



Michigan Department of Environment, Great Lakes, and Energy  
Materials Management Division

**SOLID WASTE DISPOSAL AREA OPERATING LICENSE**

Effective April 22, 2019, the Michigan Department of Environmental Quality, by Executive Order Number 2019-06, became the Michigan Department of Environment, Great Lakes, and Energy (EGLE). Effective April 22, 2019, the Waste Management and Radiological Protection Division became the Materials Management Division (MMD).

This license 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., and authorizes the operation of this solid waste disposal area (Facility) in the state of Michigan. This license does not obviate the need to obtain other authorizations as may be required by state law.

FACILITY NAME: Lafarge Midwest, Inc.

LICENSEE/OPERATOR: Holcim (US) Inc.

FACILITY OWNER: Holcim (US) Inc.

PROPERTY OWNER: Holcim (US) Inc.

FACILITY TYPE(S): Type III Low Hazard Industrial Landfill

FACILITY ID NUMBER: 393642

COUNTY: Alpena

LICENSE NUMBER: 9587

ISSUE DATE: January 24, 2020

EXPIRATION DATE: January 24, 2025

FACILITY DESCRIPTION: Lafarge Midwest, Inc., a Type III low hazard industrial landfill, consists of 135 acres located in the East 1/2 of the South 1/2, Section 13, Alpena Township, Alpena County, Michigan, as identified in Attachment A and fully described in this license.

AREA AUTHORIZED FOR DISPOSAL OF SOLID WASTE: Sideslope of Cells 4 and 5a, Cell 6a, Cell 6b, and Cell 7, totaling 53.4 acres.

RESPONSIBLE PARTY: Mr. Jeffery Scott, Plant Manager  
Holcim (US) Inc.  
1435 Ford Avenue  
Alpena, Michigan 49707  
989-354-4171

**RENEWAL OPERATING LICENSE:** This License Number 9587 supersedes and replaces Solid Waste Disposal Area Operating License Number 9420 issued to Lafarge Midwest, Inc. on December 3, 2014.

This license is subject to revocation by the Director of the Michigan Department of Environment, Great Lakes, and Energy, if the Director finds that this Facility 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. Failure to comply with the terms and provisions of this license may result in legal action leading to civil and/or criminal penalties pursuant to Part 115. This license shall be available through the licensee during its term and remains the property of the Director.

**THIS LICENSE IS NOT TRANSFERABLE.**



Rhonda S. Oyer, Manager, Solid Waste Section  
Materials Management Division

Licensee: Holcim (US) Inc.  
Facility Name: Lafarge Midwest, Inc.  
Operating License Number: 9587  
Issue Date: January 24, 2020

The licensee shall comply with all terms of this license and the provisions of Part 115 and the administrative rules implementing Part 115 (Part 115 Rules). This license includes the license application and any attachments to this license.

1. The licensee shall operate the Facility in a manner that will prevent violations of any state or federal law.
2. The following portions of the Facility are authorized to receive solid waste by this license:

**ACTIVE PORTIONS NOT AT FINAL GRADE:** The area(s) identified as Sideslope of Cells 4 and 5a, Cell 6a, Cell 6b, and Cell 7 were authorized to receive waste by the previous license. This area's total acreage is 53.4 acres.

3. The following portions of the Facility **WILL BE** authorized to receive solid waste by this license following approval by EGLE of construction certification: N/A.
4. The following portions of the Facility are **NOT** authorized to receive solid waste by this license:

**CLOSED UNIT(S) OR A PORTION OF A UNIT WHERE THE FINAL COVER HAS BEEN CERTIFIED CLOSED AND ACCEPTED BY EGLE:** The following unit(s) and/or portion(s) are closed:

