



Richard E. Dunn, Director

Land Protection Branch

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03/01/2023

Chairman Neal Stanley
Telfair County Board of Commissioners
91 Telfair Avenue, Suite A
McRae-Helena, Georgia 31055

**SUBJECT: Site Suitability Notice for
Telfair County – CR 144 MSWL
Proposed Lateral Expansion
Permit Number 134-015D(MSWL), Submission ID: 498688**

Dear Chairman Stanley:

The Solid Waste Management Program of the Environmental Protection Division (EPD) has completed its review of the following documents:

- *Site Acceptability Report, Proposed Lateral Expansion, Telfair County Subtitle D Solid Waste Landfill*, revised September 30, 2022 and prepared by Advanced Environmental Management (AEM)
- August 16, 2022, Response to EPD Comments submitted by AEM

Based on the data submitted in addition to your application, EPD has determined that the applicable siting standards can be met in accordance with Chapter 391-3-4-.05(1), provided the attached "Site Limitations" are met. This determination is based on information provided to date for EPD review and is subject to revision prior to permit issuance should errors be found in the submitted information or new information be provided relevant to this determination. This letter denotes only the demonstration of the ability to comply with siting standards for the proposed site and does not constitute approval to begin construction or operation of the disposal site. This letter does not constitute a permit for the proposed solid waste landfill.

Before a permit may be issued for the proposed solid waste disposal site, a Design and Operational Plan (D&O Plan), prepared in accordance with Chapter 391-3-4-.07(1), must be submitted for consideration by the EPD.

Additionally, the appropriate governing authority must hold a public hearing regarding the proposed landfill no less than two weeks prior to the issuance of any permit. At least 30 days prior to the public hearing, notices of the public hearing must be posted at the proposed site and advertised in the legal organ of the county or counties in which the proposed solid waste disposal facility will be located. A transcript of the public hearing proceedings and a reaffirmation of

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zoning consistency must be submitted to EPD prior to a final decision regarding the issuance of a permit for the proposed solid waste disposal facility.

After our review and evaluation of the D&O Plan, and the other required submittals, a Solid Waste Handling Permit will be either issued or denied. This Site Suitability Notice shall terminate upon a final decision to issue or deny the requested permit. Failure to submit to EPD an approvable Design and Operational Plan within one year from the date of this Notice may result in permit denial or termination of the permit application.

Sincerely,

A handwritten signature in dark ink, appearing to read "R. Dunn", with a stylized flourish at the end.

Richard E. Dunn, Director
Environmental Protection Division

Attachment

cc: Andy Selph, Telfair County Landfill Director
Jim Guentert, Keith Stevens, Beverly Tipton, William Cook, GA EPD
Lisa Myler, EPD Southwest District Office
Darryl Webb, AEM

Site Limitations
Telfair County CR 144 MSW Landfill
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1. The area considered for acceptability includes only that within the line labeled as “Proposed Property Boundary (Permit Boundary)” on Advanced Environmental Management’s (AEM) Figure 2.1 dated August 2022.
2. Waste shall not be placed outside of the area identified as “Limits of Existing Waste” and Limits of Proposed Waste” as shown on AEM’s Figure 2.1 dated August 2022.
3. A liner and leachate collection system shall be constructed under all areas proposed for solid waste disposal. Since a seasonal high-water table has not been determined the liner shall be constructed at least 10 feet above the groundwater elevation contours shown on AEM’s Figure 2.1, dated August 2022. Any perched groundwater zones encountered during excavation of the site shall be drained entirely.

Alternatively, an underdrain system shall be constructed beneath the waste to prevent the water table from rising to within five feet of the bottom of the liner system. The project engineer shall make periodic quality control inspections while the underdrain system is under construction and shall certify that it has been properly designed and installed to prevent groundwater from coming within five feet of the bottom of the liner system. The outfalls of the underdrain system shall be incorporated into the facility's groundwater monitoring plan.

4. A minimum 200-foot undisturbed buffer shall be maintained between the waste disposal boundary and the permitted property boundaries.
5. A minimum 500-foot buffer shall be maintained between the waste disposal boundary and any adjacent residences and/or water supply wells in existence at the time these site limitations are finalized.
6. A minimum 25-foot undisturbed buffer shall be maintained between the waste disposal area and any on-site springs, intermittent or perennial streams or surface water bodies except as permitted by the United States Army Corps of Engineers (USACE) and allowed by EPD.
7. A minimum 50-foot undisturbed buffer shall be maintained between the waste disposal boundaries and all wetlands, except as permitted by the USACE and allowed by EPD. A statement certifying that wetlands will not be impacted because of construction activities at the site shall be submitted. This statement shall be signed and stamped by the professional engineer responsible for the Design and Operational (D&O) Plan for the subject site. Wetland areas shall be delineated on the D&O Plan.

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8. All erosion control measures and/or diversion ditches shall conform to the *Erosion and Sediment Control Act* and be protective of Horse Creek and its perennial and intermittent tributaries.
9. The facility shall not restrict the flow of the 100-year flood, reduce the temporary water storage capacity of the floodplain, or result in a washout of solid waste or material to pose a hazard to human health and the environment.
10. All soil borings, monitoring wells and piezometers that have been completed/installed at this site, shall be plugged, and abandoned in accordance with the Water Well Standards Act. Additionally, all soil borings, monitoring wells and piezometers located within the proposed waste footprint shall be abandoned by overdrilling and filling with a non-shrinking cement/bentonite grout mixture via tremie pipe from the bottom to within 10 feet of the base of the landfill. The remaining borehole shall be filled with hydrated bentonite. The abandonment of all borings/piezometers/monitoring wells shall be supervised by a professional geologist (PG) or professional engineer (PE) registered to practice in the State of Georgia. A report documenting the abandonment shall be submitted to EPD prior to cell construction. This documentation shall be signed and stamped by the responsible professional geologist or engineer registered to practice in the State of Georgia.
11. Groundwater, surface water, and methane monitoring systems shall be installed at the site. Sampling parameters, sampling schedules, monitoring well construction, and spacing shall adhere to the guidelines established in the EPD's *Rules of Solid Waste Management, Chapter 391-3-4*. The system design and monitoring requirements shall be detailed in a groundwater and surface water monitoring plan and methane monitoring plan that are prepared in accordance with the Georgia Manual for Groundwater Monitoring, EPD's September 2015 document, "Methane Monitoring at Solid Waste Disposal Facilities" and current USEPA Region IV guidance and are approvable by EPD.