



STATE OF TENNESSEE
DEPARTMENT OF ENVIRONMENT AND CONSERVATION

Division of Solid Waste Management
William R. Snodgrass Tennessee Tower
312 Rosa L. Parks Avenue, 14th Floor
Nashville, Tennessee 37243

February 9, 2021

Mr. Chris Shaffer, City Administrator
City of Lawrenceburg
25 Public Square
Lawrenceburg, TN 38464

CERTIFIED MAIL
7016 0910 0000 2996 0789
RETURN RECEIPT REQUESTED

RE: Final Permit Decision – Class III Landfill Major Modification
City of Lawrenceburg Class III Landfill – DML500000129

Dear Mr. Shaffer:

The Tennessee Department of Environment and Conservation (TDEC), Division of Solid Waste Management (DSWM), is hereby issuing the enclosed permit to you for a horizontal expansion for the referenced disposal facility. A copy of the final permit decision summary and response to public comments received are also enclosed.

Please be aware that, before the permit can become effective, you must file additional financial assurance documents with the Commissioner. Financial assurance for this site is required in the amount of \$478,574.08. Please contact Ms. Erini Ryad at (615) 253-6367 for assistance concerning financial assurance.

I appreciate your interest in complying with State statutes and look forward to working with you again. If you have any questions, please contact Brianna Rives of this office by email at Brianna.Rives@tn.gov or call 615-532-2756.

Sincerely,

A handwritten signature in cursive script, appearing to read "Lisa A. Hughey".

Lisa A. Hughey, CHMM
Director

Enclosures -- (3)

cc: Steven Wintheiser, DSWM, Columbia Environmental Field Office
Karen Stevenson, TDEC, Interim Director for External Affairs
Kayse Smith, DSWM, Public Participation Officer, Nashville Central Office
Loretta Buchanan, DSWM, Nashville Central Office
Daisy Crary, DSWM, Central Files, Nashville Central Office
Erini Ryad, TDEC, Financial Responsibility Group
Ian Jakul, TDEC, Financial Responsibility Group



**City of Lawrenceburg Class III Demolition Landfill
Permit # DML 500000129, Unit 3 only
FINANCIAL ASSURANCE WORKSHEET**

ITEM	ACTIVITY	2021
1	Closure Cost	\$350,456.68
2	Post Closure Cost	\$66,917.40
3	Operation Cost	\$61,200.00
4	Total Financial Assurance Amount Due	\$478,574.08

NOTES

- (1) The estimated third-party cost to close the solid waste unit as submitted by owner/operator and as approved and amended by the Division of Solid Waste Management.
- (2) The summation of the 2 years of post closure cost as submitted by the owner/operator and approved or amended by the Division
- (3) Calculated at 60 tons per day x 30 days at \$ 34 per ton.
- (4) Subtotal of items (1+2+3) above.

ANNUAL INFLATION ADJUSTMENTS

Annual inflation adjustments to financial assurance will utilize the inflation factor as published annually by the U. S. Department of Commerce. This factor will be applied at the conclusion of the first year to the dollar amount of financial assurance as calculated in the year in which the financial assurance was established. The application of the annually published inflation factor will be applied each year to the prior year's inflation adjusted closure, post closure, and operational cost. The process will continue in subsequent years until the facility is certified closed.

The total amount of financial assurance can be reduced after certification of closure by the sum of closure cost and operations cost adjustments at the point of closure.

After the first year of post closure, the post closure amount will be reduced by the approved cost of that year's post closure care. The cost of the remaining years will be adjusted for inflation by using the inflation factor as published by the U. S. Department of Commerce. This process will be repeated each year for the duration of post closure.

