

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

ORDER NO. 91-029

WASTE DISCHARGE REQUIREMENTS
FOR
COUNTY OF IMPERIAL
HOLTVILLE WASTE MANAGEMENT FACILITY
CLASS III LANDFILL
Near Holtville Airport - Imperial County

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

1. County of Imperial, (hereinafter also referred to as the discharger), 155 South 11th Street, El Centro, CA 92243, submitted current information to update the waste discharge requirements for the existing disposal facility. The disposal facility is located in the SW $\frac{1}{4}$ of the NW $\frac{1}{4}$, Section 13, T15S, R16E, SBB&M. This property is owned by the United States Government, with administration by the Bureau of Land Management (hereinafter also referred to as the discharger), 333 South Waterman Avenue, El Centro, CA and is operated by the County of Imperial.
2. The disposal facility has been subject to waste discharge requirements under Board Order No. 88-050. The waste discharge requirements are being updated to comply with Section 13263 of the California Water Code, and to incorporate the applicable provisions of Chapter 15, Division 3, Title 23 of the California Code of Regulations (hereinafter also referred to as Chapter 15).
3. The discharger submitted a technical report titled "Holtville Solid Waste Disposal Site; Report of Disposal Site Information for Five Year Permit Review", dated January 1988 containing technical information on the site and operational data including some of the technical information required in Chapter 15. A preliminary Solid Waste Assessment Test (SWAT) proposal was submitted in May, 1988. The discharger also submitted a Report of Waste Discharge dated January 8, 1991.
4. The SWAT proposal contains technical information describing the site hydrogeology, topography, disposal operation and waste classification. In view of the technical information regarding municipal landfills that has become available, it is appropriate that the Regional Board adopt revised requirements for the Holtville Waste Management Facility (WMF) to include more stringent requirements to protect the quality of the ground water in the vicinity of the site.

9-15-93
adopted
amended
order
93-071

Superseded by:
Board Ord. # 97-018
3/26/97

5. County of Imperial operates the site as a landfill.

The site presently receives:

- a. Residential refuse
 - b. Commercial refuse
 - c. Tires
 - d. Construction/Demolition wastes
 - e. Empty pesticide containers
6. A separate cell has been constructed to accept empty, triple-rinsed and punctured pesticide containers. The pesticide cell is enclosed by a six-foot fence with a locked gate. There is an attendant present during posted hours to accept pesticide containers.
 7. The site receives approximately 30 tons-per-day of non-hazardous solid waste, as defined by Chapter 15. The total capacity of the site is 654,000 cubic yards with 459,000 remaining. One hundred ninety-five thousand cubic yards of solid waste have been disposed of to date. It has an estimated life of 16 years. Total site area is 40 acres. Chicken-wire fencing is placed around the working area of the site to catch windblown litter.
 8. Waste is disposed of in cells approximately 80 feet wide and 900 feet long. Cells are excavated to a depth of about 12 feet below the original surface, with the excavated material used in the cover sequence. Waste is unloaded into the cell, then pushed up in 12-foot thick lifts. The waste is covered with a minimum of 6 inches of soil. After the cells are completely filled and covered, top elevations are about 3 feet higher than the original terrain.
 9. Land within 1,000 feet of this site is zoned for heavy industry; however, at present, it is natural desert.
 10. Shallow ground waters in this area range in total dissolved solids content from 1,000 to 3,000 mg/l. Depth-to-ground water is about 40 feet. This site is underlain by sandy soils and therefore has a high infiltration rate. The County has constructed berms to divert surface runoff around the site. Average annual rainfall is 2.92 inches.
 11. Zoning southwest of the disposal site is "Agricultural," zoned A-2. Zoning northeast of the disposal site is open desert.
 12. Attachments "A" and "B", which show the site layout, are part of this Board Order.
 13. It appears that the WMF characteristics are not sufficient to ensure protection of the quality of the ground water in the vicinity of the site. It is not feasible to remove the wastes already in place and retrofit the site with clay or synthetic liner and leachate collection and removal systems as specified in Article 4 of Chapter 15. New waste management units may be required to have adequate liner and leachate collection and removal systems pending the results of the SWAT verification work.
 14. 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.

