

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

ORDER NO. 88-118

**WASTE DISCHARGE REQUIREMENTS
FOR
CITY OF NEEDLES
NEEDLES CLASS III WASTE MANAGEMENT FACILITY
South of Needles - San Bernardino County**

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

1. City of Needles (hereinafter also referred to as the discharger), 111 Bailey Avenue, P.O. Box 887, Needles, California 92326, submitted a Report of Waste Discharge on June 9, 1988 to update the waste discharge requirements for the existing site at Needles. The disposal facility is located in the SE $\frac{1}{4}$, SW $\frac{1}{4}$ Section 7 and S $\frac{1}{2}$, SE $\frac{1}{4}$ Section 7; and N $\frac{1}{2}$, NE $\frac{1}{4}$, NW $\frac{1}{4}$ Section 18 and N $\frac{1}{2}$, NE $\frac{1}{4}$ Section 18, T8N, R23E, SBB&M. This property is owned by the United States Government, with administration by the Bureau of Land Management, Federal Office Building, Room E2841, 2800 Cottage Way, Sacramento, CA 95825.
2. The County of San Bernardino operated the disposal facility until August 1982 after which the City of Needles accepted responsibility for its operation.
3. The disposal facility has been subject to waste discharge requirements under Board Order No. 83-63. 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 technical reports entitled, "City of Needles; Report of Disposal Site Information", and "Solid Waste Facility Engineering Report, Needles Landfill Site, Needles, California", dated February 1, 1988 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 in accordance with a time schedule included in the provisions of this Order.
5. The Solid Waste Assessment Testing (SWAT) report for this facility, required by Section 13273 of the California Water Code, will contain most of the technical information required in Subchapter 15. The SWAT report is due by July 1, 1989.
6. The SWAT work includes construction of ground water monitoring wells from which background water quality data will be developed to establish numerical limitations on water quality constituents for protection of the ground water. At such time this Order will be revised as necessary to include detection and verification monitoring programs and the corrective action program required in Section 2551 of said Subchapter 15.

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Superseded
with Board
Order No.
92-019*

7. The facility will be reclassified, in accordance with the criteria set forth in said Subchapter 15 for Class III landfills, at the time the SWAT report is reviewed and a determination made as to the any necessary construction in new landfill areas within the facility or whether the facility itself must be relocated. This will be based on the technical data contained in the SWAT report and other relevant information.

8. The discharger operates the disposal facility as a landfill.

The site presently receives:

- a. Residential refuse
- b. Commercial refuse
- c. Tires
- d. Construction/Demolition wastes
- f. Septic tank pumpings, and digested sludge
- g. Chemical toilet wastes
- h. Dead animals
- i. Inert materials

9. Separate cells have been constructed apart from the landfill units to receive digested sludge from the wastewater treatment plant, septic tank pumpings, and chemical toilet wastes. There is an attendant present at posted hours to collect user fees and ensure that only authorized wastes are received and disposed of in the dedicated areas.
10. The site receives approximately 34 cubic yards per day of refuse. The total capacity of the site is 500,000 cubic yards with 205,885 remaining. It has an estimated life of 17 years. Total area of the site is 180 acres. Fencing is placed around the working area of the site. A 6-inch cover is placed over the working face on a daily basis.
11. Land within 1,000 feet of this site is zoned for light manufacturing, but is presently undeveloped desert.
12. Depth to ground water is estimated at 300 feet. Average annual rainfall is 4.4 inches.
13. The site is located on high ground near an unnamed dry wash that drains an area of 25 square miles and flows two miles from the site to the Colorado River. The site is underlain by alluvial fans consisting of sand and gravel. A berm has been constructed to intercept the dry wash at the upper end of the site and divert surface water runoff around the site.
14. Attachment A, which shows the location and description of the site, is a part of this Order.
15. The Water Quality Control Plan for the Colorado River Basin Region of California was adopted by the Board on November 14, 1984.
16. The Basin Plan delineates the location of discharge to be in the Needles Hydrologic Subunit which has the following beneficial uses of ground water:
- a. Municipal supply
 - b. Industrial supply
 - c. Agricultural supply

