

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

ORDER NO. 88-85

WASTE DISCHARGE REQUIREMENTS
FOR
DOUTHITT STEEL AND SUPPLY, INC.
El Centro - Imperial County

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

1. Douthitt Steel & Supply, Inc., State Corporate No. 153243-2, (hereinafter also referred to as the discharger), P. O. Box 220, El Centro, CA 92244, verified to be accurate the updated information in Findings No. 2 and 3 of this Order on March 25, 1988 via its oxygen and acetylene plant manager.
2. The discharger is discharging a maximum of 400 gallons-per-day of industrial wastewater from its oxygen and acetylene plant into two unlined earthen evaporation basins for final disposal. The basins are located in the E $\frac{1}{2}$ of the NW $\frac{1}{4}$ of the NW $\frac{1}{4}$ of Section 4, T16S, R14E, SBB&M.
3. The discharger reports that the discharged wastewater has a pH of 12.3, a settleable solids content of 700 ml/l and total dissolved solids content of 2755 mg/l. At the oxygen and acetylene plant, the wastewater is generated in the form of lime slurry, when acetylene gas is produced by mixing calcium carbide with water. The lime slurry is discharged to the basins where the lime settles to the bottom leaving the clear water to mostly evaporate. Occasionally, the wastewater from the basins is mixed with other water and used for dust control on plant site. When sufficient lime sludge has accumulated in the basins, the sludge is removed and sold as a product to Superior Lime, a company in Long Beach, California.
4. The Water Quality Control Plan for the Colorado River Basin Region of California was adopted by the Board on November 14, 1984.
5. The Basin Plan delineates the location of said discharge to be in the Imperial Hydrologic Unit. Ground water at some locations of this hydrologic unit is known to have the following beneficial uses:
 - a. Municipal supply
 - b. Industrial supply

However, shallow and deep ground waters in the vicinity of the discharge are saline and not beneficially used.

6. California Code of Regulations, Title 22, Chapter 30, Section 66708 (a)(1) defines a waste or a material to be corrosive and hazardous if it is aqueous and has a pH less than or equal to 2, or greater than or equal to 12.5, or its mixture with an equivalent weight of water produces a solution having a pH less than or equal to 2, or greater than or equal to 12.5.

*Revised
9/16/92*

7. The discharger reports that the wastewaters described in Findings No. 2 and 3 of this Order do not contain substances that would qualify the wastes to be toxic or hazardous in accordance with the criteria set forth in Sections 66680, 66696, 66699, 66702, 66708, Title 22 of the California Code of Regulations.
8. In accordance with Finding No. 7 above, the said discharged wastewater is exempt from the provisions of Section 2511, Subchapter 15, Chapter 3, Title 23 of the California Code of Regulations.
9. This discharge has been subject to waste discharge requirements adopted in Board Order No. 79-25.
10. The purpose of this Order is to update the waste discharge requirements of Board Order No. 79-25.
11. The Board has notified the discharger and interested agencies and persons of its intent to update waste discharge requirements for the discharge.
12. The Board in a public meeting heard and considered all comments pertaining to the existing discharge.
13. These waste discharge requirements govern an existing facility, which the discharger is currently operating, and therefore is exempt from the provisions of the California Environmental Quality Act in accordance with Section 15301, Chapter 3, Title 14 of the California Code of Regulations.

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

A. Discharge Specifications

1. Neither the treatment nor the discharge of wastewater shall create pollution or nuisance as defined in Division 7 of the California Water Code.
2. A minimum depth of freeboard of at least two (2) feet shall be maintained in the evaporation basins.
3. 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.
4. Discharge of wastewater having a pH greater than or equal to 12.5 or less than or equal to 2, including other hazardous or toxic materials in the wastewater, is prohibited.
5. The land disposal of lime sludge at the plant site is prohibited. The lime sludge may be disposed of only at an approved solid waste disposal facility.

B. Provisions

1. The discharger shall comply with the "Monitoring and Reporting Program No. 88-85, and future revisions thereto, as specified by the Executive Officer.

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

MONITORING AND REPORTING PROGRAM NO. 88-85
FOR
DOUTHITT STEEL AND SUPPLY, INC.
El Centro - Imperial County

Location of Discharge: E $\frac{1}{2}$ of the NW $\frac{1}{4}$ of the NW $\frac{1}{4}$ of Section 4, T16S, R14E, SBB&M

MONITORING

Lime wastewater discharged to the two (2) earthen basins shall be monitored for the following:

1. Estimated volume of daily discharge in gallons-per-day (gpd), and reported once per year as a calculated average value in gpd.
2. The amount of the lime sludge removed from the basin in tons-per-year, and the method and location of its disposal.
3. The pH of the discharge shall be monitored as indicated below:

<u>Constituent</u>	<u>Type</u>	<u>Sampling Frequency</u>
pH at 25°C	Grab	Once every 6 months (or 2-times per-year)

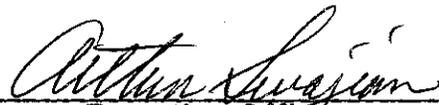
The collection, preservation and holding time of the samples shall be in accordance with the U.S. Environmental Protection Agency's (EPA) recommended method for the above constituent. The laboratory performing the sample analyses shall be certified by the State of California, Department of Health Services or by this Regional Board Office.