15. The designated beneficial uses of ground waters in the Imperial Hydrologic Unit are:
 - a. Municipal supply (MUN)
 - b. Industrial supply (IND)
16. Within the Imperial Valley area of the Imperial Hydrologic Unit, much of the ground water is too saline for municipal use. The existing municipal use in this Unit is practically inconsequential.
17. The beneficial uses of waters in the Imperial Valley Drains are:
 - a. Fresh Water Replenishment of Salton Sea (FRSH)
 - b. Noncontact Water Recreation (REC II)
 - c. Warm Water Habitat (WARM)
 - d. Wildlife Habitat (WILD)
 - e. Preservation of Endangered or Threatened Species (END)
18. The Board has notified the discharger and all known interested agencies and persons of its intent to update waste discharge requirements for this discharge.
19. The Board in a public meeting heard and considered all comments pertaining to this discharge.
20. 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, that the discharger shall comply with the following:

A. Discharge Specifications

1. Pending evaluation of the SWAT investigation results, new solid waste management units constructed on top of virgin land (land which does not contain solid waste) may be required to have adequate liner and leachate collection and removal systems in accordance with Chapter 15.
2. 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.
3. Waste materials shall be confined to the waste management facility as described on the attached site maps.
4. Waste material shall not be discharged on any ground surface which is less than five feet above the highest anticipated ground water level.
5. This discharge shall not cause degradation of any water supply.

6. The waste management units shall be designed, constructed, operated, and maintained to prevent inundation or washout due to floods having a predicted frequency of once in 100 years.
7. 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.
8. 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.
9. The discharger shall provide a final cover for closure of the landfill units in conformance with the requirements of Chapter 15.
10. Triple-rinsed, punctured, empty pesticide containers, shall be discharged in separate waste management units constructed apart from Class III wastes. The pesticide disposal area shall be enclosed to prevent unauthorized access.
11. No solid waste shall be placed in ponded water.
12. The discharger shall remove and relocate any wastes which are discharged at this site in violation of these requirements.
13. Water used for site maintenance shall be limited to amounts necessary for dust control.
14. The discharger shall maintain a hazardous waste load checking program at the WMF. The discharger shall report the findings of said program in the quarterly monitoring reports submitted in accordance with Provision C.4 of this Board Order.

B. Prohibitions

1. The discharge or deposit of hazardous waste (as defined in Chapter 15) at this site is prohibited.
2. The discharge or deposit of designated waste (as defined in Chapter 15) at this site is prohibited unless approved by the Regional Board's Executive Officer.
3. The discharge of liquid or semi-solid waste (i.e., waste containing less than 50 percent solids) to the landfill units is prohibited unless approved by the Regional Board's Executive Officer.
4. The discharge of wastes 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.
6. The codisposal of incompatible wastes is prohibited.

C. Provisions

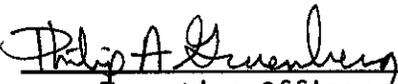
1. By December 1, 1991, the discharger shall design and construct a ground water monitoring system at the WMF in accordance with the criteria contained in Chapter 15.
2. The discharger shall maintain a copy of this Board Order at the site and make it available at all times to site-operating personnel.
3. 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. The discharger shall also notify the Regional Board of a material change in the character, location, or volume of the wastes discharged and of any proposed expansion of closure plans.
4. The discharger shall comply with "Monitoring and Reporting Program No. 91-029", 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 Regional 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. 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 Chapter 15.
8. 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.
9. In the event of any change in ownership of the disposal site, the discharger shall notify the succeeding owner or operator in writing of the existence of this Board Order. A copy of that notification shall be sent to the Regional Board.
10. The discharger shall comply with all applicable provisions of Chapter 15 that are not specifically referred to in this Board Order.
11. All containment structures and erosion and drainage control systems shall be designed and constructed under direct supervision of a California registered civil engineer and shall be certified by the individual as meeting the prescriptive standards and performance of Chapter 15.
12. The discharger shall maintain in good working order and operate as efficiently as possible any facility or control system installed by the discharger to achieve compliance with the waste discharge requirements.

