CALIFORNIA REGIONAL WATER QUALITY CONTORL BOARD
CENTRAL VALLEY REGION

MONITORING AND REPORTING PROGRAM R5-2026-0014
FOR
BASALITE BUILDING PRODUCTS, LLC
BASALITE CONCRETE PRODUCTS
SOLANO COUNTY

This Monitoring and Reporting Program (MRP) for the Basalite Building Products, LLC (Discharger) Basalite Concrete Products (Facility) is issued pursuant to Water Code section 13267. This MRP establishes monitoring and reporting requirements related to the waste discharges regulated under Waste Discharge Requirements (WDRs) R5-2026-0014. 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.

The Discharger owns and operates the Facility. The wastewater treatment system and the land application areas (LAAs) are subject to WDRs Order R5-2026-0014. 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. This MRP may be separately 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. The Central Valley Water Board Executive Officer shall approve any proposed changes to flow monitoring locations prior to implementation of the change. All flow monitoring systems shall be appropriate for the conveyance system and liquid type. 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. The 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 MRP:

Table 1 - Monitoring Locations

Monitoring Location	Monitoring Location Description
INF-001	Influent flow rates shall be monitored when the untreated wastewater enters the first Settling Basin.
INF-002	First Settling Basin opposite the inlet.
EFF-001	Last connection for the treated wastewater from the third Settling Basin prior to being discharged to the Storage Pond.
EFF-002	Final discharge point from a water truck.
PND-001	Effluent Storage Pond at a depth of one foot, opposite the inlet near the pumping location for water truck.
LAA-001	Land application areas
SW-001	City of Dixon water supply

C. SAMPLING AND ANALYSIS

All samples and measurements 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 wastewater, 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, 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):

- 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 the Western Region (WREP 125).

Approved editions shall be those that are approved for use by the U.S. 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/limits for the constituents to be analyzed.

II. SPECIFIC MONITORING REQUIREMENTS

A. INFLUENT MONITORING (INF-001, INF-002)

Influent flow rates shall be monitored at Monitoring Location INF-001. Samples of influent shall be collected at Monitoring Location INF-002. At a minimum, influent monitoring shall consist of the following:

Table 2. Influent Monitoring

Constituent	Units	Sample Type	Sampling Frequency	Reporting Frequency
Flow Rate	gpd	Meter Observation, Note 1	Monthly	Quarterly
pH	Standard Units	Grab	Monthly	Quarterly

Note 1: Alternatively, flow rate could be estimated based on water usage.

B. TREATED WASTEWATER TO POND MONITORING (EFF-001)

The samples shall be collected at Monitoring Location EFF-001.

Table 3. Monitoring of Treated Wastewater to Pond

Constituent	Units	Sample Type	Sampling Frequency	Reporting Frequency
pH	Standard Units	Grab	Monthly	Quarterly

C. EFFLUENT STORAGE POND MONITORING (PND-001)

The effluent Storage Pond shall be monitored as follows. Samples shall be collected at Monitoring Location PND-001. Dissolved oxygen monitoring is to be performed between the hours of 8:00 a.m. and 10:00 a.m., as feasible. Containment levees shall be observed for signs of seepage or surfacing water along the exterior toe of the levees. If the pond is empty on the scheduled monitoring date, the Discharger shall report the freeboard monitoring result as “dry”.

Table 4. Effluent Storage Pond Monitoring

Constituent	Units	Sample Type	Sampling Frequency	Reporting Frequency
Dissolved Oxygen	mg/L	Grab	Monthly	Quarterly
Freeboard	0.1 feet	Measurement	Monthly	Quarterly
Odors	--	Observation	Monthly	Quarterly
Levee condition	--	Observation	Monthly	Quarterly
pH	Standard Units	Grab	Monthly	Quarterly
Depth of Sludge	Nearest 0.1 feet	Observation	Annually	Annually
Minerals, see Note 1	mg/L	Grab	Annually	Annually

Note 1: Standard minerals shall include, at a minimum, the following elements and compounds: arsenic, barium, boron, calcium, chloride, electrical conductivity, nitrate as nitrogen, magnesium, sodium, sulfate, total chromium, hexavalent chromium, total dissolved solids, vanadium, total alkalinity (including alkalinity series), and hardness. Samples shall be filtered with a 0.45-micron filter prior to preservation, digestion, and analysis.

