



EDMUND G. BROWN JR.
GOVERNOR



MATTHEW RODRIGUEZ
SECRETARY FOR
ENVIRONMENTAL PROTECTION

Central Valley Regional Water Quality Control Board

28 August 2012

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REVISED MONITORING AND REPORTING PROGRAM 97-225, COOL CAVE QUARRY, EI DORADO COUNTY

Enclosed is Revised Monitoring and Reporting Program (MRP) No. 97-225 for Teichert Aggregates Cool Cave Quarry in El Dorado County. The revised MRP was prepared in response to your 26 January 2012 *Teichert Cool Cave Quarry Request to Change the MRP's For The Redundancies In The Monitoring System*. We understand that you have reviewed the revisions and concur with them.

The revised MRP is effective as of **1 September 2012**. Please note that the revised MRP requires submittal of monthly and annual monitoring reports. The monthly monitoring report for September is due by 1 November 2012. Additionally, the 2012 Annual Monitoring Report is due by 1 February 2013.

If you have any questions regarding the MRP, please contact Brendan Kenny at (916) 464-4635 or by e-mail at bkenny@waterboards.ca.gov.

WENDY WYELS, Supervisor
Compliance and Enforcement Section

cc: Becky Wood, Teichert Aggregates, Sacramento CA

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
CENTRAL VALLEY REGION

MONITORING AND REPORTING PROGRAM NO. 97-225, REVISION NO. 2

FOR
TEICHERT AGGREGATES
COOL CAVE QUARRY
EL DORADO COUNTY

This Monitoring and Reporting Program (MRP) describes requirements for monitoring the quarry operations, settling ponds, and water supply pits, and is issued pursuant to Water Code Section 13267. The Discharger shall not implement any changes to this MRP unless and until a revised MRP is issued by the Executive Officer.

All samples collected shall be representative of the volume and nature of the discharge or matrix of material sampled. The person collecting the sample shall be identified along with the time, date, and location of each grab sample shall be recorded on the sample chain of custody form.

Field test instruments (such as those used to test temperature, pH, EC, and dissolved oxygen) may be used provided that:

1. The operator is trained in proper use and maintenance of the instruments;
2. The instruments are calibrated prior to each monitoring event;
3. Instruments are serviced and/or calibrated by the manufacturer at their respective recommended frequency; and
4. Field calibration reports are submitted as described in the "Reporting" section of this MRP.

QUARRY OPERATIONS

On a monthly basis, the Discharger shall make notes of the following conditions:

1. Whether processing operations, including washing rock, occurred during the month;
2. The quantity and source location of water used for dust control on roads and the processing plant;
3. The dates, duration, location, and volume of any overflows or seepage off-site;
4. The composition, date, location, and size of blasting charges used within the quarry;
5. Any supply or settling pond modifications and maintenance;
6. Volumes of solid materials removed from the North Settling Pond or other settling pond, storage location, and how the solid materials were disposed of (i.e. sold or reclaimed);
7. Any changes in the locations of the process water supply pits, or solid and wastewater disposal areas; and
8. Any other events or changes, which resulted in an operational change or may have water quality implications.

WASTEWATER SETTLING POND/PIT MONITORING

The North Supply Pit (wastewater settling pond) and any other pond used to settle process water shall be sampled as described below. The Discharger shall select a representative location within each pond to be sampled. All samples shall be collected during the times when the Discharger is actively discharging in the pond. If no discharge has occurred during the current calendar month, then the monitoring report shall clearly state so, and no sampling is required.

<u>Constituent/Parameter</u>	<u>Units</u>	<u>Sampling Frequency</u>	<u>Reporting Frequency</u>
Daily Flow	MGD	Continuous	Monthly
Freeboard	Feet, 0.1 Feet	Weekly	Monthly
Seepage	Observation	Monthly	Monthly
pH	pH units	Monthly	Monthly
Electrical Conductivity	μ mhos/cm	Monthly	Monthly
Nitrate	mg/l	Monthly	Monthly
Sulfate	mg/l	Monthly	Monthly

SUPPLY WATER MONITORING

Sample collection shall be established from the water supply pit such that the samples collected are representative of the nature and volume of the supply water pumped to the quarry for dust control and washing operations. When a supply source is not in use, then the monitoring report shall clearly state so, and no samples are required. Samples shall be collected and analyzed according to the following schedule:

<u>Constituent/Parameter</u>	<u>Units</u>	<u>Sampling Frequency</u>	<u>Reporting Frequency</u>
Daily Flow	MGD	Continuous	Monthly
pH	pH units	Monthly	Monthly
Electrical Conductivity	μ mhos/cm	Monthly	Monthly
Nitrate	mg/l	Semi-Annual	Jan, Jul monthly rpt

REPORTING

In reporting monitoring data, the Discharger shall arrange the data in tabular form so that the date, sample type (e.g., settling pond, supply water 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 Monitoring and Reporting Program shall be reported to the Regional Board.

A. Monthly Reports

Monthly Reports shall be submitted to the Regional Board by the first day of the second month following the month of sampling (i.e., the January monthly report is due by **1 March**). At a minimum, the reports shall include the following:

1. All sample data collected during the month shall be reported in the monthly monitoring report.
2. A scaled map showing relevant structures and features of the facility, the locations of all sampling stations;
3. The results of all quarry operations monitoring, wastewater settling pond/pit monitoring, supply water monitoring and observations logs;
4. A comparison of the monitoring data to the discharge specifications, provisions requirements, and an explanation of any violation of these requirements; and
5. A calibration log verifying calibration of all hand-held monitoring instruments and devices used to comply with the prescribed monitoring program.

B. Annual Monitoring Report

An Annual Monitoring Report shall be submitted by **1 February of each year**. At a minimum, the report shall include the following:

1. A description of any planned changes to the processing facility or amount of ore processed;
2. A tabular summary of the all data reported in the Monthly Monitoring Reports during the previous year;
3. If requested by staff, graphical summaries of all monitoring data obtained during the previous year;

4. A discussion of whether the Quarry operations have complied with the WDRs, and if appropriate, identification of any non-compliance areas, action taken to achieve compliance, and effectiveness of the action taken; and
5. A discussion of any data gaps and potential deficiencies/redundancies in the monitoring system or reporting program.

All monitoring and technical reports required herein shall be submitted pursuant to Section 13267 of the California Water Code. Technical reports submitted by or for the Discharger shall be prepared and stamped by the appropriate registered professional required by the California Business and Professions Code.

A letter transmitting the self-monitoring reports shall accompany each report. Such a letter shall include a discussion of requirement violations found during the reporting period, and actions taken or planned for correcting noted violations, such as operation or facility modifications. If the Discharger has previously submitted a report describing corrective actions and/or a time schedule for implementing the corrective actions, reference to the previous correspondence will be satisfactory. Pursuant to Standard Provisions, General Reporting requirements B.3, the transmittal letter shall contain the following statement by the Discharger, or the Discharger's authorized agent:

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

The Discharger shall implement the above monitoring program as of the date of this Order.



for PAMELA C. CREEDON, Executive Officer

28 August 2012

Date