EGLE

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: Dafter Sanitary Landfill, Inc.

LICENSEE/OPERATOR: Dafter Sanitary Landfill, Inc.

FACILITY OWNER: Dafter Sanitary Landfill, Inc.

PROPERTY OWNER: Dafter Sanitary Landfill, Inc.

FACILITY TYPE(S): Municipal Solid Waste Landfill

FACILITY ID NUMBER: 451470

COUNTY: Chippewa

LICENSE NUMBER: 9684

ISSUE DATE: October 26, 2022

EXPIRATION DATE: October 26, 2027

FACILITY DESCRIPTION: The Dafter Sanitary Landfill, Inc., a municipal solid waste landfill, consists of 112 acres located in the W 1/2 of the SW 1/4 and W 1/2 of the NW 1/4 of Section 33, T46N, R1W, Dafter Township, Chippewa County, Michigan, as identified in Attachment A and fully described in this license.

AREA AUTHORIZED FOR DISPOSAL OF SOLID WASTE: Cells B, C, D, and E.

RESPONSIBLE PARTY: Tim Harrow, Operations Manager
Dafter Sanitary Landfill, Inc.
3962 West 12 Mile Road
Dafter, Michigan 49724
(906) 632-6186

RENEWAL OPERATING LICENSE: This License Number 9684 supersedes and replaces Solid Waste Disposal Area Operating License Number 9512 issued to Dafter Sanitary Landfill on January 12, 2018.

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

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

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 Cells B, C, D, and E were authorized to receive waste by the previous license. This area's total acreage is 23.0 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:

   UNCONSTRUCTED AREA(S) WITH FINANCIAL ASSURANCE: The area(s) identified as Cell F, totaling 3.4 acres, are 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 EGLE, as required by Section 11516(5) of Part 115, and determined by EGLE 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 Cells 1-9 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 27.1 acres.

   b. **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:

      EXISTING UNIT(S): The unit(s) identified as Cell A had final closure certified on January 20, 1992. This certification was reviewed and approved by EGLE on October 20, 1993. This area's total acreage is 15.4 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 EGLE on September 1, 2022, 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 Marquette 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 the Dafter Sanitary Landfill, Inc., for the Dafter Sanitary Landfill, Inc., dated August 31, 2022, and revised September 12, 2022. The Application consists of the following:

   a. Application Form EQP 5507.

   b. Application fee in the amount of $1,000.00.

   c. Certification of construction by N/A, dated N/A.

   d. Waste Characterization: N/A.

e. Restrictive Covenant:

The October 8, 1991, restrictive covenant on 87.36 acres is on file at the Chippewa County Register of Deeds recorded on April 6, 1992, as Liber 578 pages 716-718. A copy is on file with EGLE.

f. Perpetual Care Fund Agreement, established as a standby trust account, signed by Valerie Barreto, Assistant Vice President, U.S. Bank National Association on July 17, 2021, was executed by EGLE on January 11, 2022.

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 $7,928,247.60.

The Facility has provided financial assurance totaling $7,928,247.60, 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, iii, and iv, respectively.

ii. Financial Assurance Provided Via a Perpetual Care Fund:

The Perpetual Care Fund Agreement statement showed a balance of $1,218,217.63 in the Facility's Perpetual Care Fund as of July 17, 2022. Of this amount, EGLE has granted the request to use $1,218,217.63 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	$6,710,029.97
Total Amount Received:	$6,710,029.97

iv. Financial Assurance Provided Via a Financial Test for a Type II Landfill: N/A.

v. Financial Assurance Updates Required:

For Type II landfills, the financial assurance cost estimates of closure and postclosure activities must be updated annually and the corresponding requisite amount of financial assurance must be adjusted annually for the costs of inflation. The corresponding financial assurance, as adjusted for inflation and other factors, is due one year from the date of this license, and each year thereafter.

vi. Other Required Financial Assurance: N/A.

8. The following documents approve with Construction Permit Number(s) 4058 issued to the Dafter Sanitary Landfill on February 12, 2004, are incorporated in this license by reference:

a. Construction Permit Application, Dafter Sanitary Landfill, Volume 1: Executive Summary and Hydrogeological Investigation Report prepared by Wench Associates, Inc., and dated October 2003

b. Construction Permit Application, Dafter Sanitary Landfill, Volume 2: Landfill Environmental Assessment and Design Report, prepared by Wench Associates, Inc. and dated October 2003.

c. Construction Permit Application, Dafter Sanitary Landfill, Volume 3: Appendix K of the Design Report: Design Drawings, prepared by Wench Associates, Inc. and dated October 2003..

