

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
COLORADO RIVER BASIN REGION

ORDER NO. 80-79

WASTE DISCHARGE REQUIREMENTS  
FOR  
COUNTY OF IMPERIAL  
BRAWLEY SOLID WASTE DISPOSAL SITE

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

1. County of Imperial (hereinafter also referred to as the discharger), Courthouse, El Centro, CA 92243, submitted a Report of Waste Discharge dated July 15, 1980. Supplemental information contained in the Report of Waste Discharge constitutes an Operation Plan pursuant to the California Administrative Code, Title 23, Chapter 3, Subchapter 15.
2. County of Imperial is discharging Groups 2 and 3 wastes in that portion of Tract 141, T13S, R14E, SBB&M lying South of the South bank of New River and that portion of Tract 199, T13S, R14E, SBB&M being that portion of Parcel "B" of L.S. Map 9-33 lying NW of the East bank of New River as shown in Attachment "A" incorporated herein and made part of this Order. This property is owned by the County of Imperial.
3. County of Imperial operates the site as a landfill. The site presently receives residential/commercial refuse, tires, construction/demolition wastes, septic tank pumpings, chemical toilet wastes, and geothermal drilling muds.
4. The total capacity of the disposal site is 1,774,667 cubic yards with 1,197,967 cubic yards remaining available. Total site area is 52 acres.
5. Land within 1000 feet of this site is used for agriculture and manufacturing.
6. The Water Quality Control Plan for the West Colorado River Basin was adopted on April 10, 1975. The Basin Plan contains water quality objectives for Imperial Hydrologic Unit, and this order implements these objectives.

*Replaced by 88073*

7. Groundwaters at the site are saline and are not presently beneficially used. Shallow groundwaters in this area range in total dissolved solids content from 12,000 to 50,000 mg/l.
8. The beneficial uses of water in New River are:
  - a. Transport of dissolved solids to Salton Sea for agricultural soil salinity control.
  - b. Freshwater replenishment for Salton Sea.
  - c. Freshwater habitat for fish and wildlife.
  - d. Recreation - non-water contact.
9. Upon conformance with waste discharge requirements, this disposal site will meet the criteria contained in the California Administrative Code, Title 23, Chapter 3, Subchapter 15, for classification as a Class II-2 disposal site suitable to receive Group 2 and 3 wastes.
10. This discharge has been subject to waste discharge requirements adopted in Board Resolution No. 70-51.
11. The Board has notified the discharger and interested agencies and persons of its intent to prescribe waste discharge requirements for the proposed discharge.
12. The Board in a public meeting heard and considered all comments pertaining to the proposed discharge.
13. The disposal site constitutes an ongoing project in accordance with the provisions of the California Environmental Quality Act (Public Resources Code Section 21000 et seq.) and Title 23, California Administrative Code, Chapter 3, Subchapter 17, Section 2715, 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, County of Imperial shall comply with the following:

A. Discharge Specifications

1. The treatment or disposal of waste shall not cause pollution or a nuisance as defined in Sections 13050(1) and 13050(m) of the California Water Code.
2. Waste materials shall not be discharged outside the designated disposal area shown on Attachment "A".

3. Geothermal drilling muds, and chemical toilet wastes and septic tank pumpings shall each be discharged in separate disposal cells constructed separate from other Groups 2 and 3 refuse unless otherwise approved by the Executive Officer.
4. The disposal area shall be protected from any washout or erosion of wastes or covering material, and from inundation, which could occur as a result of floods having a predicted frequency of once in 100 years.
5. Dikes constructed to meet Discharge Specification No. 4 shall be protected to prevent erosion and sloughing of dikes by the New River.
6. Surface drainage from tributary areas, and internal site drainage from surface or subsurface sources shall not contact or percolate through Group 2 wastes discharged at the site.
7. Runoff from tributary, irrigated areas shall not be allowed to flow into Group 2 wastes or areas containing Group 2 wastes.
8. Group 2 wastes shall not be discharged on any surface which is less than five feet above the highest anticipated groundwater level.
9. No Group 2 wastes shall be placed in ponded water from any source whatsoever.
10. A minimum depth of freeboard of at least two feet shall be maintained in basins containing liquid wastes.
11. Group 1 wastes shall not be discharged at this site.
12. Only geothermal drilling muds which have extractable water containing a total dissolved solids concentration which is less than 6,000 mg/l, and not containing hazardous wastes\* as designated by the State of California Department of Health Services, may be discharged at this site.  
graded to promote lateral runoff precipitation and to prevent ponding.

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\*See Attachment B

15. The discharger shall remove and relocate any wastes which are discharged at this site in violation of these requirements.

