



MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

MATERIALS MANAGEMENT DIVISION  
**SOLID WASTE CONSTRUCTION PERMIT**

This construction permit is issued under the provisions of Part 115, Solid Waste Management, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended, MCL 324.11501 *et seq.*, to permit the construction of a solid waste disposal area (Facility) in the state of Michigan. This permit does not obviate the necessity of obtaining other authorization as may be required by state law.

FACILITY NAME: Holcim (US) Inc.

PERMITTEE/FACILITY OWNER: Holcim (US) Inc.

PROPERTY OWNER: Holcim (US) Inc.

TYPE OF FACILITY: Type III Low Hazard Industrial Landfill

FACILITY ID: 393642

COUNTY: Alpena

PERMIT NUMBER: 4182

ISSUE DATE: June 2, 2023

EXPIRATION DATE: One year from date of issuance unless development of the Facility begins within the year.

FACILITY DESCRIPTION: The Holcim (US) Inc., a Type III Low Hazard Industrial Landfill, consists of 223.10 total acres, of which 193.40 acres have been permitted for the disposal of solid waste. The Facility is located in the portions of Section 13, T31N, R8E, and Section 18, T31N, R9E, Alpena Township, Alpena County, Michigan. The Facility is identified in Attachment A and is fully described in this permit.

RESPONSIBLE PARTY: Jeffery Scott, Plant Manager  
Holcim (US) Inc.  
1435 Ford Avenue  
Alpena, Michigan 49707  
Phone 989-354-4171 Email: Jeffery.scott@lafargeholcim.com

This permit supersedes the following permits: This previously "grandfathered" facility did not have a construction permit. An authorization letter was issued to the Lafarge Corporation on September 28, 1996.

This permit is subject to revocation by the Director of the Michigan Department of Environment, Great Lakes, and Energy (Director) if the Director finds that the disposal area is not being constructed or operated in accordance with the approved plans, the conditions of a permit or license, Part 115, or the rules promulgated under Part 115. This permit shall be available through the applicant during its term and remains the property of the Director. Failure to comply with the terms and provisions of this permit may result in legal action leading to civil and/or criminal penalties as stipulated in Part 115

**THIS PERMIT IS NOT TRANSFERABLE UNLESS PRIOR AUTHORIZATION HAS BEEN OBTAINED FROM THE DIRECTOR.**

Elizabeth M. Browne, Director  
Materials Management Division  
Michigan Department of Environment, Great Lakes, and Energy

Permittee/Facility Owner: Holcim (US) Inc.  
Facility Name: Holcim (US) Inc.  
Construction Permit Number: 4182  
Issue Date: June 2, 2023

The permittee shall comply with all terms of this permit and the provisions of Part 115 and its rules. This permit includes the permit application and any attachments to this permit.

1. The permittee shall construct the Facility in a manner that will not violate any state or federal law.
2. This permit authorizes the construction of the disposal area as defined in the Application for Permit to Construct a Solid Waste Disposal Area (Application) documents dated November 1, 2022, with revisions dated April 30, 2023, and May 12, 2023, and received by the EGLE on November 12, 2022, May 9, 2023, and May 12, 2023. The new disposal area authorized by this permit shall not be utilized for the disposal of solid waste until an operating license for the disposal area is issued by EGLE.
3. The attached map (Attachment A) shows the Facility, the area permitted for construction, area(s) authorized for the placement and/or acceptance of solid waste, monitoring points, leachate storage units, site roads, and related appurtenances.
4. Issuance of this permit is based on the assumption that the information submitted by the Applicant in the Application dated November 1, 2022, and revisions dated April 30, 2023, and May 12, 2023, received by EGLE on November 12, 2022, May 9, 2023, and May 12, 2023, and any subsequent amendments is accurate. Any inaccuracies or deviations found in this information may be grounds for the revocation or modification of this permit and/or other enforcement action. The permittee shall inform EGLE's MMD Gaylord District Supervisor, of any known inaccuracies and/or any deviation in the information of the Application that would affect the permittee's ability to comply with the applicable rules or permit conditions. This permit is issued based on EGLE review of the Application, EQP 5506. The Application includes the following documents or their approved revisions that are incorporated by reference and become enforceable portions of this permit:
  - a. Application Form EQP 5506.
  - b. Fee in the amount of \$1,000.00.
  - c. 2022 Expansion Permit Application Volume 1 of 3, dated November 1, 2022, with revisions May 12, 2023, consisting of the following attachments:
    - Attachment 1. Construction Permit Application, dated November 1, 2022, and revisions dated April 30, 2023
    - Attachment 2. Administrative Completeness Checklist
    - Attachment 3. Advisory Analysis, dated March 21, 2022
    - Attachment 4. Engineering Report, dated November 1, 2022, with revisions dated May 12, 2023
  - d. 2022 Expansion Application Volume 2 of 3, dated November 1, 2022, with revisions dated May 12, 2023, consisting of the following attachments:
    - Attachment 5. Environmental Assessment
    - Attachment 6. 2022 CQA Plan
    - Attachment 7. Letter of Credit (Consent Judgment 94-CV-1080 CV for \$2,607,000.00)
    - Attachment 8. Closure Plan
    - Attachment 9. Stormwater Plan
  - e. 2022 Expansion Application, Volume 3 of 3, dated November 1, 2022, with revisions dated May 12, 2023, consisting of the following attachments:

Permittee/Facility Owner: Holcim (US) Inc.  
Facility Name: Holcim (US) Inc.  
Construction Permit Number: 4182  
Issue Date: June 2, 2023

Attachment 10. Hydrogeologic Report.

Attachment 11. Hydrogeological Monitoring Plan

Attachment 12. Position Papers

Attachment 13. 24 x 36 Drawings (Engineering Plans)

Attachment 14. Lafarge Consent Judgment dated August 30, 1995.

5. The sampling parameters and monitoring frequencies are outlined in the Hydrogeological Monitoring Plan. The sampling results shall be submitted to EGLE's MMD Gaylord District Office.
6. **VARIANCES:** The permittee is granted the following variance(s) from Part 115 and/or its rules:
  - a. Under the authority of R 299.4108, the facility is authorized to use mechanical dewatering to maintain the required minimum clearance of 4 feet from the top of the liner to the groundwater level.
  - b. Under the authority of R 299.4108, the facility is authorized to maintain roadways within 100 feet of adjacent property lines.
7. **SPECIAL CONDITIONS:** N/A.
8. **TERM:** This construction permit shall expire one year after the date of issuance unless development under the construction permit is initiated within that year.

## END OF PERMIT

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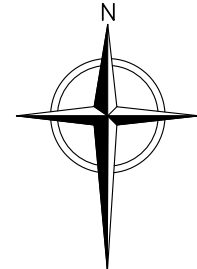
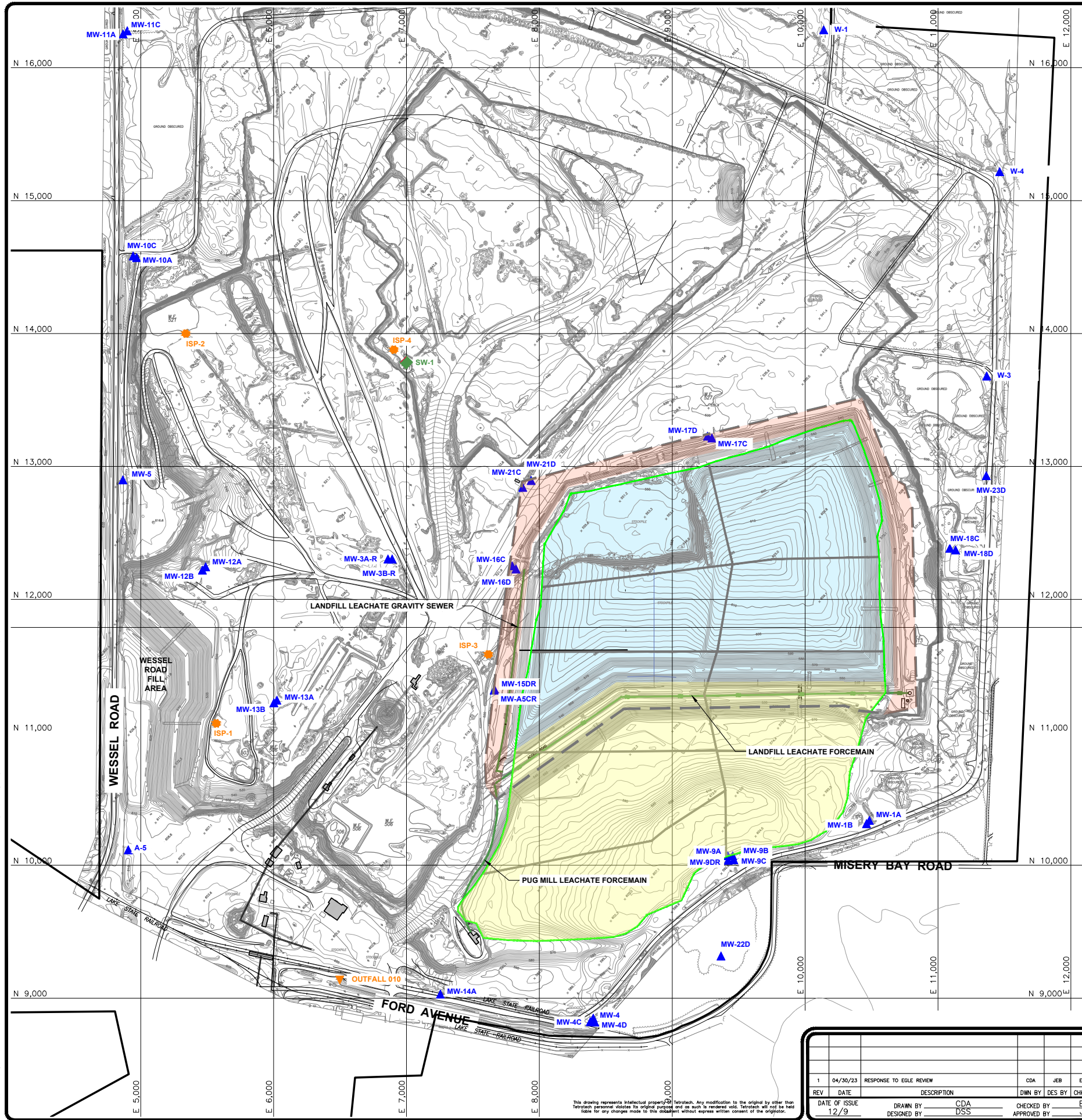
If you need this information in an alternate format, contact [EGLE-Accessibility@Michigan.gov](mailto:EGLE-Accessibility@Michigan.gov) or call 800-662-9278.