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. Dafter Sanitary Landfill Hydrogeologic Monitoring Plan, prepared by NTH Consultants, Ltd., dated August 2001, revised January 2004, and May 2008, and approved by EGLE on June 19, 2008.

b. Construction Documentation Report, Slope Liner Construction, prepared by Golder Associates Inc., dated October 2004, and approved by EGLE on October 18, 2004.

c. Construction Documentation Report, Cell D Construction, Volumes 1 and 2, prepared by Golder Associates Inc., dated November 2004, and approved by EGLE on November 18, 2004.

d. Construction Documentation Report, Cell E Construction, Volumes 1 and 2, prepared by Golder Associates Inc., received by EGLE on November 20, 2007, and approved by EGLE on November 19, 2007.

e. South Sedimentation Basin SB-1 Expansion Record Drawing, prepared by Wenck, for the Dafter Sanitary Landfill, and approved by EGLE on December 8, 2017.

f. Construction Permit Application Drawings, dated October 2003, Revised December 2018, prepared by Wenck, for the Dafter Sanitary Landfill, and approved by EGLE on September 25, 2018.

g. Construction Quality Assurance (CQA) Plan, prepared by Tetra Tech, for the Dafter Sanitary Landfill, dated February 2022, and approved by EGLE on February 11, 2022.

h. Cell F Liner Construction Drawings, dated January 2022, Addendum #1 February 2022, were prepared by Tetra Tech for the Dafter Sanitary Landfill, and approved by EGLE on April 8, 2022.

i. Construction Permit Application Drawing #14, Revised as Drawing #14R on May 23, 2022, by Tetra Tech, for the Dafter Sanitary Landfill, and approved by EGLE on May 24, 2022.

j. Leachate Recirculation Plan, dated August 2022, prepared by Green for Life Environmental, for the Dafter Sanitary Landfill, and approved by EGLE on August 10, 2022.

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 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 Marquette District Supervisor, for review and approval.

13. The licensee shall conduct hydrogeological monitoring in accordance with the approved hydrogeological monitoring plan, dated August 2001, revised January 2004, and May 2008, and approved by EGLE on June 19, 2008. The sampling analytical results shall be submitted to EGLE's MMD Marquette District office.

14. Modifications to the approved hydrogeological monitoring plan referenced in Item 13 may be approved, in writing, by EGLE’s MMD Marquette 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 Marquette 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 Marquette District Supervisor.

17. Requests for alternate daily cover may be approved, in writing, by EGLE's MMD Marquette District Supervisor.

18. Leakage Control Criteria:

    The active portions of the unit(s) authorized to receive waste by this license is a monitorable unit(s) which is located over a natural soil barrier and that is in compliance with the provisions of R 299.4422(2) of the Part 115 Rules.

19. **VARIANCES**: The licensee is granted the following variance(s) from Part 115 and/or the Part 115 Rules: None.

20. **SPECIAL CONDITIONS**:

    a. The licensee shall place a compacted layer of not less than six inches of earthen material, unless an exemption is granted, of suitable cover material on all exposed solid waste by the end of each working day, as required by R 299.4429(1) of the Part 115 Rules. Suitable cover shall be either uncontaminated soil or an alternate cover approved by the MMD, listed in Item i, below. Alternate cover shall be restricted as indicated in Item ii and applied as per the approved operational plan submitted by the licensee.

        i. Approved alternate cover shall be any of the following:

            Product/Waste Material

            Geotextile or approved equivalent
            Chipped Tires
            Ground Asphalt Shingles

        ii. The above materials are approved for daily cover when used in the following manner:

            (1) The licensee shall use the material as daily cover only. The material cannot be used for road building or fill in other areas of the Facility's operation.

            (2) The licensee shall maintain copies of the testing performed on Class B and Class C materials in the facility operating record.

            (3) The licensee shall only stockpile material in a secure manner within the active cell.

            (4) This approval does not preclude the licensee from disposing of the material as waste in the active fill area instead of using the material as daily cover.

            (5) This approval shall immediately become void upon documentation by EGLE that the alternative cover is not being used in accordance with listed conditions, that the alternative cover is not providing the necessary protection, that the material no longer meets the alternative daily cover guidelines, or that the process producing the waste material has changed.