- i. **EXISTING UNIT(S):** The unit(s) or portion(s) of unit(s) identified as Cells 1, 2, 3, and part of Cell 4 had final closure certified on October 6, 2003 (Cell 2 Portion); September 16, 2006 (Cell 3 Portion); and November 2018 (Cells 1, 2, 3, and 4) . This certification was reviewed and approved by EGLE on January 5, 2004, October 16, 2006, and January 11, 2019, respectively. This area's total acreage is 56.4 acres.
- ii. **OTHER DISPOSAL AREAS:** Areas previously regulated under the Mining Reclamation Act: The Old Cement Kiln Dust Disposal Area, consisting of 88.1 acres, was certified closed during 1996, 1997, and 1998. The Wessel Road Disposal Area, consisting of 40 acres, was certified closed in 1997. All certifications were subsequently approved by EGLE (previously DEQ). Certifications are referenced in Items 8 and 9. These areas were closed under Part 201, Environmental Remediation, of the NREPA, in compliance with Consent Judgement Number 94-CV-10306-BC, entered on December 15, 1994, as amended August 30, 1995.

5. The attached map (Attachment A) shows the Facility, the area permitted for construction, monitoring points, leachate storage units, site roads, other disposal areas, and related appurtenances.
6. Issuance of this license is conditioned on the accuracy of the information submitted by the Applicant in the Application for License to Operate a Solid Waste Disposal Area (Application) received by EGLE on November 18, 2019, and any subsequent amendments. Any material or intentional inaccuracies found in that information is grounds for the revocation or modification of this license and may be grounds for enforcement action. The licensee shall inform EGLE's MMD Cadillac District Supervisor, of any inaccuracies in the information in the Application upon discovery.
7. This license is issued based on EGLE's review of the Application, submitted by Holcim (US) Inc., for Lafarge Midwest, Inc., dated November 18, 2019. The Application consists of the following:
  - a. Application Form EQP 5507.
  - b. Application fee in the amount of \$2,500.00.
  - c. Certification of construction by N/A.
  - d. Waste Characterization: N/A.



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e. Restrictive Covenant:

The Lafarge Midwest, Inc., restrictive covenant on 135.1 acres is on file at the Alpena County Register of Deeds recorded on July 11, 1996, as Liber 0333, pages 0695-0696. A copy is on file with EGLE.

f. Perpetual Care Fund Agreement, established as an escrow account, signed by Mr. George Kiste, Plant Manager, Large Midwest, Inc., 1435 Ford Avenue, Alpena, Michigan on January 30, 2001, was executed by EGLE on February 26, 2001.

g. Financial Assurance.

i. Financial Assurance Required:

The amount of financial assurance required for this Facility was calculated based on the calculation worksheet form EQP 5507A entitled, "Form A, Financial Assurance Required," and includes a Surety Bond of \$20,000.00 per acre of licensed landfill, the Perpetual Care Fund requirement, and corrective action financial assurance.

The amount of financial assurance required for this facility was calculated based on the calculation worksheet form EQP 5507A entitled, "Form A, Financial Assurance Required," and is \$2,619,921.89

The Facility has provided financial assurance totaling \$2,789,921.89 based on the requirements of Section 11523 of Part 115, consisting of a combination of the Perpetual Care Fund established under Section 11525 of Part 115, and the bonding requirements of Section 11523 (1)(a) of Part 115. The financial assurance mechanisms used by the Facility are summarized below in Items ii and iii, respectively.

ii. Financial Assurance Provided Via a Perpetual Care Fund:

The Perpetual Care Fund Agreement statement showed a balance of \$619,921.89 in the Facility's Perpetual Care Fund as of December 31, 2019.

iii. Financial Assurance Provided Via Bond:

The following financial assurance has been received from the Applicant to meet the amount of financial assurance required:

Surety Bond	\$180,000.00
Irrevocable Letter of Credit	\$1,990,000.00
Total Amount Received:	\$2,170,000.00

8. This previously "grandfathered" facility did not have a construction permit. An authorization letter issued to Lafarge Midwest, Inc., on September 28, 1996, incorporates the following documents in this license by reference:

- a. Cell 1 Landfill Construction Documentation Report dated March 1996.
- b. Existing CKD Placement Area Construction Documentation Report (Plot 4), dated 1996.

