

## North Carolina Department of Environmental Quality

Pat McCrory  
Governor

Donald R. van der Vaart  
Secretary

STATE OF NORTH CAROLINA  
DEPARTMENT OF ENVIRONMENTAL QUALITY  
DIVISION OF WASTE MANAGEMENT - SOLID WASTE SECTION

### **LARGE TYPE 1 SOLID WASTE COMPOST FACILITY** **Permit No. 3423-COMPOST**

*City of Winston-Salem*

is hereby issued a

### **PERMIT TO OPERATE** ***FORUM 52 YARD WASTE FACILITY***

located at 180 Northstar Drive near the town of Rural Hall in Forsyth 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  
Division of Waste Management

## ATTACHMENT 1

### PART I: PERMITTING HISTORY

Permit Issuance	Date	Doc ID
Permit to Operate, Large Type-1 Compost - New	July 26, 2005	n/a
Permit to Operate, Large Type-1 Compost	October 6, 2010	n/a
Permit to Operate, Large Type-1 Compost	October 6, 2015	25050

- The solid waste facility is located on two adjoining tracts of land in Forsyth County near Rural Hall and is owned by the City of Winston-Salem. The composting and wood waste processing operation was initially permitted in 2005 as a Large Type 1 Solid Waste Composting facility. Construction of the facility was initiated in 2007 and operations began in early 2008. Operations were handled by a private contractor contracted by the City of Winston-Salem.
- In September 2015, the City of Winston-Salem changed operators and contracted with Wallace Farms Inc. to operate the facility on behalf of the City.

### PART II: LIST OF DOCUMENTS FOR APPROVED PLAN

- Forum 52 Yard Waste Facility Permit Application*. Prepared by: HDR Engineering, Inc. Charlotte NC. June 2015. Doc ID 25049.

*Note: Documents referenced in this permit (e.g., Doc ID xxxxx) can be viewed online at the NC Solid Waste Section website in the [SWS Documents Portal](#).*

### PART III: PROPERTIES APPROVED FOR THE SOLID WASTE FACILITY

Forsyth County, N.C. Register of Deeds				
<i>Book</i>	<i>Page(s)</i>	<i>Parcel ID</i>	<i>Grantee</i>	<i>Size</i>
2442	3262-64	6819-96-6225	City of Winston-Salem	12.98 acres
2459	1842-45	6819-96-7782	City of Winston-Salem	3.95 acres

NOTE: The active composting operations area consists of approximately 3 acres within Parcel ID 6819-96-6225. The wood waste processing operation consists of 2.5 acres w/in the two parcels.

#### **PART IV: GENERAL PERMIT CONDITIONS**

1. This permit is issued by the North Carolina Department of Environmental Quality, 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 Construct shall be implemented in accordance with Attachment 2 of this permit. The Permit to Operate shall expire **October 6, 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. Construction and 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 & WOOD WASTE MANAGEMENT OPERATION**

1. **The Permit to Operate shall expire October 6, 2020.** Pursuant to 15A NCAC 13B .0201(g), no later than June 7, 2020, the permittee must submit a request to the Section for permit review and must update pertinent facility plans.
2. This permit approves the continued operation of the Type 1 composting operation and wood processing operation. The operation must be conducted in accordance with the approved plans (Doc ID 25049).
3. The facility must be adequately secured by means of gates, chains, berms, fences, or other measures approved by the Section to prevent unauthorized entry.
4. A sign must be maintained at the site entrance providing site information including the permit number, prohibited materials, and emergency contact information.
5. Only materials specifically listed in the permit application may be managed at this facility. These include yard waste, unpainted and untreated wood waste (including wood pallets), leaves, and grass clippings. A request must be submitted to receive additional feedstock and may require a permit modification.
6. The total capacity of the site is 45,000 tons of materials received per year combined for both composting and wood waste processing. A permit modification is required for a request to increase capacity.
7. Feedstock must not be received that are in an anaerobic state.
8. Trash and unacceptable wastes received at the site must be separated from the waste stream and removed from the site for proper disposal, as outlined in the approved Operations Plan.
9. 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.
10. The facility must be operated in a manner that reduces the potential for vector attraction.
11. 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.

12. 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 if 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.
13. The compost operation and wood waste storage areas must be kept at least 25 feet from onsite drainage ditches, swales and berms to allow for firefighting equipment access.
14. Windrow dimensions for active leaf composting must be limited to a maximum of 15 feet high and 30 feet wide, with adequate spacing between rows for vehicle access.
15. Windrow turning must not occur without consulting weather forecasts for favorable conditions including wind direction and precipitation.
16. 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.
17. 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. If a temperature test taken to meet the Rule requirements is below 131°F, the time and temperature testing must restart from the beginning.
18. Thermometers used for documenting composting temperatures must be calibrated annually. Documentation of calibration must be kept in the facility records.
19. Compost process data must be maintained as required to document temperatures.
20. Compost or mulch produced from leaves and grass clippings must meet the pathogen reduction requirements of Rule .1406(10).
21. All compost produced at the facility must meet the Type 1 facility requirements outlined in Rule .1407 of the Solid Waste Compost Rules and the permit application.
22. Stockpiling of all curing and finished compost, pre-processed wood waste, and ground or mulched wood debris must be limited to a maximum of 30 feet high and 50 feet wide.
23. The compost and wood processing operations and the compost and storage pads 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.

24. The odor management procedures must be followed to minimize odors at the facility boundary (as described in the approved Operations Plan). 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.
25. Open burning of solid waste is prohibited. Fires must be reported to the regional environmental senior specialist as soon as possible following the time of occurrence.
26. 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.
27. Record keeping and reporting must be conducted in accordance with the requirements of Rule .1408(b) through (d), and the permit application.
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. 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.

- *End of Permit Conditions* -