

May 21, 2026

TRENTON BURGESS
GREAT RIVER REGIONAL WASTE AUTHORITY
2092 303RD AVENUE
FORT MADISON IA 52627

**RE: Great River Regional Waste Authority Sanitary Landfill
Permit No. 56-SDP-07-80P
2025 Permit Renewal Application
Permit Revision – Well Abandonment**

Dear Mr. Burgess:

Enclosed is a revised permit for the Great River Regional Waste Authority Sanitary Landfill.

The permit and the approved plans must be kept at the sanitary disposal project in accordance with subparagraph [567 IAC 113.11\(1\)"a"](#). Please review the permit with your operators, as they must become familiar with it.

If you have any questions, please contact me at [\(515\) 229-8356](tel:5152298356) or mike.smith@dnr.iowa.gov.

Sincerely,

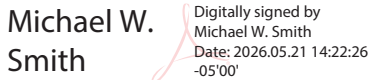
Michael
W. Smith

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Michael W. Smith
Date: 2026.05.21
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Michael W. Smith, P.E.
Environmental Engineer Senior
Land Quality Bureau

copy: Timothy C. Buelow, P.E., SCS Engineers
DNR Field Office #6

**IOWA DEPARTMENT OF NATURAL RESOURCES
SANITARY DISPOSAL PROJECT PERMIT**

- I. Permit Number:** 56-SDP-07-80P
Great River Regional Waste Authority Sanitary Landfill
- II. Permitted Agency:** Great River Regional Waste Authority
- III. Project Location:** Approximately 221 acres in the NW ¼ and SW ¼ of Section 27 and NW ¼ of Section 34, in T68N, R4W, in Lee County, Iowa. (Street address: 2092 303rd Avenue, Fort Madison, IA 62627)
- IV. Responsible Official**
Name: Trenton L. Burgess
Address: Great River Regional Waste Authority
2092 303rd Avenue
Fort Madison, IA 52627
Phone: (319) 372-6140
email: tburgess@grrwa.com
- V. Licensed Design Engineer**
Name: Morgan B. Sykes, P.E.
Address: SCS Engineers
14755 Grover Street
Omaha, NE 68144
Phone: 402-938-0323
email: msykes@scsengineers.com
Iowa License Number: P17859
- VI. Date Permit Issued:** January 15, 2026
Revised May 21, 2026
- VII. Permit Expiration Date:** January 15, 2031
- VIII. Issued by:** 
Michael W. Smith
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Date: 2026.05.21 14:22:26 -05'00'
-
- Iowa Department of Natural Resources

IX. General Provisions

The above named permitted agency is hereby authorized to operate a sanitary disposal project at the described location in conformance with Iowa Code section 455B, the rules pursuant thereto existing at the time of issuance, and any subsequent new rules which may be duly adopted, and any provisions contained in Section X of this permit.

The issuance of this permit in no way relieves the applicant of the responsibility for complying with all other local, state, and federal statutes, ordinances, and rules or other requirements applicable to the establishment and operation of this sanitary disposal project.

No legal or financial responsibility arising from the construction or operation of the approved project shall attach to the State of Iowa or the Department of Natural Resources (DNR) due to the issuance of this permit.

If title to this project is transferred, the new owner must apply to the DNR for a transfer of this permit within thirty days of the date of title transfer pursuant to subrule 113.4(3). This permit is void sixty days after the date of title transfer unless the DNR has transferred the permit.

The permit holder shall file a Quarterly Solid Waste Fee Schedule and Retained Fee Report utilizing the DNR's Form 542-3276 and remit tonnage fee payment, as applicable, for all wastes disposed at the sanitary disposal project in accordance with Iowa Code section 455B.310. The Reports will be due January 1, April 1, July 1 and October 1 for the quarters ending September 30, December 31, March 31 and June 30, respectively. The permit holder shall submit the completed report via the Iowa DNR Solid Waste Permitting Database, located at <https://programs.iowadnr.gov/solidwaste/>. This reporting procedure supersedes any previous conflicting permit provisions.

