



Jeffrey W. Cown, Director

Land Protection Branch
4244 International Parkway
Suite 104
Atlanta, Georgia 30354
404-362-2537

04/09/2024

Wright McLeod
Dixon Airline and Disposal, Inc.
1710 Dixon Airline Road
Augusta, Georgia 30906

**SUBJECT: Site Suitability Notice For
Richmond County – Proposed Dixon Airline Road C&D Landfill
Submission ID: 572043**

Dear Mr. McLeod:

The Solid Waste Management Program of the Environmental Protection Division (EPD) has completed its review of the Revision #4, September 2023, *Site Acceptability Report, for a Construction and Demolition Waste Landfill, Materials Recovery Facility and Class I Composting Facility* prepared by Russell Engineering, Inc.

Based on the data submitted in addition to your application, EPD has determined that the applicable siting standards can be met in accordance with the Georgia Rules for Solid Waste Management, 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 the Georgia Rules for Solid Waste Management, 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 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.

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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,



Jeffrey W. Cown, Director
Georgia Environmental Protection Division

Attachment

cc: Keith Stevens, Beverly Tipton, William Cook, GA EPD
GA EPD East Central District
Brant Lane, PE; HHNT, Inc.
Mayor Garnett L. Johnson, City of Augusta

Site Limitations
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1. The area considered for acceptability includes only that within the line identified as “Existing Property Line and Proposed Landfill Permit Boundary” on Russell Engineering Inc’s (RE), *Boundary and Topographic Survey*, Sheet 2-4, revised 12/18/22.
2. Waste shall not be placed outside of the area defined by the line identified as “Proposed Waste Limit” on RE’s, *Boundary and Topographic Survey*, Sheet 2-4, revised 12/18/22.
3. A minimum 200-foot undisturbed buffer shall be maintained between the waste disposal boundary and the facility permit boundary.
4. A minimum 500-foot buffer shall be maintained between the waste disposal boundary and any adjacent residences and/or water supply wells.
5. Existing inert waste shall be removed from the undisturbed buffers shown on RE’s *Boundary and Topographic Survey*, Sheet 2-4, revised 12/18/22. The removal of this inert waste shall be in accordance with an Undisturbed Buffer Reclamation Plan specified within the Design and Operational Plan of the facility. In no case shall completion of the Undisturbed Buffer Reclamation Plan extend twelve (12) months beyond commencement of landfilling operations.
6. A minimum 25-foot undisturbed buffer shall be maintained between the waste disposal boundary 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 boundary 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 Plan (D&O) for the subject site. Wetland areas shall be delineated on the D&O Plan.
8. The bottom of the waste shall be kept a minimum of 15 feet above the groundwater elevation contours shown on RE’s *Boring and Geologic Cross-Section Locations, Potentiometric Surface Map Historical Highs*, Sheet 3-1C, revised 12/18/22 and no lower than an elevation of 200 feet.

Any perched groundwater zones encountered during excavation of the site shall be drained entirely, if possible, otherwise an underdrain system shall be required to maintain vertical separation from the waste.
9. All erosion control measures and/or diversion ditches must conform to the *Erosion and Sediment Control Act*. All drainage structures must be designed and constructed in accordance with the *Manual for Erosion and Sediment Control in Georgia*. All drainage structures must be channeled to permanent sediment control impoundment.

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10. 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.
11. All soil borings, monitoring wells and piezometers that have been completed/installed at this site, shall be plugged, and abandoned, except for those locations that will be used as monitoring wells for the proposed landfill. Abandonments shall be performed 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
12. This site is in a seismic impact zone as defined in the Georgia Rules for Solid Waste Management (Chapter 391- 3-4-.05 (1) (g)). The design engineer must certify that all containment structures are designed to resist the maximum horizontal ground acceleration for the site. Therefore, the registered professional engineer preparing the design and operational plan must stamp and sign each engineering drawing with the accompanying notation:

I have reviewed the information presented in this drawing, and in my professional opinion, all containment structures are designed to resist a maximum horizontal ground acceleration of 0.20g in 250 years.
13. 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 *Georgia's Rules for 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 1991 *Georgia Manual for Groundwater Monitoring*, the September 2021 EPD document, *Monitoring of Surface Water and Underdrain Systems at Solid Waste Facilities*, the September 2015 EPD document, *Methane Monitoring at Solid Waste Disposal Facilities* and current USEPA Region IV guidance and are approvable by EPD.