

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

ORDER NO. 94-079

**WASTE DISCHARGE REQUIREMENTS
FOR
HI-GRADE MATERIALS COMPANY, OWNER/OPERATOR
SAND AND GRAVEL PLANT WASHWATER BASINS
Lucerne Valley - San Bernardino County**

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

1. Hi-Grade Materials Company, Owner/Operator (hereinafter referred to as the discharger), 17671 Bear Valley Road, Hesperia, California, 92345, submitted a Report of Waste Discharge dated April 27, 1994.
2. The discharger is discharging a maximum of 500,000 gallons-per-day of wastewater from a washer at a sand and gravel processing plant into three unlined evaporation/infiltration basins. The wastewater is recirculated for use in the washing operation. The disposal basins are located in the SW 1/4, NW 1/4 of Section 30, T4N, R1E, SBB&M, with a facility address of 8701 Meridian Road in Lucerne Valley. The site is on a sandy alluvial flood plain, where the soil percolation rate is very high. The facility sketch is shown in Attachment A, incorporated herein and made a part of this Board Order.
3. There are no domestic wells within 500 feet of the discharge facilities described in Finding No. 2, above. The plant supply well, which is about 600 feet northwest of the disposal basins, has a total dissolved solids (TDS) content of about 235 mg/L. The depth-to-ground water in the local area is about 250 feet. The site is situated about three miles southwest of the Helendale Fault. Annual precipitation averages less than six inches-per-year.
4. The Water Quality Control Plan for the Colorado River Basin Region of California (Basin Plan) was adopted on May 15, 1991, and designates the beneficial uses of ground and surface waters in this Region.
5. The beneficial uses of ground waters in the Lucerne Hydrologic Unit are:
 - a. Municipal supply (MUN)
 - b. Industrial supply (IND)
 - c. Agricultural supply (AGR)
6. Federal regulations for storm water discharges were promulgated by the U. S. Environmental Protection Agency on 16 November 1990 (40 CFR Parts 122, 123, and 124). The regulations require specific categories of facilities which discharge storm water associated with industrial activity to obtain NPDES permits and to implement Best Conventional Pollutant Technology (BCPT) to reduce or eliminate industrial storm water pollution.
7. The State Water Resources Control Board adopted Order No. 91-13-DWQ (General Permit No. CAS000001), as amended by Water Quality Order No. 92-12-DWQ, specifying waste discharge requirements for discharges of storm water associated with industrial activities, excluding construction activities, and requiring submittal of a Notice of Intent by industries to be covered under the Permit.

8. The Board has notified the discharger and all known interested agencies and persons of its intent to prescribe waste discharge requirements for said discharge and has provided them with an opportunity for a public meeting and an opportunity to submit comments.
9. The Board in a public meeting heard and considered all comments pertaining to this discharge.
10. 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 in order to meet the provisions contained in Division 7 of the California Water Code and regulations adopted thereunder, the discharger shall comply with the following:

A. Prohibitions

1. The discharge or deposit of hazardous or designated wastes (as defined in Chapter 15, Title 23, California Code of Regulations) at this facility is prohibited.
2. The discharge shall not cause degradation of any water supply.
3. The direct discharge of any wastewater to any surface waters or surface drainage courses is prohibited.
4. The discharge of wastewater containing any carcinogen or reproductive toxins listed by the Governor pursuant to Health and Safety Code Sections 25249.5 through 25249.13, also known as the Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65), where such chemical passes or probably will pass into any source of drinking water, is prohibited.