The permit holder shall weigh all solid waste collection vehicles and solid waste transport vehicles on a scale certified by the Iowa Department of Agriculture and Land Stewardship. If conditions are such that make it impractical to provide an on-site scale, then off-site scale facilities may be used if justified and approved by the DNR. The permit holder shall comply with the waste weighing, record keeping and tonnage fee reporting requirements defined in rule 101.14(455B,455D). The scale weighing facilities shall comply with the certification and licensing requirements of the Iowa Department of Agriculture and Land Stewardship at all times. The permit holder shall maintain a current copy of the weighing scale facility licensing certificate issued by the Iowa Department of Agriculture and Land Stewardship at all times.

The permit holder shall ensure that the sanitary disposal project does not (1) cause a discharge of pollutants into waters of the United States, including wetlands, that violates any requirements of the Clean Water Act, including, but not limited to, the National Pollutant Discharge Elimination System (NPDES) requirements, pursuant to Section 402 of the Clean Water Act, and (2) cause the discharge of a nonpoint source of pollution into waters of the United States, including wetlands, that violates any requirement of an areawide or statewide water quality management plan that has been approved under Section 208 or 319 of the Clean Water Act.

The permit holder shall submit an updated Municipal Solid Waste Sanitary Landfill Financial Assurance Report Form no later than April 1st, annually, pursuant to rule 113.14(455B). Use of this form provides permit holders a uniform means of submitting all required documentation to ensure that closure and postclosure cost estimates and applicable financial assurance instruments are updated as required.

² See rules published 12/11/02 and effective 1/15/03

Failure to comply with Iowa Code section 455B, or any rule of order promulgated pursuant thereto, or any provisions of this permit may result in 1) a civil penalty of up to \$5000 for each day of violation, pursuant to Iowa Code section 455B.307, or 2) the suspension or revocation of this permit, pursuant to Iowa Code section 455B.305.

X. Special Provisions

1. The permit holder is authorized to accept solid waste for disposal in accordance with the approved Great River Regional Waste Authority Comprehensive Plan. The Comprehensive Plan as approved by the DNR on February 23, 2016; any approved amendments to the plan; and the latest plan update, are hereby incorporated as permit plan documents.

The permitted service area includes: The City of Hillsboro and the unincorporated area in Henry County; all cities and the unincorporated area in Lee County; and all cities and the unincorporated area in Van Buren County.

In accordance with 567 IAC Chapter 111, the Great River Regional Waste Authority, as a participant in the Environmental Management System program, is not required to update its comprehensive plan since October 3, 2019.

2. The permit holder shall develop and operate the site in accordance with the hereby approved 2025 Permit Renewal Application dated November 19, 2025, as submitted by SCS Engineers; and the following:
 - a. Waste disposal is limited to Phase 2, Region 1; Cells R2-1, R2-2 and R2-3 in Phase 2, Region 2; Cells R3-1 and R3-2 in Region 3, and the 1st and 2nd tiers of the R3-1 separatory liner as shown on Sheet 1 of document #105640 and Sheet 1 of document #107244. Any further expansion beyond these cells shall require prior DNR approval.
 - b. The permit holder is authorized to place wastes in the Phase 2 Municipal Solid Waste Landfill Management (MSWLF) unit to the top of waste elevations shown on Drawing No. C3.3 in the hereby approved 2025 Permit Renewal Application dated November 19, 2025, as submitted by SCS Engineers.
 - c. Processing of waste in a shredder shall occur only within active MSWLF units and all liquids generated by waste shredding operations shall be managed as leachate. Materials reclaimed from waste shredding operations shall be containerized and covered as necessary to control odors, vectors and litter.
 - d. The permit holder shall collect leachate from the leachate control system and properly dispose of the leachate either by treatment in an on-site facility, discharge with an NPDES permit; or by discharge to the City of Fort Madison publicly owned treatment works (POTW). If the discharge is to a POTW with a pretreatment program approved by the DNR, the discharge must comply with the terms and conditions of a local permit issued for the

² See rules published 12/11/02 and effective 1/15/03

discharge by the POTW. If the discharge is to a POTW without an approved pretreatment program a completed treatment agreement form shall be submitted to the DNR's Wastewater Section. Copies of the local permit or treatment agreement shall be provided to the DNR's Solid Waste Section and the local Field office. The treatment agreement must be on DNR Form 31 (542-3221) and must comply with the requirements of subrule 64.3(5).