FACT SHEET
City of Lawrenceburg Class III Landfill (DML500000129)
Lateral Expansion

I. BACKGROUND

- A. Name of Applicant: City of Lawrenceburg
Chris Shaffer
City of Lawrenceburg City Administrator
25 Public Square
Lawrenceburg, TN 38464
931-762-4459 x101
- Mr. Gary Wayne Hyde
City of Lawrenceburg Solid Waste Director
25 Public Square
Lawrenceburg, TN 38464
931-766-0900
- B. Type of Facility: Class III Landfill
- C. Entity Served: Lawrence County, Tennessee
- D. Status: Lateral Expansion
- E. Site Location: The Facility is located near Glenn Springs Road
Lawrenceburg, Tennessee 38464
(Latitude N35°12'26" Longitude W87°22'48")
- F. Total Facility Area: 144 acres
- G. Permitted Disposal Area: 10.96 acres (Unit I, 5.36 acres and unit II 5.60 acres)
- H. Proposed Disposal Area: 8.32 acres (Unit III, 3.20 acres and unit IV 5.12 acres)
- I. Type of Waste: Class III waste which may include construction and demolition waste, including but not limited to: scrap lumber, brick/block, wood (trees, brush, etc.), shingles, vinyl and aluminum siding, concrete, furniture, other non-hazardous construction and demolition related waste.

Waste materials that will not be allowed for disposal at this facility include, but are not limited to: liquid waste, tires, medical waste, mattresses, box springs, white goods, dead animals and ash generated from municipal solid waste combustion processes. No special or sanitary wastes will be accepted at this facility.

The source of waste material is anticipated to be from the new construction of both residential and commercial (not

City of Lawrenceburg Class III Landfill (DML500000129)
Lateral Expansion

industrial) structures as well as renovation and demolition of existing structures.

II. PLANS AND DOCUMENTATION

A. Hydrogeologic Report:

- i. Prepared By: Ardent Geotechnical Consultants LLC
151 Heritage Park Drive, Suite 403
Murfreesboro, Tennessee, 37129-0505

- ii. Reviewed By: Patrick Mulligan, PG
Chief Geologist
Division of Solid Waste Management
Knoxville Environmental Field Office

Steve Wintheiser, PG
Division of Solid Waste Management
Columbia Environmental Field Office

B. Engineering Plans:

- i. Prepared By: Trestles LLC
3050 Business Park Circle, Suite 200
Goodlettsville, Tennessee 37072

- ii. Reviewed By: Beverly Philpot
Environmental Field Office Manager
Division of Solid Waste Management
Columbia Environmental Field Office

Abe Almassi, P.E.
Environmental Consultant
Division of Solid Waste Management
Central Office

- iii. Final Review By: Lisa A. Hughey, CHMM
Division Director
Division of Solid Waste Management
Central Office

Craig Almanza
Deputy Director
Division of Solid Waste Management
Central Office



STATE OF TENNESSEE
DEPARTMENT OF ENVIRONMENT AND CONSERVATION

Division of Solid Waste Management
William R. Snodgrass Tennessee Tower
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Nashville, Tennessee 37243

RE: Response to Public Comments
City of Lawrenceburg Class III Landfill – DML500000129

Rule 0400-11-01-.02(4)(e)2(i) states that public notice of the preparation of a draft permit or a notice of intent to deny an original permit shall allow at least 45 days for public comment.

The 45-day public comment period began on December 22, 2021 and ended on Friday, February 5, 2021. The Tennessee Department of Environment and Conservation (TDEC), Division of Solid Waste Management (DSWM), received no oral or written comments during the above-mentioned public comment period. Additionally, a public hearing was not requested.

City of Lawrenceburg Landfill Permit Modification Approved

The Tennessee Department of Environment and Conservation (TDEC), Division of Solid Waste Management (DSWM), has issued a solid waste disposal facility permit major modification to the City of Lawrenceburg Class III Landfill. The facility, identified as DML500000129, is located in Lawrence County at Grinnell Drive, Lawrenceburg, Tennessee.

This permit authorizes the lateral expansion of an additional 8.32 acres of disposal area. Waste acceptance at this site is limited to construction and demolition waste, including but not limited to: scrap lumber, brick/block, wood (trees, brush, etc.), shingles, vinyl and aluminum siding, concrete, furniture, other non-hazardous construction and demolition related waste, and/or certain wastes having similar characteristics and approved in writing by TDEC. Waste materials that will not be allowed for disposal at this facility include, but are not limited to: liquid waste, tires, medical waste, mattresses, box springs, white goods, dead animals and ash generated from municipal solid waste combustion processes. No special or sanitary wastes will be accepted at this facility.

DSWM made the draft of this permit available for review during a 45-day public comment period which ended February 5, 2021. DSWM received no oral or written comments during the above mentioned public comment period.

