

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

ORDER NO. 78-3

WASTE DISCHARGE REQUIREMENTS
FOR
SOUTHERN CALIFORNIA GAS COMPANY
BLYTHE COMPRESSOR STATION
Blythe - Riverside County

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

1. Southern California Gas Company (hereinafter also referred to as the discharger), P. O. Drawer EEE, Indio, CA 92201, submitted a report of waste discharge dated September 12, 1977.
2. The discharger is discharging from a natural gas compressor station as follows:
 - a. Approximately 18,000 gallons-per-day of wastewater from a cooling tower and 1,500 gallons-per-day of swimming pool backwash wastewater are discharged into a 3-acre basin for final disposal by evaporation and infiltration. Treatment of cooling tower blowdown water involves adding boron nitrate to reduce corrosion, chlorine to control algae, and sulfuric acid to lower the pH to about 5.5.
 - b. Approximately 8,000 gallons-per-day of wastewater from zeolite-brine softener regenerative cycles are discharged alternately to one of three basins that total 6 acres for final disposal by evaporation and infiltration.
 - c. Domestic sewage from 9 residential houses and plant restrooms is discharged through septic tanks to leach lines.
3. The wastewater discharged to the 9 acres of basins supports a thickly vegetated wildlife habitat.
4. The location of the compressor station disposal basins is in the SW $\frac{1}{4}$ of the SE $\frac{1}{4}$ of Section 35, T6S, R22E, SRB&M.
5. The discharges from this facility have been subject to waste discharge requirements adopted in Board Resolution No. 67-17.

*replaced
88-095*

6. The Water Quality Control Plan for the East Colorado River Basin was adopted on April 10, 1975. The Basin Plan contains water quality objectives for Colorado Hydrologic Unit.
7. The beneficial uses of the groundwaters of the Colorado Hydrologic Unit are: Municipal Supply, Industrial Supply, and Agricultural Supply. However, shallow groundwaters in the local area are saline due to crop irrigation, and eventually enter irrigation drains which flow to Colorado River.
8. The Board has notified the discharger and interested persons and agencies of its intent to update waste discharge requirements for the discharge.
9. The Board in a public meeting heard and considered all comments pertaining to the discharge.
10. This gas compressor station constitutes an ongoing project in accordance with provisions of the California Environmental Quality Act (Public Resources Code Section 21000 et seq.) and the State Guidelines because the governmental approvals on or after April 5, 1973, do not involve a greater degree of responsibility or control over such activity than the governmental approvals received prior to that date.

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 a pollution or a nuisance as defined in Division 7 of the California Water Code.
2. A minimum depth of freeboard of at least two feet shall be maintained in containment basins at all times.
3. There shall be no surface flow of wastewater away from the discharge facilities.
4. Toxic substances and chemicals which are deleterious to aquatic life and other wildlife shall not be discharged in the wastewater.
5. Chromates and other heavy metals shall not be discharged in the wastewater.
6. Adequate measures shall be taken to insure that flood or surface drainage waters do not erode or otherwise render the discharge facilities inoperable.

7. Domestic sewage shall not be combined with the above reported disposal of industrial wastewater.
8. Sewage effluent discharged subsurface shall be retained underground with no materials of sewage origin evident on the ground surface.
9. Adequate measures shall be maintained to assure that unauthorized persons and animal pets are effectively excluded from entry into the disposal area.
10. Wastewater with a total dissolved solids content in excess of 5,000 mg/l shall be discharged only to containment basins that have a permeability which does not exceed 1×10^{-8} cm/sec.
11. Upon abandonment of this facility, residual solids shall be removed from impervious containment basins and discharged at a disposal site approved by the Regional Board.

