



North Carolina Department of Environmental Quality  
Division of Waste Management

Pat McCrory  
Governor

Donald R. van der Vaart  
Secretary

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

**SOLID WASTE MANAGEMENT FACILITY**  
**Permit No. 9502-LCID-2016**

WATAUGA COUNTY  
is hereby issued a

**PERMIT TO CONSTRUCT**  
NOT APPLICABLE

**PERMIT TO OPERATE**  
LAND CLEARING & INERT DEBRIS LANDFILL  
TREATMENT & PROCESSING UNIT  
LANDFILL GAS-TO-ENERGY SYSTEM

**PERMIT FOR CLOSURE**  
MSW LANDFILL

Located at 336 Landfill Road, in Watauga 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.

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



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## ATTACHMENT 1

### Permit to Operate Data Table

Permit	Status	Issuance	Expiration
9502-LCID-2016	Active	April 14, 2016	June 15, 2021

### PART I: 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 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. The Permit for the Watauga County Transfer Facility, dated May 29, 2015, was recorded by the Watauga County Register of Deeds on June 13, 2015 in Book 1807 on Pages 464 through 477 (Document ID No. 24483).
4. When this property is sold, leased, conveyed, or transferred in any manner, the deed or other instrument of transfer shall contain in the 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 sanitary landfill and a reference by book and page to the recordation of the permit.
5. By initiating 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 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. Failure to comply may result in compliance action or permit revocation.
7. 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.

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 a General or Individual NPDES 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.

Properties Approved for the Solid Waste Facility

<b>Watauga County, N.C. Register of Deeds</b>				
Book	Page	Acreage	Grantee	PIN
040	755	39.5±	Watauga County	2920482773000
252	739	21.1±	Watauga County	2920397780000
085	053	14.9±	Watauga County	2920392009000
040	755	40.6±	Watauga County	2920584187000
		116.1±	Total Facility Acreage	

Notes:

1. Deed book references are from Watauga County GIS website accessed May 2015.

**PART II: MUNICIPAL SOLID WASTE LANDFILL UNIT(S)**

Permitting History

1. On April 19, 1984 a Permit to Operate was issued for a sanitary landfill.
2. On January 11, 1991 amendment was made to the Permit for the vertical expansion of the sanitary landfill.
3. On May 14, 1997 the sanitary landfill closure was certified by Draper Aden Associates.
4. On July 19, 2010 a modification was made to the Permit for the operation of Landfill Gas to Energy Project.

No.	Permit Type	Date Issued	DIN
1.	Permit to Operate	April 19, 1984	
2.	Permit Amendment	January 11, 1991	
3.	Closure Certification	May 14, 1997	
4.	Permit Modification	July 19, 2010	11171

List of Documents for the Approved Plan

<b>DOCUMENT ID NO.</b>	<b>DOCUMENT DESCRIPTION</b>
10372	<i>Watauga County Landfill Gas to Energy Project.</i> Prepared by: Watauga County. Prepared for: Watauga County. April 13, 2010.
10903	<i>Certification Report: LFG Collection &amp; Control System Modifications.</i> Prepared by: Carlson Environmental Consultants. Prepared for: Watauga County. June 16, 2010.

**PART III: CONSTRUCTION AND DEMOLITION DEBRIS LANDFILL UNIT(S)**

*Not Applicable*

**PART IV: INDUSTRIAL LANDFILL UNIT(S)**

*Not Applicable*

**PART V: LAND CLEARING AND INERT DEBRIS LANDFILL UNIT(S)**

**Permitting History**

1. On June 15, 2011 a New Permit was issued for construction and operation of an LCID landfill unit.
2. One April 14, 2016 an amendment was made to the Permit for the five-year renewal of operations at the LCID landfill unit. Additionally, the Permit ID was changed was changed from 9502TP-TP to 9502-LCID-2016.

<b>No.</b>	<b>Permit Type</b>	<b>Date Issued</b>	<b>DIN</b>
1.	New Permit	April 19, 1984	
2.	<b>Permit Amendment</b>	<b>April 14, 2016</b>	<b>25842</b>

**List of Documents for the Approved Plan**

<b>DOCUMENT ID NO.</b>	<b>DOCUMENT DESCRIPTION</b>
11369	<i>Watauga County Solid Waste Program Operation Manual.</i> Prepared by: Watauga County. Prepared for: Watauga County. Revised August 2010.
12899	<i>Watauga County – Proposed LCID Landfill Facility.</i> Prepared by: Draper Aden Associates. Prepared for: Watauga County. February 8, 2011.
24068	<i>Operations Manual.</i> Prepared by: Watauga County. Prepared for: Watauga County. March 18, 2015.

