

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
CENTRAL VALLEY REGION  
MONITORING AND REPORTING PROGRAM NO. R5-2002-0138-004

FOR

TEICHERT AGGREGATES, HALLWOOD FACILITY  
YUBA COUNTY

This monitoring and reporting program (MRP) incorporates requirements for monitoring the designated disposal area, and groundwater; the MRP is issued pursuant to Water Code Section 13267. Teichert Aggregates (hereafter "Discharger") owns and operates a 752-acre aggregate processing facility (Hallwood Facility) located with the Gold Fields in Yuba County. The Discharger shall not implement any changes to this MRP unless and until a further revised MRP is issued by the Executive Officer.

Prior to implementation of sampling activities, Central Valley Regional Water Quality Control Board (Central Valley Water Board) staff shall approve specific sample station locations. Sample collection stations shall be established such that samples collected are representative of the volume and nature of the discharge or matrix of material(s) sampled. The person collecting the sample shall be identified along with the time, date, and location of each sample on the sample chain of custody form.

Field test instruments (such as those used to measure 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. Calibration reports are submitted as described in the "Reporting" 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):

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

Approved editions shall be those that are approved for use by the U.S. Environmental Protection Agency or the State Water Resources Control Board's Environmental 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 concentrations that implement applicable water quality objectives/limits for the constituents to be analyzed.

### DESIGNATED DISPOSAL AREA WASTEWATER POND MONITORING

The designated disposal pond shall be sampled as described below. All samples shall be collected when the Discharger is actively discharging to the pond.

**Table 1. DDA Monitoring**

Constituent/Parameter	Units	Sampling Frequency	Reporting Frequency
Flow Rate	Million gpd	Continuous	Semiannually
Freeboard	0.1 feet	Weekly	Semiannually
Electrical Conductivity	umhos/cm	Semiannually	Semiannually
Total Mercury (See Note 1)	ng/L	Annually	Annually

Note 1: Liquid samples collected for mercury analysis shall be filtered using a 0.45-micron filter.

### GROUNDWATER MONITORING

Groundwater samples shall be collected from all groundwater monitoring wells at the facility. Prior to sampling, groundwater elevations shall be measured, and the wells shall be purged of at least three well volumes and until temperature, pH, and electrical conductivity have stabilized. Stabilization occurs when field parameters vary less than 10 percent between at least two successive measurements during well purging. Low or no-purge sampling methods are acceptable if described in an approved Sampling and Analysis Plan. Depth to groundwater shall be measured to the nearest 0.01 foot. Samples shall be collected using standard EPA methods. Groundwater monitoring shall include, at a minimum, the following:

**Table 2. Groundwater Monitoring**

Constituent	Units	Sampling Frequency	Reporting Frequency
Depth to Groundwater	0.01 foot	Semiannually	Semiannually
Groundwater Elevation	0.01 foot	Semiannually	Semiannually
Gradient Direction	Feet/Feet	Semiannually	Semiannually
pH	Std. Units	Semiannually	Semiannually
Electrical Conductivity	umhos/cm	Semiannually	Semiannually
Total Mercury (See Table Note 1)	ng/L	Annually	Annually

Note 1: samples collected for mercury analysis shall be filtered using a 0.45-micron filter prior to digestion and analysis or equivalent. Mercury samples shall be collected

using the methods described in *Sampling Ambient Water for Trace Metals* (EPA Method 1669) or equivalent.

## REPORTING

All regulatory documents, submissions, materials, data, monitoring reports, and correspondence should be converted to a searchable Portable Document Format (PDF) and submitted electronically. Documents that are less than 50MB should be emailed to:

[centralvalleysacramento@waterboards.ca.gov](mailto:centralvalleysacramento@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  
ECM Mailroom  
11020 Sun Center Drive, Suite 200  
Rancho Cordova, California 95670

To ensure that your submittals are routed to the appropriate staff, the following information block should be included in any correspondence used to transmit documents to this office:

<b>Facility Name: Teichert Materials, Hallwood Facility, Yuba County</b>		
Program: Non-15 Compliance	Order: R5-2002-0138-004	CIWQS Place ID: 229528

In reporting monitoring data, the Discharger shall arrange the data in tabular form so that the date, sample type (e.g., designated disposal area, groundwater), and reported analytical result for each sample are readily discernible. The data shall be summarized 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 Central Valley Water Board.

As required by the California Business and Professions Code Sections 6735, 7835, and 7835.1, all Groundwater Monitoring Reports shall be prepared under the supervision of a Registered Engineer or Professional Geologist and signed/stamped by the registered professional.

### A. Semiannual Monitoring Reports

Data collected weekly, semiannually, and annually shall be included in semiannual monitoring reports which shall be submitted to the Central Valley Water Board by the **1<sup>st</sup> day of the second month after the semiannual period** (i.e. the January-June

semiannual report is due by August 1<sup>st</sup>) and shall include the following:

1. The methods of sample collection, laboratory analysis, and results of the groundwater and monitoring required in the designated disposal area monitoring;
2. A scaled map showing relevant structures and features of the facility; the locations of the designated disposal area, excavation area(s), the associated buffer zones and sampling areas; groundwater monitoring wells and groundwater elevation contours referenced to mean sea level datum;
3. A narrative description of all preparatory, monitoring, sampling, and analytical testing activities for the monitoring. The narrative shall be sufficiently detailed to verify compliance with the WDR, this MRP, and the Standard Provisions and Reporting Requirements. The narrative shall be supported by field logs for each well documenting depth to groundwater; parameters measured before, during, and after purging; method of purging; calculation of casing volume; and total volume of water purged;
4. Calculation of groundwater elevations and discussion of seasonal trends if any;
5. A comparison of the monitoring data to groundwater limitations, and an explanation of any violation of those requirements;
6. Summary data tables of historical and current water table elevations and all analytical results;
7. A calibration log verifying calibration of all hand-held monitoring instruments and devices used to comply with the prescribed monitoring program;
8. A statement of the approximate volume of recycled materials, type of recycled material (broken asphalt pavement, concrete, etc.), and the storage location of the recycled materials.
9. Copies of laboratory analytical report(s) for groundwater monitoring, and;
10. A discussion of compliance and the corrective action taken, as well as any planned or proposed actions needed to bring the discharge into full compliance with the waste discharge requirements.

A letter transmitting the self-monitoring reports shall accompany each report. The letter shall include a discussion of violations discovered during the reporting period, and actions taken or planned for correcting noted violations, such as necessary 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. The transmittal letter shall contain a statement by the discharger, or the discharger's authorized agent, under

penalty of perjury, that to the best of the signer's knowledge the report is true, accurate and complete.

This Order is issued under authority delegated to the Executive Officer by the Central Valley Water Board pursuant to Resolution R5-2018-0057 and is effective upon signature.

Ordered by: \_\_\_\_\_  
for PATRICK PULUPA, Executive Officer