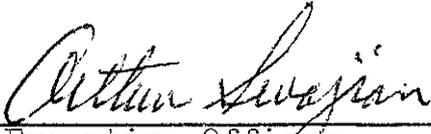
B. Provisions

1. The discharger shall notify the Board at least 30 days prior to any modification in this facility which could result in material change in the quality, quantity, or location of discharge.
2. In the event of any change in the ownership or control of the land upon which the discharge facilities are located, the discharger shall notify the succeeding owner in writing of the existence of this Order, and forward a copy of said communication to the Regional Board.
3. The discharger shall comply with the "Monitoring and Reporting Program No. 78-3", and future revisions thereto, as specified by the Executive Officer.
4. Prior to the discharge of wastewater into lined storage basins, the discharger shall submit to the Regional Board, a technical report showing the construction of said basins, and a certificate signed by a California Registered Civil Engineer stating that the basins are constructed to meet the requirements of this Order.
5. Specifications and provisions contained in this Order are effective immediately upon adoption except for Specification A.10 and Provision B.4, for which the discharger shall comply in accordance with the following time schedule to achieve full compliance:

<u>Task</u>	<u>Compliance Date</u>	<u>Report of Compliance Date</u>
Complete plans and specifications	July 1, 1978	July 15, 1978
Complete construction	December 1, 1978	December 15, 1978
Full compliance	January 1, 1979	January 15, 1979

6. This Order supersedes Resolution No. 67-17.

I, Arthur Swajian, Executive Officer, do hereby certify that 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 25, 1978.



 Executive Officer

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
 COLORADO RIVER BASIN REGION

MONITORING AND REPORTING PROGRAM NO. 78-3

FOR

SOUTHERN CALIFORNIA GAS COMPANY

BLYTHE COMPRESSOR STATION

Blythe - Riverside County

MONITORING

The discharger shall obtain a sample of wastewater discharged to each containment basin and report to the Regional Board concerning the following:

<u>Constituent</u>	<u>Unit</u>	<u>Type of Sampling</u>	<u>Sampling Frequency</u>
Boron (B)	mg/l	Grab	Annually
Chromium (Hexavalent)	mg/l	Grab	Annually
Calcium (Ca)	mg/l	Grab	Annually
Sulfate (SO ₄)	mg/l	Grab	Annually
Magnesium (Mg)	mg/l	Grab	Annually
Chloride (Cl)	mg/l	Grab	Annually
Potassium (K)	mg/l	Grab	Annually
Fluoride (F)	mg/l	Grab	Annually
Bicarbonate (HCO ₃)	mg/l	Grab	Annually
Sodium (Na)	mg/l	Grab	Annually
Nitrate (NO ₃)	mg/l	Grab	Annually
Total Dissolved Solids	mg/l	Grab	Monthly
Total Hardness	mg/l	Grab	Annually
pH	pH units	Grab	Annually
Electrical Conductivity	Micro-mhos/cm	Grab	Monthly

Cooling Tower and Swimming Pool Backwash Wastewater

Volume of Wastewater discharged to Basins	Gallons	Total Monthly Discharge	Quarterly
Total Surface Area of Wastewater in Basins	Acres		Quarterly

Zeolite-Brine Softener Regenerative Cycles

Volume of Wastewater discharged to Basins	Gallons	Total Monthly Discharge	Quarterly
Total Surface Area of Wastewater in Basins	Acres		Quarterly

At least 60 days prior to the removal and disposal of residual solids from impervious containment basins, the discharger shall request in writing Regional Board approval of the location of the proposed site for disposal of said wastes.

REPORTING

Annual monitoring reports shall be submitted to the Regional Board by the 30th day of January each year. Quarterly monitoring reports shall be submitted to the Board by the 15th of January, April, July and October of each year. Monthly monitoring reports shall be submitted by the 15th day of the following month.

