

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

ORDER NO. 92-020

WASTE DISCHARGE REQUIREMENTS
FOR
COUNTY OF SAN BERNARDINO, REGIONAL PARKS DEPARTMENT
PARK MOABI MARINA
Southeast of Needles - San Bernardino County

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

1. San Bernardino Regional Parks Department (hereinafter referred to as the discharger), with facilities located at Park Moabi, Park Moabi Road in Needles, California, 92363, submitted a Report of Waste Discharge dated February 28, 1992.
2. Site investigations show that the ground water beneath the site has been polluted by dissolved petroleum hydrocarbons. The pollution is the result of an unauthorized release of unknown quantities of gasoline fuels which was reported June 8, 1987.
3. Ground water data from monitoring wells installed on-site indicates that plumes of dissolved and free product exists underneath the site. The lateral and vertical extent of the plumes has been defined.
4. The discharger has proposed to begin cleanup of the polluted ground water by operating an on-site recovery system. Based on the design criteria and the data from the ground water investigation, it is probable that the proposed cleanup system will remediate all polluted ground water. The performance of the cleanup system will be evaluated to determine if any additional extraction wells or treatment will be required.
5. This site is subject to Cleanup and Abatement Order No. 88-069, issued on March 24, 1988 by the Regional Board's Executive Officer.
6. The discharger proposes to treat contaminated ground water by the following methods.
 - a. Placing a Redi-Flow Grunfos pump in two extraction wells to develop a cone of depression sufficient to encapsulate the identified groundwater contaminant plume. These pumps will deliver an average flow of up to 30 gallons-per-minute (gpm) from each well.
 - b. At the treatment site, the delivered effluent would be treated by an air stripping tower, a particulate filter, and carbon absorption canisters.
 - c. The groundwater would then be discharged to the existing irrigation water supply pond. Treated groundwater will be used for the irrigation

of lawns, flower beds, shrubbery and fire suppression, located in the SW $\frac{1}{4}$ of the NE $\frac{1}{4}$ of Section 6, T7N, R24E, SBB&M.

7. The Water Quality Control Plan for the Colorado River Basin Region of California was adopted 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 Piute Hydrologic Unit are:
 - a. Municipal supply (MUN)
 - b. Industrial supply (IND)
 - c. Agricultural supply (AGR)
9. The beneficial uses of the waters in the Colorado River and associated lakes and reservoirs are:
 - a. Municipal and Domestic Supply (MUN)
 - b. Agricultural Supply (AGR)
 - c. Aquaculture (AQ)
 - d. Industrial Service Supply (IND)
 - e. Ground Water Recharge (GWR)
 - f. Water Contact Recreation (REC I)
 - g. Noncontact Water Recreation (REC II)
 - h. Warm Water Habitat (WARM)
 - i. Cold Water Habitat (COLD)
 - j. Wildlife Habitat (WILD)
 - k. Hydropower Generation (POW)
 - l. Preservation of Rare, Endangered or Threatened Species (RARE)
10. 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 economically feasible.
11. 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 15107 of that Chapter (Class 8: Actions by Regulatory Agencies for the Protection of the Environment).
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.

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 groundwater into the Park Moabi irrigation pond shall only include that groundwater which has been extracted and treated at the site.
3. Treated ground water discharge into the Park Moabi Marina irrigation pond shall not contain concentrations of benzene, toluene, ethylbenzene, and total xylene, beyond 1.0 $\mu\text{g/L}$, 100 $\mu\text{g/L}$, 680 $\mu\text{g/L}$, and 1750 $\mu\text{g/L}$ respectively.

B. Prohibitions

1. 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.
2. The discharge of any wastewaters or surface runoff to any surface waters or surface drainage courses is prohibited.
3. The discharge of any wastewaters on treated effluents to land not owned by the discharger is prohibited.

C. Provisions

1. The discharger shall maintain a copy of this Board Order at the site to be available at all times to site personnel.
2. The discharger shall ensure that all site operating personnel are familiar with the contents of this Board Order.
3. The discharger shall ensure that the existing irrigation water supply pond receiving the treated effluent has sufficient capacity.
4. This Board Order does not authorize violation of any federal, state, or local laws or regulations.
5. The discharger shall comply with "Monitoring and Reporting Program No. 92-020", and future revisions thereto, as specified by the Regional Board's Executive Officer.
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 May 13, 1992.

Philip A. Gruenberg
Executive Officer

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

MONITORING AND REPORTING PROGRAM NO. 92-020
FOR
COUNTY OF SAN BERNARDINO REGIONAL PARKS DEPARTMENT
PARK MOABI MARINA
Southeast of Needles - San Bernardino County

Location of Discharge: SW $\frac{1}{4}$, NE $\frac{1}{4}$ of Section 6, T7N, R24E, SBB&M.

EFFLUENT MONITORING

Treated ground water discharged into the Park Moabi's Irrigation pond shall be monitored for the following constituents. All samples shall be taken between 6 a.m. and 6 p.m. A sampling station shall be located where representative samples of the effluent can be obtained.