17. The Board has notified the discharger and interested agencies and persons of its intent to update waste discharge requirements for the existing discharge.
18. The Board in a public meeting heard and considered all comments pertaining to the existing discharge.
19. 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, that 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(l) and Section 13050(m) 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 and described on 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 cause degradation of surface or ground waters.
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. Digested sludge from the wastewater treatment plant, septic tank pumpings, and chemical toilet wastes shall be discharged in dedicated waste management units constructed apart from the landfill units.
9. A minimum freeboard of two feet shall be maintained in the cells containing liquid wastes.
10. Chemical toilet wastes discharged at this site shall not contain additives prohibited by Section 66883, Chapter 30, Title 22 of the California Code of Regulations.
11. There shall be no discharge of liquid wastes other than those from the wastewater treatment plant, septic tank pumpings and chemical toilet wastes in the dedicated disposal cells.

12. Solid waste shall not be placed in ponded water.
13. The discharger shall remove and relocate any wastes which are discharged at this site in violation of these requirements.

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 unless otherwise approved by the 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 otherwise approved by the Executive Officer.
4. The discharge of wastes to surface waters, surface water drainage courses or to ground water is prohibited.

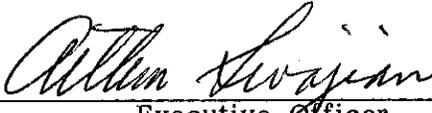
C. Provisions

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 notify the Regional Board of any material change or proposed change in the character, location, or volume of wastes 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. 88-118" 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.
6. The discharger shall maintain visible monuments identifying the boundary limits of the entire waste management facility.
7. By January 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. 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.
9. By January 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
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. Annually, prior to the 1st 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 to prevent erosion or flooding of the site; and the report thereon shall be submitted to the Regional Board by November 15 of each year.
12. Water used for site maintenance shall be limited to amounts necessary for dust control.
13. 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 Order. A copy of that notification shall be sent to the Regional Board.
14. The discharger shall comply with all applicable provisions of said Subchapter 15 that are not specifically referred to in this Order.

IT IS FURTHER ORDERED that Board Order No. 83-63 be superseded by this Order.

I, Arthur Swajian, 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 SEP 22 1988.



Executive Officer

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

MONITORING AND REPORTING PROGRAM NO. 88-118
FOR
CITY OF NEEDLES
NEEDLES CLASS III WASTE MANAGEMENT FACILITY
South of Needles - San Bernardino County

Location of Discharge: SE $\frac{1}{4}$ SW $\frac{1}{4}$ Section 7 and S $\frac{1}{2}$, SE $\frac{1}{2}$, Section 7; and N $\frac{1}{2}$, NE $\frac{1}{4}$,
Section 18 and N $\frac{1}{2}$, N $\frac{1}{2}$, NE $\frac{1}{4}$ Section 18, T8N, R23E, SBB&M