**PART VI: TRANSFER STATION/TREATMENT & PROCESSING UNIT(S)**

*Not Applicable*

**PART VII: MISCELLANEOUS SOLID WASTE MANAGEMENT**

**Permitting History**

1. On December 18, 2001 a modification was made to the Permit for operation of a Treatment and Processing facility.
2. On April 20, 2006 an amendment was made to the Permit for the five-year renewal of operations at the Treatment and Processing facility
3. On October 20, 2008 a modification was made to the Permit for a change in service area.
4. On June 15, 2011 an amendment was made to the Permit for the five-year renewal of operations at the Treatment and Processing facility.
5. On June 27, 2012 a modification was made to the Permit to remove the operator training requirements.
6. One April 14, 2016 an amendment was made to the Permit for the five-year renewal of operations at the Treatment and Processing unit. Additionally, the Permit ID was changed was changed from 9502TP-TP to 9502-LCID-2016.

<b>No.</b>	<b>Permit Type</b>	<b>Date Issued</b>	<b>DIN</b>
1.	Permit to Operate	December 18, 2001	
2.	Permit Amendment	April 20, 2006	
3.	Permit Modification	October 20, 2008	5945
4.	Permit Amendment	June 15, 2011	13409
5.	Permit Modification	June 27, 2012	16825
<b>6.</b>	<b>Permit Amendment</b>	<b>April 14, 2016</b>	<b>25842</b>

**List of Documents for the Approved Plan**

<b>DOCUMENT ID NO.</b>	<b>DOCUMENT DESCRIPTION</b>
	<i>Treatment and Processing Facility Permit Amendment Application.</i> Prepared by: Draper Aden Associates. Prepared for: Watauga County. October 23, 2001.
	<i>Permit Renewal for Treatment and Processing Facility, Mulching Operations, Watauga County Landfill.</i> Prepared by: Draper Aden Associates. Prepared for: Watauga County. February 16, 2006.
11369	<i>Watauga County Solid Waste Program Operation Manual.</i> Prepared by: Watauga County. Prepared for: Watauga County. Revised August 2010.
24068	<i>Operations Manual.</i> Prepared by: Watauga County. Prepared for: Watauga County. March 18, 2015.

**ATTACHMENT 2**  
**CONDITIONS OF PERMIT TO CONSTRUCT**

**PART I: GENERAL FACILITY**

*Not Applicable*

**PART II: MUNICIPAL SOLID WASTE LANDFILL UNIT(S)**

*Not Applicable*

**PART III: CONSTRUCTION AND DEMOLITION DEBRIS LANDFILL UNIT(S)**

*Not Applicable*

**PART IV: INDUSTRIAL LANDFILL UNIT(S)**

*Not Applicable*

**PART V: LAND CLEARING AND INERT DEBRIS LANDFILL UNIT(S)**

*Not Applicable*

**PART VI: TRANSFER STATION/TREATMENT & PROCESSING UNIT(S)**

*Not Applicable*

**PART VII: MISCELLANEOUS SOLID WASTE MANAGEMENT**

*Not Applicable*

*- End of Section -*

**ATTACHMENT 3**  
**CONDITIONS OF PERMIT TO OPERATE**

**PART I: GENERAL FACILITY**

1. The Permit to Operate shall expire **June 15, 2021**. Pursuant to 15A NCAC 13B.0201(g), no later than **January 15, 2021**, the owner or operator must submit a request to the Section for permit review prepared in accordance with Section .1603(a)(2) or (3) as applicable, and must update pertinent facility plans including, but not limited to, the facility operation and waste screening plans.
2. All sedimentation and erosion control activities must be conducted in accordance with the Sedimentation Control Act N.C.G.S. 113A-50, et seq., and rules promulgated under 15A NCAC 4.
3. The edge of the waste footprint for all disposal units must be identified with permanent physical markers.
4. The permittee must not knowingly dispose of, or accept for transfer for subsequent disposal, municipal solid waste that is generated within the boundaries of a unit of local government that by ordinance:
  - a. Prohibits generators or collectors of municipal solid waste from disposing of that type or form of municipal solid waste.
  - b. Requires generators or collectors of municipal solid waste to recycle that type or form of municipal solid waste.
5. Copies of this permit, the approved plans and all records required to be maintained by the permittee must be maintained at the facility, unless otherwise approved by the Section, and made available to the Section upon request during normal business hours.

**PART II: MUNICIPAL SOLID WASTE LANDFILL UNIT(S)**

*Not Applicable*

**PART III: CONSTRUCTION AND DEMOLITION DEBRIS LANDFILL UNIT(S)**

*Not Applicable*

**PART IV: INDUSTRIAL LANDFILL UNIT(S)**

*Not Applicable*

**PART V: LAND CLEARING AND INERT DEBRIS LANDFILL UNIT(S)**

6. This permit approves the continued operation of Phase 1 and Phase 1 Expansion area of the land clearing and inert debris landfill, as well as the onsite environmental management and protection facilities as described in the approved plans.

7. This facility is permitted to receive non-hazardous solid waste generated within Ashe, Avery, Caldwell, Watauga and Wilkes Counties, consistent with the local government waste management plan and with local government approval and as defined in G.S. 130-290 (a)(18a) and (35), except where prohibited by the N. C. General Statutes Article 9 of Chapter 130A, and the rules adopted by the Commission for Health Services.
8. 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).
9. The following table lists the dimensions and details for the LCID landfill unit. The following waste volumes include waste, daily cover, and intermediate cover, but do not include final cover.

