

**CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
CENTRAL VALLEY REGION**

**MONITORING AND REPORTING PROGRAM ORDER R5-2025-0021  
FOR  
GRANITE CONSTRUCTION COMPANY  
COALINGA AGGREGATES  
FRESNO COUNTY**

This Monitoring and Reporting Program (MRP) Order, which is separately issued pursuant to Water Code section 13267, subdivision (b)(1), establishes monitoring and reporting requirements related to the waste discharges regulated under Waste Discharge Requirements Order R5-2025-0021 (WDRs Order). Each of the Findings set forth in the WDRs Order, including those pertaining to the need for submission of reports, are hereby incorporated as part of this MRP.

Granite Construction Company (Granite) owns and operates the Coalinga Aggregates (Facility), which is subject to the WDRs Order R5-2025-0021 for the disposal of aggregate wash water to land. Hereafter, Granite is referred to as Discharger and is responsible for compliance with this MRP. The Discharger shall not implement any changes to this MRP unless and until the Central Valley Regional Water Quality Control Board (Central Valley Water Board) adopts, or the Executive Officer issues a revised MRP.

A glossary of terms used in this MRP is included on the last page.

This MRP may be revised by the Executive Officer, in accordance with their delegated authority under Water Code section 13223.

**I. GENERAL MONITORING REQUIREMENTS**

**A. FLOW MONITORING**

Hydraulic flow rates shall be measured at the monitoring points specified in this MRP. All flow monitoring systems shall be appropriate for the conveyance system (i.e., open channel flow or pressure pipeline) and liquid type. The measurements shall be based on flow meter readings, unless otherwise stated. The method of measurement must be specified. Unless otherwise specified, each flow meter shall be equipped with a flow totalizer to allow reporting of cumulative volume as well as instantaneous flow rate. Flow meters shall be calibrated at the frequency recommended by the manufacturer; typically, at least once per year and records of calibration shall be maintained for review upon request.

## **B. MONITORING AND SAMPLING LOCATIONS**

Samples and measurements shall be obtained at the monitoring points specified in this MRP. Central Valley Water Board staff shall approve any proposed changes to sampling locations prior to implementation of the change.

The Discharger shall monitor the following locations to demonstrate compliance with the requirements of this Order:

**Table 1 - Monitoring Locations**

<b>Monitoring Location</b>	<b>Monitoring Location Description</b>
SW-001	Location where a representative sample of the supply water can be collected prior to being introduced to the freshwater pond.
PND-001	Location where a representative sample of the effluent can be collected from the settling pond.
FP-001	Location where a representative sample of the freshwater pond can be collected prior to being pumped to the wash water process.

## **C. SAMPLING AND SAMPLE ANALYSIS**

All samples shall be representative of the volume and nature of the discharge or matrix of material sampled. Except as specified otherwise in this MRP, grab samples will be considered representative of water, wastewater, soil, solids/sludges and groundwater. The time, date, and location of each sample shall be recorded on the sample chain of custody form.

Field test instruments (such as those used to measure pH, temperature, electrical conductivity [EC], dissolved oxygen [DO], wind speed, and precipitation) may be used provided that:

1. The operator is trained in proper use and maintenance of the instruments;
2. The instruments are field calibrated at the frequency recommended by the manufacturer;
3. The instruments are serviced and/or calibrated by the manufacturer at the recommended frequency; and
4. Field calibration reports are submitted as described in the "Reporting Requirements" section of this MRP.

Laboratory analytical procedures shall comply with the methods and holding times specified in the following (as applicable to the medium to be analyzed):

- Methods for Organic Chemical Analysis of Municipal and Industrial Wastewater (EPA);
- Test Methods for Evaluating Solid Waste (EPA);
- Methods for Chemical Analysis of Water and Wastes (EPA);
- Methods for Determination of Inorganic Substances in Environmental Samples (EPA);
- Standard Methods for the Examination of Water and Wastewater (APHA/AWWA/WEF); and
- Soil, Plant and Water Reference Methods for Western Region (WREP 125).

Approved editions shall be those that have been most recently approved for use by the United States Environmental Protection Agency (EPA) or the State Water Resources Control Board (State Water Board), Division of Drinking Water's Laboratory Accreditation Program (ELAP). The Discharger may propose alternative methods for approval by the Executive Officer. Where technically feasible, laboratory reporting limits shall be lower than the applicable water quality objectives for the constituents to be analyzed.

## II. SPECIFIC MONITORING REQUIREMENTS

### A. SUPPLY WATER MONITORING (SW-001)

Samples shall be representative of the supply water added to the freshwater pond. The supply water is from more than one source, the results shall be presented as a flow-weighted average of both source wells. At a minimum, the supply water shall be monitored as specified in Table 2 below.

**Table 2 - Supply Water Monitoring**

Constituent/Parameter	Units	Sample Type	Monitoring Frequency
Flow	gpd	Metered	Continuous
EC	µmhos/cm	Grab	Annually
TDS	mg/L	Grab	Annually
Iron	µg/L	Grab	Annually
Manganese	µg/L	Grab	Annually
General Minerals (see 1 below)	mg/L	Grab	Annually

1. List of analytes for general mineral analysis is included in the Glossary.

## **B. FRESHWATER POND MONITORING (FP-001)**

The Discharger shall monitor the freshwater pond, which includes both source well water and wash water from the settling pond. Monitoring shall include, at a minimum, the parameters and constituents specified below by Table 3 below.