B. Specifications

1. The treatment or disposal of wastes at this facility shall not cause pollution or nuisance as defined in Sections 13050(l) and 13050(m) of Division 7 of the California Water Code.
2. Wastewater which has a TDS concentration value greater than 650 mg/L shall be discharged only to an appropriate waste management facility as approved by the Regional Board's Executive Officer.
3. Waste management units designed for the disposal of designated waste shall be constructed in accordance with the Class II surface impoundment provision of Chapter 15, Title 23, California Code of Regulations.
4. The discharger shall accurately characterize the waste to determine appropriate location of discharge.
5. Discharge into the unlined basins shall cease in event of any failure in the disposal system which threatens beneficial water uses.
6. There shall be no discharge of liquid wastes to the surface impoundments other than those identified in Finding No. 2, above.

7. The discharger shall remove and relocate any wastes which are discharged at this site in violation of these requirements.
8. Wastewater volume discharged at this facility shall not exceed 500,000 gallons-per-day.
9. There shall be no surface flow of wastewater away from the designated disposal areas.
10. Adequate measures shall be taken to assure that flood or surface drainage waters do not erode or otherwise render portions of the discharge facilities inoperable.
11. A minimum depth of freeboard of two feet shall be maintained at all times in the basins.

C. Provisions

1. The discharger shall use the best practicable control techniques to limit mineralization to no more than the limit stated in Specification A.2.
2. Prior to any modifications in this facility which would result in material change in the quality or quantity of wastewater treated or discharged, or any material change in the location of discharge, the discharger shall report all pertinent information in writing to the Regional Board; and obtain revised requirements before any modifications are implemented.
3. Prior to any change in ownership or management of this operation, the discharger shall transmit a copy of this Board Order to the succeeding owner/operator, and forward a copy of the transmittal letter to the Regional Board. The discharger may be required to submit technical reports as directed by the Regional Board's Executive Officer.
4. The discharger shall develop and implement a Storm Water Pollution Prevention Plan for this facility. The plan must be submitted to the Regional Board's Executive Officer for review and approval no later than 90 days after adoption of this Board Order.
5. All storm water discharges from this facility must comply with the lawful requirements of municipalities, counties, drainage districts, and other local agencies, regarding discharges of storm water to storm water drain systems or other courses under their jurisdiction.
6. The discharger shall comply with "Monitoring and Reporting Program No. "94-079", and future revisions thereto, as specified by the Regional Board's Executive Officer and be in accordance with the following:
 - a. Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity.
 - b. The discharger shall retain records of all monitoring information, including all calibration and maintenance records for a period of at least five years from the date of the sample, measurement and report. This period may be extended by request from the Regional Board's Executive Officer at any time.
 - c. Records of monitoring information shall include:
 - 1) The date, exact place, and time of sampling or measurements
 - 2) The individual(s) who performed the sampling or measurements
 - 3) The date(s) when analyses were performed
 - 4) The individual(s) who performed the analyses

- 5) The results of such analyses
7. Unless otherwise approved by the Regional Board's Executive Officer, all analyses shall be conducted at a laboratory certified for such analyses by the State Department of Health Services. All analyses shall be conducted in accordance with the latest edition of "Guidelines Establishing Test Procedures for Analysis of Pollutants", promulgated by the United States Environmental Protection Agency.
8. The discharger shall ensure that all site operating personnel are familiar with the content of this Board Order, and shall maintain a copy of this Board Order at the site.
9. The discharger shall allow the Regional Board's Executive Officer, or his/her authorized representative, upon the presentation of credentials and other documents as may be required by law, to:
 - a. Enter upon the discharger's premises where a regulated facility or activity is located or conducted, including reclaimed water treatment or discharge facilities, sludge use and disposal activities, or facilities where records must be kept under the conditions of this Board Order.
 - b. Have access to and copy, at reasonable times, any records that must be kept under the same conditions of this Order. Inspect and sample or monitor, at reasonable times, any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this Board Order, including reclaimed water treatment, discharge, sludge use or disposal sites.
10. One year prior to the anticipated closure of the basins, the discharger shall submit to the Regional Board a closure plan for review and approval by the Regional Board's Executive Officer.
11. Upon abandonment of this facility, or as required, residual solids shall be removed from the basins and discharged at a disposal facility approved by the Regional Board's Executive Officer.
12. The discharger shall provide an inventory of all hazardous materials which will be handled at the facility by January 15, 1995.
13. The discharger is the responsible party for the waste discharge requirements and the monitoring and reporting program for the facility. The discharger shall comply with all conditions of these waste discharge requirements. Violations may result in enforcement actions, including Regional Board Orders or court orders, requiring corrective action or imposing civil monetary liability, or in modification or revocation of these waste discharge requirements by the Regional Board.

