

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

ORDER R7-2012-0051

**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. The Facility is currently operating under Board Order 94-079 which was adopted September 13, 1994. Board Order 94-079 is being updated to comply with applicable provisions of Title 27 of the California Code of Regulations.
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. There are no "waters of the United States" in the vicinity of the Facility that could be affected by the discharge.
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 November 17, 1993, and designates the beneficial uses of ground and surface water 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. The Board has notified the Discharger and all known interested agencies and persons of its intent to prescribe Waste Discharge Requirements (WDRs) for said discharge and has

provided them with an opportunity for a public meeting and an opportunity to submit comments.

7. The Board in a public meeting heard and considered all comments pertaining to this discharge.
8. In accordance with Section 15301, Chapter 3, Title 14 of the California Code of Regulations, the issuance of these WDRs, 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 130500) 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. R7-2012-0051", 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. Sample collection, storage, and analysis shall be performed according to the most recent version of Standard USEPA methods, and California ELPA rulings. Water and waste analysis shall be performed by a laboratory approved for these analyses by the California Department of Public Health. Specific methods of analysis must be identified. If methods other than USEPA-approved methods or Standard Methods are used, the exact methodology must be submitted for review and approval by the Regional Water Board Executive Officer prior to use.
- 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, 2013.

13. The Discharger is the responsible party for the WDRs and the Monitoring and Reporting Program for the facility. The Discharger shall comply with all conditions of these WDRs. 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 WDRs by the Regional Board.

I, Robert Perdue, 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 November 15, 2012.

ROBERT PERDUE
Executive Officer