



Michigan Department of Environmental Quality
Waste and Hazardous Materials Division

SOLID WASTE DISPOSAL AREA OPERATING LICENSE

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: Holcim (US), Inc. Type III Low Hazardous Industrial Waste Landfill

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: 393008

COUNTY: Monroe

LICENSE NUMBER: 9244

ISSUE DATE: December 18, 2009

EXPIRATION DATE: December 18, 2014

FACILITY DESCRIPTION: The Holcim (US), Inc. Type III Low Hazardous Industrial Waste Landfill, a Type III low hazard industrial landfill, consists of 79.58 acres located in the E 1/2 NW 1/4 of Section 36, T5S-R6E, Milan Township, Monroe County, Michigan, as identified in Attachment A and fully described in this license.

AREA AUTHORIZED FOR DISPOSAL OF SOLID WASTE: Cell 4.

RESPONSIBLE PARTY: Mr. Reza Eizadkhah
Holcim (US), Inc.
15215 Day Road
Dundee, Michigan 48131
734-529-4949

RENEWAL OPERATING LICENSE: This License Number 9244 supersedes and replaces Solid Waste Disposal Area Operating License Number 9044 issued to Holcim (US), Inc. on September 20, 2004.

This license is subject to revocation by the Director of the Michigan Department of Environmental Quality 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.

Steven R. Sliver, Chief, Storage Tank and Solid Waste Section
Waste and Hazardous Materials Division

Licensee: Holcim (US), Inc.
Facility Name: Holcim (US), Inc., Type III Low Hazardous Industrial Waste Landfill
Operating License Number: 9244
Issue Date: December 18, 2009

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 Cell 4 (5.7 acres) were authorized to receive waste by the previous license. This area's total acreage is 5.7 acres.

3. The following portions of the Facility **WILL BE** authorized to receive solid waste by this license following approval by the Michigan Department of Environmental Quality (MDEQ) of construction certification:

UNCONSTRUCTED AREA(S) WITH FINANCIAL ASSURANCE: The area(s) identified as a portion of Cell 4, totaling 1 acre, is included in the calculation of financial assurance as required by Section 11523 of Part 115. This portion(s) of the Facility shall be authorized to receive waste, as part of this license, when acceptable certification is submitted to the MDEQ, as required by Section 11516(5) of Part 115, and determined by the MDEQ to be consistent with Part 115 and the Part 115 Rules. The certification shall verify that construction of this area(s) was in accordance with the Construction Permit(s) listed in Item 8 of this license, Part 115, and the Part 115 Rules.

4. The following portions of the Facility are **NOT** authorized to receive solid waste by this license:

a. **UNCONSTRUCTED AREA(S) WITHOUT FINANCIAL ASSURANCE:** The area(s) identified as Cell 5 (8.3 acres) and Cell 6 (12 acres) are not constructed and are not included in the calculation of financial assurance as required by Section 11523 of Part 115. This area's total acreage is 20.3 acres.

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

EXISTING UNIT(S): The unit(s) identified as Cell 1, Cell 2, and Cell 3 had final closure certified on March 27, 2002, August 2004, and January 6, 2009, respectively. This certification was reviewed and approved by the MDEQ on June 7, 2002, September 7, 2004, and May 20, 2009, respectively. This area's total acreage is 11.0 acres.

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 the MDEQ on September 18, 2009, 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 the MDEQ's Waste and Hazardous Materials Division (WHMD), Jackson District Supervisor, of any inaccuracies in the information in the Application upon discovery.

Licensee: Holcim (US), Inc.
Facility Name: Holcim (US), Inc., Type III Low Hazardous Industrial Waste Landfill
Operating License Number: 9244
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7. This license is issued based on the MDEQ's review of the Application, submitted by Holcim (US), Inc., for the Holcim (US), Inc. Type III Low Hazardous Industrial Waste Landfill, dated September 18, 2009, and revised September 21, 2009, October 14, 2009, and December 10, 2009. 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.
- e. Restrictive Covenant:

The declaration of restrictive covenant on 79.58 acres is on file at the Monroe County Register of Deeds recorded on October 2, 2002, as Liber 2293 pages 467. A copy is on file with the MDEQ.

- f. Perpetual Care Fund Agreement, established as a trust account, signed by Mr. Kent D. Jensen, Senior Vice President and Chief Financial Officer, Holnam, Inc., on May 24, 1999, was executed by the MDEQ on July 28, 1999.
- 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 is \$354,000.00.