            (6) If the material does not meet the guidelines from Attachment 2 of Policy and Procedure OWMRP-115-10, for nonvolatiles, the licensee shall ensure that fugitive dust emissions from this material do not occur. Acceptable methods to ensure fugitive emissions do not occur are:

                (a) Implement a schedule to wet down material; or

                (b) Cover the material with a tarp; or

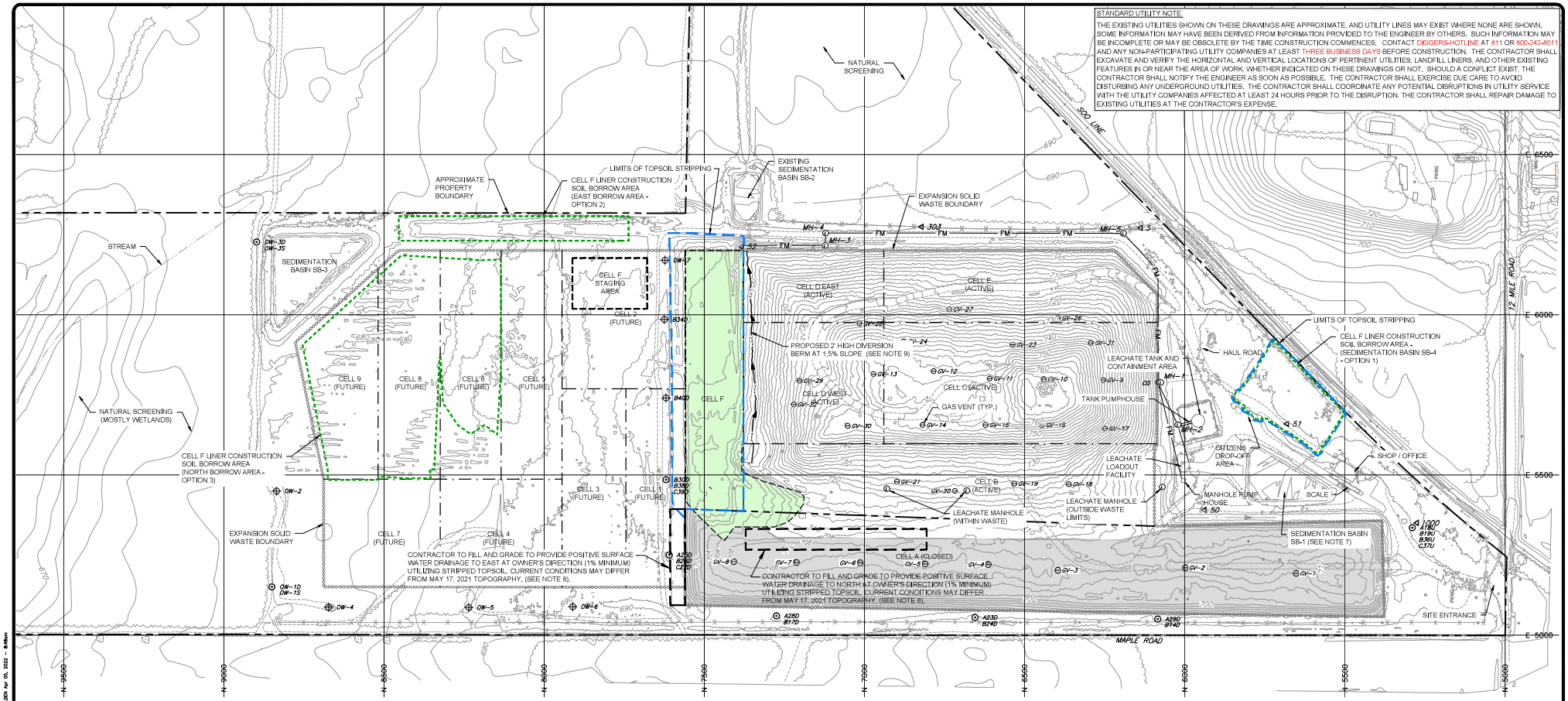
                (c) Apply an approved foam or other appropriate commercial dust control product.

(7) This approval to use alternative cover shall expire upon expiration of this operating license.

