

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

ORDER NO. 91-001

WASTE DISCHARGE REQUIREMENTS
FOR
LA CASA DEL ZORRO
Borrego Springs - San Diego County

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

1. Copley Press, Inc. (hereinafter referred to as the discharger), 776 Wanhoe Avenue, P.O. Box 1530, La Jolla, California 82038-1530, the owner of La Casa Del Zorro, 3845 Yaqui Pass Road, Borrego Springs, California 92004, submitted a Report of Waste Discharge (ROWD) on May 4, 1990, for the subject site.
2. The site is currently subject to Cleanup and Abatement Order No. 88-064, which requires investigation and remediation of gasoline contaminated soil and ground water as a result of leaks from the facility's two 800 gallon underground storage tanks. The tanks were removed in July of 1987. The ROWD was submitted in order to facilitate disposal, via landscape irrigation, of treated ground water from site cleanup activities.
3. Ground water remediation at the site will continue until such time that the discharger is in full compliance with Cleanup and Abatement Order No. 88-64. Acceptable ground water cleanup methods are not restricted to those described in this Order.
4. Site investigations have included the drilling and sampling of four 100 foot deep soil borings, and the installation and sampling of 10 ground water monitoring wells, and 3 extraction wells. Although up to 13,000 ppm total petroleum hydrocarbons (TPH) (gasoline) existed at the base of the tank excavation, all of the samples analyzed from the four soil borings surrounding the pit were non-detect for TPH. Contaminated soil from the excavation was aerated and returned to the pit, but no report has been submitted to this office documenting the operation.
5. As of the most recent ground water sampling event (June 1989) seven of the 13 wells contained elevated (above State action levels) levels of benzene, toluene, ethylbenzene, and xylenes (BTEX). The highest levels were found in wells near the tank excavation, and included concentrations of benzene up to 76 $\mu\text{g}/\text{l}$.
6. Geology at the site consists of poorly consolidated, silty and gravelly sands, interbedded with gravel and clay layers. The depth to water in the vicinity of the tank excavation ranges from approximately 105 to 107 feet below grade. The dominant direction of ground water flow is to the west at about .039 feet/foot.

Rescinded
5-17-94
by Bd. Order
No. 94-053

7. The discharger proposes to treat contaminated ground water by the following method:
 - a. Extract ground water from the three extraction wells and place it, via a network of pipelines, into a permitted 15,000 gallon fiberglass holding/settling tank. The cumulative rate of extraction is projected to be approximately 30,000 gallons-per-day. As designed, the tank capacity will allow a residence time of approximately 12 to 16 hours, which will be sufficient for settleable material to be removed from the effluent.
 - b. From the holding/settling tank, the effluent will be pumped through a 5 micron particulate filter into a treatment system consisting of two granular activated carbon (GAC) canisters in parallel connection.
 - c. Following treatment, the effluent will be pumped into La Casa Del Zorro's existing irrigation system, which is completely separate from the domestic supply at the resort. Treated ground water will be used for the irrigation of lawns, flower beds, and shrubbery at La Casa Del Zorro (NW¼, NW¼, Section 23, T11S, R6E, SBB&M).
8. 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.
9. The beneficial uses of ground waters in the Anza-Borrego Hydrologic Unit are:
 - a. Municipal supply (MUN)
 - b. Industrial supply (IND)
 - c. Agricultural supply (AGR)
10. There is one municipal well within 500 feet of the proposed discharge, but the California Department of Health Services has determined that the discharge will not pose a threat to the well.
11. Contamination of ground water with gasoline will significantly impair the beneficial uses of the ground water.
12. The Board has notified the discharger and all known interested agencies and persons of its intent to prescribe waste discharge requirements for this discharge.
13. The Board in a public meeting heard and considered all comments pertaining to this discharge.
14. The maximum discharge limitations specified in this permit are based upon State Department of Health Services action levels, primary drinking water standards, the Environmental Protection Agency's Water Quality Criteria, and/or best available technology found (BP) economically feasible.
15. The issuance of waste discharge requirements for the discharge is categorically exempt from the provisions of Chapter 3 (commencing with Section 15000), Division 6, Title 14 (Natural Resources) of the California Code of Regulations pursuant to Section 15308 of that Chapter (Class 8: Actions by Regulatory Agencies for the Protection of the Environment).

