



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

Pat McCrory
Governor

Donald R. van der Vaart
Secretary

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

SOLID WASTE MANAGEMENT FACILITY
Permit No. 43E-LCID

Barnhill Contracting Company, Inc.
is hereby issued a

PERMIT TO CONSTRUCT
NOT APPLICABLE

PERMIT TO OPERATE
43E-LCID MCARTAN MINE LCID LANDFILL PHASE I

PERMIT FOR CLOSURE
NOT APPLICABLE

located on *Josey Williams Road (N.C.S.R. 2027)*, northwest of Linden in Harnett 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 1, Part I of this permit.

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

ATTACHMENT 1
GENERAL PERMIT CONDITIONS/INFORMATION

Permit to Operate Data Table

| Permit | Status | Issuance | Expiration |
|----------|--------|----------------|-------------------|
| 43E-LCID | Active | March 23, 2015 | February 19, 2020 |

PART I: GENERAL FACILITY

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 to Construct and Operate for this facility, dated February 19, 2010, was recorded by the Harnett County Register of Deeds on March 3, 2010 in Book 2719 on Pages 353-364 (Document ID number 10006).
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 receiving waste at this facility the permittee shall be considered to have accepted the terms and conditions of this permit.
6. 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 the “List of Documents for the Approved Plan” 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 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.
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

| Harnett County, N.C. Register of Deeds | | | | |
|---|------|---------|------------------------|------------------|
| Book | Page | Acreage | Landowner | PIN |
| 0762 | 758 | 40.9± | Cumberland Paving Co. | 0565-41-0880.000 |
| | | 40.9± | Total Facility Acreage | |

Notes:

1. Parcel information was provided by the Harnett County Register of Deeds GIS website (<http://gistoolbox.harnett.org/Freeance/Client/PublicAccess1/index.html?appconfig=102>) accessed November 2014.

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)

Permitting History

1. On August 29, 2001 an LCID Notification approval was issued by the Section.
2. On April 17, 2002 a Permit to Construct was issued for Phase I of the Land Clearing and Inert Debris Landfill.

3. On February 19, 2010 an amendment was made to the Permit for the continuation of construction of Phase 1 as well as the continued operation of a 2.07 acre area Phase I.
4. On May 4, 2012 the engineer's construction certification was submitted for the completion of Phase 1.
5. On March 23, 2015 an amendment was made to the Permit for the five-year renewal of operations.

| No. | Permit Type | Date Issued | DIN |
|-----|------------------------------|-------------------|-------|
| 1. | Notification Approval | August 29, 2001 | |
| 2. | Permit to Construct | April 17, 2002 | 6202 |
| 3. | Permit Amendment | February 19, 2010 | 9745 |
| 4. | * Construction Certification | May 4, 2012 | 16688 |
| 5. | * Permit Amendment | March 23, 2015 | 22466 |

List of Documents for the Approved Plan

| DOCUMENT ID NO. | DOCUMENT DESCRIPTION |
|-----------------|---|
| 6205 | <i>DWM Technical Comments</i> , November 10, 2008. |
| 9505 | <i>LCID Permit Renewal, Barnhill Contracting Company, Landfill Permit No. 43-E, McArtan Site</i> . Prepared by: ESP Associates, P.A., Charlotte, NC. Prepared for: Barnhill Contracting Company, Fayetteville, NC. September 22, 2008. Doc ID 9504, revised July 9, 2009. |
| 9514 | <i>Facility's Technical Responses and later email amendments</i> , August 5, 2009, Doc ID 8723, e-mail correspondence from July 7, 2009 to January 29, 2010. |
| 16688 | <i>Engineer's Construction Certification: Phase I Completion</i> . Prepared by: Call Sign Engineers. Prepared for: Barnhill Contracting Company. March 20, 2012. |
| 21800 | <i>Permit Renewal Application</i> . Prepared by: Call Sign Engineers. Prepared for: Barnhill Contracting Company. August 21, 2014. |

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

Not Applicable

PART VII: MISCELLANEOUS SOLID WASTE MANAGEMENT

Not Applicable

- End of Section -

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 February 19, 2020. Pursuant to 15A NCAC 13B .0201(g), no later than August 19, 2019, 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. The edge of the waste footprint for all disposal units must be identified with permanent physical markers.
3. 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. The Section must be notified of any approved modifications to the sedimentation and erosion control plan.
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)

1. 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).
2. This facility is permitted to receive solid waste generated within Harnett County, consistent with the local government waste management plan and with local government approval and as defined in G.S. 130-290 (a)(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.
3. This permit approves the continued operation of Phase 1 of land clearing and inert debris landfill, as well as the onsite environmental management and protection facilities as described in the approved plans.
4. The planned landfill occupies approximately 28.74 acres. The area within the waste boundary is approximately 8.81 acres. The following table lists the capacity for the LCID landfill unit. Total gross capacity is defined as the volume measured from the bottom of the waste through the top of final cover. The final elevation of the landfill is approximately 800 feet.

| | Acreage | Gross Capacity (yd³) | Status |
|----------|----------------|--|---------------|
| Phase I | 5.85 | ~134,000* | Active |
| Phase II | 3.66 | 28,000 | Future** |
| Total | 9.51 | ~162,000 | |

Notes: *Phase 1 gross capacity is calculated based on 2009 remaining capacity and annual average disposal rate.

**Once Phase 1 is completed (filled with LCID waste), an additional Permit application must be submitted to the Department for review and approval prior to the Construction and Operation of Phase 2.

5. 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 130A-294(m).
6. 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).
7. Excavation, grading and fill material side slopes must not exceed a ratio of three horizontal feet to one vertical foot (3:1) unless previously approved by the Section.

8. Additional clean fill must be added to specific buffers and also meet the four (4) feet vertical separation requirements between the seasonal high water table and the bottom of the LCID waste according to Drawing No.'s 4 and 5 by ESP Associates, P.A. , August 4, 2009 (DIN 9505). Prior to adding clean soil, vegetation shall be removed.
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. Sampling of explosive landfill gas from Monitor Well 1 shall be implemented within one (1) month of issuance of this permit and shall be sampled quarterly for one year and semi-annual thereafter. Records shall be maintained by the owner. The concentration of explosive gases generated by the facility shall not exceed twenty-five percent of the lower explosive limit for gases in facility structures and the lower explosive limit for the gases at the property boundary. If exceedances do occur, then the owner shall adhere to similar landfill gas rules as specified in 15A NCAC 13B .0543(d). Installation of additional landfill gas wells is not necessary at this time, but may be required at a future date, depending on when future Phase 2 receives LCID waste and if there are any gas detections from existing landfill gas MW-1.
12. 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

13. 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.
14. 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.

15. 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.
16. 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

Erosion and Sedimentation Control Requirements

17. 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 site of the landfill unit during the service life of the facility.
18. The permittee is solely responsible for maintaining an approved sedimentation and erosion control plan. All earth disturbing activities must be conducted in accordance with the Sedimentation Control Rules (15A NCAC 4) and consistent with any other local, state or federal requirements.

Drainage Control and Water Protection Requirements

19. 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.
20. Ground water quality at this facility is subject to the classification and remedial action provisions of 15 NCAC 2L.
21. Solid waste must be placed a minimum of four feet above the seasonal high water table.
22. 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.
23. Leachate must be properly managed on site using best management practices.

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

Not Applicable

PART VII- MISCELLANEOUS SOLID WASTE MANAGEMENT

Not Applicable

- End of Section

ATTACHMENT 4
CONDITIONS OF PERMIT FOR CLOSURE

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 Permit Conditions -