9. The following additional documents, approved since the issuance of the authorization letter referenced in Item 8, are incorporated in this license by reference:

- a. Existing CKD Placement Area Construction Documentation Report (Plot 3) dated 1996.
- b. Wessel Road Final Cover Project Manual and Drawings dated April 15, 1997, with revisions dated August 22, 1997.
- c. Wessel Road Final Cover Documentation Report dated 1997.
- d. Final Construction Plots 1 and 2 Closure Construction Documentation Report dated October 1998.
- e. Cell 1 Landfill Construction Documentation Report (Certification) dated September 1998.
- f. Cell 2 Landfill Construction Documentation Report (Certification) dated June 1999.

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- g. Cell 3 Landfill Construction Documentation Report (Certification) dated October 2002.
  - h. Cell 2 Final Cover Certification Report dated October 6, 2003, and approved on January 5, 2004.
  - i. Cell 3 Final Cover Certification Report dated September 16, 2006, and approved on October 16, 2006.
  - j. Cell 4 Landfill Construction Documentation Report (Certification) dated March 24, 2005.
  - k. Revised Final Engineering Plans (Upgrade) dated April 2010.
  - l. Cell 5A Landfill Construction Documentation Report (Certification) dated December 2, 2010.
  - m. Amendment of Engineering Report for CKD Mining dated December 2, 2011.
  - n. Cell 6B Landfill Construction Documentation Report (Certification) dated October 14, 2014.
  - o. Response Action Plan (Stormwater Ditch Mitigation) dated October 2015.
  - p. Cell 6A Landfill Construction Documentation Report (Certification) dated December 2016.
  - q. Work Plan for Modification of North Interim Berm dated March 1, 2017.
  - r. Revised Final Engineering Plans for Cell 7 (Upgrade) dated March 25, 2018.
  - s. Operation and Maintenance (O & M) Plan dated November 2018.
  - t. Cell 4 Closure Construction and Repairs Documentation Report dated January 11, 2019.
  - u. Revised current Hydrogeological Monitoring Plan (HMP) dated March 2018 and approved on March 14, 2018, with revisions dated June 17, 2019, and approved on July 5, 2019.
  - v. Cell 7 Landfill Construction Documentation Report (Certification) dated September 6, 2019, with addendum dated October 18, 2019.
  - w. Landfill Leachate Release Response Plan dated January 14, 2020.
10. Consent Order/Judgment Number: OWMRP Consent Order Number 94-CV-10306-BC entered on December 15, 1994, and amended August 30, 1995, is incorporated into this license by reference.
11. The licensee shall repair any portion of the certified liner or leachate collection system that is found to be deficient or damaged during the term of this license unless determined otherwise by EGLE.
12. The licensee shall have repairs to any portion of the certified liner or leachate collection system recertified by a registered professional engineer in accordance with R 299.4921 of the Part 115 Rules and approved by EGLE before receiving waste in that portion of the certified liner or leachate collection system. The licensee shall submit the recertification to EGLE's MMD Cadillac District Supervisor for review and approval.
13. The licensee shall conduct hydrogeological monitoring in accordance with the approved hydrogeological monitoring plan, dated March 2018, with revisions dated June 17, 2019. The sampling analytical results shall be submitted to EGLE's MMD Cadillac District Office.
14. Modifications to the approved hydrogeological monitoring plan referenced in Item 13 may be approved, in writing, by EGLE's MMD Cadillac District Supervisor. Proposed revisions must be submitted in a format specified by EGLE.
15. Leachate may be recirculated if a leachate recirculation plan has been approved, in writing, by EGLE's MMD Cadillac District Supervisor.
16. Modifications to approved engineering plans that constitute an upgrading, as defined in R 299.4106a(l) of the Part 115 Rules, may be approved, in writing, by EGLE's MMD Cadillac District Supervisor.
17. Requests for alternate daily cover may be approved, in writing, by EGLE's MMD Cadillac District Supervisor.

