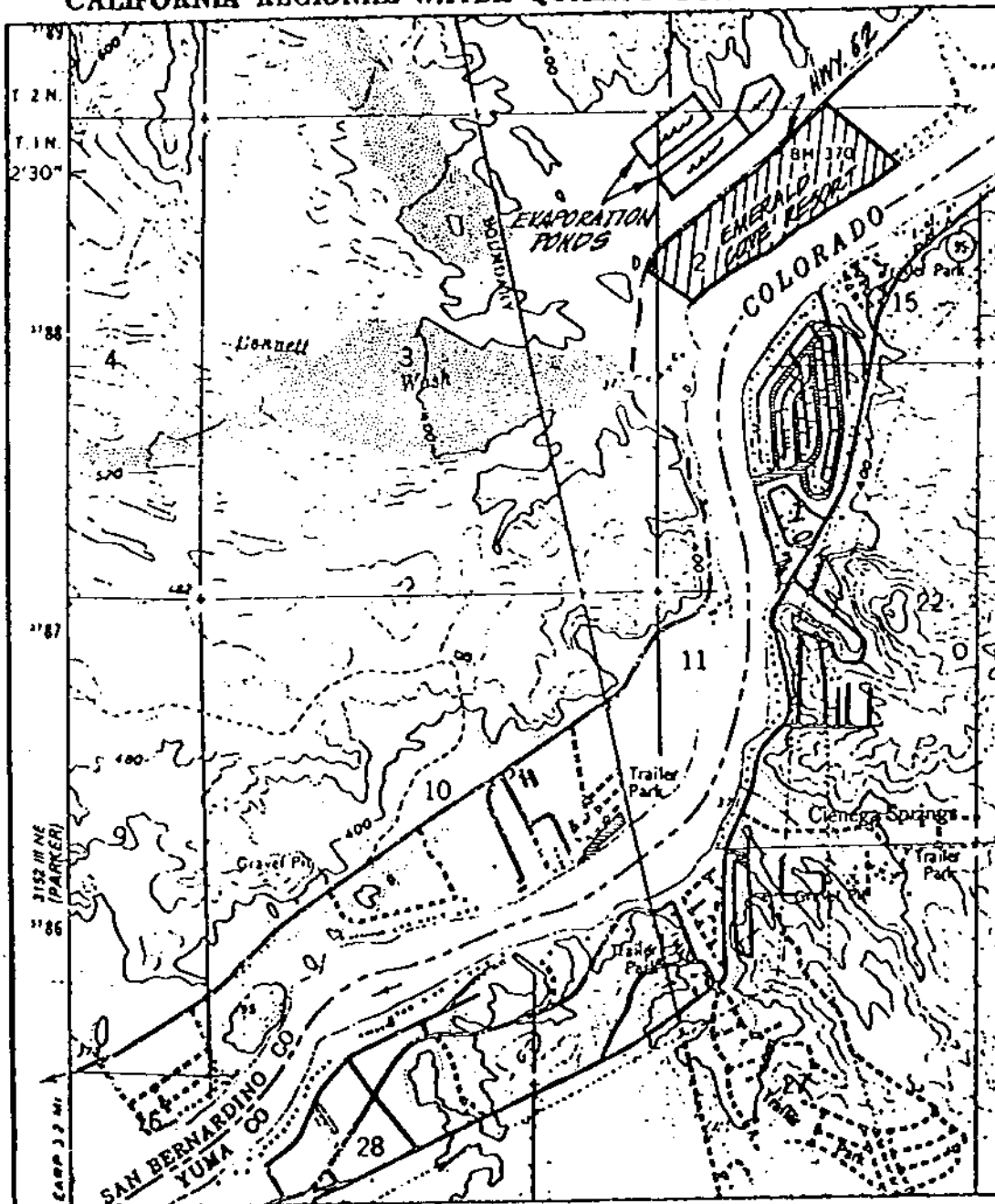


ATTACHMENT A

EMERALD COVE PARTNERSHIP, OWNER
 BRIAN JACKSON, OPERATOR
 EMERALD COVE RESORT
 SEPTIC TANK/OXIDATION BASIN DISPOSAL FACILITIES
 Northeast of Earp - San Bernardino County

Board Order No. 96-005

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD -7



SITE MAP

EMERALD COVE PARTNERSHIP, OWNER
BRIAN JACKSON, OPERATOR
EMERALD COVE RESORT
SEPTIC TANK/OXIDATION BASIN DISPOSAL FACILITIES
Northeast of Earp - San Bernardino County
Portion of NW 1/4 of Section 2, NE 1/4 of Section 3, T1N, R26E, and
Portion of SW 1/4 of Section 35, T2N, R26E, SBB&M
USGS Cross Roads 7.5 min. Topographic Map

Board Order No. 96-005