



216.341.1800 ▪ augustmack.com
4401 Rockside Road, Suite 300 ▪ Independence, Ohio 44131

January 10, 2025

Christopher Biro
Ohio Environmental Protection Agency
Northeast District Office
2110 East Aurora Road
Twinsburg, Ohio 44087

**Re: Monthly Progress Report - December 2024
Material Sciences Corporation
460 W Main Street
Canfield, Ohio 44406
OHD000810283
August Mack Project Number: JY2380.372**

Dear Mr. Biro,

On behalf of Material Sciences Corporation, August Mack Environmental, Inc. (August Mack) is submitting the attached Monthly Progress Report. This submittal was prepared in accordance with the Director's Final Findings and Orders, which were effective on December 31, 2024. This submittal includes information regarding site activities in December 2024.

Should you have any questions or need any additional information, please do not hesitate to contact us,

Sincerely,

A handwritten signature in black ink, appearing to read "Brandon C. Lewis".

Brandon C. Lewis, CP, CHMM
Regional Director, Ohio Offices

A handwritten signature in black ink, appearing to read "Charles T. Gomez".

Charles T. Gomez, LPG
Principal of Closure Services



December 2024
MONTHLY PROGRESS REPORT
Material Sciences Corporation
460 W Main Street
Canfield, Ohio 44406

Submitted To: Christopher Biro, Environmental Specialist – Ohio EPA

Prepared By: August Mack Environmental, Inc.

On Behalf of: Material Sciences Corporation

Reporting Period: December 1, 2024 through December 31, 2024.

1. Describe the status of the Work and actions taken toward achieving compliance with the Orders during the reporting period.
 - a. Execution of the Director’s Final Findings and Orders (DFFO) on December 30, 2024
 - b. Initial Site Investigation Ground Water Sampling completed.
 - i. Work was performed from November 12, 2024 to December 4, 2024.
 - c. Initial Site Investigation (ISI) Report submitted to Ohio EPA on December 12, 2024.
 - d. Indoor Air Sampling in facility building on December 13, 2024.
 - i. Results were received on January 6, 2025 and show non-detect values for TCE in indoor air at the facility.
 - e. Water treatment pilot testing was completed from December 16, 2024, to December 18, 2024.
 - i. Concentrations in post treatment water were below discharge limits, except for total suspended solids (TSS) (which was anomalous given the clarity of the water). TSS will be resampled to confirm the result.
 - ii. A Permit to Install (PTI) is currently being drafted for water treatment.
 - f. The manhole on the eastern portion of the site connected to the red line (near the ditch) was filled with grout on December 19, 2024.
 - g. Ten water storage tanks (543H, P6017, BT-623041, 553G, BT-623040, P6042, 523C, BT-623049, BT-623030, and P6006) were sampled for waste characterization and potential treatment.
 - i. Work was performed from December 18, 2024, to December 19, 2024.
 - h. 13,800 gallons of water containing over 1,000 parts per million (ppm) cyanide concentration level (W1 profile) was picked up and disposed of at

Heritage Environmental Services in Indianapolis, Indiana during this reporting period.

- i. 57,676 gallons of water containing less than 1,000 ppm cyanide concentration level (W2 profile) was picked up and disposed of at a Heritage Environmental Services in Indianapolis, Indiana during this reporting period.
 - j. 370 feet of the interim measures ditch liner has been installed.
 - i. Work will continue into the next reporting period.
 - k. Initiation of installation of fencing around the wetland area to the north to prevent direct contact with soils in the wetland.
2. Describe difficulties encountered during the reporting period and actions taken to rectify any difficulties.
- a. Due to freezing temperatures on December 23, 2024, the intermediate poly tank containing contaminated water from the line of compliance dam (LOC) spilled onto soil immediately east of the poly tank, which is near the LOC. Six inches of soil was removed from the impacted area, and three confirmation samples were taken as confirmation after soil removal. The impacted area was immediately backfilled with gravel.
 - i. Samples were analyzed for hexavalent chromium, RCRA 8 metals, zinc, copper, and total cyanide. August Mack is currently awaiting confirmation sampling results.
3. Describe activities planned for the next month.
- a. Continued pick up of water with cyanide concentrations over 1,000 ppm (W1 profile) wastewater and disposal at Heritage Environmental Services in Indianapolis, Indiana.
 - b. Continued pick up of water with cyanide concentrations less than 1,000 ppm (W2 profile) wastewater and disposal at Heritage Environmental Services in Indianapolis, Indiana.
 - c. Begin pick up and disposal of soil derived waste from Interim measure implementation and the site investigation.
 - d. TCE Interim Measures Workplan to be submitted to OEPA during the next reporting period per the DFFO.
 - e. Contacting residents along the Tributary to Sawmill Creek to establish access agreements for additional sampling and fencing.
 - f. Continued implementation of the ditch liner interim measure, including regular inspections in accordance with the DFFO.
 - g. Storage tank sampling, as needed, to determine Cyanide concentrations for waste pick up and disposal.
 - h. On-going water recovery efforts will continue to ensure contaminated water does not flow past the LOC.

- i. Secondary containment fluid management will continue to ensure no additional releases if leaks should occur.
 - j. Completion of fencing around wetland.
 - k. Drafting of PTI for water treatment and initiation of treatment efforts if possible.
 - l. Continued discussions with the School District about access for installing a fence on the high school property along the Sawmill Creek tributary and for vapor intrusion sampling.
4. Identify changes in key personnel.
 - a. On January 7, 2025, August Mack Environmental sent a notice to Ohio EPA, per section IX of the DFFO, designating Brandon Lewis, CP, CHMM, as the Project Manager, and Charles T. Gomez, LPG, as the Alternate Project Manager.
5. List target and actual completion dates for each element of activity, including project completion.
 - a. Initial Site Investigation (ISI)
 - i. ISI conducted beginning in October 2024.
 - ii. ISI Report Submitted to Ohio EPA on December 12, 2024.
 - b. Ditch Interim Measure
 - i. Plan Submitted to Ohio EPA on October 7, 2024.
 - ii. Interim Measure planned to be completed by the end of January, weather & progress dependent.
 - c. Vapor Intrusion
 - i. Indoor Air Sampling in facility building on December 13, 2024.
 - ii. TCE Interim Measures Workplan to be submitted to OEPA during the next reporting period per the DFFO.
 1. Sampling will be conducted following approval of the workplan.
 - d. Water Treatment
 - i. Water treatment pilot testing was completed December 2024.
 - ii. A Permit to Install (PTI) is currently being drafted for water treatment.
 - e. Tributary to Sawmill Creek
 - i. Contacting residents along the Tributary to Sawmill Creek to establish access agreements for additional sampling and fencing.
 - f. Corrective Action Framework
 - i. Initial meeting scheduled for January 29, 2025.
6. Provide an explanation for any deviation from any applicable schedules.
 - a. There have been no deviations from the project schedule this reporting period.

7. Indicate how much contaminated soil was removed and contaminated ground water was pumped and indicate where such contaminated media were disposed.
- a. 13,800 gallons of water containing over 1,000 parts per million (ppm) cyanide concentration level (W1 profile) was picked up and disposed of at Heritage Environmental Services in Indianapolis, Indiana during this reporting period.
 - b. 57,676 gallons of water containing less than 1,000 ppm cyanide concentration level (W2 profile) was picked up and disposed of at Heritage Environmental Services in Indianapolis, Indiana during this reporting period.
 - c. Investigation derived waste from the ISI is in process of final profile approval.
 - d. 18 Roll Offs of soil were generated during the ditch interim measure and are pending off-site disposal.