D. MONITORING OF WASTEWATER FOR DUST CONTROL (EFF-002)

When the wastewater is applied to LAAs for dust control, the samples shall be collected at Monitoring Location EFF-002. If potable water is mixed with the treated wastewater, then samples shall be reprehensive of water quality of the mixture. At a minimum, monitoring shall consist of the following:

Table 5. Monitoring of Wastewater for Dust Control

Constituent	Units	Sample Type	Sampling Frequency	Reporting Frequency
Electrical Conductivity	µmhos/cm	Grab	Monthly	Quarterly
pH	Standard Units	Grab	Monthly	Quarterly
Nitrate as Nitrogen	mg/L	Grab	Quarterly	Quarterly
Total Nitrogen	mg/L	Grab	Quarterly	Quarterly
Hexavalent Chromium	µg/L	Grab	Quarterly	Quarterly

E. LAND APPLICATION AREA MONITORING (LAA-001)

If potable water is mixed with treated wastewater for dust control, the flow applied to the LAAs shall be the total flow rate of the mixture. The effluent shall be applied to the LAAs evenly in order to prevent runoff from the LAAs and/or ponding condition at the LAAs. Monitoring of the LAAs shall be conducted when the LAAs are used, and the results shall be included in the quarterly monitoring report. Evidence of erosion, saturation, irrigation runoff, or the presence of nuisance conditions shall be noted in the report. Effluent monitoring results shall be used in calculations to ascertain loading rates at the LAAs. Monitoring of the LAAs shall include the following:

Table 6. Land Application Area Monitoring

Constituent	Units	Sample Type	Sampling Frequency	Reporting Frequency
Wastewater Flow to LAAs	gpd	Meter Observation (note 1)	Daily	Quarterly
Rainfall, see note No.2	inches	Observation	Daily	Quarterly
Acreage Applied, see note No.3	acres	Observation	Daily	Quarterly
Hydraulic Loading Rate	inch/day	Calculated	Daily	Quarterly
Any Runoff / Ponding	--	Observation	Daily	Quarterly

Notes:
1) Or calculated based on the number of water truck loads.
2) Precipitation data obtained from the nearest National Weather Service rain gauge is acceptable.
3) Specific disposal fields shall be identified.

At least once per week when the LAAs are being used, the entire LAAs shall be inspected to identify any equipment malfunction or other circumstances that might allow irrigation runoff to leave the irrigation area and/or create ponding conditions. Odors that have the potential to be objectionable at or beyond the property boundary shall be noted and mitigated, as necessary. A daily log of each inspection shall be kept

at the facility and be submitted with the monthly monitoring reports. If the LAAs are not used, then the monthly monitoring reports shall state so.

F. SLUDGE AND SOLID WASTE MONITORING

The Discharger shall evaluate the amount of solids at the bottom of effluent Storage Pond once year and remove them as needed to maintain storage capacity.
The Discharger shall report the handling and disposal of all solids (e.g., screenings, grit, sludge, biosolids, etc.) generated at the wastewater system. Records shall include the name/contact information for the hauling company, the type and amount of waste transported, the date removed from the wastewater system, the disposal facility name and address, and copies of analytical data required by the entity accepting the waste. These records shall be submitted as part of the annual monitoring report.

G. WATER SUPPLY MONITORING (SW-001)

A sampling station shall be established where a representative sample of the water supply can be obtained. Water supply monitoring may be substituted with the annual report of the supplying agency. Water supply monitoring shall include at least the following:

Table 7. Water Supply Monitoring

Constituent	Units	Sample Type	Sampling and Reporting Frequency
Total Dissolved Solids	mg/L	Grab	Annually
Electrical Conductivity	µmhos/cm	Grab	Annually
Total Chromium	µg/L	Grab	Annually
Nitrate as Nitrogen	mg/L	Grab	Annually
Hexavalent Chromium	µg/L	Grab	Annually
pH	pH Unit	Grab	Annually
Standard Minerals (Note 1)	mg/L	Grab	Annually

Note 1: Standard Minerals shall include, at a minimum, the following elements and compounds: arsenic, boron, calcium, dissolved iron, magnesium, dissolved manganese, sodium, potassium, chloride, sulfate, total alkalinity (including alkalinity series), and hardness. Samples shall be filtered with a 0.45-micron filter prior to preservation, digestion, and analysis.

III. REPORTING REQUIREMENTS

The Discharger must submit all monitoring reports and analytical monitoring results to the State Water Resources Control Board's (State Water Board's) GeoTracker database. GeoTracker is an Internet-accessible database system used by the State Water Board,

regional boards, and local agencies to track and archive compliance data from authorized or unauthorized discharges of waste to land, or unauthorized releases of hazardous substances from underground storage tanks. This system consists of a relational database, online compliance reporting features, a geographical information system (GIS) interface, and other features that are utilized by regulatory agencies, regulated industries, and the public to input, manage, or access compliance and regulatory tracking data.

GeoTracker Electronic Reporting Requirements: All monitoring reports and monitoring results shall be submitted to GeoTracker in accordance with the timeframes specified below and in searchable Portable Document Format (PDF). The Discharger shall follow the applicable Electronic Submittal of Information (ESI) requirements under the Facility-specific Global Identification Number **WDR100053819** at the GeoTracker database.