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

A. Discharge Specifications

1. The treatment or disposal of wastes at this facility shall not cause pollution or nuisance as defined in Sections 13050(1) and 13050(m) of Division 7 of the California Water Code.
2. The discharge of treated ground water into the La Casa Del Zorro irrigation system only includes that ground water which has been extracted and treated at the site.
3. Treated ground water discharged into the La Casa Del Zorro irrigation system shall not contain concentrations of benzene, toluene, ethylbenzene, and total xylenes, beyond 1.0 $\mu\text{g}/\text{l}$, 100 $\mu\text{g}/\text{l}$, 680 $\mu\text{g}/\text{l}$, and 1750 $\mu\text{g}/\text{l}$ respectively.

B. Prohibitions

1. The discharge of any wastewaters to any surface waters or surface drainage courses is prohibited.
2. The discharge of wastewater containing any carcinogen or reproductive toxin listed by the Governor, pursuant to the Safe Drinking Water and Toxic Enforcement Act of 1986 Proposition 65, Health and Safety Code Sections 25249.5 through 25249.13, where such chemicals may pass into any source of drinking water is prohibited.

C. Provisions

1. Prior to, or during, implementation of the remediation program described in Finding No. 7 of this Board Order, an aquifer/well test(s) shall be conducted in order to determine the following:
 - a. The hydraulic characteristics of the aquifer; and
 - b. The number of extraction wells, and performance requirements thereof, necessary to create a capture zone which fully encompasses the ground water contamination plume.
2. The discharger shall maintain a copy of this Board Order at the site to be available at all times to site operating personnel.
3. The discharger shall comply with "Monitoring and Reporting Program No. 91-001", and future revisions thereto, as specified by the Regional Board's Executive Officer.
4. The discharger shall ensure that all site operating personnel are familiar with the content of this Board Order.
5. This Board Order does not authorize violation of any federal, state, or local laws or regulations.

6. 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.
7. 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.
8. The discharger shall notify the Regional Board if any activity by the discharger has occurred or will occur which would result in the discharge of any pollutant which is not limited 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. 91-001
FOR
LA CASA DEL ZORRO
Borrego Springs - San Diego County

Location of Discharge: NW $\frac{1}{4}$, NW $\frac{1}{4}$, Section 23, T11S, R6E, SBB&M

EFFLUENT MONITORING

Effluent samples shall be collected downstream from the last connection through which wastes can be admitted into the La Casa Del Zorro irrigation system. Samples should be representative of the volume and nature of the discharge. Time of collection of a grab sample shall be recorded. Effluent wastewater shall be monitored for the following parameters and the results reported to the Regional Board:

<u>Constituent</u>	<u>Unit</u>	<u>Type of Sample</u>	<u>Sampling Frequency</u>
Flow	GPD	---	Continuous flow readings: Report average daily flow based on weekly total.
EPA 602 for: Benzene Toluene Ethylbenzene Xylene(s)-total	$\mu\text{g}/\text{l}$	Grab	Daily for the first five days of operation; monthly thereafter.

INFLUENT MONITORING

Extracted ground water shall be monitored for the following parameters prior to any treatment, and the results reported to the Regional Board.

<u>Constituent</u>	<u>Unit</u>	<u>Type of Sample</u>	<u>Sampling Frequency</u>
Flow	GPD	---	Continuous flow readings: Report average daily flow based on weekly total.
EPA 602 for: Benzene Toluene Ethlybenzene Xylene(s)-total	$\mu\text{g}/\text{l}$	Grab	Daily for the first 5 days of operation; monthly thereafter.