In addition, the permit holder shall monthly measure leachate head levels and elevations at all piezometers and record the volume of leachate collected and transported to the treatment works. Records of leachate contaminants testing required by the treatment works and any NPDES permit for on-site treated leachate discharges shall be maintained.

The permit holder shall annually submit a Leachate Control System Performance Evaluation (LCSPE) Report pursuant to subparagraph 113.7(5)"b"(14) as a supplement to the facility Annual Water Quality Report, as defined in subrule 113.10(10).

- e. The following shall be recorded by the permit holder and reported in the LCSPER for each leachate thickness measurement (excluding Phase 2, Region 1) that equals or exceeds 12 inches:
 - 1) Date of original and any verification measurement.
 - 2) If 12 inch or greater leachate column is verified, specific actions taken by the certified operator to lower leachate thickness, or an explanation why specific actions were not necessary.
 - 3) Date and results of follow-up measurement.
 - 4) Repeat steps 2 and 3 as necessary until a compliant measurement is collected.
 - f. The permit holder shall follow the approved Emergency Response and Remedial Action Plan (ERRAP) procedures during all emergencies pursuant to subrule 113.8(5). An updated ERRAP shall be submitted at the time of each permit renewal application. An updated ERRAP shall be included with any request for permit modification to incorporate a facility expansion or significant changes in facility operation that require modification of the currently approved ERRAP.
 - g. The permit holder is approved to temporarily store approximately 70,000 used railroad ties within the limits of the fill area for up to July 2, 2027, by which time all railroad ties will have been disposed in the working face.
3. The permit holder is authorized to construct the liner and leachate collection system in accordance with the hereby approved 2025 Permit Renewal Application dated November 19, 2025, as submitted by SCS Engineers, and the following:
 - a. The permit holder shall notify the DNR and have the site inspected when the construction of a new MSWLF unit or significant components thereof has been completed, in accordance with subrule 113.4(6). Prior to the inspection, the QC&A officer shall submit a final report to the DNR that verifies compliance with the requirements of rule 113.7 and

² See rules published 12/11/02 and effective 1/15/03

the approved plans and specifications. No waste disposal shall commence in any newly constructed unit or portion thereof until it has been inspected and approved by the DNR.

- b. The Construction Certification Report for Phase 2, Region 1 dated January 1993, as submitted by James M. Montgomery and approved on April 20, 1993; is incorporated into the permit.
- c. The Leachate Lagoon Repair report (doc #64033) dated December 10, 1996, as submitted by Foth & Van Dyke; is incorporated into the permit.
- d. The Liner Repair Activities report (doc #51772) dated June 25, 2002, as submitted by Barker Lemar Engineering Consultants; is incorporated into the permit.
- e. The Leachate Extraction Well Installation As-Built construction certification report (doc #51737) dated January 5, 2004, as submitted by Barker Lemar Engineering Consultants related to the installation of a 36" diameter leachate extraction well in each of Phase 1 and Phase 2, Region 1 and approved on March 8, 2004, is incorporated into the permit.
- f. The Revised Phase 2 Region 1 Leachate Seep Tie-In Line Design (doc #51709) dated May 4, 2005, as submitted by Barker Lemar Engineering Consultants and approved on June 20, 2005 is incorporated into the permit.
- g. The Leachate Seep Tie-In Line of Segment A-1 Construction Certification Report (doc #51682) dated January 20, 2006, as submitted by Barker Lemar Engineering Consultants and approved on May 2, 2006; is incorporated into the permit.
- h. The Construction Certification Report (doc #51683) dated February 27, 2006, regarding the construction documentation of replacement leachate piezometer LPZ-1R, as submitted by Barker Lemar Engineering Consultants and approved on May 2, 2006, is incorporated into the permit.
- i. The Phase 1 and Phase 2, Region 1 Leachate Control System Repair Schedules letter (doc #6758), dated July 27, 2007 and submitted by Barker Lemar Engineering Consultants and approved on August 6, 2007 is incorporated into the permit.
- j. The Phase 1 and Phase 2, Region 1 Leachate Control System Repairs plans (doc #9729), dated September 28, 2007, submitted by Barker Lemar Engineering Consultants and approved on October 12, 2007, is incorporated into the permit.
- k. The Construction Certification Report for the Phase 0 Cell Construction and Closure Construction (doc #9124), dated September 20, 2007 and pertains to the disposal cell now referred to as Cell R2-1, submitted by Barker Lemar Engineering Consultants and approved on September 24, 2007, is incorporated into the permit.