(https://geotracker.waterboards.ca.gov/esi/login.asp)

Additional GeoTracker support information can be found at the following:

a. 'Guides/Resources' document link in the "Tools" on the Discharger's GeoTracker ESI account.

b. Resources on the GeoTracker ESI website, such as the Beginner's Guide (https://www.waterboards.ca.gov/ust/electronic_submittal/docs/geotracker_esi_rp_beginners_guide_revisedoct2019.pdf)

c. General GeoTracker Help Desk contact information: Phone: 1-866-480-1028, Email: geotracker@waterboards.ca.gov

A transmittal letter shall accompany each monitoring report. The letter shall include a discussion of all violations of the WDRs and this MRP 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 the following penalty of perjury and shall be signed 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 those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.*

In reporting monitoring data, the Discharger shall arrange the data in tabular form so that the date, sample type (e.g., effluent, pond, 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 to the Central Valley Water Board.

Contract laboratory analysis reports shall be included in the monitoring reports. All laboratory reports must be retained for a minimum of three years in accordance with Section C.3 of the 1 March 1991 Standard Provisions and Reporting Requirements. For a Discharger conducting any of its own analyses, reports must also include a letter signed by the chief of the laboratory that certifies the results completed by the Discharger's laboratory.

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 under the direction of persons registered to practice in California pursuant to California Business and Professions Code Business and Professions Code sections 6735, 7835, and 7835.1.

A. MONITORING REPORT DUE DATES

Monitoring reports are due as described in the table below.

Table 8. Monitoring Report Due Dates

Monitoring reports	Report Monitoring Period	Report Due Date
First Quarter	1 January to 31 March	1 May
Second Quarter	1 April to 30 June	1 August
Third Quarter	1 July to 30 September	1 November
Fourth Quarter	1 October to 31 December	1 February
Annual	1 January to 31 December	1 February

B. Quarterly Monitoring Reports

Quarterly reports shall be submitted to the Regional Board by the **1st day of the second month** following the end of the quarterly reporting period. At a minimum, the reports shall include:

1. Results of the influent, effluent to the Storage Pond, Storage Pond, treated wastewater applied to LAAs, and land application area monitoring;

2. Summary of monthly rates for influent and wastewater for dust control.

3. Copies of inspection logs;

4. A comparison of the monitoring data to the discharge specifications and an explanation of any violation of those requirements;

5. Date(s) on which the monitoring instruments were calibrated.

C. Annual Report

In addition to the quarterly monitoring reports, an Annual report shall be prepared. The Annual Report shall be submitted to the Central Valley Water Board by **1 February** each year. The Annual Report shall include the following:

1. The results from annual monitoring of the wastewater and water supply;

2. Summary of influent monthly and annual total flow rates;

3. Summary of monthly and annual total flows for wastewater (or mixture of potable water and wastewater) applied to the LAAs for dust control;

4. Summary of monthly/quarterly concentrations of nitrate as nitrogen, total nitrogen, EC, and hexavalent chromium for the wastewater (or mixture of potable water and wastewater) applied to the LAAs;

5. The sludge depth monitoring from the effluent Storage Pond and documents of sludge removal if sludge is removed during the year.

6. 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 WDRs;

7. A discussion of any data gaps and potential deficiencies/redundancies in the monitoring system or reporting program;

8. Based on monitoring data, an evaluation of the effectiveness of the treatment or control measures implemented to date;

9. Tabular and graphical summaries of all data collected during the year, and

10. Monitoring equipment maintenance and calibration records, as described in Section C.4 of the SPRRs, shall be maintained by the Discharger and provided upon request by the Central Valley Water Board.

ENFORCEMENT

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.

ADMINISTRATIVE REVIEW

Any person aggrieved by this action of the Central Valley Water Board may petition the State Water Board for administrative review in accordance with Water Code section 13320, and California Code of Regulations, title 23, section 2050 et seq. To be timely, the State Water Board must receive the petition by 5pm on the 30th day after the date of this Order, except that if the 30th day falls on a Saturday, Sunday or State Holiday, the petition must be received by the State Water Board by 5pm on the next business day. Copies of the law and regulations applicable to filing petitions may be found on the Internet on the

Water Boards Public Notice web page
(http://www.waterboards.ca.gov/public_notices/petitions/water_quality).

The Discharger shall begin implementing the monitoring program the first day of the month following adoption of 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 R5-2026-0014 issued by the California Regional Water Quality Control Board, Central Valley Region, on 17 April 2026.

Ordered by: Patrick Pulupa Date: 2026.05.15 16:23:07 -07'00'
Water Boards
for PATRICK PULUPA, Executive Officer

Units

Ac	acre
gpd	gallons per day
in/ac/day	inch per acre per day
µg/L	micrograms per liter
µmhos/cm	micromhos per centimeter
mg/L	milligrams per liter
mg[d]	million gallons [per day]
MPN/100 mL	most probable number per 100 milliliter