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 September 13, 1994.


Executive Officer

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

MONITORING AND REPORTING PROGRAM NO. 94-079 (REVISION 2)
FOR

HI-GRADE MATERIALS COMPANY, OWNER/OPERATOR
SAND AND GRAVEL PLANT WASHWATER BASINS

Lucerne Valley - San Bernardino County

Location of Discharge: SW 1/4, NW 1/4, Section 30, T4N, R1E, SBB&M

The discharger shall collect and analyze samples as follows:

A. INFILTRATION BASIN MONITORING

<u>Constituent</u>	<u>Unit</u>	<u>Type of Sample</u>	<u>Sampling Frequency</u>
Total Dissolved Solids	mg/L ¹	Grab	Annually
Total Petroleum Hydrocarbons	mg/L	Grab	Annually ²
Flow	GPD ³	Measurement	Annually
Hydrogen Ion	pH	Grab	Annually

B. WATER SUPPLY MONITORING

<u>Constituent</u>	<u>Unit</u>	<u>Type of Sample</u>	<u>Sampling Frequency</u>
Total Dissolved Solids	mg/L	Grab	Annually
Flow	GPD	Measurement	Annually

REPORTING

The discharger shall report to the Regional Board as follows:

1. Annual monitoring reports shall be submitted to the Regional Board by January 15 of each year.

¹mg/L = milligrams-per-Liter

²Annual samples shall be collected during November

³GPD = Gallons-per-Day



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 facility is operating in compliance with waste discharge requirements.
3. Monitoring reports shall be certified under penalty of perjury to be true and correct, and shall contain the required information at the frequency designated in this monitoring report.
4. The collection, preservation and holding times of all samples shall be in accordance with U. S. Environmental Protection Agency approved procedures. All analyses shall be conducted by a laboratory certified by the State Department of Health Services to perform the required analyses.
5. Compliance with the discharge limitations shall be determined at the end of the discharge pipe into the setting basin.
6. If the facility is not in operation, or there is no discharge during a required reporting period, the discharger shall forward a letter to the Regional Board indicating that there has been no activity during the required reporting period.
7. Report immediately any failure in the waste disposal system by telephone with follow-up by letter.
8. Submit monitoring reports to:

California Regional Water Quality Control Board
Colorado River Basin Region
73-720 Fred Waring, Suite 100
Palm Desert, CA 92260