REPORTING

Annual reports shall be submitted to the Regional Board by January 15th of each year to:

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

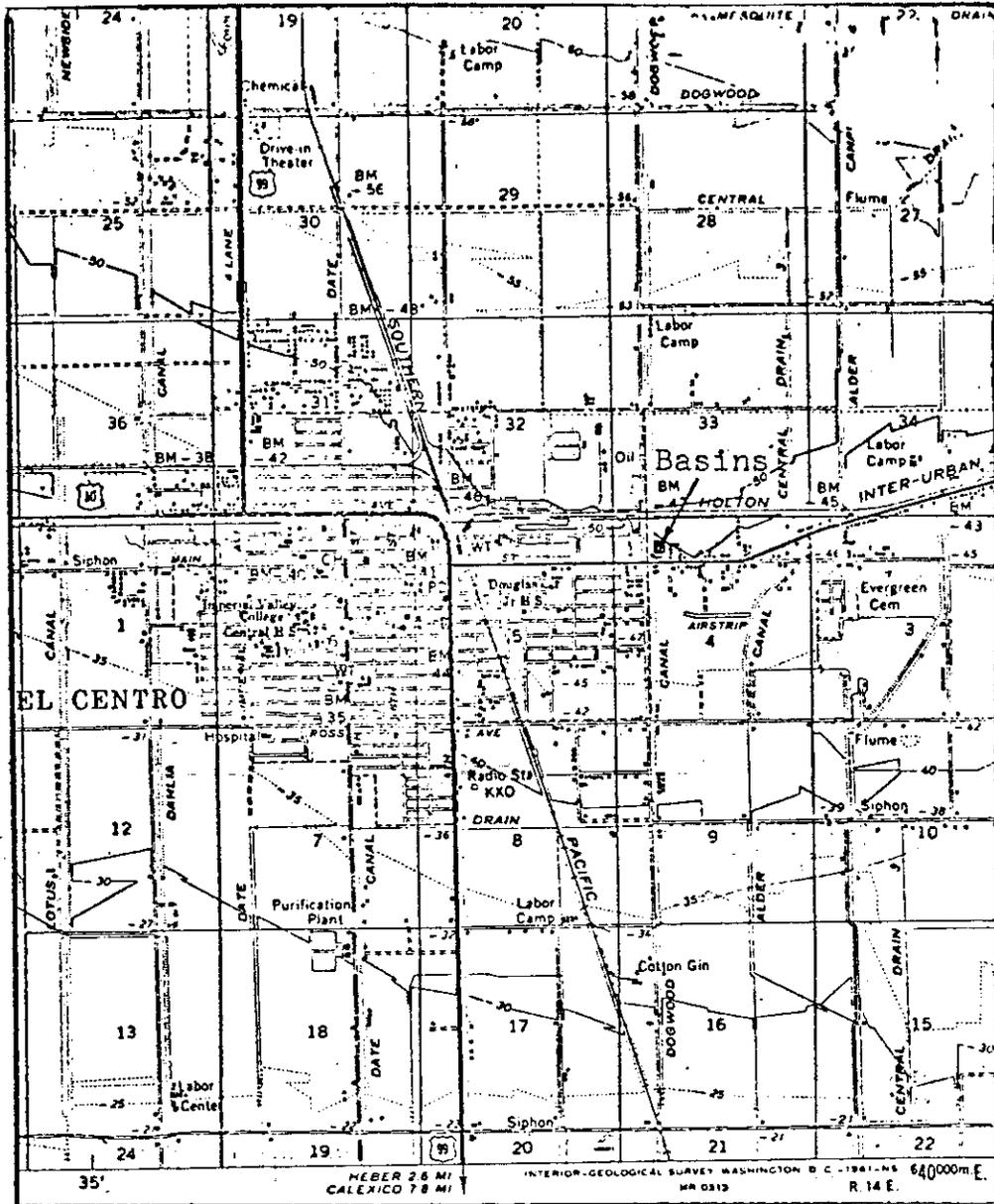
ORDERED BY:


Executive Officer

SEP 22 1988

Date

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD - 7



SITE MAP

DOUTHITT STEEL AND SUPPLY, INC.
El Centro - Imperial County

E½, NW¼, NW¼ of Section 4, T16S, R16S, R14E, SBB&M
USGS Brawley 15 min. Topographic Map

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