

**STATE OF CALIFORNIA
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
CENTRAL COAST REGION
895 Aerovista Place, Suite 101
San Luis Obispo, California 93401**

DRAFT MONITORING AND REPORTING PROGRAM NO. R3-2005-0063
Waste Discharge Identification No. 3 352000003

Proposed for Consideration at July 8, 2005 Meeting

For

**GRANITE ROCK COMPANY INC.,
SOUTHSIDE SAND AND GRAVEL PLANT NO. 1540,
5632 AIRLINE HIGHWAY, HOLLISTER
SAN BENITO COUNTY**

Reporting responsibilities are specified in Section 13267(b) of the California Water Code. This Discharge Monitoring and Reporting Program is issued in accordance with Provision C.2 of Regional Board Order No. R3-2005-0063.

WATER SUPPLY MONITORING

1. Representative samples of the active Southside Sand and Gravel Plant water supply well(s) shall be collected and analyzed for the constituents and at the frequency specified below:

| Parameter/Constituent ^{a,b} | Units | Sample Type | Minimum Sampling and Analyzing Frequency |
|---|------------------------|--------------------|---|
| pH | - | Grab | Semiannually (March & September) |
| Total Dissolved Solids | mg/l | Grab | Semiannually (March & September) |
| Sodium | mg/l | Grab | Semiannually (March & September) |
| Chloride | mg/l | Grab | Semiannually (March & September) |
| Sulfate | mg/l | Grab | Semiannually (March & September) |
| Boron | mg/l | Grab | Semiannually (March & September) |
| Alkalinity | mg/l CaCO ₃ | Grab | Semiannually (March & September) |
| Hardness | mg/l CaCO ₃ | Grab | Semiannually (March & September) |
| Title 22 inorganic chemicals and other metals ^{c, d} | mg/l (dissolved) | Grab | Biennial (September) |

Notes:

- Sampling results for the Department of Health Services for the same constituents may be submitted to satisfy these requirements.
- Data shall be reported as individual concentrations for each water supply well sampled and calculated as flow weighted averages to represent as applicable. Water supply well(s) sampled shall be clearly identified in reports with consistent notation.
- The inorganic chemicals for which Maximum Contaminant Levels are set forth in Table 64431-A of California Code of Regulations, Title 22, Chapter 15, Article 4, Section 64431-A, plus the additional inorganic chemicals including copper, lead, silver and zinc. Analysis for nitrite may be omitted.
- Sampling for specific constituents may be reduced or eliminated by the Executive Officer upon request by the Discharger provided the Discharger can support the request with appropriate data acceptable to the Executive Officer showing that the constituent is not naturally present in the formation and is not added or created as a byproduct of mining and processing activities at the Facility.

EFFLUENT MONITORING

- Representative samples shall be collected from the first active settling pond in use and analyzed for the parameters/constituents and at the frequencies specified in the following table:

| Parameter/Constituent ^a | Units | Sample Type | Minimum Sampling and Analyzing Frequency |
|---|------------------------|-------------|--|
| Average Daily Flow | Gal/day | Measured | Estimated Monthly |
| pH | - | Grab | Semiannually (March & September) |
| Total Dissolved Solids | mg/l | Grab | Semiannually (March & September) |
| Sodium | mg/l | Grab | Semiannually (March & September) |
| Chloride | mg/l | Grab | Semiannually (March & September) |
| Sulfate | mg/l | Grab | Semiannually (March & September) |
| Boron | mg/l | Grab | Semiannually (March & September) |
| Alkalinity | mg/l CaCO ₃ | Grab | Semiannually (March & September) |
| Hardness | mg/l CaCO ₃ | Grab | Semiannually (March & September) |
| Title 22 inorganic chemicals and other metals ^{b, c} | mg/l (dissolved) | Grab | Biennial (September) |

Notes:

- Effluent samples shall be collected from the fist active settling pond.
- The inorganic chemicals for which Maximum Contaminant Levels are set forth in Table 64431-A of California Code of Regulations, Title 22, Chapter 15, Article 4, Section 64431-A, plus the additional inorganic chemicals including copper, lead, silver and zinc. Analysis for nitrite may be omitted.
- Sampling for specific constituents may be reduced or eliminated by the Executive Officer upon request by the Discharger provided the Discharger can support the request with appropriate data acceptable to the Executive Officer showing that the constituent is not naturally present in the formation and is not added or created as a byproduct of mining and processing activities at the Facility.

