



EDMUND G. BROWN JR.
GOVERNOR

MATTHEW RODRIGUEZ
SECRETARY FOR
ENVIRONMENTAL PROTECTION

Los Angeles Regional Water Quality Control Board

April 27, 2018

Mr. Timothy Seeno
Vulcan Materials Company
7220 Trade Street, Suite 200
San Diego, California 92121

Certified Mail
Return Receipt Required
Claim No. 7017 1450 0002 1559 0652

REVISED MONITORING AND REPORTING PROGRAM NO. CI-10263 – HEWITT LANDFILL, 7245-7361 LAUREL CANYON BOULEVARD, NORTH HOLLYWOOD, CALIFORNIA (FILE NO. 16-103, ORDER NO. R4-2014-0187, SERIES NO. 079, CI-10263, GLOBAL ID. WDR100039501)

Dear Mr. Seeno:

On September 16, 2016, the California Regional Water Quality Control Board, Los Angeles Region (Regional Board) enrolled you under General Waste Discharge Requirements (WDR Order No. R4-2014-0187) with a Monitoring and Reporting Program (MRP) No. CI-10263 for a pilot test to re-inject treated groundwater for groundwater remediation at the subject site. The October 2017 groundwater monitoring results indicated that tetrachloroethylene, trichloroethylene, and 1,4-dioxane were detected at concentrations up to 40 micrograms per liter ($\mu\text{g/L}$), 120 $\mu\text{g/L}$, and 590 $\mu\text{g/L}$ respectively.

Based on the evaluation of pilot study results, the Discharger submitted the *Pilot Test Results and Amendment to Interim Remedial Action Plan* (AIRAP) dated August 15, 2017 to propose a full-scale pump, treat, and re-inject groundwater remediation system. On February 7, 2018, Regional Board staff approved the AIRAP.

Approximately 669,600 gallons (daily maximum volume) of treated groundwater will be injected into 12 injection wells (IW-2 through IW-4, IW-7 through IW-13, IW-15, and IW-16) at depths from approximately 243 to 510 feet below ground surface.

The proposed discharge shall not cause the mineral constituents of the receiving groundwater at the compliance point, downgradient outside the application area, in excess of applicable limits (Area Encompassing Rinaldi-Toluca-Tujunga-Erwin-North Hollywood-Whitnall-Los Angeles / Verdugo-Crystal Springs-Headworks-Glendale / Burbank Well Fields of the San Fernando Valley Groundwater Basin) given in Attachment B of General WDRs Order No. R4-2014-0187. The groundwater quality objectives are 600 milligrams per liter (mg/L) for total dissolved solids, 250 mg/L for sulfate, 100 mg/L for chloride, and 1.5 mg/L for boron.

The revised MRP, which incorporates the full-scale groundwater remediation system, is enclosed. The Discharger shall comply with the Electronic Submittal of Information (ESI) requirements by submitting all reports required under the revised MRP, including groundwater monitoring data, discharge location data, and pdf monitoring reports to the State Water Resources Control Board GeoTracker database under Global ID WDR100026461. Please do not combine other reports with your monitoring reports. Submit each type of report as a separate document.

For all parties who upload electronic documents to State Database GeoTracker, it is no longer necessary to email a copy of these documents to losangeles@waterboards.ca.gov or submit hard copies to our office. The Regional Board will no longer accept documents (submitted by either hard copy or email) already uploaded to GeoTracker. Please see Electronic Submittal to the Los Angeles Regional Board for GeoTracker Users dated December 12, 2011 at:

<http://www.waterboards.ca.gov/losangeles/resources/Paperless/Paperless%20Office%20for%20OGT%20Users.pdf>

To avoid paying future annual fees, please submit a written request for termination of your enrollment under the general WDR in a separate letter when the project is completed and the WDR is no longer needed. Be aware that the annual fee covers the fiscal year billing period beginning July 1 and ending June 30, the following year. You will pay the full annual fee if your request for termination is made after the beginning of the new fiscal year beginning July 1.

