



Permit No: 2610-COMPOST
Wilkes Road Yard Waste Facility
June 9, 2015
Doc ID 24445
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North Carolina Department of Environment and Natural Resources

Pat McCrory
Governor

Donald R. van der Vaart
Secretary

STATE OF NORTH CAROLINA
DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES
DIVISION OF WASTE MANAGEMENT
SOLID WASTE SECTION

LARGE TYPE 1 SOLID WASTE COMPOST FACILITY
Permit No. 2610-COMPOST

Cumberland County

is hereby issued a

PERMIT TO OPERATE
WILKES ROAD YARD WASTE FACILITY

Located at 779 Wilkes Rd, in Fayetteville, Cumberland County, North Carolina, in accordance with Article 9, Chapter 130A, of the General Statutes of North Carolina and all rules promulgated thereunder and subject to the conditions set forth in this permit. The legal description of the site is identified on the deeds recorded for this property listed in Attachment No. 1 of this permit.

Ellen B. Lorscheider
Section Chief
Solid Waste Section

ATTACHMENT 1

PART I: PERMITTING HISTORY

Permit Issuance	Date	Doc ID
Permit to Operate, T&P	July 24, 2006	21342
Permit to Operate, Compost Type 1	June 9, 2015	24445

1. From 1986 to 1992, a demolition landfill operated on this property, permitted as 26F. The demolition landfill was later called an LCID (land clearing and inert debris landfill).
2. In 1995, the yard waste treatment and processing (T&P) area began operating, east of the closed landfill.
3. In 2015, the permit was changed to a compost permit. The operation also included wood mulching. Storage of wood waste and mulch was approved to operate on top of the closed landfill.

PART II: LIST OF DOCUMENTS FOR APPROVED PLAN

Note – Documents referenced in this permit (e.g., Doc ID 24447) can be viewed online at the NC Solid Waste Section website in the Documents database.

1. *Application for Treatment and Processing Facility.* Prepared by CDM, Raleigh, NC. January 2006, revised through July 2006. Doc ID 14632.
2. *Application for Large Type 1 Compost Facility.* Prepared by CDM Smith, Raleigh, NC. May 2011, revised through March 2015. Doc ID 24447.

PART III: PROPERTIES APPROVED FOR THE SOLID WASTE FACILITY

Cumberland County, N.C. Register of Deeds			
Book	Page	Landowner	Size
3056	667	Cumberland County	51 acres
Plat book 60	117	Cumberland County	51 acres

Cumberland County Parcel ID 0436-84-7301. The actual composting and wood waste storage area is approximately 26.6 acres.

PART IV: GENERAL PERMIT CONDITIONS

1. This permit is issued by the North Carolina Department of Environment and Natural Resources, Division of Waste Management, Solid Waste Section (Section). In accordance with North Carolina Solid Waste Management Rule 15A NCAC 13B .0201(d), a solid waste management facility permit shall have two parts: a Permit to

Construct and a Permit to Operate. The Permit to Operate shall expire June 9, 2020. The Permit to Operate must be implemented in accordance with Attachment 3 of this permit.

2. The persons to whom this permit is issued (“permittee”) are the owners and operators of the solid waste management facility.
3. By receiving waste at this facility the permittee shall be considered to have accepted the terms and conditions of this permit.
4. Operation of this solid waste management facility must be in accordance with the Solid Waste Management Rules, 15A NCAC 13B, Article 9 of Chapter 130A of the North Carolina General Statutes (NCGS 130A-290, et seq.), the conditions contained in this permit, and the approved plan. Should the approved plan and the rules conflict, the Solid Waste Management Rules shall take precedence unless specifically addressed by permit condition. Failure to comply may result in compliance action or permit revocation.
5. This permit is issued based on the documents submitted in support of the application for permitting the facility identified in Attachment 1, “List of Documents for Approved Plan,” which constitutes the approved plan for the facility. Where discrepancies exist, the most recent submittals and the Conditions of Permit shall govern.
6. This permit may be transferred only with the approval of the Section, through the issuance of a new or substantially amended permit in accordance with applicable statutes and rules. In accordance with NCGS 130A-295.2(g), the permittee must notify the Section thirty (30) days prior to any significant change in the identity or business structure of either the owner or the operator, including but not limited to, a proposed transfer of ownership of the facility or a change in the parent company of the owner or operator of the facility.
7. The permittee is responsible for obtaining all permits and approvals necessary for the development of this project including approval from appropriate agencies for sedimentation and erosion control, and a General or Individual National Pollutant Discharge Elimination System (NPDES) Stormwater Discharge Permit, if applicable. Issuance of this permit does not remove the permittee’s responsibilities for compliance with any other local, state, or federal rule or statute.

