



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

Beverly Eaves Perdue
Governor

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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

**LAND CLEARING AND INERT DEBRIS (LCID) LANDFILL
SMALL TYPE 1 SOLID WASTE COMPOST AND REPROCESSING FACILITY**

PERMIT NO. 92-V

Carolina Tree Debris, Inc. (operator)
and
Walter McCoy Cooke and Jane Cooke Blake (land owners)
are hereby issued a

PERMIT TO OPERATE
Carolina Tree Debris LCID LANDFILL

Located at 1417 Old Watkins Road (SR 2223) off Forestville Road, Wake Forest, Wake 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	Date
Date of Original Issue	August 19, 1999
Permit Modification (PTO #2)	December 8, 2011

1. The original permit (Cooke LCID Landfill) was issued under Wake County Solid Waste Management and registered in the Wake County Register of Deeds in Book 8394, Pages 1917-1921.

PART II: LIST OF DOCUMENTS FOR THE APPROVED PLAN

1. *Permit Application, Carolina Tree Debris Landfill, Raleigh, North Carolina.* Prepared by: Richardson Smith Gardner & Associates, Raleigh, NC. Prepared for: Carolina Tree Debris, Inc., Raleigh, NC. March 2011. Doc ID No. 14159

PART III: PROPERTIES APPROVED FOR THE SOLID WASTE FACILITY

Property	Book	Page	Acreage	Grantor	Grantee
Land Deed	8280	986-987	3.91	Jane Cooke Blake and husband, Phillip W. Blake	Walter McCoy Cooke and wife, Peggy Cooke
Land Deed	3903	933-934	2.00	Clara Bell Cooke	Jane Cooke Blake
Land Deed	1530	200	19.83	Chester C. Poole and wife, A. Lorene Poole	Walter A. Cooke and wife, Clara Bell Cooke
Land Deed	1530	91	1.01	Chester C. Poole and wife, Annie L. Poole	Walter M. Cooke and wife, Peggy L. Cooke
Land Deed	5557	507-508	0.94	Alicia C. Butler and Marvin T. Butler	Alicia C. Butler and Marvin T. Butler
Total Site Acreage:			27.69		

Note: Deed book reference is from Wake County, NC Register of Deeds office. The actual disposal area is 16.5 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(e), a land clearing and inert debris solid waste management facility permit may be combined in two parts: a Permit to Construct and a Permit to Operate. The Permit to Construct is not applicable in this issued permit. The Permit to Construct conditions are contained in Attachment 2 of this permit. The Permit to Operate shall expire December 2, 2016. The Permit to Operate conditions are contained in 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. Intentionally left blank.
4. When this property is sold, leased, conveyed, or transferred in any manner, the deed or other instrument of transfer must contain in the deed description section, in no smaller type than that used in the body of the deed or instrument, a statement that the property has been used as a land clearing and inert debris landfill and a reference by book and page to the recordation of the permit.
5. By beginning construction or receiving waste at this facility the permittee shall be considered to have accepted the terms and conditions of this permit.
6. 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.
7. The 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.
8. 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.

9. 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 PERMIT TO OPERATE

PART I: FACILITY SPECIFIC CONDITIONS

1. This Permit to Operate expires December 8, 2016. Pursuant to 15A NCAC 13B .0201(g), no later than August 8, 2016, the owner or operator must submit a request to the Section for permit review and must submit updated facility plans meeting the requirements of Rule 0.565 and .0566.
2. This facility must conform to the operational requirements of the NC Solid Waste Management Rules, 15A NCAC 13B .0566, and to the operational plan required by 15A NCAC 13B .0565(4).
3. This Permit to Operate authorizes the continued operation of Area 1 at the LCID Landfill. Area 1 has a total of 16.5 acera, of which 6.5 acres remain for waste disposal in accordance with the approved plan referenced in Attachment 1, Part II, of this permit (List of Documetns For the Apporved Plan).
4. This facility is permitted to receive land clearing waste; yard trash; untreated and unpainted wood; uncontaminated soil; inert debris such as unpainted rock, brick, concrete, and concrete block; and asphalt in accordance with NCGS 130-294(m).
5. The facility has an average disposal rate of 10,000 cubic yards per year for the landfill. Area 1 covers an area of 16.5 acres. The proposed facility boundary remains the same as in the original permit.
6. This facility is permitted to receive waste generated within Wake County. Proposed changes to the service area must be submitted to the Section for review prior to any changes in accordance with Condition No. 10 of this Attachment
7. The permanent markers that accurately delineate the waste disposal boundary must be maintained.
8. Excavation, grading and fill material side slopes must not exceed a ratio of three horizontal feet to one vertical feet (3:1).
9. Open burning of land clearing waste is prohibited. If a fire occurs, the permittee must provide oral notification to the Section within 24 hours of the occurrence followed by a written report of the details of the fire within 10 working days of the occurrence. The report must include the cause, the location(s) on the premises, the dimensions and

volume of material involved, a description of emergency response activities with results, and a description of mitigation measures implemented to reduce or eliminate conditions leading to the fire. Other conditions may be required based on the severity or nature of the fire.