REPORTING

Monthly monitoring reports shall be submitted to the Regional Board by the 15th day of the succeeding month for the first six months. Thereafter, the monitoring data shall be submitted quarterly by January 15th, April 15th, July 15th, and October 15th.

Submit monitoring reports to:

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

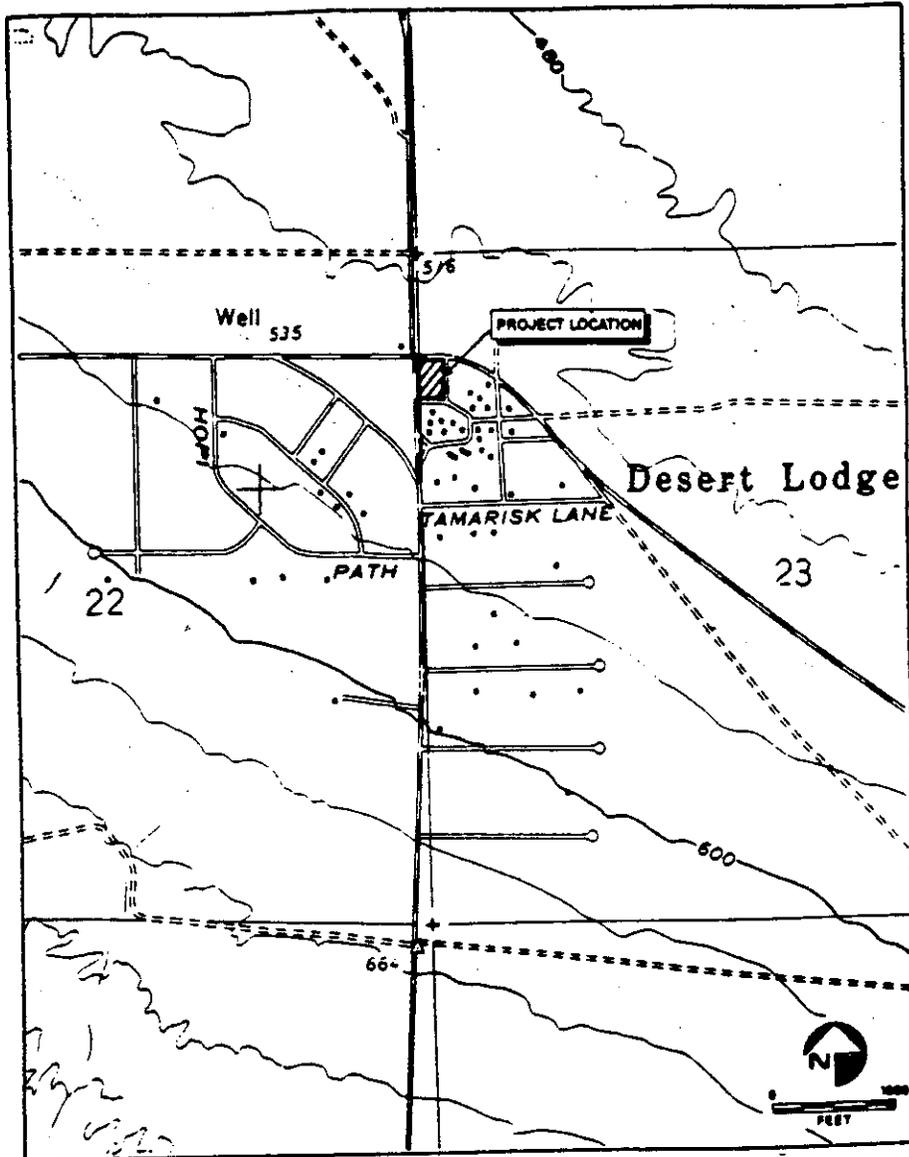
ORDERED BY:

Philip A. Grunberg
Executive Officer

January 16, 1991

Date

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD - 7



SITE MAP

LA CASA DEL ZORRO
Borrego Springs - San Diego County
NW $\frac{1}{4}$, NW $\frac{1}{4}$, Section 23, T11S, R6E, SBB&M

Board Order No. 91-001