- End of Section -

ATTACHMENT 2
CONDITIONS OF PERMIT TO CONSTRUCT

- NOT APPLICABLE -

- End of Section -

ATTACHMENT 3 CONDITIONS OF OPERATING PERMIT

PART I: COMPOST AND WOOD WASTE MANAGEMENT OPERATION

1. The Permit to Operate shall expire June 9, 2020. Pursuant to 15A NCAC 13B .0201(g), no later than February 9, 2019, the permittee must submit a request to the Section for permit review and must update pertinent facility plans.
2. The facility must be adequately secured by means of gates, chains, berms, fences, or other measures approved by the Section to prevent unauthorized entry.
3. A sign must be maintained at the site entrance providing site information including the permit number, prohibited materials, and emergency contact information.
4. A responsible individual trained in facility operations must be onsite during all operating hours of the facility, in accordance with NCGS 130A-309.25.
5. Interior roadways must be of all-weather construction and maintained in good condition. All sides of storage and compost areas for flammable materials must be clear and drivable, to provide vehicular access in the event of a fire.
6. Only materials specifically listed in the permit application may be managed at this facility. The facility is approved to accept land clearing debris, yard waste, and wooden pallets. A request must be submitted to receive additional feedstocks, and may require a permit modification.
7. The total capacity of the site is 31,400 cubic yards of materials received per year, for both composting and wood waste processing. A permit modification is required for a request to increase capacity.
8. An appropriate Division of Water Resources (DWR) or Division of Energy, Mineral and Land Resources (DEMLR) permit for managing any stormwater and/or wastewater at the facility must be maintained as required. Any leachate generated at the facility and any runoff from the facility must be managed in such a manner that ground or surface water quality will not be adversely affected. The facility must be maintained to prevent the accumulation of stormwater and leachate on composting areas, storage areas, and roads.
9. Improvements to the site operation, as discussed in the permit application, must be in place by July 1, 2015. These improvements include: preparing the LCID landfill cover for use as a storage area for wood material and mulch, reducing the size of mulch piles onsite to no larger than 30 feet high and 50 feet wide, moving wood waste/mulch and compost piles at least 25 feet from drainage ditches, and installation of boundary markers. A report of the preparation of the additional soil cover placed on the LCID must be submitted to the Section by July 10, 2015.

10. Appropriate boundary markers must be established and maintained on the north side and south sides of the compost area in order to maintain the operation within the approved boundaries. A 50 foot buffer is required to the property line, and a 25 foot buffer is required to drainage ditches along the northern and southern property boundaries, for both storage of wood material and for compost activities.
11. If the drainage ditch along the northern property boundary is maintained free flowing to prevent the area from returning to a pond, then the required setback from the ditch to the composting and wood waste storage area is 25 feet. However, if the area becomes a surface water pond, the required setback from the compost and wood mulch operation to the pond is 50 feet.
12. The compost operation and wood waste storage areas must be kept at least 25 feet from onsite drainage ditches.
13. Feedstocks must not be received that are in an anaerobic state.
14. Thermometers used for documenting composting temperatures must be calibrated annually. Documentation of calibration must be kept in the facility records.
15. Compost temperature monitoring must be conducted at a frequency adequate to meet the requirements of Rule .1406 (10). Temperature monitoring data to meet Rule requirements must be maintained in writing, and made available to the Section during business hours.
16. Windrow dimensions for active composting must be limited to maximum 30 feet wide and 15 feet high, and at least 8 feet spacing between rows, unless otherwise approved by the Section.
17. Stockpiling of all curing and finished compost, and unprocessed and processed wood material/mulch, must be limited to a maximum of 30 feet high and 50 feet wide.
18. All compost produced at the facility must meet the requirements of Rule .1407 of the Solid Waste Compost Rules and the permit application.
19. Storage of wood and mulch material is approved for operation on top of the closed landfill. Composting is not approved on top of the closed landfill. A minimum of one foot of soil cover on top of the landfill cap (for a total of 2 feet of soil cover over the waste) must be maintained for storage areas. The road onto the landfill must be reinforced to prevent damage to the landfill cap. A 50 foot buffer is required between storage of wood material/mulch and the property line.
20. Compost or mulch produced from yard trash must meet the pathogen reduction requirements of Rule .1406 (10). Ground land clearing debris and ground material used as boiler fuel do not have to meet pathogen reduction requirements.