<u>Constituent</u>	<u>Unit</u>	<u>Type of Sample</u>	<u>Sampling Frequency</u>
Flow	GPD ¹	---	Continuous flow readings: Report average daily flow based on weekly total.
EPA 602 for: Benzene Toluene Ethylbenzene Xylene(s) - total	μ g/L ²	Grab	Daily for the first five days of operation; monthly thereafter.
Lead	mg/L	Grab	Daily for the first five days of operation; monthly thereafter.
TPH ³	μ g/L	Grab	Daily for the first five days of operation; monthly thereafter.

¹ GPD = Gallons per Day

² μ g/L = Micrograms per liter

³ TPH = Total Petroleum Hydrocarbon

INFLUENT MONITORING

Extracted ground water shall be monitored for the following constituents immediately prior to any treatment. All samples shall be taken between 6 a.m. and 6 p.m.

<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	µ g/L	Grab	Daily for the first five days of operation; monthly thereafter.
Lead	mg/L	grab	Daily for the first five days of operation; monthly thereafter.
TPH	µ g/L	grab	Daily for the first five days of operation; monthly thereafter.

REPORTING

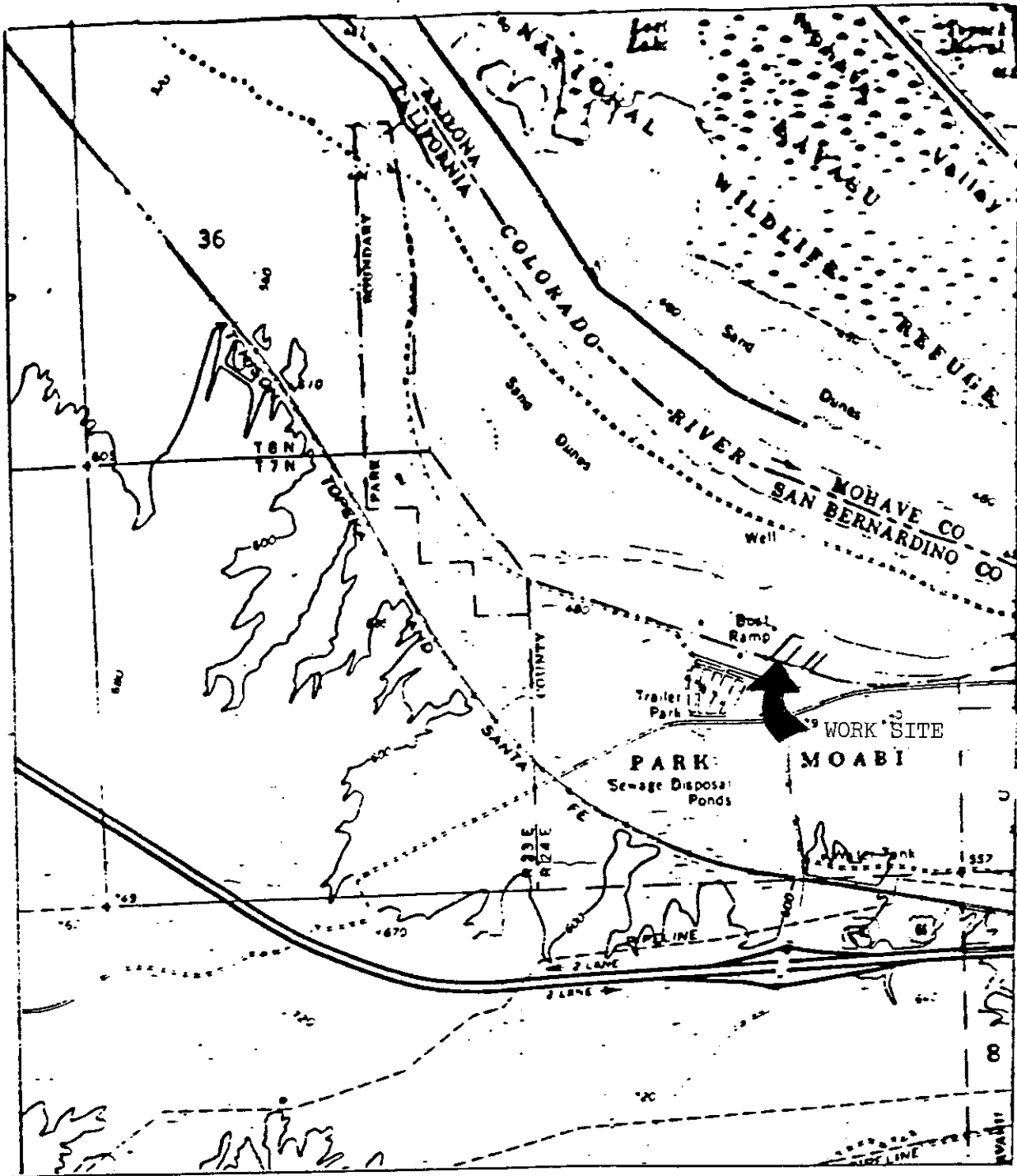
Monthly monitoring reports shall be submitted to the Regional Board by the 15th day of the following month.

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. Gruenberg
Executive Officer

May 13, 1992
Date



Scale: 1" = 2,000"

SITE MAP

COUNTY OF SAN BERNARDINO, REGIONAL PARKS DEPARTMENT
PARK MOABI MARINA

Southeast of Needles - San Bernardino County
SW $\frac{1}{4}$, NE $\frac{1}{4}$, of Section 6, T7N, R24E, SBB&M
USGS Whale Mt. 7.5 Min. Topographic Map