

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

ORDER NO. 90-055

WASTE DISCHARGE REQUIREMENTS
FOR
UNOCAL CORPORATION
El Centro - Imperial County

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

1. Unocal Corporation (hereinafter referred to as the discharger), 15621 Redhill Avenue, Suite 100, Tustin, CA 92680, owner of Unocal Marketing Station located at 241 Orange Avenue, El Centro, California, submitted a Report of Waste Discharge on July 9, 1990.
2. On September 27, 1986 the Regional Board received a complaint report regarding the release of diesel fuel, from a leaking underground pipe line at the Unocal Marketing Station in El Centro, to the underlying soil and ground water. The latest estimate, determined by the discharger, of the amount released is 7,500 to 10,000 gallons.
3. The discharger began recovery of the free product (diesel floating on the ground water table) in late 1986 and continues to the present.
4. Cleanup and Abatement Order No. 87-58 was issued against the discharger.
5. The fluids extracted have been a mixture of diesel and ground water which is stored on site then removed and disposed of by a licensed hazardous waste hauler.
6. The ratio of ground water to diesel fuel in the fluids extracted has reached a point where it is no longer feasible to dispose of the entire mixture off-site; therefore on-site treatment and disposal is now a consideration. These requirements are for the disposal of the treated water by percolation to the ground water within the contaminated area and recycling by treatment and re-percolation until the free product is completely removed.
7. The discharger proposes to pump from 2 to 5 gpm of the contaminated ground water through an oil/water separator followed by carbon absorption for treatment before disposal.
8. The clay soils in the area have a very low permeability therefore to optimize percolation rates the discharger proposes to construct a gallery, which consists of a perforated pipe placed horizontally within a trench, for disposal of the treated wastewater.

RESCINDED BY
BOARD ORDER NO. 00-139 11/8/00

CHANGE NAME / OWNERSHIP
BY BOARD ORDER NO. 99-003

1/13/99

9. 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.
10. The beneficial uses of ground waters in the Imperial Hydrologic Unit are:
 - a. Municipal supply (MUN)
 - b. Industrial supply (IND)
11. The better quality ground water occurs in the easternmost and westernmost portions of the hydrologic unit. However, within the central Imperial Valley, where the discharge will take place, the quality of the ground water is generally inferior and variable ranging in total dissolved solids (TDS) from below 3,000 mg/l to levels of around 30,000 mg/l. Analyses of ground water samples, taken from three shallow wells at the site in 1986, range from 12,800 to 21,700 mg/l TDS.
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 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).

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

A. Specifications

1. Wastes discharged shall be limited to treated ground water, as described in Findings No. 6 and 7, above.
2. The concentration of benzene in the treated wastewater disposed by percolation to the ground water shall not exceed 1 μ g/l
3. 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.

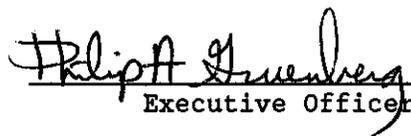
B. Prohibitions

1. The discharge of any wastewater to surface waters or surface drainage courses is prohibited.

C. Provisions

1. The discharger shall comply with "Monitoring and Reporting Program No. 90-055", 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.
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.
5. This Board Order does not authorize violation of any federal, state, or local laws or regulations.

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 September 19, 1990.



Executive Officer

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

MONITORING AND REPORTING PROGRAM NO. 90-055
FOR
UNOCAL CORPORATION
El Centro - Imperial County

Location of Discharge: Section 5, T16S, R14E, SBB&M

The discharger shall monitor and report the following to the Regional Board:

MONITORING

1. Prior to and after treatment, extracted ground water shall be monitored for flow, total petroleum hydrocarbon, benzene and conductivity:
 - a. Daily for the first week of continuous operation.
 - b. Weekly for the following month.
 - c. Monthly for the following six months.
 - d. Quarterly thereafter (if conditions warrant).

REPORTING

1. Quarterly progress report with the following information:
 - a. Volume of free product recovered.
 - b. Product thickness in the monitoring wells.
 - c. Depth to ground water in the monitoring wells.
 - d. General condition of recovery system.
2. The monitoring reports shall be submitted to the Regional Board by the 15th day of the following month and the quarterly reports by January 15, April 15, July 15 and October 15 of each year.