The Facility has provided financial assurance totaling \$354,000.00, 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, bonds, and the financial capability of the Applicant as evidenced by a financial test. 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:

- (1) The amount of the required financial assurance can be reduced pursuant to Section 11524 of Part 115, if the amount of money in the Perpetual Care Fund plus the amount of the reduced financial assurance equals the amount of financial assurance required in Section 11523 of Part 115 and is approved by the MDEQ.
- (2) The Perpetual Care Fund Agreement statement showed a balance of \$318,144.11 in the Facility's Perpetual Care Fund as of September 30, 2009. Of this amount, the MDEQ has granted the request to use \$0.00 toward the total amount of financial assurance required.

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	\$354,000.00
Total Amount Received:	\$354,000.00

8. The following documents approved with Construction Permit Number(s) 0368 issued to Holnam, Inc., on October 19, 1998, are incorporated in this license by reference:

Licensee: Holcim (US), Inc.
Facility Name: Holcim (US), Inc., Type III Low Hazardous Industrial Waste Landfill
Operating License Number: 9244
Issue Date: December 18, 2009

- a. Engineering reports contained in documents titled "Holnam, Inc., Type III Low-Hazard Industrial Waste Landfill, Volumes 1 and 2," dated June 1998, and revised September 23, 1998.
 - b. Hydrogeology reports and the Hydrogeological Monitoring Plan contained in documents titled "Holnam, Inc. Type III Low-Hazard Industrial Waste Landfill Volumes 1 and 2," dated June 1998, and revised October 2, 13, and 14, 1998.
 - c. Engineering plans titled "Holnam, Inc. - Dundee, Michigan Type III Low Hazard Industrial Waste landfill," dated June 1998, and revised October 12, 1998.
9. The following additional documents, approved since the issuance of the construction permit(s) referenced in Item 8, are incorporated in this license by reference:
- a. Holnam, Inc. Type III Low Hazard Industrial Waste Landfill Cell 1 Construction Documentation Report, dated May 1999.
 - b. Holnam, Inc. - Dundee, Michigan Cell 1 Construction Documentation Report (engineering plans), dated May 1999.
 - c. Holnam, Inc. - Dundee, Michigan Type III Low Hazard Industrial Waste Landfill Cell 2 and Cell 3 Construction Plans, dated May 1999.
 - d. Holnam, Inc. Type III Low Hazard Industrial Waste Landfill Cell 2 Construction Documentation Report, dated October 1999.
 - e. Holnam, Inc. - Dundee, Michigan Type III Low Hazard Industrial Waste Landfill Cell 2 Construction Documentation Report (engineering plans), dated October 1999.
 - f. Holnam, Inc. Type III Low Hazard Industrial Waste Landfill Cell 3 Construction Documentation Report, dated January 2000.
 - g. Holnam, Inc. - Dundee, Michigan Type III Low Hazard Industrial Waste Landfill Cell 3 Construction Documentation Report (engineering plans), dated January 2000.
 - h. Type III Low-Hazard Industrial Waste Landfill – Cell 1 Closure Documentation Report, dated March 2002.
 - i. Holcim (US) Inc. - Dundee Plant Type III Low Hazard Industrial Waste Landfill Permit 0368 Request for MDEQ Approval for Permit Modification - Addition of PVC Geomembrane to Cell 4, dated October 9, 2002.
 - j. Cell 4 Construction Documentation Report, Holcim (US) Inc.-Dundee Plant Dundee, MI, dated January 2003.
 - k. Cell 2 Closure Documentation Report, Holcim (US) Inc.-Dundee Plant Dundee, MI, dated October 2003 and revised August 2004.
 - l. Type III Low-Hazard Industrial Waste Landfill Construction Quality Assurance Plan, dated November 2005.
 - m. Construction Documentation Report Type III Low Hazard Industrial Waste Landfill Closure for Cell III, Dundee, Michigan, dated December 2008 and revised April 27, 2009.
 - n. Raw Material Disposal Evaluation, dated August 25, 2009.
10. Consent Order/Judgment Number: N/A.
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 the MDEQ.