13. This Board Order is subject to Regional Board review and updating, as necessary, to comply with changing state or federal laws regulations, policies, or guidelines, or changes in the discharge characteristics, in three-year increments from the effective date of this Board Order.

14. The Regional Board considers the property owner to have a continuing responsibility for correcting any problems which may arise in the future as a result of this waste discharge.

IT IS FURTHER ORDERED that Board Order No. 88-050 be superseded by this Board Order.

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 May 15, 1991.



Executive Officer

**CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION**

MONITORING AND REPORTING PROGRAM NO. 91-029
FOR
COUNTY OF IMPERIAL
HOLTVILLE WASTE MANGEMENT FACILITY
CLASS III LANDFILL
Near Holtville Airport - Imperial County

Location of Discharge: SW¼ of the NW¼, Section 13, T15S, R16E, 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>Reporting Frequency</u>
a. Solid waste discharged	Cubic Yards	Quarterly
b. Any wastes discharged other than those allowed in the requirements and in accordance with the hazardous waste load checking program	Type, Volume and Location	Immediately upon becoming aware that the waste has been discharged
c. Pesticide containers	Cubic Yards	Quarterly
d. Remaining capacity of the waste management facility	Cubic Yards	Quarterly

GROUND WATER MONITORING

The ground water monitoring wells shall be sampled quarterly during March, June, September and December. The samples shall be analyzed for the following:

<u>Parameters and Constituents</u>	<u>Units</u>	<u>Type of Sample</u>	<u>Sampling Frequency</u>
a. pH	Number	Grab	Quarterly
b. TDS	mg/l	Grab	Quarterly
c. COD	mg/l	Grab	Quarterly
d. Ground Water Elevations (USGS Datum)	Feet	Measurement	Quarterly
e. Volatile Organics (EPA Method 524.2)	mg/l	Grab	Quarterly
f. Semi-Volatile Organics (EPA Method 525)	mg/l	Grab	Quarterly
g. Chlorinated Pesticides (EPA Method 508)	mg/l	Grab	Quarterly

The collection, preservation and holding times of all samples shall be in accordance with EPA-approved methods. All analyses shall be conducted by a laboratory certified by the State Department of Health Services to perform the required analyses.