Submit monitoring and progress reports to:

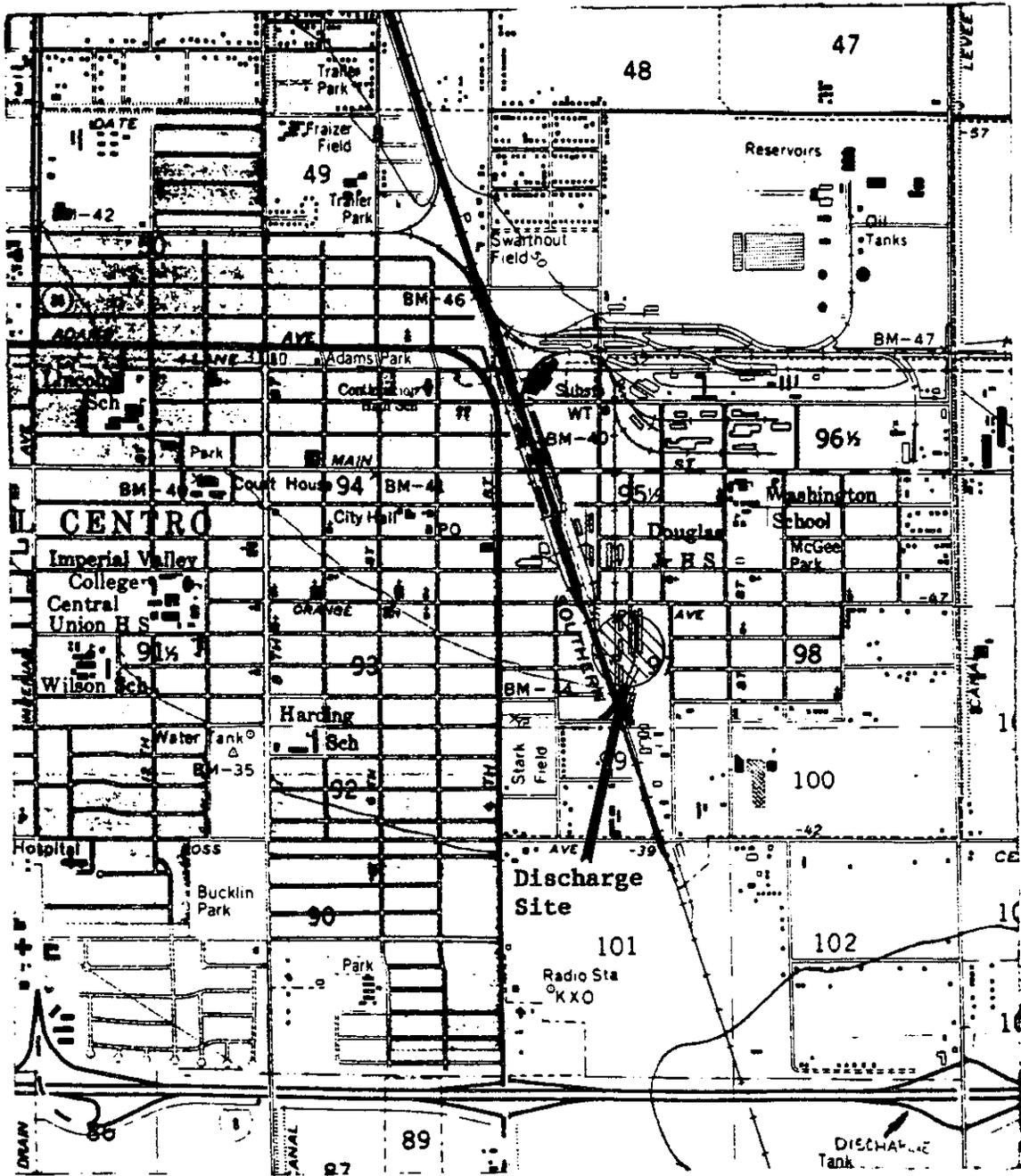
California Regional Water Quality Control Board
Colorado River Basin Region
73-271 Highway 111, Suite 21
Palm Desert, CA 92260

ORDERED BY:

Philip A. Guenberg
Executive Officer

September 19, 1990

Date



SITE MAP

UNOCAL CORPORATION
El Centro - Imperial County
Section 5, T16S, R14E, SBB&M



Board Order No. 90-055