Unit	Acres	Gross capacity (cubic yards)	Status
Phase 1	1.95		Operational
Phase 1 Exp.	0.28		Future
Phase 2	0.72		Future
Phase 3	1.28		Future
Total	4.23	90,850	

10. The facility is approved to accept approximately 15,000 tons per year, approximately 48 tons per day (based on 312 days per year), with a maximum variance in accordance with GS 130A-294(b1)(1) as listed in Attachment 1, Part V.
11. The following, at a minimum, must not be accepted for disposal at the facility: hazardous waste, yard trash, liquid wastes, regulated medical waste, sharps not properly packaged, PCB waste as defined in 40 CFR 761, and wastes banned from disposal in North Carolina by G.S. 130A-309.10(f).

**PART VI: TRANSFER STATION/TREATMENT & PROCESSING UNIT(S)**

*Not Applicable*

**PART VII: MISCELLANEOUS SOLID WASTE MANAGEMENT**

**General Conditions**

12. Wastes received and product stored shall be maintained in reasonably sized piles with adequate fire breaks and lanes in accordance with the approved operational plans and the pertinent rules.
13. Surface water shall be diverted from all operational and storage areas to prevent standing water in operational areas and under or around storage piles. Water that comes in contact with solid waste shall be contained on-site or properly treated prior to discharge.

14. These areas 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.
15. These areas shall be operated and maintained in a manner so as to minimize odors, prevent the creation of a nuisance, potential health hazard, or a potential fire hazard.
16. Effective vector control measures shall be applied as necessary to control flies, rodents, insects, or vermin.

Operational Conditions – Treatment & Processing (Wood Grinding)

17. The facility is permitted to operate a treatment and processing facility as defined in 15A NCAC 13B.0101(49).
18. The facility is permitted to receive land clearing waste as defined in 15A NCAC 13B.0101(23).
19. The facility is permitted to receive wooden pallets constructed of unpainted and untreated natural wood.
20. The facility is permitted to receive yard trash as defined in 15A NCAC 13B.0101(55). However, this ground material containing yard trash may not be distributed to the public unless it has been composted in accordance with 15A NCAC 13B.1400.
21. The facility must manage the treatment and processing according to the Operation Plan included in Attachment 1, Parts II-VII: "List of Documents for the Approved Plan". This document is included in the approved plan. Any revisions to the approved plan shall be approved by the Section, prior to implementation.

Operational Conditions – Type 1 Composting Unit

22. The facility is permitted to operate a compost facility as defined in 15A NCAC 13B.0101(7).
23. The facility is only permitted to receive waste materials described in 15A NCAC 13B.1402(f)(1) and (2).
24. The facility must monitor and maintain records to demonstrate the requirements of 15A NCAC 13B.1406 are continually being met. In addition, the facility is required to maintain records on the following information:
  - a. The amount of waste received into the facility,
  - b. the amount of compost land applied as a soil amendment,
  - c. the area of land compost was applied to as a soil amendment, and
  - d. the amount and final termination of any remaining compost.

- End of Section -

**ATTACHMENT 4**  
**CONDITIONS FOR CLOSURE**

**PART I: GENERAL FACILITY**

*Not Applicable*

**PART II: MUNICIPAL SOLID WASTE LANDFILL UNIT(S)**

25. The MSW landfill unit stopped receiving waste in April 1994.
26. Watauga County must maintain the integrity and effectiveness of the cap system, including making repairs to the cover as necessary to correct the effects of settlement, subsidence, erosion, or other events, and prevent surface water from impounding over waste and run-on and run-off from eroding or otherwise damaging the cap system.
27. Post-closure use of the property is subject to review and approval by the Division and must not disturb the integrity of the cap system, or the function of the monitoring systems. The Division 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.
28. The permittee must continue to conduct groundwater, surface water sampling and landfill gas monitoring in accordance with the approved plans.
29. The permittee must maintain a record of all monitoring events and analytical data. Reports of the sampling events and analytical data must be submitted to the Section in a timely manner.

Any proposed expansion to the closed MSW landfill unit will be considered a new landfill for purposes of Solid Waste Management permitting

**PART III: CONSTRUCTION & DEMOLITION DEBRIS LANDFILL UNIT(S)**

*Not Applicable*

**PART IV: INDUSTRIAL LANDFILL UNIT(S)**

*Not Applicable*

**PART V: LAND CLEARING & INERT DEBRIS LANDFILL UNIT(S)**

*Not Applicable*

**PART VI: TRANSFER STATION/TREATMENT & PROCESSING UNIT(S)**

*Not Applicable*

**PART VII: MISCELLANEOUS SOLID WASTE MANAGEMENT**

*Not Applicable*

- End of Permit Conditions -