REPORTING

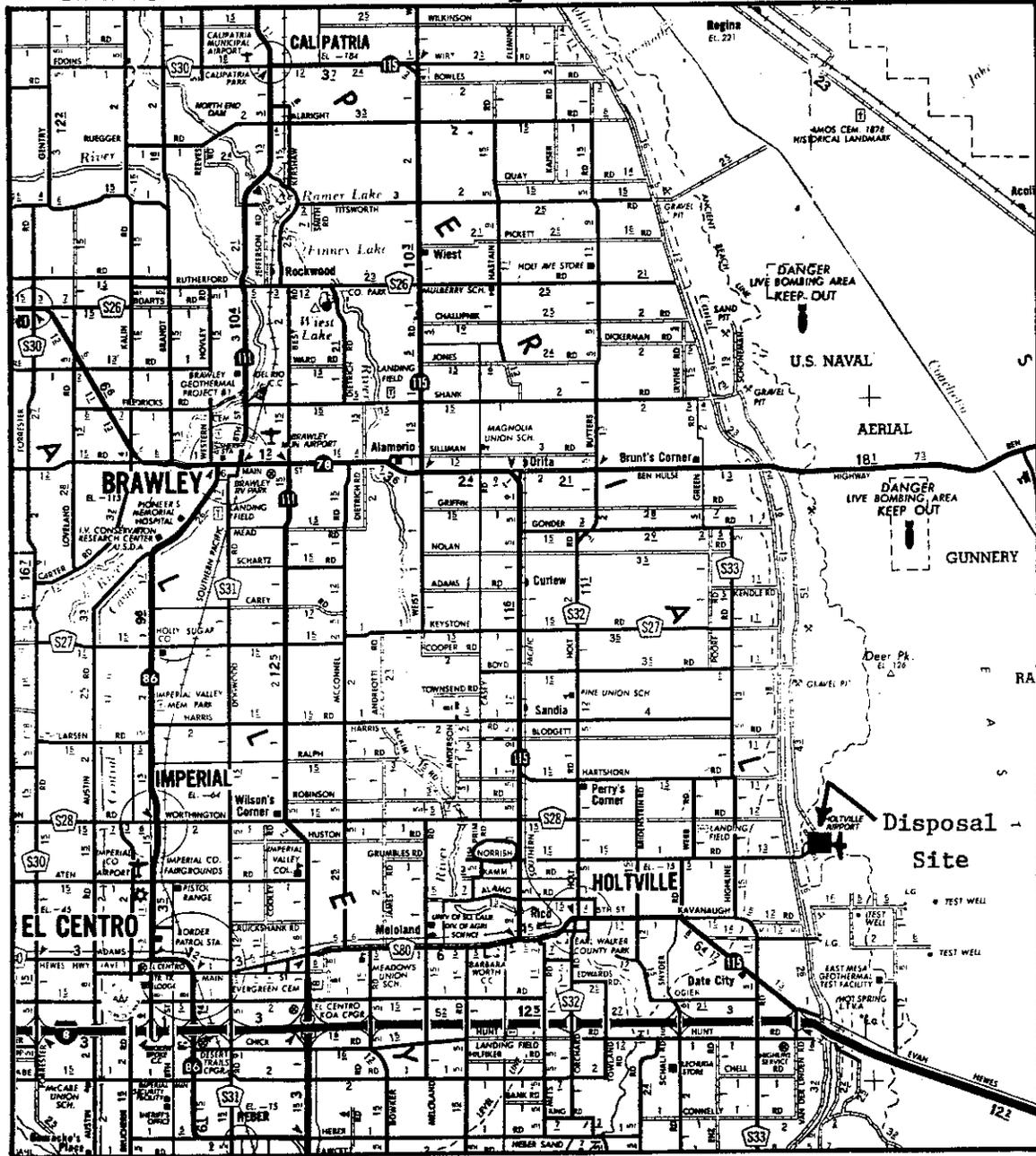
1. Quarterly monitoring reports shall be submitted to the Regional Board by January 15, April 15, July 15, and October 15 of each year.
2. The discharger shall arrange the data in tabular form so that the specified information is readily discernible. The data shall be summarized in such a manner as to clearly illustrate whether the waste management unit is operating in compliance with waste discharge requirements.
3. 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: Philip A. Gumenberg
Executive Officer

