

FACT SHEET

North Memphis Class III Landfill (DML790000109) Vertical Expansion

I. BACKGROUND

- A. Name of Applicant: Eco2 Recycling Development Center, LLC
(d.b.a. North Memphis Landfill)
Dan Nisbit, President
382 Klinke Road
Memphis, TN 38127
- B. Type of Facility: Class III Landfill
- C. Status: Existing Facility – Proposed Vertical Expansion
- D. Type of Modification: Major Modification
- E. Site Location: The facility is located at 382 Klinke Road, Memphis, Tennessee, Shelby County.
- F. Property Area: Approximately 152 Acres
- G. Permitted Disposal Area: 52.37 acres
- H. Type of Waste: The type of waste accepted at the North Memphis Class III Landfill includes farming wastes, landscaping and land clearing wastes, construction/demolition waste, shredded automotive tires, and/or certain wastes having similar characteristics and approved in writing by the Department.

II. PLANS AND DOCUMENTATION

- A. Hydrogeologic Report: N/A
- B. Engineering Plans
- i. Prepared by: The Reaves Firm, Inc.
- ii. Reviewed by: John Boatright, P.E., Environmental Protection Specialist
Jim Holt, Field Office Manager
Division of Solid Waste Management
Memphis Environmental Field Office
- Bassam Faleh, Environmental Protection Specialist
Nickolaus Lytle, Permits Manager
Division of Solid Waste Management
Central Office

- iii. Final review: Lisa A. Hughey, CHMM, Division Director
Craig Almanza, Deputy Director Central Office Operations
Brian Wolf, P.E., Solid Waste Program Manager
Rob Burnette, P.E., Chief Engineer
Division of Solid Waste Management
Central Office
- iv. Plans Submitted: August 30, 2022 (Original)
Permit Review: May 14, 2024

III. DRAFT PERMIT DECISION

A. Draft Permit Variances/Waivers:

Rule 0400-11-01-.01(5) provides that, after public notice and an opportunity for public comment, any standard or requirement in the solid waste regulations may be waived by the Division if the operator can demonstrate to the Division that the standard is inapplicable, inappropriate, or unnecessary to the applicant's facility or that it is equaled in effect by alternative standards or requirements.

None.

B. Draft Facility-Specific Permit Conditions:

Rule 0400-11-01-.02(5)(b) allows the Division to establish conditions in permits necessary to achieve compliance with the Solid Waste Disposal Act and regulations. The following are those facility-specific conditions found in the draft permit for this facility:

- i. Upon reaching the base grade of excavation for any phase, the permittee must notify the Division of Solid Waste Management (DSWM). Personnel from the Memphis Environmental Field Office, DSWM must be given at least 72 hours advance notice before any confirmatory sampling of the base grade is performed for purposes of demonstrating compliance with the geological buffer permeability standards.
- ii. Settled solids shall be removed from the sediment basin any time that sufficient sediment has accumulated in the basin and the storage capacity has been reduced to the elevation prescribed in the approved operations plan.
- iii. The stormwater erosion control structures shall be inspected at least twice a week and immediately following any rain event generating at least one inch in a 24-hour period. Run-on and run-off control systems must be managed expeditiously after storms to maintain design capacity of the system.
- iv. The Permittee must submit to the Division by October 1, 2026, and every three years during the active life of the landfill, a survey depicting the current contours of the landfill including the limits of all placed waste superimposed with the final permitted contours. This survey must include calculations on the current constructed capacity of the facility and the total remaining volume of the facility in cubic yards. This report will be prepared and certified by a professional engineer. This condition shall be superseded by any future changes to Chapter 0400-11-01 regarding survey requirements relevant to Class III disposal facilities.
- v. All waste must be covered at least once every 14 days with at least a six-inch layer of compacted soil, or an adequate standard of other material as approved by DSWM. A written record of all cover events must be kept on site and made available to the Division for review during facility inspection.

- vi. The permitted facility boundary shall include all adjacent parcels that are owned by the Permittee and are to be used as soil borrow areas from which soil will be excavated for operational and closure activities as described as “on-site” soil within the Closure Plan section of the Operations Manual. Any alteration, including removal of soil for purposes other than final closure, to the borrow areas depicted on the plans will require a revision to the closure and post-closure cost plan including the cost estimates.
- vii. The permitted facility must at all times retain sufficient air space to accommodate the maximum volume of shingles located on the adjacent parcel where the North Memphis Landfill Recovered Materials Processing Facility is located. The Permittee must submit an updated volume calculation of shingles on October 1 of each year to the Memphis Environmental Field Office DSWM.

C. Public Participation:

- i. Public Comment Period: Begins June 5, 2024
Ends July 22, 2024, 4:30 Central

Submit public comments to Ms. Brianna Rives in
DSWM’s Central Office:
500 James Robertson Parkway, 7th Floor,
Nashville, TN 37243
615-308-0104
Brianna.Rives@tn.gov

- ii. Public Hearing: A public hearing will occur:
Tuesday, July 9, 2024
Information Session - 5:30 p.m. to 6:00 p.m. Central
Formal Hearing – 6:00 p.m. Central
In-person – Assembly of the Church of the Living God
806 Carrolton Rd.
Memphis, TN 38127
Online:
tn.gov/environment/notices/north-memphis-landfill/hearing