9. Each report shall contain the following statement:

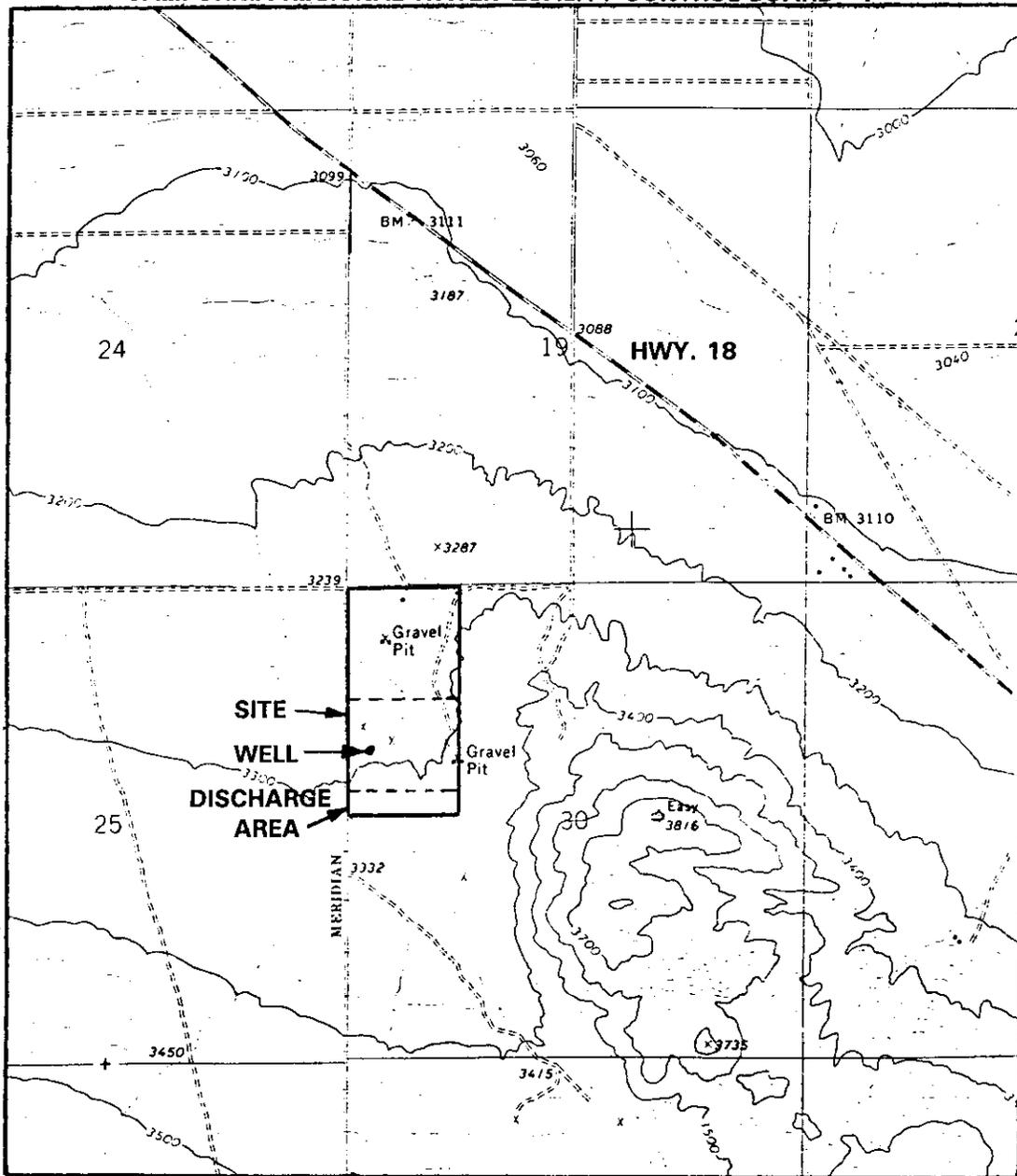
"I declare under the penalty of law that I have personally examined and am familiar with the information submitted in this document, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of a fine and imprisonment for knowing violations."

