

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

ORDER NO. 93-040

WASTE DISCHARGE REQUIREMENTS
FOR
GRANITE CONSTRUCTION COMPANY
SAND AND GRAVEL PLANT WASHWATER BASINS
Twentynine Palms - San Bernardino County

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

1. Granite Construction Company (hereinafter referred to as the discharger), P.O. Box 9011, Palm Desert, California, 92255-9011, submitted a Report of Waste Discharge, dated December 4, 1992.
2. The discharger is discharging a maximum of 50,000 gallons-per-day of wastewater from facilities which consist of a washer at a sand and gravel processing plant that discharges into three unlined evaporation/infiltration basins. The wastewater is recirculated for use in the washing operations, and also spread on the site roads for dust control. The disposal basins are located in the SW $\frac{1}{4}$, SW $\frac{1}{4}$ of Section 31, T1N, R10E, SBB&M, which has a facility address of 7541 Mojave Road in Twentynine Palms. The site is on a sandy alluvial flood plain, where the soil percolation rate is very high. The discharger owns and operates this facility.
3. There are no domestic wells within 500 feet of the discharge facilities described in Finding No. 2, above. The nearest supply well, which is about 80 feet west of the disposal basins has a fluoride content of about 6.0 mg/L, which exceeds the California Drinking Water Standards maximum allowable limit of 2.4 mg/L. The depth to ground water is about 250 feet and the total dissolved solids content is about 216 mg/L¹.
4. "Designated Waste" is defined in Chapter 15 as "nonhazardous waste which consists of, or contains pollutants which, under ambient environmental conditions at the waste management unit, could be released at concentrations in excess of applicable water quality objectives, or which could cause degradation of waters of the State".
5. Considering the quality of the ground water in the vicinity of the site, designated waste for the purpose of these waste discharge requirements is any waste which has a TDS value greater than 600 mg/L and does not contain hazardous constituents.
6. The Water Quality Control Plan for the Colorado River Basin Region of California was adopted May 15, 1991 and designates the beneficial uses of ground and surface waters in this Region.

¹ mg/L - milligrams per Liter

SUPERSEDED BY
BOARD ORDER NO. R1-2003-0080
11/05/03

7. The beneficial uses of ground waters in the Dale Hydrologic Unit are:
 - a. Municipal supply (MUN)
 - b. Industrial supply (IND)
 - c. Agricultural supply (AGR)
8. Federal regulations for storm water discharges were promulgated by the EPA 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.
9. The State Water Resources Control Board adopted Order No. 91-13-DWQ (General Permit No. CAS000001), as amended by Water Quality Order No. 91-12-DWR, 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.
10. The Board has notified the discharger and all known interested agencies and persons of its intent to prescribed waste discharge requirements for this discharge.
11. The Board in a public meeting heard and considered all comments pertaining to this discharge.
12. 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. Discharge Prohibitions

1. The discharge or deposit of hazardous waste (as defined in Chapter 15, Title 23, California Code of Regulations) at this facility is prohibited.
2. The discharge or deposit of designated waste (as defined in Chapter 15) to the evaporation/infiltration basins is prohibited after December 1, 1993.
3. The discharge of wastes to surface water or water drainage courses is prohibited.
4. The discharge of waste containing any carcinogen or reproductive toxin listed by the Governor pursuant to Health and Safety Code Sections 25249.5 through 25249.13, 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. Discharge Specifications