May 15, 1991
Date

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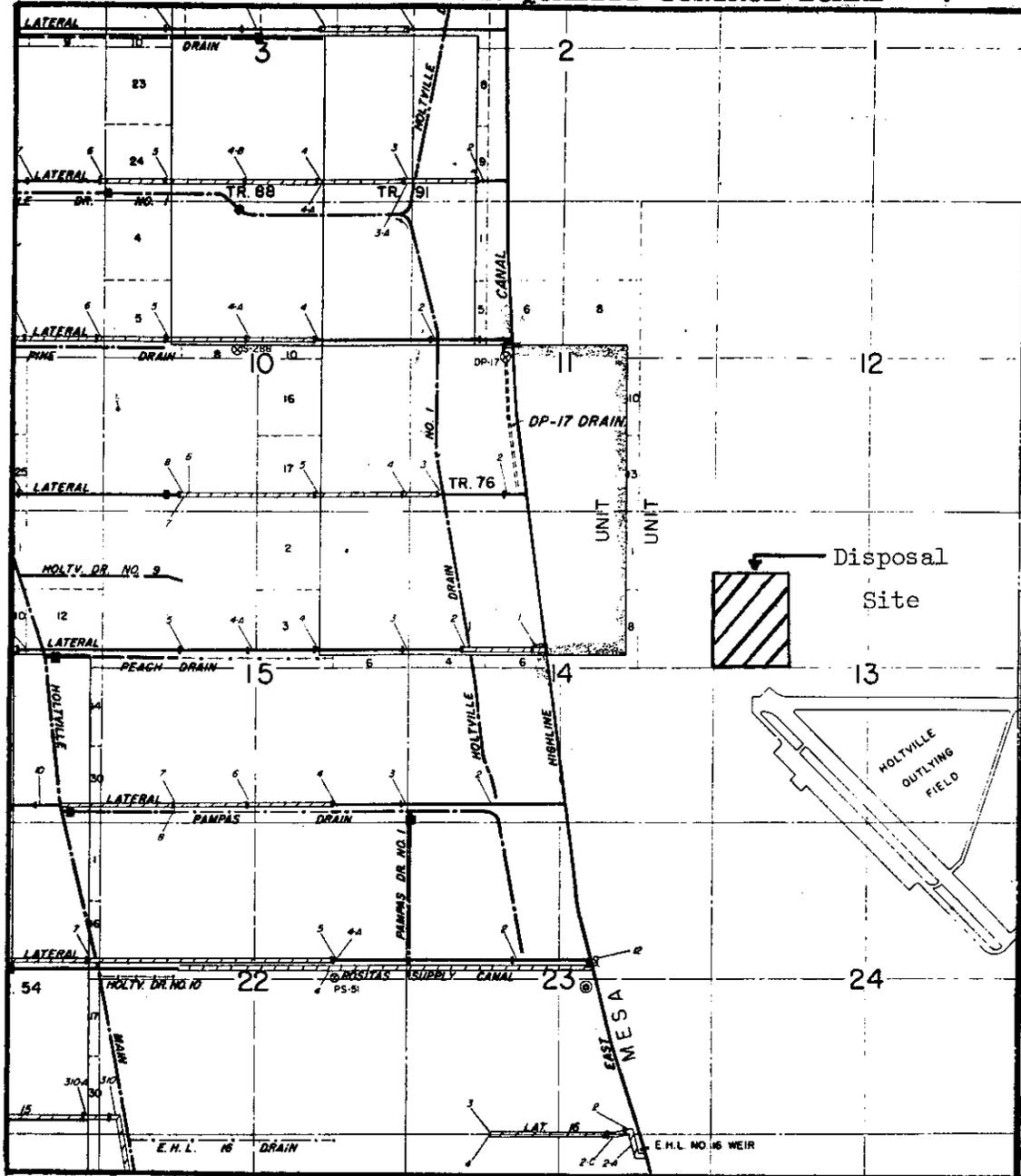


Scale:
1" = 4.5 mi.

ATTACHMENT A

COUNTY OF IMPERIAL
 HOLTVILLE WASTE MANAGEMENT FACILITY
 CLASS III LANDFILL
 Near Holtville Airport - Imperial County
 SW $\frac{1}{4}$ of the NW $\frac{1}{4}$ of Section 13, T15S, R16E, SBB&M

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD - 7



Scale:
1" = 3,000'

ATTACHMENT B

COUNTY OF IMPERIAL
 HOLTVILLE WASTE MANAGEMENT FACILITY
 CLASS III LANDFILL
 Near Holtville Airport - Imperial County
 SW $\frac{1}{4}$ of the NW $\frac{1}{4}$ of Section 13, T15S, R16E, SBB&M