² See rules published 12/11/02 and effective 1/15/03

- l. The Construction Certification Report, Leachate Control System Repairs (doc #46075), dated July 31, 2009, as submitted by Barker Lemar Engineering Consultants and approved on August 21, 2014, is incorporated into the permit.
- m. The Construction Observation Report, Cell R2-2 Construction (doc #60337), dated August 24, 2010 and submitted by Barker Lemar Engineering Consultants, and approved on August 27, 2010, is incorporated into the permit.
- n. The Construction Observation Report – Cell R2-3 Construction (doc #73291), dated July 9, 2012; the sand permeability test results (doc #73096), dated July 11, 2012; and the Attachment D field density test location maps (doc #73292), received via email July 16, 2012; all submitted by Barker Lemar Engineering Consultants and approved on July 17, 2012; are incorporated into the permit.
- o. The Construction Observation Report – Leachate Extraction System Improvements (doc #84562); dated October 29, 2015; as submitted by Barker Lemar Engineering Consultants and approved on November 9, 2015 is incorporated into the permit. The report documented the installation of leachate extraction wells LEW-7, LEW-8, LEW-9, LEW-10 and LEW-11; and leachate piezometers LPZ-6 and LPZ-7 in the Phase 2 Region 1 fill area.
- p. The Leachate Toe-Drain Notification report (doc #97832), dated May 29, 2020, as submitted by Barker Lemar Engineering Consultants, is incorporated into the permit. The report documented the construction of a toe drain to correct a persistent leachate seep along the south side of the Phase 2 MSWLF unit.
- q. The Construction Observation Report – Cell R3-1 (doc #101368), dated October 7, 2021 as submitted by Evora Consulting; was approved on October 8, 2021 and is incorporated into the permit.
- r. The Construction Observation Report – Cell R3-1 Drainage Layer Sand Verification (doc #102135), dated January 24, 2022 as submitted by Evora Consulting, and documenting construction completion of the sand drainage layer; was approved on January 26, 2022 and is incorporated into the permit.
- s. The 1st Tier of Separatory Liner Construction Observation Report (doc #105640), dated January 30, 2023 as submitted by Evora Consulting, and documenting construction completion of the 1.35 acre first tier of the Cell R3-1 separatory liner; was approved on January 31, 2023 and is incorporated into the permit.
- t. The 2nd Tier of Separatory Liner Construction Observation Report (doc #107422), dated July 17, 2023 as submitted by SCS Engineers, and documenting construction completion of the 1.61-second tier of the Cell R3-1 separatory liner; was approved on July 19, 2023 and is incorporated into the permit.