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

Attachment A



LEGEND

- PROPERTY BOUNDARY
- PERMITTED SOLID WASTE BOUNDARY
- PHASE BOUNDARY
- AREA OF FINAL COVER (CLOSED)
- EXISTING FENCE
- EXISTING WATER BODY
- EXISTING UNPAVED ROAD
- EXISTING PAVED ROAD
- EXISTING 10' CONTOUR
- EXISTING 2' CONTOUR
- 1000 — EXISTING SURVEY CONTROL POINT
- MW-23 — EXISTING MONITORING WELL
- MW-100 — EXISTING PIEZOMETER
- GV-10 — EXISTING GAS VENT
- CO — EXISTING CLEANOUT
- MH-1 — EXISTING LEACHATE MANHOLE
- FM — EXISTING FORCE MAIN LINE
- CELL F LINER CONSTRUCTION AREA
- LIMITS OF TOPSOIL STRIPPING

NOTES:

1. THE TOPOGRAPHIC BASEMAP IS BASED ON THE FOLLOWING SOURCES:
   - AERIAL SURVEYS PERFORMED BY TETRA TECH ON MAY 17, 2021, MAY 7, 2020, AND OCTOBER 20, 2020.
   - TOPOGRAPHIC SURVEY IN JUNE, 2014.
   - AERIAL SURVEY PERFORMED BY AEROMETRIC ON JUNE 1, 2005.
   - AERIAL PHOTOGRAPHY BY AEROMETRIC ON OCTOBER 19, 2000.
2. SITE STRUCTURES AND FEATURES OBTAINED FROM SHEET NO. 2 OF THE CONSTRUCTION PERMIT APPLICATION DRAWINGS (OCTOBER, 2003), PREPARED BY WENCK ASSOCIATES INC.
3. COORDINATE SYSTEM SHOWN IS SITE SPECIFIC.
4. VERTICAL DATUM IS NORTH AMERICAN VERTICAL 1998 (NAVD88). CONTOUR INTERVAL IS 2 FEET.
5. UTILITY LOCATIONS ARE APPROXIMATE.
6. HORIZONTAL AND VERTICAL CONTROL POINT DATA PROVIDED BY WASTE MANAGEMENT.
7. CONTRACTOR IS RESPONSIBLE FOR DREDGING / CLEANING THE SEDIMENTATION BASIN UPON COMPLETION OF CONSTRUCTION TOP DESIGN CONDITIONS. CONTRACTOR SHALL ALSO CLEAN DITCHES, CULVERTS, AND OTHER APPURTENANCES DISTURBED BY CONSTRUCTION ACTIVITIES.
8. POSITIVE GRADING AND STORMWATER MANAGEMENT INCLUDED AS PART OF STORMWATER MANAGEMENT BID ITEM.
9. LOCATION OF PROPOSED SURFACE WATER DIVERSION BERM IS APPROXIMATE AND TO BE FIELD VERIFIED. CONTRACTOR TO CONSTRUCT, AND MAINTAIN, SURFACE WATER DIVERSION BERM THROUGHOUT THE DURATION OF PROJECT.

HORIZONTAL AND VERTICAL CONTROL POINT LOCATIONS

POINT I.D.	NORTHING (FEET)	EASTING (FEET)	ELEVATION (FT-MSL)	DESCRIPTION
5	6,136.12	6,270.99	692.090	CP
50	5,938.67	5,360.34	693.570	CP
51	5,681.44	5,659.08	692.610	CP
52	7,383.66	6,212.08	694.290	CP
303	6,822.20	6,273.85	688.380	CP
1000	5,275.93	5,350.03	693.100	CP

LINER AREA	
CELL F ACRES	4.27 AC
TOTAL ACRES	4.27 AC

N

0 150 300
SCALE IN FEET

ISSUED FOR BID

REV	DATE	DESCRIPTION	DWN BY	DES BY	CHK BY	APP BY
1	2/14/2022	ADD. #1 – ADDED LINER ACRE TABLE	RBN	RBN	JW	JW

DATE OF ISSUE JAN. 2022
DRAWN BY RBN
DESIGNED BY RBN
CHECKED BY JW
APPROVED BY JW

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TETRA TECH

GFL ENVIRONMENTAL
DAFTER SANITARY LANDFILLL, INC.
CHIPPEWA COUNTY, MICHIGAN

CELL F LINER CONSTRUCTION
EXISTING CONDITIONS

SHEET NO. 02
PROJECT NO. 4221036

File: K:\PROJECTS\194-DAFTER\CAD\SHEETS\Cell F Liner Construction_Plan Set\02-MAP5-5-EC.dwg Layout: 02 User: RNADY-WOLDEN Apr 05, 2022 - 9:49am
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