1. 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.
2. Wastewater which has a TDS value greater than 600 mg/L shall be discharged only to an appropriate waste management unit as approved by the Regional Board's Executive Officer.
3. By December 1, 1993, the discharge of wastewater with a TDS concentration greater than 600 mg/L to the unlined impoundments shall be discontinued after which only wastewater of 600 mg/L or less may be discharged.
4. Wastewater shall be collected and transported to the surface impoundments through an engineered collection system. Said system shall be in operation by December 1, 1993. The system shall be designed and constructed under the supervision of a California Registered Civil Engineer.
5. The discharger's procedures to ensure that no wastewater exceeding 600 mg/L TDS is discharged to the evaporation/infiltration basins shall be submitted by August 1, 1993 to the Regional Board for review and approval by the Regional Board's Executive Officer. This procedure shall be implemented by December 1, 1993.
6. 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.
7. The discharger shall accurately characterize the waste to determine appropriate location of discharge.
8. Discharge into the unlined basins shall cease in event of any failure in the disposal system which threatens beneficial water uses.
9. There shall be no discharge of liquid wastes to the surface impoundments other than those identified in Finding No. 2.
10. The discharger shall remove and properly relocate any wastes which are discharged at this site in violation of these requirements.
11. Wastewater volume discharged at this facility shall not exceed 50,000 gallons-per-day.
12. There shall be no surface flow of wastewater away from the designated disposal areas.
13. 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.
14. A minimum 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 Discharge 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 discharge shall not cause degradation of any water supply.
5. 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 not later than ninety days after the adoption of this Board Order.
6. All storm water discharges from this facility must comply with the lawful requirements of municipalities, counties, drainage districts and other local agencies regarding discharge of storm water to storm/drain systems or other courses under their jurisdiction.
7. The discharger shall comply with "Monitoring and Reporting Program No. 93-040", 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 5 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
8. All analyses performed for the Monitoring and Reporting Program shall be conducted by a laboratory certified by the California Department of Health Services.

9. The discharger shall ensure that all site operating personnel are familiar with the content of this Board Order.
10. The discharger shall allow the Regional Board's Executive Officer, or his/her authorized representatives, 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, 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 conditions of this Board 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.
11. One year prior to the anticipated closure of the basins, the discharger shall submit to the Regional Board, for review and approval by the Regional Board's Executive Officer, a closure plan.
12. 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.

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 19, 1993.



Executive Officer

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

MONITORING AND REPORTING PROGRAM NO. 93-040
FOR
GRANITE CONSTRUCTION COMPANY
SAND AND GRAVEL PLANT WASHWATER BASINS
Twentynine Palms - San Bernardino County

Location of Discharge: SW $\frac{1}{4}$, SW $\frac{1}{4}$, Section 31, T1N, R10E, SBB&M

The discharger shall collect and analyze samples as follows:

A. INFILTRATION BASIN MONITORING

<u>Constituents</u>	<u>Units</u>	<u>Type of Sample</u>	<u>Sampling Frequency</u>
Total Dissolved Solids	mg/L ¹	Grab	Monthly
Total Petroleum Hydrocarbons	mg/L	Grab	Annually ²
Flow	GPD ³	Measurement	Monthly

B. WATER SUPPLY MONITORING

<u>Constituents</u>	<u>Units</u>	<u>Type of Sample</u>	<u>Sampling Frequency</u>
Total Dissolved Solids	mg/L	Grab	Quarterly
Flow	GPD ³	Measurement	Quarterly
Fluoride	mg/L	Grab	Annually

REPORTING

The discharger shall report to the Regional Board as follows:

1. Monthly monitoring reports shall be submitted to the Regional Board the 15th day of each month.

¹ mg/L: Milligrams per Liter

² Annual samples shall be collected during November

³ GPD - Gallons per Day

2. Annual reports shall be submitted to the Regional Board by January 15th of each year.
3. The discharger shall arrange the data in tabular form so that the date, the constituents, and other specified information are readily discernible. The data shall be summarized in such manner as to clearly illustrate the facility is operating in compliance with waste discharge requirements.
4. 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 program.
5. The collection, preservation and holding times of all samples shall be in accordance with EPA-approved procedures. All analyses shall be conducted by a laboratory certified by the State Department of Health Services to perform the required analyses.
6. Report immediately any failure in the disposal system by telephone and follow up by letter.
7. Submit monitoring reports to:

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

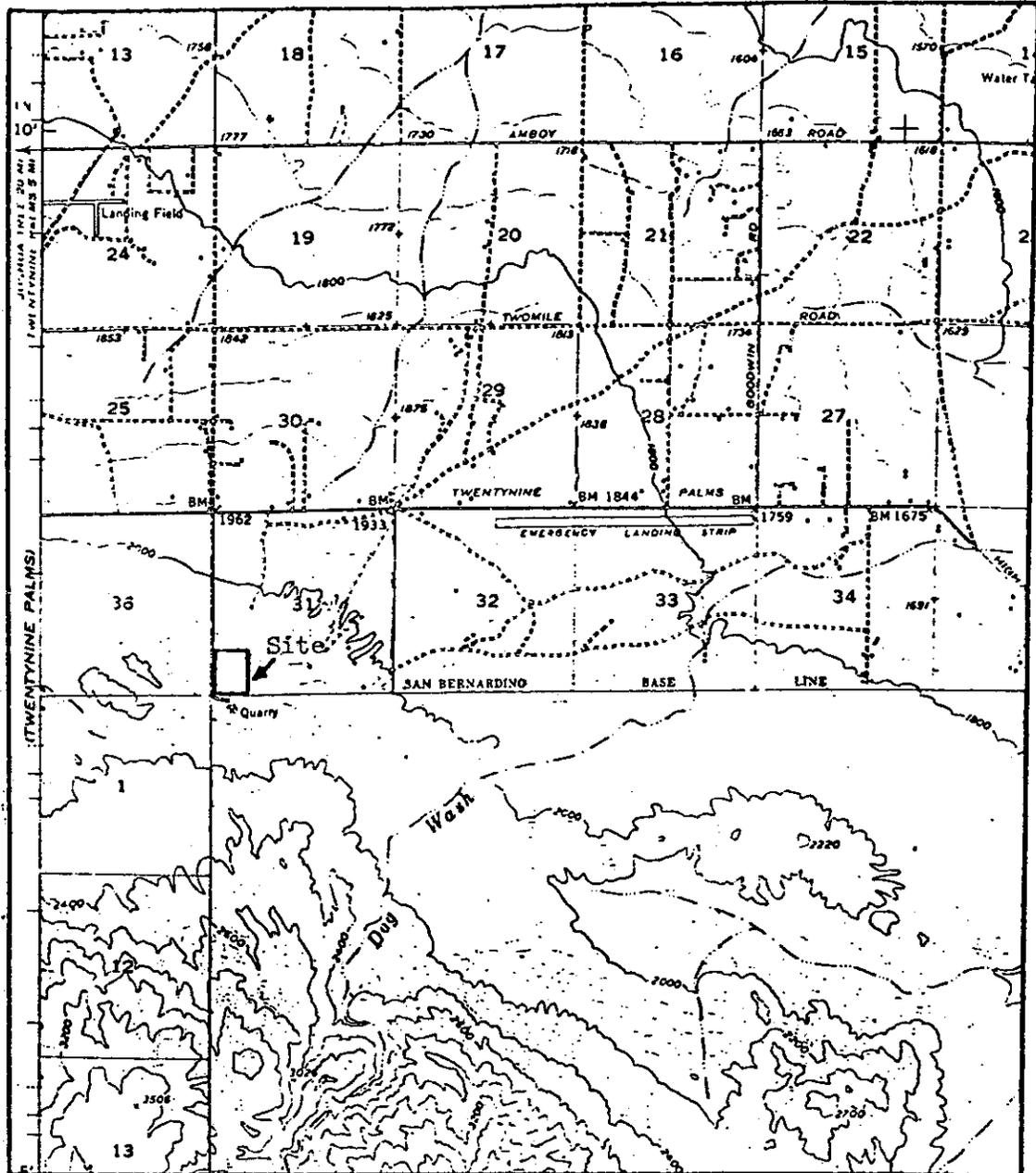
ORDERED BY:

Philip A. Greenberg
Executive Officer

May 19, 1993

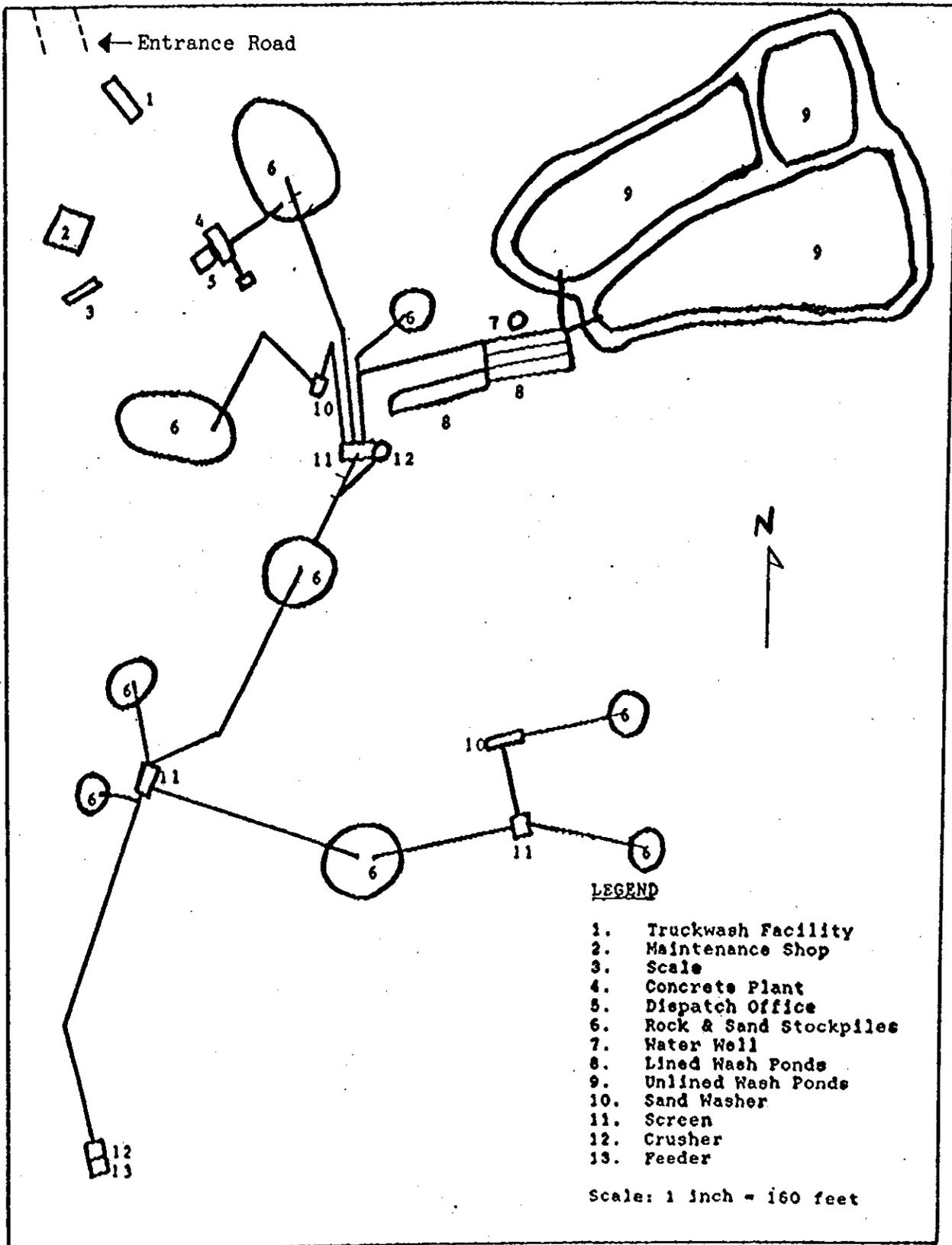
Date

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD - 7



SITE MAP

GRANITE CONSTRUCTION COMPANY
SAND AND GRAVEL PLANT WASHWATER BASINS
Twentynine Palms - San Bernardino County
SW $\frac{1}{4}$, SW $\frac{1}{4}$, Section 31, T1N, R10E, SBB&M
USGS Twentynine Palms 15 min. Topographic Map



FACILITIES SKETCH

GRANITE CONSTRUCTION COMPANY
 SAND AND GRAVEL PLANT WASHWATER BASINS
 Twentynine Palms - San Bernardino County