



North Carolina Department of Environment and Natural Resources
Division of Waste Management

Pat McCrory
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Director

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Secretary

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

LARGE TYPE 4 SOLID WASTE COMPOST FACILITY
Permit No. 1906-COMPOST

McGill Environmental Systems of North Carolina, Inc.
is hereby issued a

PERMIT TO OPERATE
MCGILL ENVIRONMENTAL SYSTEMS COMPOST FACILITY
AT MERRY OAKS

Located at 634 Christian Chapel Church Road, in New Hill, Chatham 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.

Michael Scott
Section Chief
Solid Waste Section

ATTACHMENT 1

PART I: PERMITTING HISTORY

Permit Issuance	Date	Doc ID
Permit to Construct	July 10, 2001	16750
Permit to Operate (PTO)	May 12, 2003	16756
PTO permit renewal	December 1, 2004	16754
PTO permit renewal	December 8, 2010	16747
Permit to Operate modification	April 12, 2013	18160
Permit to Operate modification	February 24, 2014	20623

PART II: LIST OF DOCUMENTS FOR APPROVED PLAN

1. *Application for Compost Facility Permit to Construct.* March 2001, revised through July 10, 2001.
2. *Application for Permit to Operate.* September 2002.
3. *Permit Renewal Application.* February 2004.
4. *Permit Renewal Application.* September 1, 2010. Doc ID 16748.
5. *Permit Application for Building Modifications, Addendum to Approved Application.* February 28, 2012, revised through February 2013. Doc ID 18162.
6. *Permit Application for Building Modifications, Addendum to Approved Application.* August 2014, revised February 2015. Doc ID 20625.

PART III: PROPERTIES APPROVED FOR THE SOLID WASTE FACILITY

Chatham County, N.C. Register of Deeds			
Book	Page	Grantee (sold to)	Grantor (sold from)
849	554	McGill Environmental Systems of North Carolina, Inc.	J. E. Hearn et al
849	558	McGill Environmental Systems of North Carolina, Inc.	Ruby Williams Lolwing
99	465	Survey Plat	
Total Site Acreage: 50.55acres			

Note - Chatham County Parcel No. 5596. PIN 9698-76-6854.

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 December 8, 2015. 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, regulation or statute.

- End of Section -

**ATTACHMENT 2
CONDITIONS OF PERMIT TO CONSTRUCT**

[NOT APPLICABLE]

- End of Section -

ATTACHMENT 3
CONDITIONS OF OPERATING PERMIT

1. The Permit to Operate shall expire December 8, 2015. Pursuant to 15A NCAC 13B .0201(g), no later than August 8, 2015, the permittee must submit a request to the Section for permit review and must update pertinent facility plans.
2. Only materials specifically listed in the permit application may be managed at this facility. A permit modification is required for a request to receive additional feedstocks.
3. The total capacity of the site is 151,200 tons of materials composted per year. This tonnage limit includes the summation of all feedstocks, amendments, and recycled material utilized in the compost process. A permit modification is required for a request to increase capacity.
4. 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. Leachate from the compost operation must not be released from the compost building.
5. All sedimentation and erosion control activities must be conducted in accordance with the Sedimentation Control Act NCGS 113A-50, et seq., and rules promulgated under 15A NCAC 4. All required sedimentation and erosion control measures must be installed and operable to mitigate excessive on-site erosion and to prevent silt from leaving the compost area.
6. 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.
7. Feedstocks must not be received that are in an anaerobic state.
8. 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.
9. The 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.

10. The facility must be operated in a manner that reduces the potential for vector attraction.
11. The compost operation and the compost pad 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.
12. 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.
13. All compost produced at the facility must meet the requirements of Rule .1407 of the Solid Waste Compost Rules and the permit application.
14. Windrow dimensions for active composting must be limited to a maximum of 7-feet high and 15-feet wide unless otherwise approved by the Section. Stockpiling of all feedstocks and finished product must be limited to a maximum of 30-feet high and 50-feet wide.
15. Testing and reporting must be conducted in accordance with the requirements of Rule .1408 and the permit application. Compost process data must be maintained in writing as required to document temperatures, moisture levels, and aeration intervals. Bulk density and C:N calculations must be reviewed weekly.
16. 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.
17. Copies of this permit, the approved plans, and all records required to be maintained by the permittee must be maintained at the facility and made available to the Section upon request during normal business hours.
18. In accordance with the Chatham County Board of Commissioners' approval for the Conditional Use Permit (reference Doc ID 16748, pages 25-26):

- a. Lights must be shielded on top and sides to prevent spillage onto adjacent properties and into the night sky.
- b. Noise levels at the property line must not exceed acceptable levels as required in the Chatham County Noise Ordinance.
- c. A minimum 100-foot-wide undisturbed vegetative buffer shall be maintained along the state right-of-way except for driveway entrances.

- *End of Permit Conditions* -