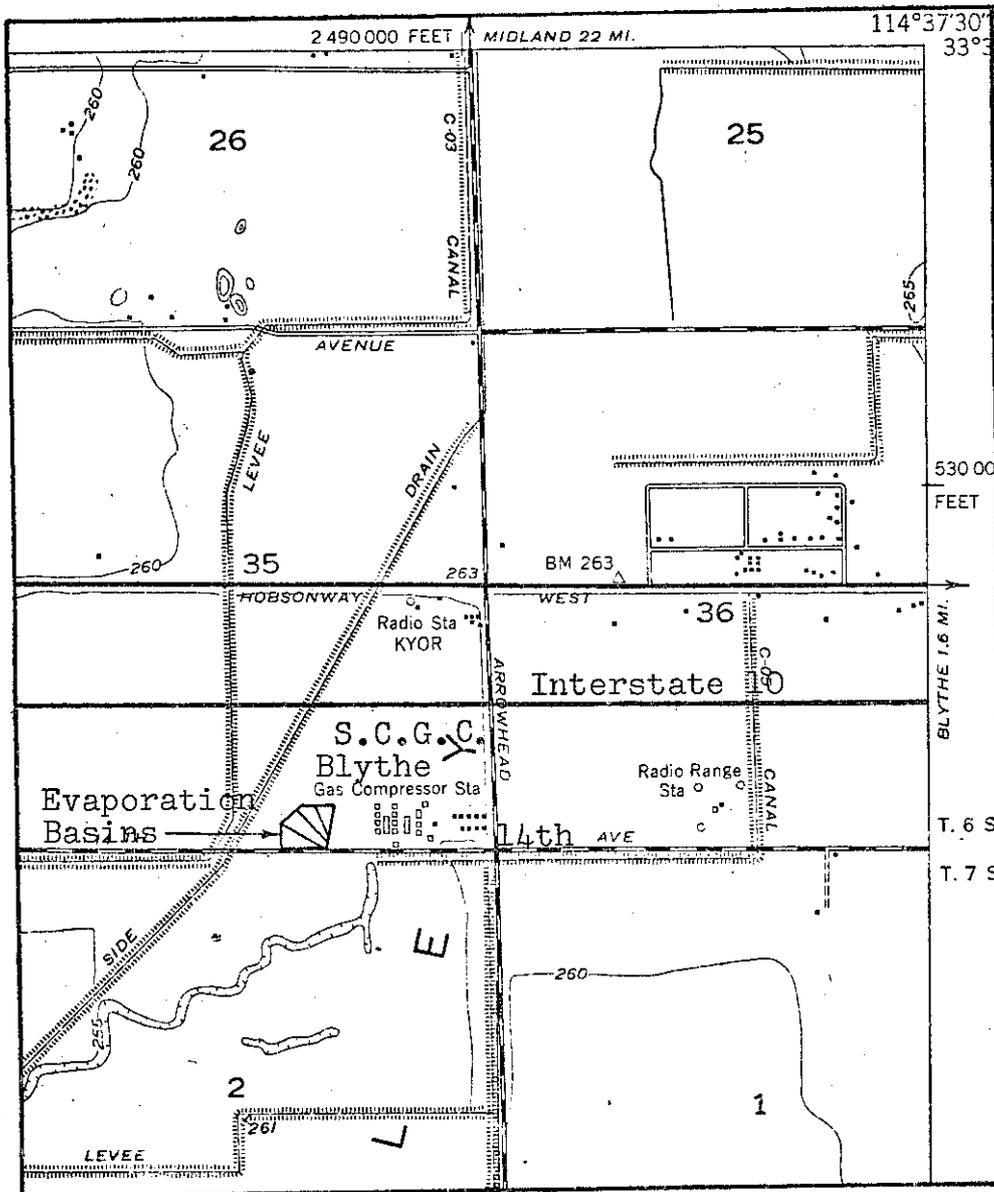
Forward monitoring reports to:

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

ORDERED BY *Arthur Lujan*
Executive Officer

January 25, 1978
Date

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD - 7



SITE MAP NO. 1

SOUTHERN CALIFORNIA GAS COMPANY
 BLYTHE COMPRESSOR STATION
 Blythe - Riverside County