10. Revisions to the design or operation of the facility or changes to the facility service area must be submitted to the Section for review and approval prior to the implementation of any changes. Revisions or changes that require modification to the permit will be subject to the appropriate permitting fee.
11. Amendments or revisions to the NC General Statutes or to the NC Solid Waste Management Rules or any violation of ground water standards may necessitate modification of the approved design or operation plans, waste acceptance requirements or may require closure of the facility.

Cover Material Requirements

12. Solid waste must be covered with 1 foot of suitable soil cover at least once per month or when the active area reaches 1 acre in size, whichever occurs first, or more often when necessary to prevent the site from becoming a nuisance or to mitigate conditions associated with fire, windblown materials, vectors or excessive water infiltration.
13. The facility must maintain a supply of cover material adequate to cover the working face in case of an emergency or fire, at all times.
14. Vegetative ground cover sufficient to control erosion must be established within 30 (thirty) working days upon completion of any phase of LCID landfill development or as addressed in the approved Sedimentation and Erosion Control permit.
15. Within 120 calendar days after completion of the final disposal operations, the disposal area must be closed and covered with a minimum of 1 foot of suitable soil cover sloped to allow surface water runoff in a controlled manner. However, for ditches with depths greater than 6 inches and widths less than 3 feet located on the landfill, at least 2 feet of soil is required between the bottom elevation of the ditches and the waste mass.

Drainage Control and Water Protection Requirements

16. All required sedimentation and erosion control measures must be installed and maintained to mitigate excessive on-site erosion and to prevent silt from leaving the site of the landfill unit during the service life of the facility.
17. Ground water quality at this facility is subject to the classification and remedial action provisions of 15 NCAC 2L.

18. Solid waste must be placed a minimum of four feet above the seasonal high water table.
19. Solid waste must not be disposed in standing water. Surface water must be diverted away from the operational area and must not be impounded over or in waste.
20. Leachate must be properly managed on site using best management practices.

PART II: MISCELLANEOUS TREATMENT AND PROCESSING UNIT SPECIFIC CONDITIONS

Small, Type 1 Solid Waste Compost and Reprocessing Facility

21. Operation and maintenance of this facility shall be in accordance with the Solid Waste Compost Rules (15A NCAC 13B, Section .1400), the permit application and the Operations Manual, dated March 23, 2011, submitted with the permit application. Failure to comply may result in compliance actions or permit revocation.
22. This facility shall be operated in such a manner that erosion and runoff from the site shall be controlled. Any leachate generated at the facility shall be managed in such a manner that it will not be allowed to adversely impact ground or surface waters. Groundwater monitoring wells may be required if there is indication of the potential for groundwater contamination.
23. A storm water permit for the facility shall be maintained as long as the facility is in operation.
24. Only materials specifically listed in the permit application may be managed at this facility without adequate testing and prior approval of the Division of Waste Management.
25. Wastes with low carbon-nitrogen ratios, such as grass clippings, shall be incorporated into the windrows within seven days or prior to the waste starting to compost (heat), create odors or attract vectors.
26. Temperatures of compost windrows shall be monitored at a frequency adequate to assure that the temperature requirements of Rule .1406(10) are met. If wood chip windrows generate temperatures in excess of 115 degrees F they should be treated as compost.
27. The facility shall process and store less than 6,000 cubic yards of material per quarter in accordance with Rule .1402(f)(6).
28. Facility operation records shall be maintained in accordance with Rule .1408(b).

29. An annual report of facility activities for the fiscal year July 1 to June 30 shall be submitted to the Division of Waste Management, Solid Waste Section, by August 1 of each year, in accordance with Rule .1408(c) of the Solid Waste Compost Rules.
30. The facility shall be operated and maintained with sufficient dust control measures to minimize airborne emissions and to prevent dust from becoming a nuisance or safety hazard.
31. A properly completed application for permit renewal, consistent with .0201(e), shall be submitted at least 180 days prior to the permit expiration date in order to assure continued operation.
32. Changes in ownership, increase in facility capacity, or receiving additional feedstocks shall require a permit modification.

- End of Permit Conditions -