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18. Leakage Control Criteria:

This Type III Facility is a monitorable unit and, therefore, does not need to be in compliance with the leakage control criteria of R 299.4422 of the Part 115 Rules.

19. **VARIANCES:** The licensee is granted the following variance(s) from Part 115 and/or the Part 115 Rules:

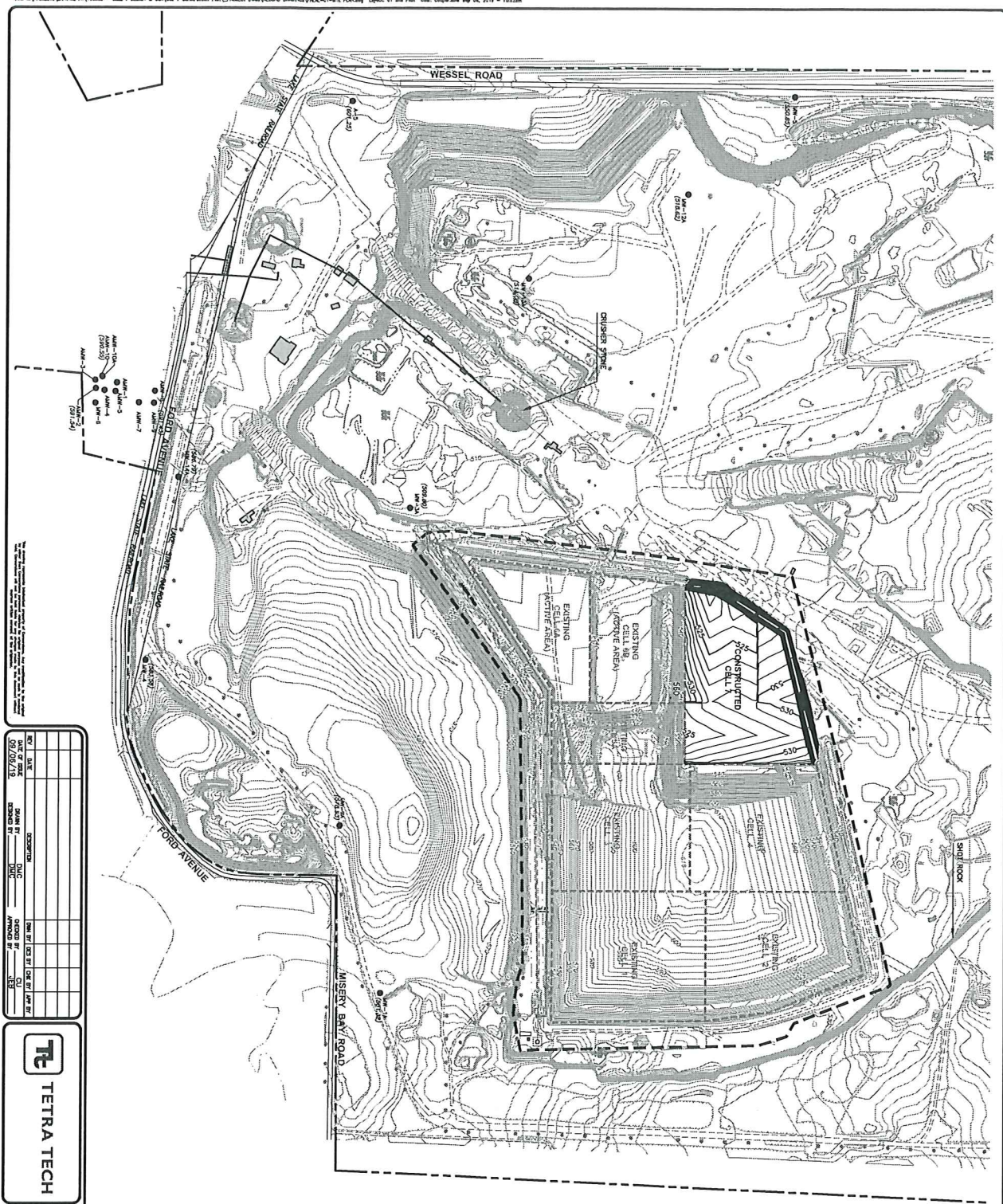
- a. The Facility is authorized to control groundwater level by pumping of groundwater under provisions of R 299.4302 (1).
- b. Under the authority of R 299.4108, the Facility is granted a variance from the requirement of R 299.4310(2) to have a permanent minimum clearance of 4 feet from the top of the liner to the groundwater level.