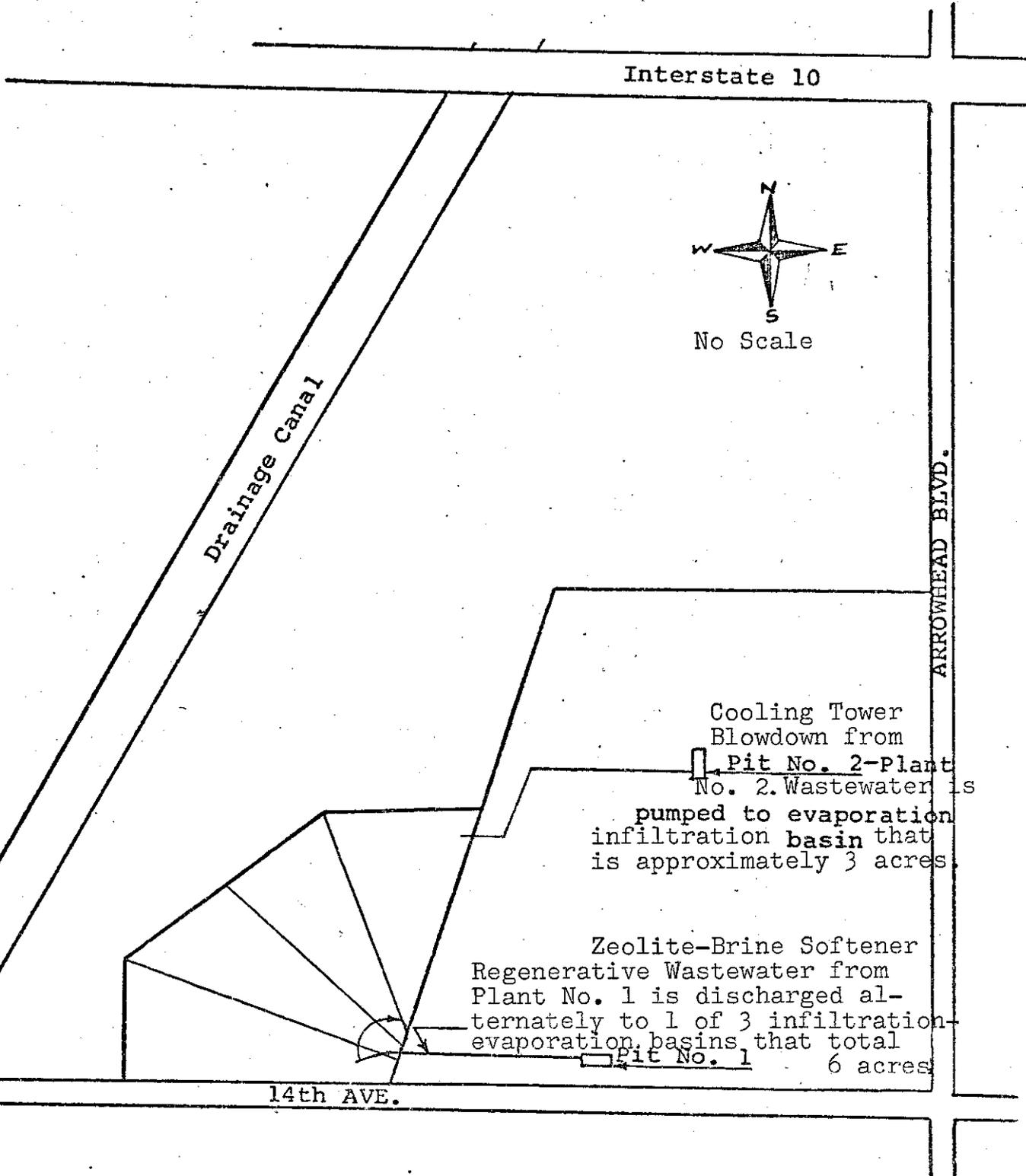
Location of Discharge: SW $\frac{1}{4}$ of SE $\frac{1}{4}$ of Section 35, T6S, R22E, SBB&M
 U.S.G.S. Ripley 7.5 min. Topographic Map

Order No. 78-3

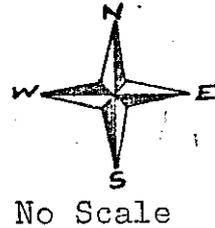
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD - 7

SOUTHERN CALIFORNIA GAS COMPANY
BLYTHE COMPRESSOR STATION
Blythe - Riverside County

SITE MAP NO. 2



Interstate 10



Drainage Canal

ARROWHEAD BLVD.

Cooling Tower
Blowdown from
Pit No. 2-Plant
No. 2. Wastewater is
pumped to evaporation
infiltration basin that
is approximately 3 acres.

Zeolite-Brine Softener
Regenerative Wastewater from
Plant No. 1 is discharged al-
ternately to 1 of 3 infiltration-
evaporation basins that total
6 acres.

14th AVE.