WASTE MONITORING

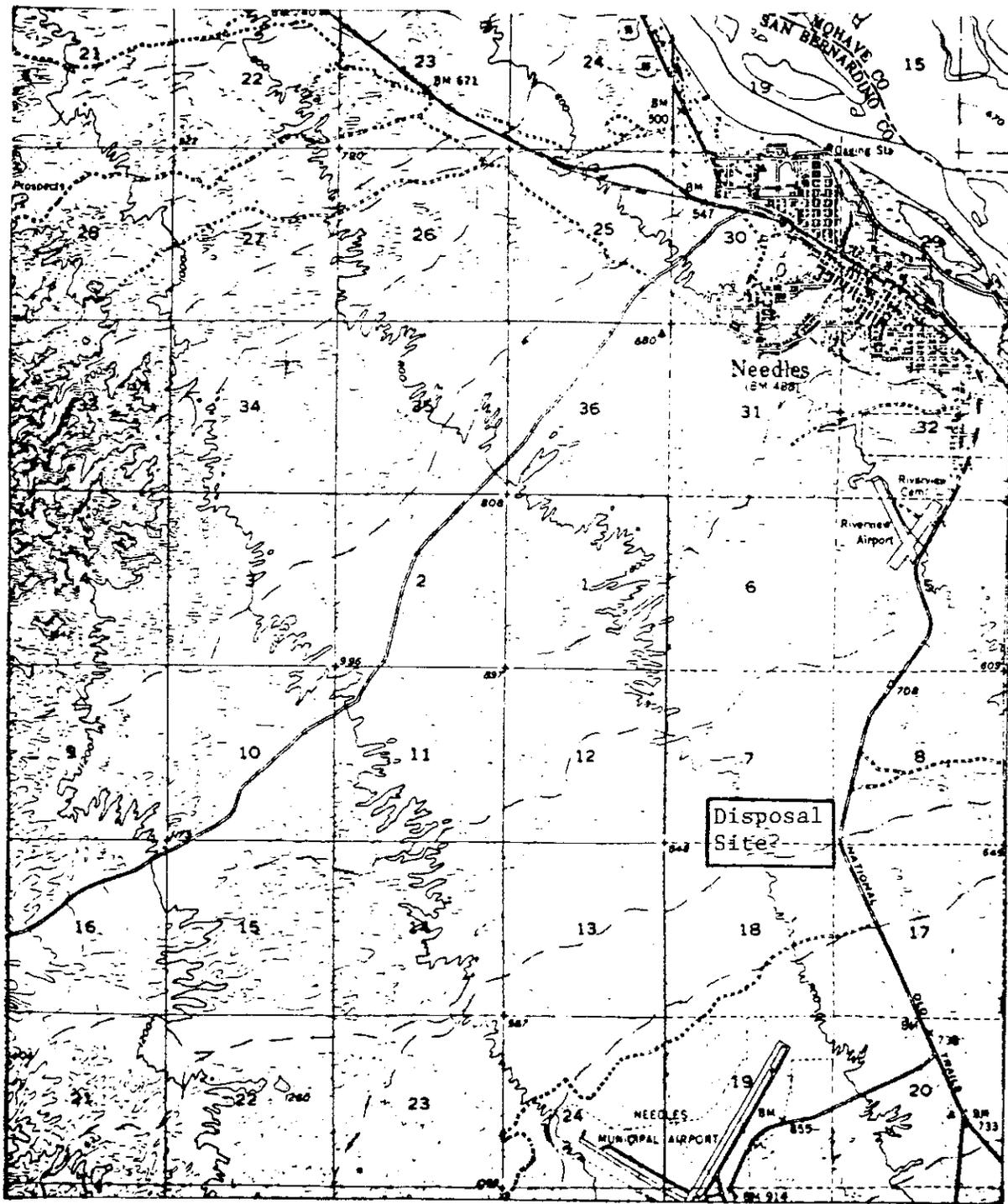
- A. The discharger shall monitor all wastes discharged to the disposal site and report to the Regional Board the following:

<u>Item</u>	<u>Unit</u>	<u>Reporting Frequency</u>
1. Refuse discharged	Cubic yards	Quarterly
2. Septic tank pumpings, chemical toilet wastes, digested sludge discharged	Gallons	Quarterly
3. Any wastes discharged other than those allowed in requirements	Type, volume and exact location	Immediately upon becoming aware that the waste has been discharged
4. Landfill capacity	Percent	Annually

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. Annual monitoring reports shall be submitted by January 15 of each year, except that the annual report required under Provision No. 11 of Board Order No. 88-118 shall be submitted by November 15 of each year.
2. 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.

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ATTACHMENT A

CITY OF NEEDLES
NEEDLES CLASS III WASTE MANAGEMENT FACILITY
South of Needles - San Bernardino County

SE $\frac{1}{4}$, SW $\frac{1}{4}$ Section 7 and S $\frac{1}{2}$, SE $\frac{1}{4}$ Section 7; and N $\frac{1}{4}$,
NE $\frac{1}{4}$, NW $\frac{1}{4}$ Section 18 and N $\frac{1}{2}$, N $\frac{1}{4}$, NE $\frac{1}{4}$ Section 18, T8N, R23E, SBB&M

USGS Needles Quadrangle 15 min. Topographic Map