

CENTRAL VALLEY REGIONAL WATER QUALITY CONTROL BOARD

MONITORING AND REPORTING PROGRAM R5-2020-0821
THE GREENBRIAR PROJECT OWNER, LLC
NORTHLAKE DEVELOPMENT AKA GREENBRIAR PROJECT
SACRAMENTO COUNTY

This Monitoring and Reporting Program (MRP) describes requirements for monitoring water from construction dewatering activities discharged to land. This MRP 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 shall be representative of the volume and nature of the discharge or matrix of material sampled. The time, date, and location of each sample shall be recorded on the sample chain of custody form. All analyses shall be performed in accordance with the *Standard Provisions and Reporting Requirements for Waste Discharge Requirements*, dated 1 March 1991 (Standard Provisions). Field test instruments (such as those used to measure pH, electrical conductivity, dissolved oxygen, 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 at the manufacturer's recommended frequency; and
4. Field calibration reports are submitted as described in the "Reporting" section of the 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);
5. *Standard Methods for the Examination of Water and Wastewater* (APHA/AWWA/WEF); and
6. *Soil, Plant and Water Reference Methods for the Western Region* (WREP 125).

Approved editions shall be those that are approved for use by the United States Environmental Protection Agency (EPA) 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 or limits for the constituents to be analyzed.

DEWATERING DISCHARGE AREA MONITORING

The Discharger shall monitor the dewatering discharge areas in accordance with the following. Monitoring shall be performed at least daily and the results shall be included in the monthly monitoring report.

Parameter	Units	Type of Sample	Monitoring Frequency	Reporting Frequency
Flow from dewatering wells to water storage basin(s)	gallons	Flow meter	daily	Monthly
Flow from water storage basin(s) to man-made water quality basin	gallons	Flow meter	daily	Monthly
Flow from water storage basin(s) for dust control	gallons	Flow meter	daily	Monthly
Flow from water storage basin(s) for moisture conditioning	gallons	Flow meter	daily	Monthly
Net acreage receiving discharge for dust control	acre	estimation	daily	Monthly
Rainfall	inches	Measurement	daily	Monthly

WATER STORAGE BASIN MONITORING

The Discharger shall monitor the dewatering discharge into the water storage basin(s) in accordance with the following. Monitoring shall be performed at least weekly and the results shall be included in the monthly monitoring report. Erosion, ground saturation, the effectiveness of containment berms and levees, and nuisance conditions shall be evaluated weekly and discussed in the report.

Parameter	Units	Type of Sample	Monitoring Frequency	Reporting Frequency
Freeboard	± 0.1 feet	Measurement	Weekly	Monthly
pH	pH units	Grab	Weekly	Monthly
Odors	--	observation	Weekly	Monthly
Berm seepage	--	observation	Weekly	Monthly

REPORTING

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

Facility Name: Northlake Development, Sacramento County
Program: Non-15 Compliance
Order: 2003-0003-DWQ-0211
CIWQS Place ID: CW-867169

In reporting monitoring data, the Discharger shall arrange the data in tabular form so that the date and monitoring results are readily discernible. The data shall be summarized in such a manner to clearly illustrate compliance with the conditions of Water Quality Order No. 2003- 0003-DWQ. 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.

All monitoring reports shall comply with the signatory requirements in Standard Provision B.3. For a Discharger conducting any of its own analyses, reports must also be signed and certified by the chief of the laboratory.

Laboratory reports submitted in compliance with this MRP shall include the constituent name, sample location, sample name, sample date, analysis date, analytical method, dilution factor, result, units, and method detection limit (MDL).

In addition to the details specified in Standard Provision C.3, monitoring information shall include the 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.

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

A. Monthly Monitoring Reports

Monthly reports shall be submitted to the Central Valley Water Board on the **1st day of the second month following monitoring** (i.e. the January Report is due by 1 March). At a minimum, the monthly monitoring reports shall include the results of dewatering discharge area monitoring, as specified above.

B. Additional Reporting

1. A discussion of compliance and corrective actions taken, if any, as well as any planned or proposed actions needed to bring the discharge into full compliance with the General Order.
2. Monitoring equipment maintenance and calibration records, as described in Section C.4 of the Standard Provisions, shall be maintained by the Discharger, and provided upon request to the Central Valley Water Board.
3. A discussion of any treatment or control measures implemented during the duration of the project, either voluntarily or pursuant to the General Order, this MRP, any other Order or their DMP.

A letter transmitting the self-monitoring reports shall accompany each report. The 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 submitting 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 the penalty of perjury statement by the submitting Discharger or its authorized agent as described in Section B.3 of the Standard Provisions.

The Discharger shall implement the above monitoring program on the first day of the month following adoption of this Order.

This Order is issued under the authority delegated to the Executive Officer by the Central Valley Water Board pursuant to Resolution R5-2009-0027 and is effective upon signature.

Ordered by:

(for) PATRICK PULUPA, Executive Officer

July 31, 2020

Date