**Table 3 - Freshwater Pond Monitoring**

<b>Constituent/Parameter</b>	<b>Units</b>	<b>Sample Type</b>	<b>Monitoring Frequency</b>
Flow	gpd	Metered/Calculated	Continuous
EC	µmhos/cm	Grab	Quarterly
TDS	mg/L	Grab	Quarterly
Iron (see 2 below)	µg/L	Grab	Semi-Annually
Manganese (see 2 below)	µg/L	Grab	Semi-Annually
General Minerals (see 1 & 2 below)	mg/L	Grab	Annually
Freeboard	Feet (±0.1)	Measurement	Quarterly
Berm Condition	--	Observation	Monthly
Nuisance/Odors	--	Observation	Monthly

1. List of analytes for general mineral analysis is included in the Glossary.
2. For constituents with Secondary MCLs listed in California Code of Regulations Title 22 Table 64449-A (e.g., iron, and manganese), samples shall be filtered with a 1.5-micron filter prior to preservation, digestion, and analysis. For all other constituents, samples shall be filtered with a 0.45-micron filter prior to preservation, digestion, and analysis.

## **C. SETTLING POND MONITORING (PND-001)**

The Discharger shall monitor the discharge to the settling pond at Monitoring Location PND-001. Freeboard shall be measured vertically from the water surface to the lowest elevation of pond edge or berm (or spillway/overflow pipe invert) and shall be measured to the nearest 0.1 feet. Monitoring shall include, at a minimum, the parameters and constituents specified in Table 4 below.

**Table 4 – Settling Pond Monitoring**

<b>Constituent/Parameter</b>	<b>Units</b>	<b>Sample Type</b>	<b>Monitoring Frequency</b>
Flow	gpd	Metered/Calculated	Continuous
EC	µmhos/cm	Grab	Monthly
pH	s.u.	Grab	Monthly
TDS	mg/L	Grab	Monthly
Iron (see 1 below)	µg/L	Grab	Semi-Annually
Manganese (see 1 below)	µg/L	Grab	Semi-Annually
General Minerals (see 1, 2 below)	mg/L	Grab	Annually
Freeboard	Feet (±0.1)	Measurement	Quarterly
Berm Condition	NA	Observation	Monthly
Nuisance/Odors	NA	Observation	Monthly

1. For constituents with Secondary MCLs listed in California Code of Regulations Title 22 Table 64449-A (e.g., iron, and manganese), samples shall be filtered with a 1.5-micron filter prior to preservation, digestion, and analysis. For all other constituents, samples shall be filtered with a 0.45-micron filter prior to preservation, digestion, and analysis.
2. List of analytes for general mineral analysis is included in the Glossary.

### **III. REPORTING REQUIREMENTS**

All monitoring reports should be converted to a searchable Portable Document Format (PDF) and submitted electronically. Documents that are less than 50MB should be emailed to: [centralvalleyfresno@waterboards.ca.gov](mailto:centralvalleyfresno@waterboards.ca.gov). Documents that are 50 MB or larger should be transferred to a CD, DVD, or flash drive and mailed to the following address:

Central Valley Regional Water Quality Control Board  
Region 5 – Fresno Office  
1685 “E” St.  
Fresno, California 93706

To ensure that your submittal is routed to the appropriate staff person, the following information should be included in the body of the email or transmittal sheet:

Program: Non-15  
Place ID: 227764  
Facility: Granite Construction Company – Coalinga Aggregates  
Order: MRP R5-2025-0021  
County: Fresno

**A transmittal letter shall accompany each monitoring report.** The letter shall include a discussion of all violations of this MRP and the WDRs Order during the reporting period and actions taken or planned for correcting each violation. If the Discharger has previously submitted a report describing corrective actions taken and/or a time schedule for implementing the corrective actions, reference to the previous correspondence will be satisfactory. The transmittal letter shall contain a statement by the Discharger or the Discharger's authorized agent certifying under penalty of perjury that the report is true, accurate and complete to the best of the signer's knowledge.

In reporting monitoring data, the Discharger shall arrange the data in tabular form so that the date, sample type (e.g., effluent, groundwater, etc.), and reported analytical result for each sample are readily discernible. The data shall be summarized in such a manner to clearly illustrate compliance with waste discharge requirements and spatial or temporal trends, as applicable. The results of any monitoring done more frequently than required at the locations specified in the MRP shall be reported in the next scheduled monitoring report.

Laboratory analysis reports shall be included in the monitoring reports. In addition, all laboratory reports must be retained for a minimum of three years in accordance with Standard Provision C.3. of the SPRRs. For a Discharger conducting any of its own analyses, reports must also be signed and certified by the chief of the laboratory.

Monitoring information shall include the method detection limit (MDL) and the Reporting limit (RL) or practical quantitation limit (PQL). If the regulatory limit for a given constituent is less than the RL (or PQL), then any analytical results for that constituent that are below the RL (or PQL) but above the MDL shall be reported and flagged as estimated.

