



North Carolina Department of Environment and Natural Resources

Pat McCrory  
Governor

Linda M. Culpepper  
Director

Donald 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. 4103-COMPOST-2003**

**CITY OF GREENSBORO**  
(Owner and Operator)

is hereby issued a

**PERMIT TO OPERATE**

**CITY OF GREENSBORO COMPOST FACILITY**  
Plats 1, 2, and 3

located at 2503 White Street, Greensboro, Guilford 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.

---

Edward F. Mussler, III, P.E.  
Permitting Branch Supervisor  
Solid Waste Section

**ATTACHMENT 1**

**Part I: Permitting History**

Permit Type	Date Issued	Document ID
Permit to Operate (PTO) – Plats 1 and 2	December 18, 2003	
PTO Modification - Added Plat 3	May 5, 2005	
PTO Amendment – Plats 1, 2, and 3	March 19, 2011	16319
PTO Amendment – Plats 1, 2, and 3	February 3, 2015	22299

**Part II: List of Documents for the Approved Plan**

1. Permit Application with Operation and Maintenance Manual. November 24, 2003.
2. *Application to Operate, Large Type 1 Compost Facility.* Prepared by City of Greensboro, Environmental Services Department. March 15, 2005.
3. *Application to Operate, Large Type 1 Compost Facility.* Prepared by City of Greensboro, Environmental Services Department. January 2010 as revised through March 15, 2012. DIN 16318.
4. *Application to Operate a Large Type 1 Compost Facility. City of Greensboro.* Prepared by City of Greensboro, Field Operations Department. October 31, 2014. DIN 22297

**Part III: Properties Approved for the Solid Waste Facility**

The solid waste compost facility approved under this permit is located on portions of the properties described in the following deeds. Other solid waste facilities are also located on these properties. There are three compost plats located on the properties as referenced below.

<b>Guilford County, NC Register of Deeds</b>						
Compost Plat	Book	Page	Grantor	Grantee	Property Acres	Plat Acres
1	2097	344	C.A. Keeley & Wife, Helene R. Keeley	City of Greensboro	86	12.54
2	2097	344	C.A. Keeley & Wife, Helene R. Keeley	City of Greensboro		6.74
3	1575	442	Ruth Walker, et al.	City of Greensboro	86	9.00
				Total Acres	172	28.28

#### **Part IV: General Permit Conditions**

1. This permit is issued by the North Carolina Department of Environment and Natural Resource, Division of Waste Management, Solid Waste Section (Section). In accordance with North Carolina Solid Waste Management Rule 15A NCAC 13B .201(d), a solid waste facility permit shall have two parts: a permit to construct and a permit to operate. The permit to construct must be implemented in accordance with Attachment 2 of this permit. 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 shall be in accordance with the North Carolina Solid Waste Management Rules, 15A NCAC 13B; Article 9 of the 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
5. This permit is issued based on the documents submitted in support of the application for permitting the facility including those identified in Attachment 1, “List of Documents for Approved Plan,” and which constitute 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 shall 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 a General or Individual National Pollutant Discharge Elimination System Stormwater Discharge Permit. 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 Permit to Operate

#### Part I: Operating Conditions

1. The permit to operate shall expire on **May 5, 2020**. Pursuant to 15A NCAC 13B .0201(g), no later than **November 5, 2019**, the permittee must submit a request to the Section for permit review prepared in accordance with 15A NCAC 13B .1405.
2. Operation and maintenance of this facility shall be in accordance with the Solid Waste Compost Rules (15A NCAC 13B, Section .1400), the approved application including the Operation and Maintenance Manual submitted with the application, and conditions of this permit. Failure to comply may result in compliance actions or permit revocation.
3. The facility receives approximately 30,000 tons of feedstock per year for processing. Based on the process flow sheet and operation described in the approved application, the operating capacity is 51,450 tons per year. Sufficient area is available to increase the operating capacity if needed.
4. An appropriate Division of Water Resources or Division of Energy, Mineral, and Land Resources permit for managing any stormwater and/or wastewater at the facility shall be maintained as required. Any leachate generated at the facility, or any runoff from the facility, shall be managed in a manner that will not adversely affect groundwater or surface water quality. The facility shall be maintained to prevent the accumulation of stormwater or leachate on travel areas or active composting sites.
5. Only materials specifically listed in the permit application may be managed at this compost facility. Before additional materials, including potential feedstocks listed in the permit application, may be added, there must be adequate testing and prior written approval by the Section.
6. A responsible individual trained in facility operations must be on site during all operating hours of the facility, in accordance with NCGS 130A-309.25.
7. All compost produced at the facility shall meet the requirements of Rule .1407 of the Solid Waste Compost Rules and the approved permit application.
8. Testing and reporting shall be conducted in accordance with the requirements of Rule .1408 and the approved permit application. Compost process data must be maintained in writing as required to document temperatures, moisture levels, and aeration intervals. Thermometers used for documenting composting temperatures must be calibrated annually. Documentation of calibration must be kept in the facility records.
9. The compost operation must include 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 15A NCAC 2D. Fugitive dust emissions for 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.

10. Open burning of solid waste is prohibited. Fires must be reported to the regional environmental senior specialist within 24 hours of the occurrence, followed by a written report of the details of the fire within 10 days of the occurrence.
11. Windrow dimensions for active composting shall be limited to a maximum height of 12 feet and maximum width of 25 feet unless otherwise approved by the Division.
12. Stockpiling of finished product shall be limited to dimensions of 35 feet in height by 50 feet in width.
13. In the event of a mechanical failure, the facility shall immediately use its best effort to utilize substitute equipment for completion of the composting operation.
14. Wastes shall not be received that are in an anaerobic state.
15. The odor management procedures shall be followed to minimize odors at the facility boundary. Upon receipt of an odor complaint, the facility operator shall investigate and take actions as necessary to minimize the cause of the complaint. A copy of all written complaints regarding this facility shall be maintained for the duration of the permit including the operator's actions taken to resolve the complaints.
16. The facility shall be operated in a manner that reduces the potential for vector attraction.
17. Groundwater quality at this facility is subject to the classification, monitoring, and remedial action provisions of 15A NCAC 2L. Monitoring wells may be required if there is indication of the potential for groundwater contamination.
18. An annual report of facility activities for the fiscal year July 1 to June 30 shall be submitted to the Division by August 1 of each year on forms provided by the Division. This report shall include the amount of materials received and composted in tons.
19. Copies of this permit, the approved plans, 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.

***- End of Permit Conditions -***