² See rules published 12/11/02 and effective 1/15/03

- u. The Construction Observation Report – Cell R3-2, dated July 25, 2024 as submitted by SCS Engineers, was approved on July 26, 2024 and is incorporated into the permit.
4. The permit holder is authorized to recirculate leachate in the Phase 2 Regions 2 and 3 and in the separatory liner area in Region 1 as requested, dated July 1, 2025 (Document No. 113339), as submitted by SCS Engineers, and the following:
- a. Leachate shall not be applied on user vehicle access areas. Leachate application shall be over areas with a minimum setback of 2:1 (horizontal:vertical) from the areas in Phase 2 Region 1 without a separatory liner. Such areas shall be designated in advance by placing stakes along the setback line.
 - b. Leachate shall not be applied to vegetated areas on final cover or frozen waste cover. A means of frost protection must be provided for all leachate control elements.
 - c. Leachate shall be applied evenly on the affected area.
 - d. Leachate recirculation shall be conducted only during hours of operation and when an operator is on duty.
 - e. Leachate shall be applied in a manner such that ponding or runoff will not occur.
 - f. Leachate recirculation shall be controlled such that not more than one foot of leachate head will be allowed to accumulate above the MSWLF unit liner.
 - g. Records shall be maintained as to the time and quantities of leachate application and be submitted with the facility LCSPER.
 - h. Leachate recirculation shall be immediately terminated if it causes ponding, runoff, excessive odor, vector control problems, vapor drift, ice formation, or operational problems. The DNR's local field office shall be immediately notified if any of the above events occur.
 - i. Well abandonment forms for Monitoring Wells MW-34A and MW-34B, submitted by SCS Engineers in Appendix G of the 2025 Phase 2 MSWLF Unit Annual Water Quality Report, dated May 5, 2026, are hereby approved and incorporated into the permit.
5. Hydrologic monitoring at the site shall be conducted in accordance with the Hydrologic Monitoring System Plan (HMSP) contained in Appendix 9A of the Request for Permit Amendment and Approval to Construct the 2019 North Lateral Expansion, and Application for Permit Renewal (docs #96921-#96925); dated January 31, 2020; as submitted by Barker Lemar Engineering Consultants; and the following:
- a. The HMSP shall include:

² See rules published 12/11/02 and effective 1/15/03

Monitoring wells - MW-10R (background), MW-26, MW-28, and MW-29, and
Groundwater underdrains - Phase 2 Underdrain, GU-1, GU-2, GU-3A, and GU-4A.

- b. DNR construction documentation form 542-1277 and boring logs for all monitoring wells and piezometers shall be submitted within 30 days of installation. DNR construction documentation form 542-1323 shall be submitted within 30 days of establishing surface water monitoring points.

- c. The permit holder shall conduct background and routine semiannual groundwater sampling and analysis; as well as perform statistical tests for the approved monitoring points for Appendix I in accordance with rule 113.10(455B). Groundwater samples shall **not** be field-filtered prior to laboratory analysis and total suspended solids shall be analyzed using Method 1376585, with a reporting limit goal of ≤ 2 mg/l). Turbidity measurement may be approved by the DNR in lieu of TSS, provided a correlation between the two is established.

Discharges from the R2-1 and R2-2 Cells' groundwater underdrains monitored at GU-1 and GU-2 were reported as being directed into the leachate collection system by the permit holder in the February 29, 2012 letter (doc #68997) from Barker Lemar Engineering Consultants. Consequently, the sampling frequency at groundwater underdrain monitoring points GU-1 and GU-2 shall be annually, provided discharge from these points continues to be managed as leachate.

- d. The permit holder shall include in each AWQR an evaluation of TSS/turbidity data and other pertinent sampling and analytical results, to determine if representative samples of groundwater have been collected. If samples are not representative, the permit holder may be required to utilize low flow or no-purge sampling methods, consider new well construction with an optimized filter pack design, and/or additional well development. If sample quality does not improve with improved well construction, well development, and/or sampling methods, the DNR will consider higher TSS/turbidity levels as representative of site groundwater conditions.
- e. The frequency for full Appendix II analysis at monitoring points that are in assessment monitoring and have had at least two (2) rounds of analysis using the entire Appendix II list may be decreased to once every (5) five years. If monitoring points exit assessment monitoring and later return to assessment monitoring an additional two (2) rounds of analysis using the entire Appendix II list is required.
- f. The permit holder shall semiannually measure groundwater elevations within 1/100 of a foot in each well and immediately prior to purging, each time groundwater is sampled.