20. **SPECIAL CONDITIONS:** N/A.

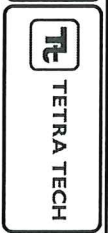
21. **TERM:** This license shall remain in effect until its expiration date, unless revoked or continued in effect, as provided by, the Administrative Procedures Act, 1969 PA 306, as amended, or unless superseded by the issuance of a subsequent license.

**END OF LICENSE**





REV.	DATE	DESCRIPTION
1	02/18/12	ISSUED FOR PERMIT



LARGER NORTH AMERICA  
 TYPE III C&D LANDFILL  
 ALPENA, MICHIGAN  
 LICENSE APPLICATION  
 SHEET NO. 1  
 PROJECT NO. 10303



**LEGEND**

- FACILITY BOUNDARY
- TYPE III C&D PERMITTED BOUNDARY
- CELL BOUNDARY
- EXISTING 2' CONTOUR
- EXISTING 10' CONTOUR
- EXISTING FOREDRAIN
- EXISTING GRADY SWER
- EXISTING GRAVEL ROAD
- EXISTING DITCH
- EXISTING TREE LINE
- EXISTING GRADY SWEER
- EXISTING MANHOLE
- WM-2A EXISTING MONITORING WELL

- NOTES:**
1. THE TOPOGRAPHIC DATA SHOWN IS A COMPOSITE OF INTERNATIONAL, INC. DATE OF PHOTOGRAPHY 08/08/05 AND AERIAL SURVEY DATA FOR THE REMAINING AREA. SURVEY DATA FOR THE REMAINING AREA WAS PROVIDED BY WILCOX PROFESSIONAL SERVICES, LLC, DATED DECEMBER 2010. CELL 8A AND 8B CONTOURS FOR CELLS 1 & 2, CELL 8B DATED 10/01/15; AND FIELD SURVEY CONTOURS FOR CELL 8A DATED 02/09/16. EXISTING CONTOURS ARE SHOWN IN LIGHT GRAY AND ARE ACCURATELY REPRESENTED.
  2. THIS TOPOGRAPHIC DATA HAS BEEN TRANSLATED TO THE CURRENT SITE COORDINATE SYSTEM.
  3. PERMITTED DESIGN FEATURES SHOWN ARE TAKEN FROM PLANS PROVIDED BY INT. INC. PROJECT NUMBER 31222-01, ALPENA, MI, DATED MARCH 2002, ADDITIONAL DESIGN FEATURES SHOWN ARE TAKEN FROM PLANS PROVIDED BY WILCOX PROFESSIONAL SERVICES, LLC, PROJECT NUMBER 0903088, DATED JANUARY 2010, AND PROJECT NUMBER 159827, DATED MARCH 2012.
  4. CELL 8A AND 8B IS CURRENTLY IN USE FOR WASTE PLACEMENT. THE CONTOURS SHOWN DO NOT REFLECT THE EXHIBIT OF FILL PLACED IN CELLS 8A AND 8B.
  5. CELL 7 AS-BUILT SURVEY COMPLETED BY HUBBON ENGINEERING AND SURVEY, INC. JULY 2010.

Attachment A