If you have any questions, please contact the Project Manager, Dr. Ann Chang at (213) 620-6122 (ann.chang@waterboards.ca.gov), or the Chief of Groundwater Permitting Unit, Dr. Eric Wu at (213) 576-6683 (eric.wu@waterboards.ca.gov).

Sincerely,



Deborah J. Smith
Executive Officer

Enclosure: Revised Monitoring and Reporting Program No. CI-10263 dated April 27, 2018

cc: Bill Fowler, Golder Associates, Inc.

STATE OF CALIFORNIA
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
LOS ANGELES REGION

REVISED MONITORING AND REPORTING PROGRAM NO. CI-10263
FOR
HEWITT LANDFILL
7245-7361 LAUREL CANYON BOULEVARD, NORTH HOLLYWOOD, CALIFORNIA

ENROLLMENT UNDER REGIONAL BOARD
ORDER NO. R4-2014-0187 (SERIES NO. 079)
FILE NO. 16-103

I. MONITORING AND REPORTING REQUIREMENTS

- A. CalMat Co. (hereinafter Discharger) shall implement this Monitoring and Reporting Program (MRP) on the effective date (April 27, 2018) under Regional Board Order No. R4-2014-0187. The next monitoring report shall be received at the Regional Board by **July 30, 2018**. Subsequent monitoring reports shall be received at the Regional Board according to the following schedule:

<u>Monitoring Period</u>	<u>Report Due</u>
January – March	April 30
April – June	July 30
July – September	October 30
October – December	January 30

- B. If there is no discharge or injection, during any reporting period, the report shall so state. By March 1 of each year, the Discharger shall submit an annual summary report to the Regional Board. The report shall contain both tabular and graphical summaries of the monitoring data obtained during the previous calendar year. In addition, the Discharger shall discuss the compliance record and the corrective actions taken or planned, which may be needed to bring the discharge into full compliance with the waste discharge requirements.
- C. The Discharger shall comply with requirements contained in Section G of Regional Board Order No. R4-2014-0187 "*Monitoring and Reporting Requirements*".

II. DISCHARGE MONITORING PROGRAM

The monitoring reports shall contain the following information regarding the injection activities:

1. Location map showing injection points used for re-injection of treated groundwater.
2. Written and tabular summary defining depth of injection points, quantity of treated groundwater re-injected at each injection point per day, and a summary describing the days on which the system is in operations.
3. The Discharger shall conduct a monitoring program on treated groundwater effluent before re-injecting it to the aquifer. Treated groundwater samples shall be collected for the following chemical analyses:

CONSTITUENT	UNITS	TYPE OF SAMPLE	MINIMUM FREQUENCY OF ANALYSIS
Total Dissolved Solids	mg/L	grab	Weekly during the first three months of operation and monthly thereafter
Sulfate	mg/L	grab	Weekly during the first three months of operation and monthly thereafter
Chloride	mg/L	grab	Weekly during the first three months of operation and monthly thereafter
Boron	mg/L	grab	Weekly during the first three months of operation and monthly thereafter
Volatile Organic Compounds	µg/L	grab	Weekly during the first three months of operation and monthly thereafter
Perchlorate	µg/L	grab	Weekly during the first three months of operation and monthly thereafter
1,4-Dioxane	µg/L	grab	Weekly during the first three months of operation and monthly thereafter
1,2,3-Trichloropropane (1,2,3-TCP)	µg/L	grab	Weekly during the first three months of operation and monthly thereafter

CONSTITUENT	UNITS	TYPE OF SAMPLE	MINIMUM FREQUENCY OF ANALYSIS
N-Nitrosodiethylamine (NDEA)	ng/L	grab	Weekly during the first three months of operation and monthly thereafter
N-Nitrosodimethylamine (NDMA)	ng/L	grab	Weekly during the first three months of operation and monthly thereafter

III. GROUNDWATER MONITORING PROGRAM

A groundwater monitoring program shall be implemented to evaluate impacts associated with the injection activity. Groundwater samples shall be collected from monitoring wells MW-3A, MW-3D, MW-5, MW-5D, MW-9, MW-11S, MW-11D, MW-12A, MW-12D, MW-19A, and MW-19B (Figure 1). The Discharger shall conduct a baseline sampling prior to the proposed injection, followed by specified schedules from all 11 monitoring wells for the following groundwater parameters:

CONSTITUENT	UNITS	TYPE OF SAMPLE	MINIMUM FREQUENCY OF ANALYSIS
Dissolved Oxygen	mg/L	grab	Baseline, monthly for the first three months of operation and quarterly thereafter
Oxidation-Reduction Potential	millivolts	grab	Baseline, monthly for the first three months of operation and quarterly thereafter
pH	pH units	grab	Baseline, monthly for the first three months of operation and quarterly thereafter
Specific Conductivity	mS/cm	grab	Baseline, monthly for the first three months of operation and quarterly thereafter
Temperature	°C	grab	Baseline, monthly for the first three months of operation and quarterly thereafter
Turbidity	NTU	grab	Baseline, monthly for the first three months of operation and quarterly thereafter

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CONSTITUENT	UNITS	TYPE OF SAMPLE	MINIMUM FREQUENCY OF ANALYSIS
Total Organic Carbon	mg/L	grab	Baseline, monthly for the first three months of operation and quarterly thereafter
Total Dissolved Solids	mg/L	grab	Baseline, monthly for the first three months of operation and quarterly thereafter
Sulfate	mg/L	grab	Baseline, monthly for the first three months of operation and quarterly thereafter
Chloride	mg/L	grab	Baseline, monthly for the first three months of operation and quarterly thereafter
Boron	mg/L	grab	Baseline, monthly for the first three months of operation and quarterly thereafter
Nitrate and Nitrite	mg/L	grab	Baseline, monthly for the first three months of operation and quarterly thereafter
Volatile Organic Compounds	µg/L	grab	Baseline, monthly for the first three months of operation and quarterly thereafter
Perchlorate	µg/L	grab	Baseline, monthly for the first three months of operation and quarterly thereafter
1,4-Dioxane	µg/L	grab	Baseline, monthly for the first three months of operation and quarterly thereafter
1,2,3-Trichloropropane (1,2,3-TCP)	µg/L	grab	Baseline, monthly for the first three months of operation and quarterly thereafter
N-Nitrosodiethylamine (NDEA)	ng/L	grab	Baseline, monthly for the first three months of operation and quarterly thereafter
N-Nitrosodimethylamine (NDMA)	ng/L	grab	Baseline, monthly for the first three months of operation and quarterly thereafter

All groundwater monitoring reports must include, at a minimum, the following:

- a. Well identification, date and time of sampling;
- b. Sampler identification, and laboratory identification;
- c. Observation of groundwater levels, recorded to 0.01 feet mean sea level and groundwater flow direction.

IV. MONITORING FREQUENCIES

Specifications in this monitoring program are subject to periodic revisions. Monitoring requirements may be modified or revised by the Executive Officer based on review of monitoring data submitted pursuant to this Order. Monitoring frequencies may be adjusted to a less frequent basis or parameters and locations dropped by the Executive Officer if the Discharger makes a request and the request is backed by statistical trends of monitoring data submitted.

V. CERTIFICATION STATEMENT

Each report shall contain the following completed declaration:

"I certify under penalty of law that this document, including all attachments and supplemental information, was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of a fine and imprisonment.

Executed on the _____ day of _____ at _____

_____ (Signature)

_____ (Title)"

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VI. PUBLIC DOCUMENTS

All records and reports submitted in compliance with Regional Board Order No. R4-2014-0187 and Monitoring and Reporting Program No. CI-10263 are public documents and will be made available for inspection during business hours at the office of the California Regional Water Quality Control Board, Los Angeles Region, upon request by interested parties. Only proprietary information, and only at the request of the Discharger will be treated as confidential.

VII. ELECTRONIC SUBMITTAL OF INFORMATION

The Discharger shall comply with the Electronic Submittal of Information (ESI) requirements by submitting all reports required under the MRP, including groundwater monitoring data in Electronic Deliverable Format, discharge location data, and searchable Portable Document Format of monitoring reports to the State Water Resources Control Board GeoTracker database under Global ID WDR100039501.

Ordered by:



Deborah J. Smith
Executive Officer

Date: April 27, 2018