The final permit is posted online. Visit tn.gov/environment/notices/lawrenceburg-demo to access the facility information in the Dataviewer. Two locations also have paper copies available for review:

TDEC Central Office
TDEC DSWM, Tennessee Tower, 14th Floor
312 Rosa L. Parks Ave
Nashville, TN 37243
615-532-0780

TDEC Columbia
Environmental Field Office
1421 Hampshire Pike
Columbia, TN 38401
931-380-3371

For questions, contact the facility's official responsible for operation or DSWM's Solid Waste Permitting Manager:

Mr. Chris Shaffer, City Administrator
City of Lawrenceburg
25 Public Square
Lawrenceburg, TN 38464
931-766-1251

Mr. Nickolaus Lytle
TDEC DSWM, Tennessee Tower, 14th Floor
312 Rosa L. Parks Ave
Nashville, TN 37243
615-532-8004
Fax: 615-532-0938
Nickolaus.Lytle@tn.gov

If it is hard for you to read, speak, or understand English, TDEC may be able to provide translation or interpretation services free of charge. Please call 615-532-0780 for more information.

TDEC is an Equal Employment Opportunity/Affirmative Action (EEO/AA) employer. TDEC does not unlawfully discriminate on any basis prohibited by applicable law in any of its programs, services or activities.

EEO/AA/ADAAA inquiries or complaints may be directed to the ADAAA Coordinator, HR Division, at 615-532-0200. Hearing impaired callers may use the Tennessee Relay Service 800-848-0298.

If you would like to receive notices like this directly, contact the Public Participation Officer in DSWM's Central Office for a Mailing List Request form. Email Solid.Waste@tn.gov or call 615-532-0963.

State of Tennessee
Department of Environment and Conservation
Division of Solid Waste Management

Solid Waste Management Program
William R. Snodgrass Tennessee Tower
312 Rosa L. Parks Avenue, 14th Floor
Nashville, Tennessee 37243
615-532-0780

**REGISTRATION AUTHORIZING SOLID WASTE
DISPOSAL ACTIVITIES IN
TENNESSEE**

Registration Number: DML500000129

Date Issued: February 9, 2021

Issued to: City of Lawrenceburg Legislative Body

Activities Authorized:

Construction, operation, closure, and post-closure care of a Class III disposal facility located near Glenn Springs Road in Lawrenceburg, Tennessee.

By my signature, this registration is issued in compliance with the provisions of the Tennessee Solid Waste Disposal Act (Tennessee Code Annotated, Section 68-211-101, et seq.), and applicable regulations developed pursuant to this law and in effect; and in accordance with the conditions and other terms set forth in this registration document and attached Registration Conditions.


Lisa A. Hughey, CHMM, Director
Division of Solid Waste Management

PERMIT TERMS AND CONDITIONS

1. Re-certification by Permittee for Facilities Whose Initial Operation is Delayed - If the facility does not initiate construction and/or operation within one year of the date of this permit, the permittee must re-certify the application in accordance with Rule 0400-11-01-.02(3)(d).
2. Duty to Comply - The permittee must comply with all conditions of this permit, unless otherwise authorized by the Department. Any permit noncompliance, except as otherwise authorized by the Department, constitutes a violation of the Act and is grounds for enforcement action, or for permit termination, revocation and re-issuance, or modification.
3. Need to Halt or Reduce Activity Not a Defense - It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.
4. Duty to Mitigate - In the event of noncompliance with the permit, the permittee shall take all reasonable steps to minimize releases to the environment, and shall carry out such measures as are reasonable to prevent adverse impacts on human health or the environment.
5. Proper Operation and Maintenance - The permittee shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the permittee to achieve compliance with the conditions of this permit. Proper operation and maintenance includes effective performance, adequate funding, adequate operator staffing and training, and adequate laboratory and process controls, including appropriate quality assurance procedures. This provision requires the operation of back-up or auxiliary facilities or similar systems only when necessary to achieve compliance with the conditions of the permit.
6. Permit Actions - This permit may be modified, revoked and re-issued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and re-issuance, or termination, or a notification of planned changes or anticipated noncompliance, does not stay any existing permit condition.
7. Property Rights - This permit does not convey any property rights of any sort, or any exclusive privilege.
8. Duty to Provide Information - The permittee shall furnish to the Commissioner, within a reasonable time, any relevant information which the Commissioner may request to determine whether cause exists for modifying, revoking and re-issuing, or terminating this permit, or to determine compliance with this permit. The permittee must also furnish to the Commissioner, upon request, copies required to be kept by this permit. All records, including a copy of this permit and the approved Part I and Part II application, must be maintained at the facility or other locations as approved by the Commissioner.
9. Inspection and Entry - The permittee shall allow the Commissioner, or an authorized representative, to:

- (i) Enter at any reasonable time the permittee's premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of this permit;
- (ii) Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;
- (iii) Inspect at any reasonable time any facilities, equipment (including monitoring and control equipment), practices or operations regulated or required under this permit (Note: If requested by the permittee at the time of sampling, the Commissioner shall split with the permittee any samples taken.);
- (iv) Sample or monitor at reasonable times, for the purposes of assuring permit compliance or as otherwise authorized by the Act any substances or parameters at any location; and
- (v) Make photographs for the purpose of documenting items of compliance or noncompliance at waste management units, or where appropriate to protect legitimate proprietary interests, require the permittee to make such photos for the Commissioner.

10. Monitoring and Records

- (i) Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity.
- (ii) The permittee shall retain records of all required monitoring information. The permittee shall maintain records for all groundwater monitoring wells and associated ground-water surface elevations, for the active life of the facility, and for the post-closure care period as well. This period may be extended by request of the Commissioner at any time.
- (iii) Records of monitoring information shall include:
 - (I) The date, exact place, and time of sampling or measurements;
 - (II) The individual(s) who performed the sampling or measurements;
 - (III) The date(s) analyses were performed;
 - (IV) The individual(s) who performed the analyses;
 - (V) The analytical techniques or methods used (including equipment used); and
 - (VI) The results of such analyses.

11. Reporting Requirements

- (i) The permittee shall give notice to the Commissioner as soon as possible of any planned physical alterations or additions to the permitted facility.
- (ii) Monitoring results shall be reported at the intervals specified elsewhere in this permit.
- (iii) The permittee shall report orally within 24 hours from the time the permittee becomes aware of the circumstances of any release, discharge, fire, or explosion from the permitted solid waste facility which could threaten the environment or human health outside the facility. Such report shall be made to the Tennessee Emergency Management Agency, using the 24-hour toll-free number (800) 262-3300.
- (iv) Where the permittee becomes aware that it failed to submit any relevant facts in a permit application, or submitted incorrect information in a permit application or in any report to the Commissioner, it shall promptly submit such facts or information.

12. Periodic Survey

- (i) Within 60 days of his receipt of the written request of the Commissioner to do so, the permittee shall cause to be conducted a survey of active and/or closed portions of his facility in order to determine if operations (e.g., cut and fill boundaries, grades) are being conducted in accordance with the approved design and operational plans. The permittee must report the results of such survey to the Commissioner within 90 days of his receipt of the Commissioner's request.
- (ii) The Commissioner may request such a survey:
 - (I) If he has reason to believe that operations are being conducted in a manner that significantly deviates from the approved plans; and/or
 - (II) As a periodic verification (but no more than annually) that operations are being conducted in accordance with the approved plans.
- (iii) Any survey performed pursuant to this part must be performed by a qualified land surveyor duly authorized under Tennessee law to conduct such activities.

13. Duration of Permits - This permit shall be effective for the operating life of the facility.

14. Effect of Permit - The issuance of this permit does not authorize the permittee to injure persons or property or to invade other private rights, or to violate any local law or regulations.

15. Transfer, Modification, Revocation and Re-issuance, and Termination of Permits - This permit may be transferred, modified, revoked or reissued, or terminated as set forth in 0400-11-01-.02(6).