Licensee: Holcim (US), Inc.
Facility Name: Holcim (US), Inc., Type III Low Hazardous Industrial Waste Landfill
Operating License Number: 9244
Issue Date: December 18, 2099

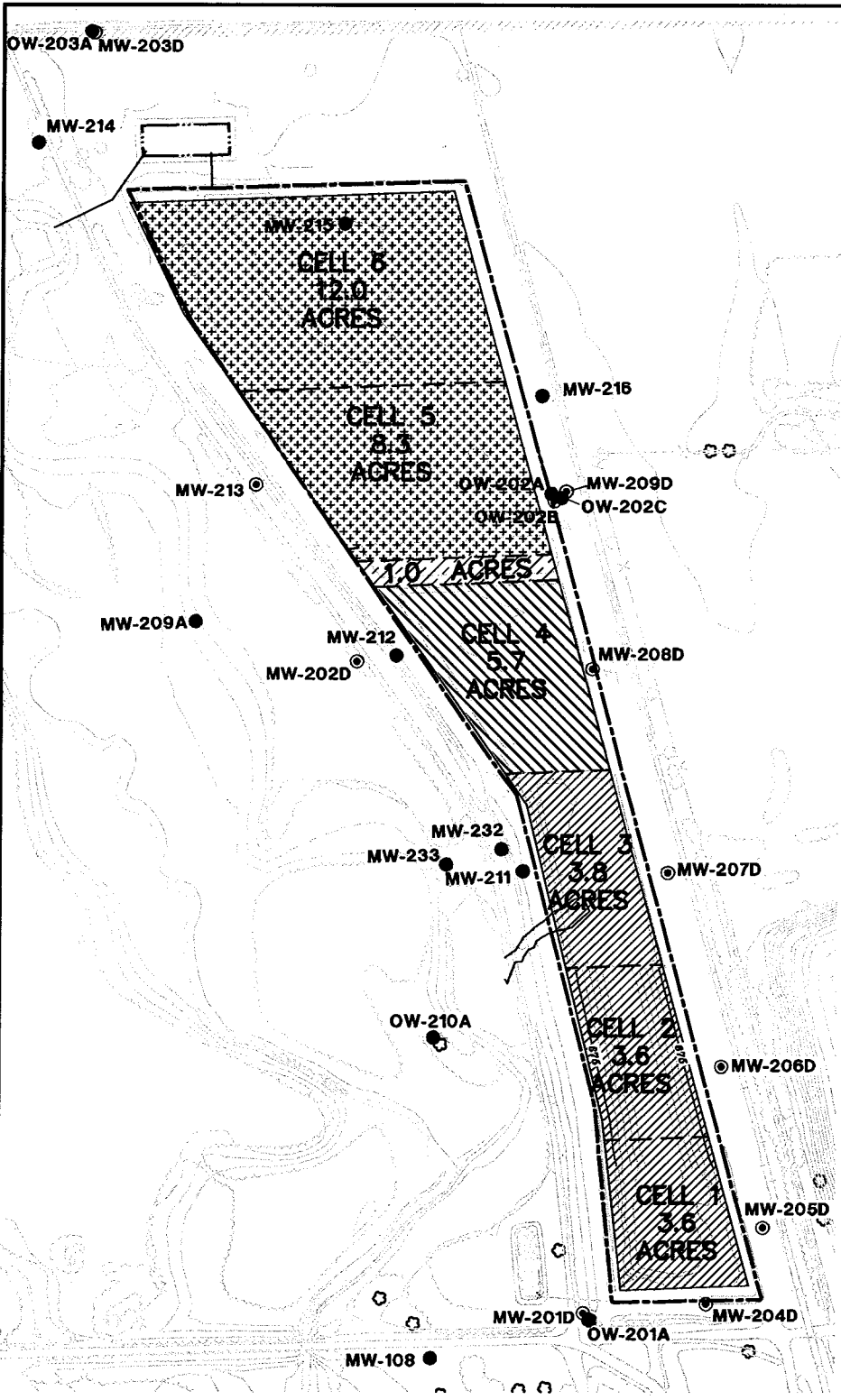
12. The licensee shall have repairs to any portion of the certified liner or leachate collection system recertified by a registered professional engineer in accordance with R 299.4921 of the Part 115 Rules and approved by the MDEQ before receiving waste in that portion of the certified liner or leachate collection system. The licensee shall submit the recertification to the MDEQ's WHMD, Jackson District Supervisor, for review and approval.
13. The licensee shall conduct hydrogeological monitoring in accordance with the approved hydrogeological monitoring plan, dated October 2, 1998, October 13, 1998, October 14, 1998, and May 8, 2007. The sampling analytical results shall be submitted to the MDEQ's WHMD, Jackson District Office.
14. Modifications to the approved hydrogeological monitoring plan referenced in Item 13 may be approved, in writing, by the WHMD, Jackson District Supervisor. Proposed revisions must be submitted in a format specified by the MDEQ.
15. Leachate may be recirculated if a leachate recirculation plan has been approved, in writing, by the Waste and Hazardous Materials Division, Jackson 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 the WHMD, Jackson District Supervisor.
17. Requests for alternate daily cover may be approved, in writing, by the Waste and Hazardous Materials Division, Jackson District Supervisor.
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 requirement of R 299.4316, regarding placement of six inches of daily cover, was waived pursuant to R 299.4108, on October 19, 1998.
 - b. The requirement of R 299.4305(2)(b), for placement of a screening berm, where the distance between the active work area and the adjacent property line is less than 200 feet, was waived for the east side of the boundary pursuant to R 299.4108, on October 19, 1998.
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.