² See rules published 12/11/02 and effective 1/15/03

- g. The permit holder shall collect semiannual groundwater elevation measurements from the groundwater piezometer installed in the R2-1 cell, as referenced in the construction certification report for that cell (doc #9124), dated September 20, 2007 in order to measure the separation of the base of the MSWLF unit from the groundwater table as required in paragraph 113.6(2)"i". This data shall be included in the facilities' Annual Water Quality Report (AWQR).
- h. An AWQR summarizing the effects the facility is having on groundwater quality shall be submitted to the DNR's Solid Waste Section by January 31 each year. This report shall be prepared in accordance with subrule 113.10(10) by a qualified groundwater scientist pursuant to paragraph 113.10(1)"d" and by using the DNR Annual Water Quality Report Format.
- i. Groundwater monitoring points MW-13 and MW-19 located in Phase 2 have been previously abandoned.
- j. The monitoring well construction documentation forms for MW-26, MW-27, and MW-28, as acknowledged on July 30, 1993 (doc #67287); are incorporated into the permit.
- k. The well abandonment documentation form for monitoring well MW-12, as attached to the July 9, 2002 correspondence (doc #51770) from Barker Lemar Engineering Consultants; is incorporated into the permit.
- l. The well abandonment documentation form for monitoring well MW-10 and the construction documentation and boring log for MW-10R (doc #51695), dated August 10, 2005 by Barker Lemar Engineering Consultants, is incorporated into the permit.
- m. The well abandonment documentation forms for monitoring wells MW-8, MW-17, and MW-18 (doc #13865), dated November 21, 2007 by Barker Lemar Engineering Consultants, are incorporated into the permit.
- n. The MW-30 well construction documentation (doc #44289), dated June 24, 2009, as submitted by Barker Lemar Engineering Consultants, is incorporated into the permit.
- o. The monitoring well documentation for MW-29 (doc #59411), dated July 21, 2010 and submitted by Barker Lemar Engineering Consultants, is incorporated into the permit.
- p. The monitoring well installation documentation for monitoring wells MW-31, MW-32 and MW-33 (doc #76138); dated February 26, 2013; as submitted by Barker Lemar Engineering Consultants; and approved October 9, 2013; is incorporated into the permit.
- q. The groundwater monitoring well construction documentation for MW-34A, MW-34B, MW-35A, MW-35B, MW-36, MW-37, MW-38A, and MW-38B, as contained in Appendix 4 (Hydrogeological Report) within the Request for Permit Amendment and Approval for

² See rules published 12/11/02 and effective 1/15/03

Construct the 2019 North Lateral Expansion and Application for Permit Renewal (docs #96921-#96925), dated January 31, 2020; as submitted by Barker Lemar Engineering Consultants; is incorporated into the permit.

6. The permit holder shall conduct subsurface gas monitoring in accordance with the hereby approved Landfill Gas Monitoring Network dated December 5, 2025, as submitted by SCS Engineers, and the following:
 - a. The permit holder shall quarterly monitor and annually report site methane concentrations in accordance with rule 113.9(455B). Specific actions, as defined in the rules, shall be taken in the event of methane gas level limit exceedances.
 - b. The permit holder shall annually submit a report by January 31 summarizing the methane gas monitoring results and any action taken resulting from gas levels exceeding the specified limits during the previous 12 months as a supplement to the facility Annual Water Quality Report, as defined in subrule 113.10(10).
 - c. The boring log/well construction information submitted in document entitled "Gas Monitoring Probe Installation" (doc #84299), dated September 24, 2015 and approved on December 1, 2015, is incorporated into the permit. Gas probes LFGW-1A, LFGW-1B, and LFGW-1C are added to the gas monitoring plan.