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This form and its contents are subject to the Freedom of Information Act and may be released to the public.



Attachment A

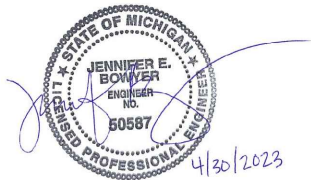


LEGEND

- EXISTING 2' CONTOUR
- EXISTING 10' CONTOUR
- EXISTING GRAVEL ROAD
- EXISTING DITCH
- EXISTING TREE LINE
- MW-1A COMPLIANCE WELLS
- 010 NPDES OUTFALL
- ISP-1 PMP SAMPLING POINT
- SW-1 SUBGRADE DRAINAGE LOCATION (SUMP)
- LEACHATE CONVEYANCE LINES
- PROPOSED FACILITY AREA
- LANDFILL LATERAL EXPANSION AREA
- LANDFILL VERTICAL EXPANSION AREA
- PROPOSED EXPANSION LINER AREAS

NOTES:

1. THE TOPOGRAPHIC DATA SHOWN IS FROM AERIAL SURVEY DATA PROVIDED BY AIR-LAND SURVEYS, DATE OF PHOTOGRAPHY 06/06/21; EXISTING PERIMETER DITCHES AND PERIMETER BERMS MAY NOT BE ACCURATELY REPRESENTED.
2. THIS TOPOGRAPHIC DATA HAS BEEN TRANSLATED TO THE CURRENT SITE COORDINATE SYSTEM.
3. MONITORING LOCATIONS W-3 AND W-4 ARE APPROXIMATE LOCATIONS.



File: \\fs001\eng\GIS\PROJECTS\LAUNDRY WA 2019 - 4201453 Expansion\_PROJECT DWG\EXPANSION\_2022\Facility Map A.dwg User: COOPERJAMEL May 04, 2023 - 10:31pm  
 1" = 1/2" 0"

REV	DATE	DESCRIPTION	OWN BY	DES BY	CHK BY	APP BY
1	04/30/23	RESPONSE TO EGLE REVIEW	CDA	JEB	ECA	JEB
DATE OF ISSUE			DRAWN BY		CHECKED BY	
12/9			DSS		ECA	
			DESIGNED BY		APPROVED BY	
					JEB	



HOLCIM ALPENA PLANT  
 TYPE III CKD LANDFILL  
 ALPENA, MICHIGAN  
**LANDFILL EXPANSION PERMIT**  
**FACILITY MAP**

SHEET NO.  
**A**  
 PROJECT NO.  
 4201453

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