

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

ORDER NO. 89-021

WASTE DISCHARGE REQUIREMENTS
FOR
COUNTY OF SAN DIEGO
BORREGO SPRINGS WASTE MANAGEMENT FACILITY
East of Borrego Springs - San Diego County

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

1. The County of San Diego (hereinafter referred to as the discharger), 5555 Overland Avenue, San Diego, California 92123, submitted a report of waste discharge dated January 12, 1989, and current information to update the waste discharge requirements for an existing Class III landfill east of Borrego Springs.
2. The Borrego Springs Waste Management Facility (WMF) is located in the NW $\frac{1}{4}$, SW $\frac{1}{4}$, Section 6, T11S, R7E, SBB&M. This property is owned by the County of San Diego, 5555 Overland Avenue, San Diego, CA 92123 and operated by the County of San Diego, Department of Public Works, Solid Waste Division. The location of the WMF is shown in Attachments A and B incorporated herein and made part of this Order.
3. The WMF has been subject to waste discharge requirements under Board Order 83-80. The waste discharge requirements are being updated to comply with Section 13263 of the California Water Code, and to incorporate the applicable provisions of Subchapter 15, Chapter 3, Title 23 of the California Code of Regulations.
4. The discharger submitted a technical report entitled "Periodic Site Review Report for the Borrego Springs Landfill" dated January 1989 containing technical information on the site and operational data including some of the technical information required in said Subchapter 15. The remainder of the information required in Subchapter 15 will be submitted with the Solid Waste Assessment Test (SWAT) report due by July 1, 1991 as required by Section 13273 of the California Water Code and in accordance with a time schedule included in the provisions of this Order.
5. Subsequently, the facility will be reviewed for appropriate classification, in accordance with the criteria set forth in said Subchapter 15 for Class III landfills, at the time the SWAT report is reviewed. This will be based on the technical data contained in the SWAT report and other relevant information.
6. The SWAT work will include installation of ground water monitoring wells which will be used to determine background water quality of the

*Adopted
9-15-93
Amended
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93-071*

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Borrego Springs
Landfill
1-8-98*

ground water in the proximate area of the facility from a minimum of one year's sampling, after which the Regional Board may revise this Order to set numerical limitations on water quality constituents for protection of the ground water from the effects of the WMF. The revised Order will also include the detection and verification monitoring programs and the corrective action program required in Section 2551 of said Subchapter 15.

7. The discharger discharges 46 tons per day of non-hazardous solid waste as defined in said Subchapter 15. The site has a design capacity of 800,000 cubic yards, of which approximately 490,00 cubic yards are remaining. Total site area is 42.04 acres. It has an estimated life of 16 years.
8. The discharger operates the WMF as a landfill utilizing the trench method of disposal. The site presently receives residential refuse, commercial refuse, demolition wastes and agricultural wastes.
9. The site is underlain by recent alluvium which consists of unconsolidated gravel, sand, silt and clay. Ground water flow direction in the vicinity of the site is toward the southeast.
10. Well No. 11S/6E-12G1, approximately one mile southwest of the site, reported a depth of 37 feet in March of 1971. Well No. 11S/6E-1C1, approximately one mile northwest of the site, reported a depth of 59 feet in November of 1980.
11. Analyses of ground water samples collected from Well No. 11S/6E-1C1 indicates a total dissolved solids content of 624 mg/l.
12. Land within 1,000 feet of this site is zoned for residential use, civic (essential services and fire protection services) use, and agricultural use. It is at present natural desert. The nearest dwelling is 4 miles to the west.
13. The average annual rainfall for the general vicinity of the site is 4 inches. Rains occur mostly during the months of October through April. Heavy thunderstorms may occur during the summer months causing flash flooding in the area.
14. The site is protected by an estimated 20 foot high diversion dike. The dike has two arms, one parallel to a wash north of the site and the other extending in a southeasterly direction protecting the northeast side of the site (as shown on Attachment A). The County reports the structure will provide a 300 percent safety factor for a 100 year storm.
15. The Coyote Creek Fault passes approximately one mile northeast of the site.
16. Coyote Creek passes approximately one mile west of the site. Stream flow in the creek occurs as intermittent runoff in the winter.