All monitoring reports that involve planning, investigation, evaluation or design, or other work requiring interpretation and proper application of engineering or geologic sciences, shall be prepared by or under the direction of persons registered to practice in California pursuant to California Business and Professions Code sections 6735, 7835, and 7835.1.

## **A. QUARTERLY MONITORING REPORTS**

Quarterly Monitoring Reports shall be prepared and submitted to the Central Valley Water Board by the **1<sup>st</sup> day of the second month after the quarter** (i.e., the 1<sup>st</sup> quarter [January-March] quarterly report is due 1<sup>st</sup> May). Each Quarterly Monitoring Report shall include the following:

1. Results of the **Supply Water Monitoring** as specified in Section II.A.
  - a. Calculation of monthly flow for each month of the quarter.
2. Results of the **Freshwater Pond Monitoring** as specified in Section II.B, including:
  - a. Calculation of total flow to the wet plant for each month of the quarter.
3. Results of the **Settling Pond Monitoring** as specified in Section II.C, including:
  - a. Calculation of daily and monthly flow discharged to the settling pond for each month of the quarter.
4. Copies of all laboratory analytical reports.
5. A summary of any changes in processing that might affect waste characterization and/or discharge flow rates.

## **B. FOURTH QUARTER/ANNUAL MONITORING REPORT**

In addition to the above information, the fourth quarter monitoring report, due **1<sup>st</sup> February of each year**, shall include the following:

1. Total annual flow of wastewater discharged to the settling pond (PND-001), and comparison to the Annual Flow Action Level established in the WDRs.
2. Tabular and graphical summaries of all data collected during the year.
3. A discussion of compliance and the corrective actions taken, as well as any planned or proposed actions needed, to bring the discharge into full compliance with the WDRs Order.
4. A discussion of any data gaps and potential deficiencies or redundancies in the monitoring system or reporting program.
5. Statement certifying when any flow meters and other monitoring instruments and devices were last calibrated, include identification of who performed the calibrations (SPRRs C.4).

6. Names, title, and contact information for person to contact regarding the Facility for emergency and routine situations.

If, in the opinion of the Executive Officer, the Discharger fails to comply with the provisions of this Order, the Executive Officer may refer this matter to the Attorney General for judicial enforcement, may issue a complaint for administrative civil liability, or may take other enforcement actions. Failure to comply with this Order may result in the assessment of Administrative Civil Liability of up to \$1,000 per violation, per day, depending on the violation, pursuant to Water Code section 13268. The Central Valley Water Board reserves the right to take any enforcement actions authorized by law.

Any person aggrieved by this action of the Central Valley Water Board may petition the State Water Resources Control Board to review the action in accordance with California Water Code section 13320 and California Code of Regulations, title 23, sections 2050 and following. The State Water Resources Control Board must receive the petition by 5:00 p.m., 30 days after the date of this MRP, except that if the thirtieth day following the date of this Order falls on a Saturday, Sunday, or state holiday, the petition must be received by the State Water Resources Control Board by 5:00 p.m. on the next business day. [Copies of the law and regulations applicable to filing petitions](#) may be found on the internet ([http://www.waterboards.ca.gov/public\\_notices/petitions/water\\_quality](http://www.waterboards.ca.gov/public_notices/petitions/water_quality)) or will be provided on request.

The Discharger shall begin implementation of the above monitoring program on **1 May 2025**. Beginning 1 May 2025, MRP R5-2022-0824 is terminated and replaced by this MRP.

I, PATRICK PULUPA, Executive Officer, hereby certify that the following is a full, true and correct copy of the Monitoring and Reporting Program issued by the California Regional Water Quality Control Board, Central Valley Region, on 25 April 2025.

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PATRICK PULUPA, Executive Officer



#### IV. GLOSSARY

EC	Electrical conductivity at 25° C
TDS	Total dissolved solids
SPRR	Standard Provision and Reporting Requirements
Continuous	The specified parameter shall be measured by a meter continuously.
ELAP	Environmental Laboratory Accreditation Program
EPA	Environmental Protection Agency
Daily	Every day
Monthly	Once per calendar month
Quarterly	Once per calendar quarter (e.g., January – March)
Annually	Once per calendar year
mg/L	Milligrams per liter
MRP	Monitoring Reporting Program
MCL	Maximum Contaminant Level
MDL	Method Detection Limit
PQL	Practical Quantitation Limit
µg/L	Micrograms per liter
µmhos/cm	Micromhos per centimeter
gpd	Gallons per day
General Minerals Analysis	Analysis shall include; alkalinity (as CaCO <sub>3</sub> ) bicarbonate(asCaCO <sub>3</sub> ), boron, calcium, carbonate (as CaCO <sub>3</sub> ), chloride, magnesium, nitrate as N, phosphate, potassium, sodium, sulfate, and verification that the analysis is complete (i.e., cation/anion balance)
RWD	Report of Waste Discharge
RL	Reporting Limit
WDR	Waste Discharge Requirements
Semi-Annually	Twice per calendar year