GROUNDWATER MONITORING

- Representative samples of groundwater shall be collected from monitoring wells MW-1 and MW-2, or other downgradient monitoring wells acceptable to the Executive Officer, and be analyzed for the constituents and at the frequencies specified in the following table:

| Parameter/Constituent | | Sample | Minimum Sampling and |
|-----------------------|--|--------|----------------------|
|-----------------------|--|--------|----------------------|

| | Units | Type | Analyzing Frequency |
|---|------------------------|----------|----------------------------------|
| Depth to Groundwater ^a | feet | Measured | Semiannually (March & September) |
| pH | - | Grab | Semiannually (March & September) |
| Total Dissolved Solids | mg/l | Grab | Semiannually (March & September) |
| Sodium | mg/l | Grab | Semiannually (March & September) |
| Chloride | mg/l | Grab | Semiannually (March & September) |
| Boron | mg/l | Grab | Semiannually (March & September) |
| Sulfate | mg/l | Grab | Semiannually (March & September) |
| Alkalinity | mg/l CaCO ₃ | Grab | Semiannually (March & September) |
| Hardness | mg/l CaCO ₃ | Grab | Semiannually (March & September) |
| Title 22 inorganic chemicals and other metals ^{b, c} | mg/L (dissolved) | Grab | Biennial (September) |

Notes:

- Report as both depth to water below ground surface and elevation referenced to mean sea level.
- The inorganic chemicals for which Maximum Contaminant Levels are set forth in Table 64431-A of California Code of Regulations, Title 22, Chapter 15, Article 4, Section 64431-A, plus the additional inorganic chemicals including copper, lead, silver and zinc. Analysis for nitrite may be omitted.
- Sampling for specific constituents may be reduced or eliminated by the Executive Officer upon request by the Discharger provided the Discharger can support the request with appropriate data acceptable to the Executive Officer showing that the constituent is not naturally present in the formation and is not added or created as a byproduct of mining and processing activities at the Facility.

FACILITY MONITORING

- The settling ponds and process water recycling system ponds shall be inspected on a weekly basis to ensure adequate freeboard is maintained.
- During the rainy season the settling ponds and process water recycling system ponds shall be inspected daily during and after each rainfall event to ensure adequate freeboard exists. Minimum freeboard levels shall be recorded and reported to this office with the monitoring report.
- Daily inspections of the Facility process, mining, and sedimentation pond areas and roads shall be conducted during and after each rainfall event to verify no offsite discharge of stormwater or erosion as a result of Facility activities is occurring.
- During the required inspections, notes shall be kept of any violations of waste discharge requirements. Photographs shall be taken as practicable to document compliance or any violations. A log of these inspections shall be maintained and a summary of observations made during the inspections shall be submitted with each annual monitoring report along with photographs.

REPORTING

- Annual monitoring reports shall be submitted to the Board by the 20th day of January containing a summary of all the information collected during the last year. The data shall be summarized to demonstrate compliance with the waste discharge requirements. All instances of non-compliance shall be fully explained in the cover letter accompanying the monitoring results.

2. If the Discharger monitors any pollutant designated more frequently than is required by this Monitoring and Reporting Program, the results of such monitoring shall be included in the monitoring reports.
3. Monitoring reports shall contain a to-scale site map identifying active mining and process areas, and all settling and recycled water ponds (both active and reclaimed) with respect to Tres Pinos Creek, water supply well(s), and groundwater wells. The site map shall clearly identify process wastewater, water supply and groundwater sampling locations.
4. Monitoring reports shall be submitted under cover of a completed transmittal/cover sheet as provided as Attachment C the Order (electronic copy provided upon request).

PROVISIONS

1. All monitoring must be conducted according to test procedures established by 40 Code of Federal Regulations Part 136, entitled, "Guidelines Establishing Test Procedures for Analysis of Pollutants." All sampling analyses shall be conducted at the lowest practical quantitation limits achievable under U.S. EPA specified methodology. In cases where effluent limits are set below the lowest achievable practical quantitation limits, constituents not detected at the practical quantitation limit will be considered in compliance with effluent limitations.
2. All samples collected shall be tracked and submitted under chain of custody and analyzed by a laboratory certified by California Department of Health Services for the specified analysis.
3. This Monitoring and Reporting Program may be revised at any time during the Permit term, as necessary, under the authority of the Executive Officer.

ORDERED BY _____
Executive Officer

Date