21. In the event of a mechanical failure, the facility must immediately use its best effort to utilize substitute equipment for completion of the composting operation.
22. Odor management procedures must be followed to minimize odors at the facility boundary. Upon receipt of an odor complaint, the facility operator must investigate and take action as necessary to minimize the cause of the complaint. A copy of all written complaints regarding this facility must be maintained for the duration of the permit including the operator's actions taken to resolve the complaints.
23. Windrow turning must not occur without consulting weather forecasts for favorable conditions including wind direction and precipitation.
24. The facility must be operated in a manner that reduces the potential for vector attraction.
25. The operation must be operated and maintained with sufficient dust control measures to minimize airborne emissions and to prevent dust from becoming a nuisance or safety hazard. Facility operation must meet Division of Air Quality Rules 15 NCAC 2D. Fugitive dust emissions from the facility that contribute to substantive complaints may subject the facility to the Division of Air Quality requirements as listed in 15A NCAC 2D .0540.
26. Trash and unacceptable wastes received at the site must be stored in containers and promptly removed from the site for proper disposal.
27. An annual report of facility activities for the fiscal year July 1 to June 30 must be submitted to the Section by August 1 of each year on forms provided by the Section. This report must include the amount of materials composted in tons.
28. Copies of this permit, the approved plans and drawings, and all records required to be maintained by the permittee must be maintained at the facility, or another site approved by the Section, and made available to the Section upon request during normal business hours.
29. Facility construction, operations or practices must not cause or result in a discharge of pollution, dredged material, and/or fill material into waters of the state in violation of the requirements under Sections 401 and 404 of the Clean Water Act, as amended.
30. Open burning of solid waste is prohibited. Fires must be reported to the regional environmental senior specialist with 24 hours of the occurrence, followed by a written report of the details of the fire within 10 days of the occurrence.
31. Groundwater quality at this facility is subject to the classification, monitoring, and remedial action provisions of 15A NCAC 2L. Groundwater monitoring may be required if there is an indication for the potential for groundwater contamination.

PART II: POST-CLOSURE CONDITIONS FOR THE CLOSED LCID LANDFILL

32. The LCID landfill on the western area of the property stopped receiving waste in 1992. Closure was certified in 2010, reference Doc ID 14561. Storage of wood and mulch material is approved for operation on top of the closed landfill (see condition above).
33. The integrity and effectiveness of the cap system must be maintained. Maintenance and repairs to the cover must be conducted as necessary to correct the effects of settlement, subsidence, erosion, or other events, and to prevent surface water from impounding over waste, and run-on and run-off from eroding or otherwise damaging the cap system. Mowing and removal of trees on the final cover is required at least once per year.
34. Any post-closure use of the property, including but not limited to, residential, commercial, industrial, agricultural, or recreational use, is subject to review and approval by the Section and must not disturb the integrity of the cap system, or the function of the monitoring systems. The Section may approve any other disturbance if the owner or operator demonstrates that disturbance of the cap system, including any removal of waste, will not increase the potential threat to human health or the environment.

- *End of Permit Conditions* -