Ordered By: Phil Greenberg
Executive Officer

5-27-97
Date

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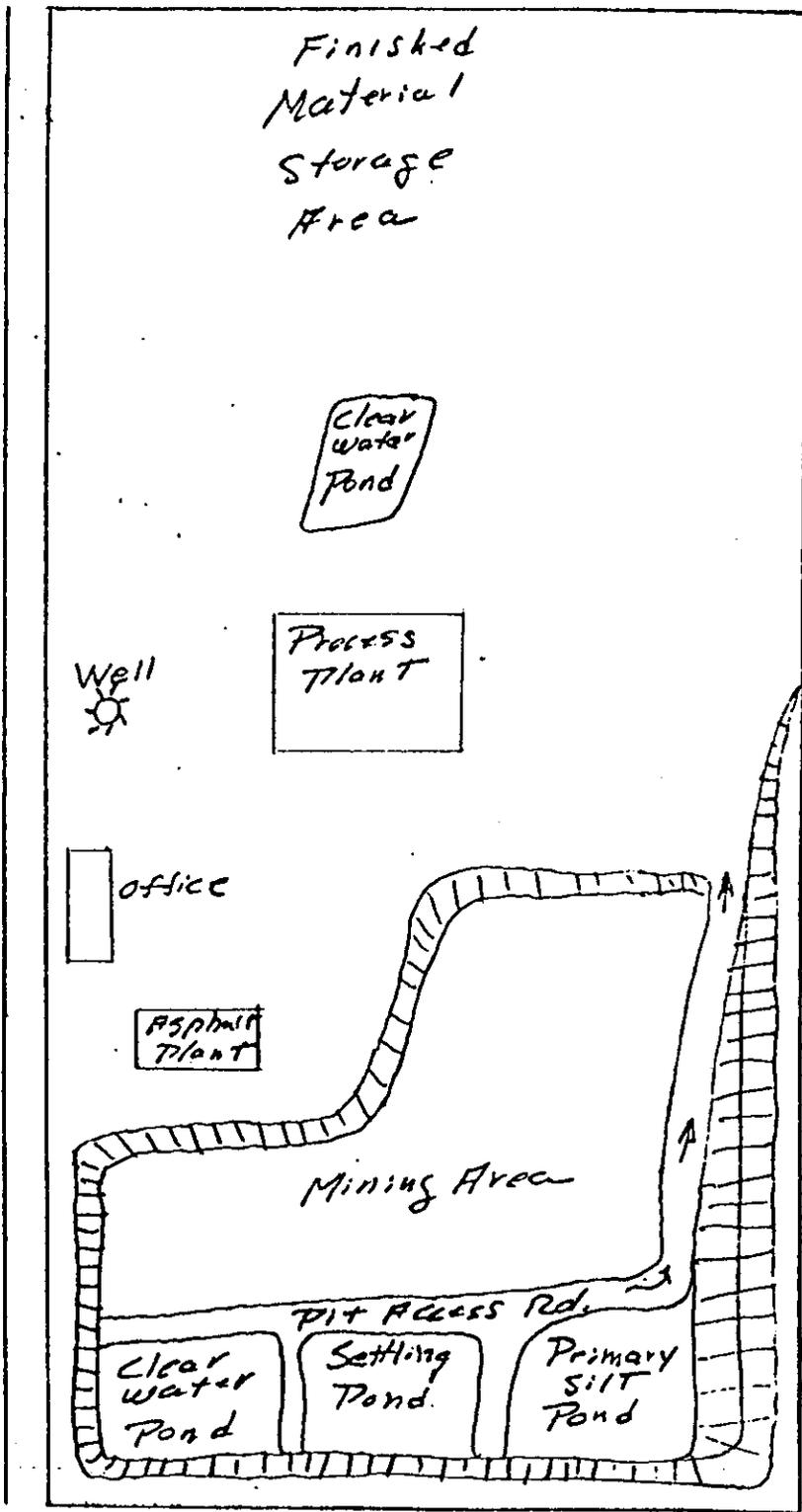
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SITE MAP

**HI-GRADE MATERIALS COMPANY, OWNER/OPERATOR
SAND AND GRAVEL PLANT WASHWATER BASINS
Lucerne Valley - San Bernardino County
SW 1/4, NW 1/4 of Section 30, T4N, R1E, SBB&M
USGS Lucerne Valley 7.5 min. Topographic Map**

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SCALE:
1" = 350'

ATTACHMENT A

FACILITIES SKETCH

HI-GRADE MATERIALS COMPANY, OWNER/OPERATOR
SAND AND GRAVEL PLANT WASHWATER BASINS
Lucerne Valley - San Bernardino County