17. The Water Quality Control Plan for the Colorado River Basin Region of California was adopted by the Regional Board on November 14, 1984.
18. The Basin Plan contains water quality objectives for Borrego Hydrologic Subarea. The beneficial uses of ground water of the Borrego Hydrologic Subarea are:
 - a. Municipal supply
 - b. Industrial supply
 - c. Agricultural supply
19. The Board has notified the discharger and interested agencies and persons of its intent to update waste discharge requirements for the discharge.
20. The Board in a public meeting heard and considered all comments pertaining to the existing discharge.
21. In accordance with Section 15301, Chapter 3, Title 14, of the California Code of Regulations, the issuance of these waste discharge requirements, which govern the operation of an existing facility involving negligible or no expansion of use beyond that previously existing, is exempt from the provisions of the California Environmental Quality Act (Public Resources Code, Section 21000 et seq.).

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

A. Discharge Specifications

1. The treatment or disposal of waste shall not cause pollution or nuisance as defined in Section 13050 of the California Water Code.
2. Wastes shall be discharged only into waste management units specifically designed for their containment and shall be confined to the waste management facility as shown in Attachment A.
3. Waste material shall not be discharged on any surface which is less than five feet above the highest anticipated ground water level.
4. The discharge shall not adversely affect water quality for designated beneficial uses.
5. The waste management units shall be designed, constructed, operated and maintained to prevent inundation or washout due to floods from a 100-year, 24-hour storm.
6. Surface drainage from tributary areas, and internal site drainage from surface or subsurface sources, shall not contact or percolate through the wastes discharged at this site.

7. The exterior surfaces of the disposal area including the intermediate and final landfill covers shall be graded and maintained to promote lateral runoff of precipitation and to prevent ponding.
8. The discharger shall remove and relocate any wastes which are discharged at this site in violation of these requirements.
9. Solid waste shall not be placed in ponded water.

B. Prohibitions

1. The discharge or deposit of hazardous waste (as defined in said Subchapter 15) at this site is prohibited.
2. The discharge or deposit of designated waste (as defined in said Subchapter 15) at this site is prohibited.
3. The discharge of liquid or semi-solid waste (i.e., waste containing less than 50 percent solids) to the landfill units is prohibited.
4. The discharge of waste to surface waters, surface water drainage courses or to ground waters is prohibited.
5. The discharge or deposit of waste to land not owned or controlled by the discharger is prohibited.

C. Provisions

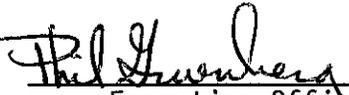
1. The discharger shall maintain a copy of this Order at the site and make it available at all times to site-operating personnel.
2. The discharger shall notify the Regional Board, in writing, of any proposed change in ownership or responsibility for construction or operation of the waste management facility.
3. The discharger shall also notify the Regional Board in writing of a material change or proposed change in the character, location, or volume of waste discharged and of any proposed expansion plans. This notification shall be accompanied by an amended report of waste discharge and any additional information as may be required by the Regional Board's Executive Officer.
4. The discharger shall comply with "Monitoring and Reporting Program No. 89-021", and future revisions thereto, as specified by the Regional Board's Executive Officer.
5. The discharger shall maintain legible records on the volume and type of each waste discharged at the site. These records shall be available for review by representatives of the Board at any time during normal business hours. At the beginning of the post-closure maintenance period, copies of these records shall be sent to the Regional Board.