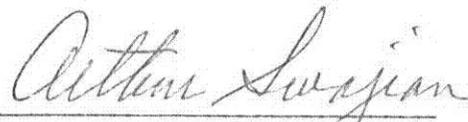
B. Prohibition

1. The discharge of waste to surface drainage courses is prohibited.

C. Provisions

1. The discharger shall file an updated operation plan with this Board when material changes in operations have been made, and a letter indicating conformance with existing plans and requirements shall be submitted annually. Said plan and letter shall be pursuant to the California Administrative Code, Title 23, Subchapter 15, Section 2552.
2. Prior to three years from closure of the total site, the discharger shall file a Site Closure and Maintenance Report with this Board pursuant to the California Administrative Code, Title 23, Subchapter 15, Section 2553.
3. Site Closure and Maintenance Reports shall conform to minimum Closure requirements set forth in the California Administrative Code, Title 23, Subchapter 15, Section 2553.2.
4. The discharger shall comply with "Monitoring and Reporting Program No. 80-79", and future revisions thereto, as specified by the Executive Officer.
5. The discharger shall maintain monuments identifying the limits of the disposal site and of each solid waste disposal area within the site.
6. The discharger shall maintain a copy of this order available at all times to site operating personnel.
7. This Order supersedes this Board's Resolution No. 70-51.

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 November 12, 1980.

  
Executive Officer

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
 COLORADO RIVER BASIN REGION

MONITORING AND REPORTING PROGRAM NO. 80-79 (REVISION NO. 1)  
 FOR  
 COUNTY OF IMPERIAL  
 BRAWLEY SOLID WASTE DISPOSAL SITE

Location of Discharge: Adjacent to the New River North of Brawley

MONITORING

<u>Item</u>	<u>Unit</u>	<u>Reporting Frequency</u>
1. Refuse discharged at the solid waste disposal site.	Cu.Yd./Quarter	Quarterly
2. Geothermal drilling mud discharged at the solid waste disposal site.	Gallons/Quarter	Quarterly
3. Representative samples of drilling mud, cuttings and geothermal fluid proposed for disposal at this Class II-2 solid waste disposal site, shall be analyzed for the following constituents and the results reported to the Regional Board prior to discharge:		To be received in the office of the Regional Board at least 2 working days prior to proposed discharge.
a. Arsenic and compounds	mg/kg	
b. Barium (excluding barite) and compounds	mg/kg	
c. Lead compounds, inorganic	mg/kg	
d. Lead compounds, organic	mg/kg	
e. Zinc compounds	mg/kg	
4. Septic tank pumpings and chemical toilet wastes discharged at the solid disposal site.	Gallons/Quarter	Quarterly
5. Any discharge of wastes other than those allowed in the specifications.	Type, volume, and exact location	Immediately upon becoming aware that the waste has been discharged.

REPORTING

Quarterly monitoring reports shall be submitted to the Regional Board by January 15, April 15, July 15 and October 15 of each year.

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:

Arthur Levajian  
Executive Officer

August 3, 1982  
Date

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
COLORADO RIVER BASIN REGION

MONITORING AND REPORTING PROGRAM NO. 80-79

FOR  
COUNTY OF IMPERIAL  
BRAWLEY SOLID WASTE DISPOSAL SITE

Location: Adjacent to the New River North of Brawley

MONITORING

The County of Imperial shall report to the Regional Board concerning the following:

<u>Item</u>	<u>Unit</u>	<u>Reporting Frequency</u>
1. Refuse discharged at solid waste disposal site.	Cu.Yd./Quarter	Quarterly
2. Geothermal drilling mud discharged at solid waste disposal site.	Gallons/Quarter	Quarterly
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b. Barium (excluding barite) and compounds	mg/kg	
c. Lead compounds, inorganic	mg/kg	
d. Lead compounds, organic	mg/kg	
e. Manganese compounds	mg/kg	
f. Zinc compounds	mg/kg	
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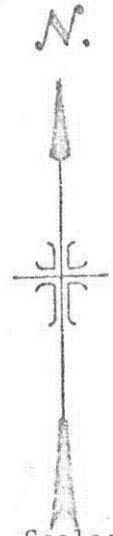
ORDERED BY: *Arthur Swajim*  
Executive Officer

November 12, 1980

Date

ATTACHMENT "A"

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD - 7



Scale:  
1" = 2,000'

SITE MAP  
BRAWLEY SOLID WASTE DISPOSAL SITE  
North of Brawley - Imperial County  
Sections 20, 21, 28, 29, T13S, R14E, SBB&M  
USGS Brawley and Westmorland 7.5 min. Topographic

Order No. 80-79

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
COLORADO RIVER BASIN REGION

ATTACHMENT B

Threshold Limit Concentrations for Persistent  
and Bioaccumulative Toxic Substances

Drilling mud, cuttings, and other geothermal wastes containing the following substances having concentrations equal to or greater than those listed below are designated as hazardous by the State of California Department of Health Services.

	<u>Soluble Threshold Limit mg/kg</u>	<u>Total Threshold Limit net weight mg/kg</u>
1. Arsenic and compounds	5	50
2. Barium (excluding barite) and compounds	100	1,000
3. Lead compounds, inorganic	5	50
4. Lead compounds, organic	--	13
5. Manganese compounds	100	1,000
6. Zinc compounds	17	170