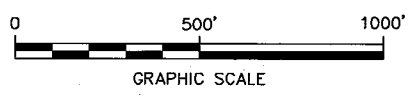
END OF LICENSE

CITY: BRIGHTON DIV: GROUP: 141 DB: AFOX LD: (Ort) PIC: (Ort) PM: (Read) TM: (Ort) LYR: (ORION)* OFF=REF*
 G:\ENVCAD\BRIGHTON\ACT1\00255230\00000001\DWG\025523001.DWG LAYOUT: 1SAVED: 9/17/2009 4:19 PM ACADVER: 17.1S (LMS TECH) PAGES: 17 PAGES: 17 PAGES: 17 PAGES: 17
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- LEGEND:**
- MW-212 ● UNCONSOLIDATED DEPOSIT MONITORING WELL LOCATION AND NUMBER
 - MW-213 ⊙ BEDROCK MONITORING WELL LOCATION AND NUMBER
 - EXISTING POWER POLE
 - |— EXISTING VEGETATION
 - |— WATER EDGE
 - |— EXISTING RAILROAD
 - |— EXISTING FENCE
 - |— DRAINAGE PIPE
 - |— EXISTING 5 FOOT CONTOUR LINE
 - |— 675— EXISTING 25 FOOT CONTOUR LINE
 - |— EXISTING FACILITY DITCH
 - |— PERMITTED LANDFILL BOUNDARY
 - |— CELL BOUNDARY
 - ▨ CELL CLOSED
 - ▨ CELL ACTIVE
 - ▨ CELL UNCONSTRUCTED
 - ▨ CELL UNCONSTRUCTED WITH FINANCIAL ASSURANCE

- NOTES:**
1. MONITORING WELL LOCATIONS SURVEYED BY J.C. ANDRUS & ASSOCIATES, INC., 5/18/01.
 2. BASE MAP INFORMATION FROM TOPOGRAPHIC MAP BY HOLCIM (US) INC., 1999. CONTOUR INTERVAL IS EQUAL TO 5 FEET.
 3. LOCATIONS OF VARIOUS SITE FEATURES (I.E. EXISTING FENCE, LEACHATE TANKS) SURVEYED BY J.C. ANDRUS & ASSOCIATES, INC., 3/02.
 4. CELL BOUNDARIES FROM CONSTRUCTION PERMIT APPLICATION DRAWINGS, JUNE 1998, PREPARED BY RMT, INC., MICHIGAN.
 5. FENCE LOCATION ON EAST SIDE OF EAST SITE ACCESS ROAD IS APPROXIMATE.
 6. CELL 1 AS-BUILT TOPOGRAPHIC SURVEY BY MELCO, INC., 10/12/01.
 7. CELL 2 AS-BUILT TOPOGRAPHIC SURVEY BY J.C. ANDRUS AND ASSOCIATES, INC., 6/24/03.
 8. CELL 3 AS-BUILT TOPOGRAPHIC SURVEY BY CRA, 4/09.



HOLCIM (US) INC.
 DUNDEE, MICHIGAN
**TYPE III LOW-HAZARD
 INDUSTRIAL WASTE LANDFILL**

ATTACHMENT A FACILITY LAYOUT

ARCADIS

FIGURE
1