16. Applicable Standards - All applicable facility standards of Rule Chapter 0400-11-01, Solid Waste Processing and Disposal Amendments shall be considered conditions of this registration.
17. Penalties - Any violation of the conditions or other terms of this registration may subject the registrant to the penalties set forth in Tennessee Code Annotated Section 68-211-114 and 68-211-117.
18. Hazardous Waste Restriction - No hazardous waste, as regulated by the Tennessee Hazardous Waste Management Act (TCA Section 68-212-101, et seq.), and the Rules adopted pursuant to that Act, shall be accepted at this facility.
19. Construction and Operation - The permittee shall construct and operate the facility in accordance with the approved engineering plans and operations manual which becomes a condition of this permit as Attachment I.
20. Financial Assurance - Prior to beginning operation, the permittee must file a Financial Assurance Instrument in accordance with Rule 0400-11-01-.03.
21. Special Waste - Except as specifically provided for in the Facility-Specific Conditions of this permit, the permittee may not accept for disposal any special waste unless approved to do so in writing by this Department.
22. Automobile Batteries - This facility is specifically prohibited from accepting automobile batteries for disposal.

Registration Number: DML500000129

Date Issued: February 9, 2021

VARIANCES AND WAIVERS

The following variances or waivers from standards or requirements in Rule 0400-11-01, Solid Waste Processing and Disposal Amendments, are hereby granted in accordance with Rule 0400-11-01-.01(5):

None

FACILITY-SPECIFIC PERMIT CONDITIONS

The following conditions of this permit are established pursuant to Rule 0400-11-01-.02(5)(b):

1. This permit has been approved for Units 1, 2, 3, and 4 as depicted on Sheet C1.0 of the engineering plans. However, Units 1 and 2 have separate design plans and an operations manual which are included in the existing permit dated March 31, 2020. The Unit 1 and 2 design plans, and Operations Manual will become part of this permit by reference.
2. The Permittee must file, maintain, and secure the required amount of financial assurance with the Division of Solid Waste Management (DSWM) prior to the placement of waste in any cell.
3. The DSWM must concur that the Construction Quality Assurance Report is acceptable prior to waste placement in any newly constructed waste disposal area.
4. Upon reaching the base grade of excavation for any phase of cell development, the permittee must notify the Division of Solid Waste Management (DSWM). Personnel from the Columbia Environmental Field Office (CEFO) must be given notice at least 72 hours advance notice before any confirmatory sampling of the base grade is performed for the purpose of demonstrating compliance with the geological buffer permeability standards.
5. Upon achieving the base grade of excavation for each phase of cell development, the permittee must notify DSWM. Personnel from the CEFO will inspect the base grade for soft spots, wet zones, bedrock, and voids prior to waste placement. The DSWM may require further investigation if such conditions are encountered.
6. If geologic buffer has to be constructed at any point of cell development, the permittee must submit a construction test report which documents that the constructed buffer consists of five feet of compacted soils with a maximum hydraulic conductivity of 1.0×10^{-6} cm/sec.
7. During the land-clearing activities, and prior to cell construction, the permittee must construct the sediment ponds and all necessary appurtenances for runoff control of the area to be developed.
8. The permittee will submit to the DSWM the Facility Engineer's certification and record drawings showing all constructed stormwater drainage structures, including type, size, slope and elevation information of each drainage structure.
9. Settled solids shall be removed from the sediment pond any time that sufficient sediment has accumulated in the basin and when storage capacity has been reduced to 75 percent capacity.

10. The stormwater erosion control structures shall be inspected at least once each month and immediately following any significant [one inch, in a 24-hour period or greater] rain event. Inspections shall be recorded and available for the DSWM's review. Any damaged structures must be repaired in a timely fashion.
11. Before initial receipt of wastes at this facility, and during all periods of operations, thereafter, the facility must maintain on-site, a roll-off bin that is staged and ready to receive unacceptable materials that have been diverted from landfill.
12. The post-closure care period will not begin until the permittee certifies final closure, the facility is completed or the permittee has elected to permanently cease operations, and the closure is acceptable by the DSWM.
13. All groundwater monitoring wells shall be monitored for the presence of methane gas accumulation within the well casings at least once per year. The monitoring shall be performed immediately after the well is opened for sampling (e.g., the well shall not be allowed to "breathe" or "equilibrate" before monitoring takes place). A contingency plan which defines levels for methane and subsequent remedial actions to be taken in the event that methane is found at or above the defined action levels must be submitted to the DSWM personnel at the Columbia Environmental Field Office within 90 days of issuance of this permit.