7. In accordance with the variance to allow disposal of untreated petroleum contaminated soils (doc #95968, PCS) approved on September 24, 2019, the permit holder is authorized to directly dispose of untreated PCS at the working face for a period to coincide with the solid waste permit expiration date; and the following:
 - a. The PCS must be immediately buried at the working face pursuant to 567.113.8(1)"b"(3).
 - b. The untreated PCS must not contain free liquids pursuant to 567.113.8(1)"b"(1).
 - c. PCS resulting from the cleanup of petroleum underground storage tanks are exempt from RCRA hazardous waste management if the soil 1) exhibits the TC for D018-D043, and 2) are subject to the corrective action requirements in 40 CFR Part 280 of the UST regulations. This exemption does not apply to petroleum contaminated media resulting from spills or releases from above ground storage tanks, other surface spills, or if the PCS becomes contaminated with a listed hazardous waste.
 - d. PCS meeting the above-referenced criteria is deemed a "solid waste" and therefore applicable waste flow and tonnage fee requirements will need to be adhered. PCS may continue to be received for remediation pursuant to subrule 109.11(2), or accepted from outside the planning area for disposal as long as the provisions of IAC 567 Chapter 101.4 are followed (i.e. maintain written approvals).

² See rules published 12/11/02 and effective 1/15/03

8. The permit holder is authorized to collect, process, grind, or chip trees, limbs, brush, and clean wood wastes free of coatings and preservatives, for the purposes of reuse as bedding material, mulch, compost bulking material; or for other beneficial reuses, in accordance with the following:
 - a. Trees, limbs, brush, and clean wood wastes shall not be stored for a period exceeding twelve (12) months before processing.
 - b. Ground or chipped materials shall not be allowed to accumulate such that the stockpiles are not completely reused within twelve (12) months of initial stockpiling.
 - c. The processed materials may be used as mulch or soil conditioner for off-site purposes and on landfill areas with intermediate and final cover and on soil borrow areas.
 - d. Mulch applied to existing vegetated landfill areas shall be applied at a rate such that established vegetation is not adversely impacted by its use.

9. The permit holder is authorized to use a geotextile by the trade name *Airspace Saver™*, manufactured by FABRENE®, as an alternative cover material for the active MSWLF unit, subject to the following:
 - a. The use and installation of this product shall be in conformance with the manufacturer's recommendations.
 - b. This product shall only be used as a daily alternative cover material and shall not be utilized as a replacement for soil cover if application performance in terms of litter, vector, odor, and precipitation entry control is not provided.
 - c. This product shall be applied so as not to promote water ponding, or drainage run-on from adjacent upper and side MSWLF unit areas beneath the installed geotextile.
 - d. This product shall be weighted at the close of each working day to prevent displacement by wind using soil or tires.
 - e. This product shall not be exposed for longer than **seven (7)** consecutive days. For any waste covered with this product beyond the stipulated period, the product shall be removed and the underlying waste shall be immediately covered with soil in accordance with the applicable IAC rules.
 - f. This product shall not be used if it becomes damaged or worn, or if the intended performance is breached. In such instances, this product shall be disposed of as a part of the waste fill.

² See rules published 12/11/02 and effective 1/15/03

12. The permit holder is authorized to temporarily store white goods and scrap metal in an area designated by the operator. No discarded appliance may be stored for more than 270 days without being demanufactured. No scrap metal or discarded appliance may be stored for more than a total of twelve (12) months, including demanufacturing processing, prior to being recycled/salvaged. The operator and salvaging contractor shall comply with applicable provisions of IAC 567 Chapter 118 and the General Provisions of this permit. No scavenging shall be allowed.
13. The permit holder is authorized to accept and temporarily store lead acid batteries for recycling purposes. Lead acid batteries must be stored in a designated area that will curtail movement of acids and provide proper ventilation of gases from the batteries. The maximum length of time for storage is twelve (12) months.
14. The permit holder is authorized to collect and temporarily store plastic farm pesticide containers for recycling. The storage area shall be located at a readily accessible area to the facility. The following conditions and procedures shall apply:
 - a. Pesticide containers containing any product or free liquids shall not be accepted for recycling or disposal.
 - b. The storage area shall be used only for recyclable plastic farm pesticide containers that have been properly rinsed and drained. Contact the Iowa Department of Agriculture and Land Stewardship (IDALS) Pesticide Bureau at (515) 281-8506 for container rinsing and recycling information.
 - c. The storage area shall be either fenced or provided with a recycle bin to keep the containers segregated from other wastes and to prevent them from leaving the storage area during windy conditions.
 - d. The storage area base shall be graded to divert surface water run-on. An all weather access to the area shall be provided.
 - e. The base of the storage area that does not utilize a recycle bin should be provided with either an impervious surfacing, or rock or anchored plastic membrane surfacing over a compacted soil base to keep the containers free of dirt to maximize material recovery and minimize damage to recycle grinding equipment.
 - f. All stored containers shall be removed from the temporary storage area and granulated on-site for recycling purposes by April 1st annually. Contact the Agribusiness Association of Iowa at (515) 262-8323 to schedule container recycle granulation and site removal.
 - g. The storage area shall be monitored frequently by the operator to confirm proper usage and to visually check for the presence of any product or rinsate releases to the environment or storage area.