6. The discharger shall maintain visible monuments identifying the boundary limits of the entire waste management facility.
7. By October 1, 1989, the discharger shall submit to the Regional Board and to the State Department of Health Services for review and approval, a report describing a periodic load-checking program to be implemented by the discharger to ensure that wastes prohibited by this Order are not discharged to the disposal site.
8. By October 1, 1989, the discharger shall submit to the Regional Board, for approval by the Executive Officer, a plan and time schedule for compliance with the requirements of the following sections of said Subchapter 15:
 - a. Section 2551: Required Programs
 - b. Section 2555: General Ground Water Monitoring Requirements
 - c. Section 2595: Waste Management Unit Characteristics
 - d. Section 2596: Design Report and Operations Plan
9. One year prior to the anticipated closure of the facility or any unit (portion) thereof, the discharger shall submit to the Regional Board, for review and approval by the Executive Officer, a closure and post-closure maintenance plan in accordance with Section 2597 of said Subchapter 15.
10. The discharger shall immediately notify the Regional Board of any flooding, slope failure or other change in site conditions which could impair the integrity of waste containment facilities or of precipitation and drainage control structures.
11. In the event of any change in operation, or in control or ownership of land or waste disposal facilities owned or controlled by the discharger, the discharger shall:
 - a. Notify this Board of such change; and
 - b. Transmit a copy of this Order to the succeeding owner or operator, and file a copy of the transmittal letter with this Board.
12. The discharger shall comply with all applicable provisions of said Subchapter 15 that are not specifically referred to in this Order.
13. Annually, prior to the first day of November, any necessary erosion control measures shall be implemented and any necessary construction, maintenance, or repairs of precipitation and drainage control facilities shall be completed and a report thereof submitted to the Regional Board by November 15 of each year.
14. Water used for site maintenance shall be limited to amounts necessary for dust control.

15. This Order does not authorize violation of any federal, state or local laws and regulations.

IT IS FURTHER ORDERED that Board Order No. 83-80 be superseded by this Order.

I, Phil 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 March 22, 1989.



Executive Officer

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

MONITORING AND REPORTING PROGRAM NO. 89-021
FOR
COUNTY OF SAN DIEGO
BORREGO SPRINGS WASTE MANAGEMENT FACILITY
East of Borrego Springs - San Diego County

Location of Discharge: NW $\frac{1}{4}$, SW $\frac{1}{4}$, Section 6, T11S, R7E, SBB&M

WASTE MONITORING

The discharger shall monitor all wastes discharged to the disposal site and report to the Regional Board the following:

<u>Item</u>	<u>Reporting Unit</u>	<u>Frequency</u>
1. Refuse discharged	Cubic Yards	Quarterly
2. Any wastes discharged other than those allowed in the requirement	Type, volume & approximate location	Immediately upon becoming aware of the waste discharged
3. Landfill capacity remaining	Percent	Annually
4. Provision No. C.13	-	Annually

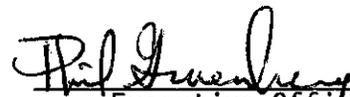
REPORTING

Quarterly monitoring reports shall be submitted to the Regional Board by January 15, April 15, July 15, and October 15 of each year. Annual reports shall be submitted by January 15 of each year. Monitoring reports shall be certified under penalty of perjury to be true and correct and shall contain the required information at the frequency specified in the monitoring program.

Submit monitoring reports to:

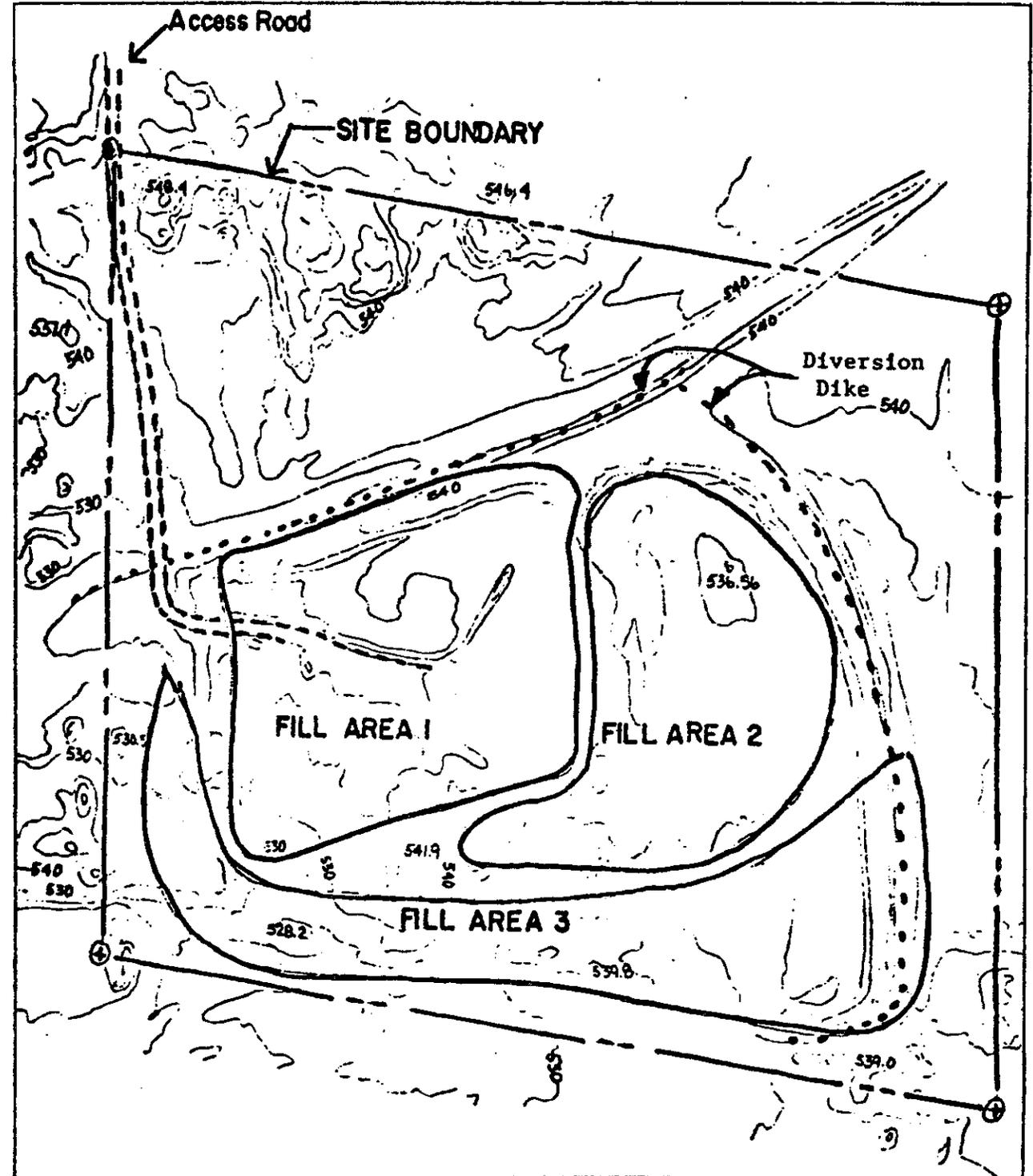
California Regional Water Quality Control Board
Colorado River Basin Region
73-271 Highway 111, Suite 21
Palm Desert, CA 92260

ORDERED BY:


Executive Officer

March 22, 1989
Date

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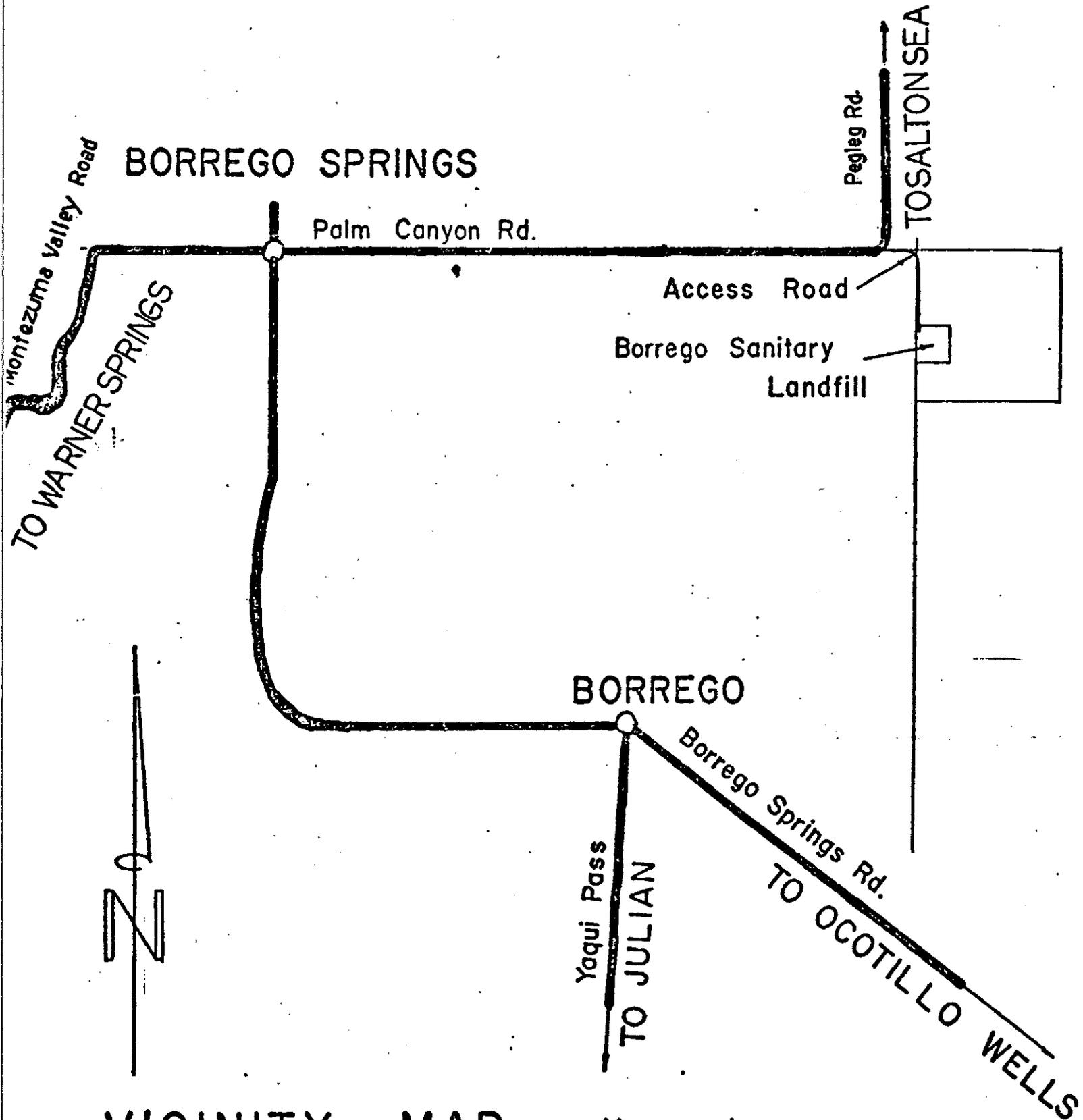
ATTACHMENT "A"

COUNTY OF SAN DIEGO
BORREGO SPRINGS WASTE MANAGEMENT FACILITY

NW¼, SW¼, Section 6, T11S, R7E, SBB&M

Order No. 89-021

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD - 7



VICINITY MAP No scale