² See rules published 12/11/02 and effective 1/15/03

- h. Any containers found in the storage area with free product or product rinsate liquids shall be promptly removed from the storage area and either returned to the disposer or properly rinsed, drained and the liquids discharged to the on-site leachate storage system or land applied on the landfill site at the allowable labeled application rate for the product. Care should be taken to apply the product liquids to the appropriate area.
 - i. If any apparent releases to the storage area are observed by the operator or DNR personnel, the operator shall promptly report the event to the IDALS Pesticide Bureau by telephone at (515) 281-8506 with a follow-up written report of the event to IDALS. Report copies shall be provided to the DNR's Main and local Field office. IDALS representatives will conduct a site visit, sample the appropriate areas, complete the necessary contaminant(s) testing and notify the DNR of any recommended actions to be taken. The DNR will inform the permit holder of required actions to remedy the release.
15. The permit holder is authorized to collect and temporarily store rigid recyclable wastes (e.g., metal cans, glass bottles and plastic bottles) and fiber recyclable wastes (e.g., magazines, catalogs, books, envelopes and paper) in segregated recycling boxes located near the landfill entrance. The following conditions and procedures shall apply:
- a. The recyclables shall not be stored for a period exceeding six (6) months.
 - b. The recycle boxes shall be fitted with lids to prevent precipitation entry and to control litter.
 - c. Separate boxes should be provided to segregate metals and plastics to facilitate recycling recovery.
 - d. Recycling boxes shall be labeled to facilitate public use.
 - e. Records shall be maintained to document amounts of waste recycled for quarterly Solid Waste Fee reporting and the dates that each box content is removed from the site for recycling to confirm storage time limitations.
 - f. Recycling activities shall be monitored to ensure that no other disposable wastes are stored in recycle boxes.
 - g. Farm chemical containers shall not be stored in recycling boxes. Separate authorization for this purpose shall be secured by permit amendment.
16. The permit holder shall close the Phase 2 MSWLF Unit in accordance with the Closure Plan contained in Appendix 7 of the Request for Permit Amendment and Approval to Construct the 2019 North Lateral Expansion, and the hereby approved 2025 Permit Renewal Application dated November 19, 2025, as submitted by SCS Engineers; and the following:

² See rules published 12/11/02 and effective 1/15/03

- a. The Construction Certification Report, Phase 0 Cell Construction and Closure Construction (doc #9124), dated September 20, 2007, submitted by Barker Lemar Engineering Consultants, and approved on September 24, 2007, is incorporated into the permit. The report documents the construction of final cover over 7.5 acres of Phase 2, Region 1.

² See rules published 12/11/02 and effective 1/15/03

XI. Special Provisions - Closed Units

The DNR received a fully executed copy of the previously agreed upon environmental covenant (EC) for the closed Phase I MSWLF Unit on October 20, 2025. The EC was recorded at the Lee County Recorder's Office as Document 2025 4407 on October 17, 2025. See also Document No. 114521.

XII. Permit Renewal and Revision History

Date	Comment
1/15/2026	Permit Renewal
5/21/2026	Approves abandonment of MW-34A and MW-34B

² See rules published 12/11/02 and effective 1/15/03