



Permit No: 92N
Currin Brothers LCID Landfill
Sunset Lake Road
August 14, 2014
Document ID No. 21521
Page 1 of 11

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

Pat McCrory
Governor

Linda M. Culpepper
Director

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Secretary

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

SOLID WASTE MANAGEMENT FACILITY
Permit No. 92N

CURRIN BROTHERS, INC
(dba Currin Brothers Landfill)

is hereby issued a

PERMIT TO CONSTRUCT
Not Applicable

PERMIT TO OPERATE
92N-LCID-1986 Currin Brothers LCID Landfill – Phases 1, 2, and 3
Debris Handling Area

PERMIT FOR CLOSURE
Not Applicable

Located east of the intersection of NC 55 and SR 1301 in the White Oak Township, 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 deed recorded for this property listed in Attachment 1 of this permit.

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

1646 Mail Service Center, Raleigh, North Carolina 27699-1646
Phone: 919-707-8200 Internet: <http://portal.ncdenr.org/web/wm/sw>

ATTACHMENT 1
GENERAL PERMIT CONDITIONS INFORMATION

Permit to Operate Table

Permit	Issuance	Expiration
92N-LCID-1986	August 14, 2014	June 3, 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 North Carolina Administrative Code (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 issued June 3, 2010, was recorded in the Wake County Register of Deeds on October 10, 2012, in Deed Book 014966, Pages 00031-00042. Document Identification Number (DIN) 17439].
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 solid waste management facility 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 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. 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 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 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.

**Properties Approved for the Solid Waste Management Facility
 Wake County, NC - Register of Deeds**

Book	Page	Grantor	Grantee	Acres
3670	823	Ross L. Gordon and wife, Margaret R. Gordon	Currin Bros., Inc.	18.686
BM 1986	368			
6000	178	Landvestco	Currin Bros., Inc.	64.959
BM 1995	836	Recombination Map		
Total acreage:				83.645

The landfill occupies approximately 48 acres on the properties.

Part II Municipal Solid Waste Landfill Unit(s)

Not Applicable

Part III Construction and Demolition 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

Permit Type	Recordation	Date Issued	Document ID
Permit to Operate (Wake County Permit No. 86-001)	DB 3670 PG 825-827	March 4, 1986	12043
Permit to Construct – Areas 1 and 2 (Wake County Permit No. 86-001) (DEHNR Permit No. 92-S)	DB 7033 PG 0077-0080	June 18, 1996	
PTC – Phases 1, 2, and 3 (Wake County Permit No. 86-001) (DEHNR Permit No. 92-S)		December 23, 2003	
PTO (Wake County Permit No. 86-001) (DEHNR Permit No. 92-S)	DB 011102 PG 1045-1047	November 10, 2004	
PTO (DENR – DWM Permit No. 92-N)	DB 014966 PB 0031-0042	October 19, 2012	17234
PTO Amendment (5-yr)		August 14, 2014	21521

List of Documents for the Approved Plan

1. Site plan prepared by Little and Little dated November 4, 1985.
2. Map entitled “Recombination Map Property Survey for Glenn Currin” recorded in Wake County Book of Maps 1986, Page 368.
3. Letter from Wake County Environmental Services approving modifications for Phases 1, 2, and 3 of the LCID Permit 92-S at 4547 Sunset Lake Road, White Oak Township, Wake County. December 23, 2003.
4. *Application to renew LCID Permit 92-N for next five years.* Prepared by John A. K. Tucker, P.E. June 1, 2010. DIN 10775, 10850, and 10851
5. Operation manual, drawings, volume calculations. Revised March 6, 2012. DIN 17228
6. Landfill Gas Monitoring Evaluation. September 4, 2012. DIN 17227
7. Letter from Ed Mussler approving revised final cover grading plan. April 25, 2014. DIN 20905
8. *Permit Renewal Application. Sunset Lake LCID Landfill & Recycling Facility. NC Solid Waste Permit No. 92N.* Submitted by Smith Gardner, Inc. May 8, 2014. DIN 21132.

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

1. Construction of all solid waste management units within this facility must be in accordance with the pertinent approved plans included in Attachment 1, List of Documents for the Approved Plan.
2. Modification or revision of the approved plans or changes during construction require approval by the Section and may constitute a permit modification and be subject to a permitting fee.
3. All sedimentation and erosion control activities must be conducted in accordance with the Sedimentation Control Act NCGS 113A-50, et seq., and rules promulgated under 15A NCAC 4. The facility must furnish a copy of the approved Sedimentation and Erosion Control Plan from the NC Division of Energy, Mineral and Land Resources, Land Quality Section, to the Solid Waste Section.
4. Modifications to the approved sedimentation and erosion control activities require approval by the NC Division of Energy, Mineral and Land Resources, Land Quality Section. The Solid Waste Section must be notified of any modifications.
5. Facility construction 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 requirement under Sections 401 and 4040 of the Clean Water Act, as amended.

Part II Municipal Solid Waste Landfill Unit(s)

Not Applicable

Part III Construction and Demolition 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 facility must be adequately secured by means of gates, chains, berms, fences, or other security measures approved by the Section to prevent unauthorized entry.
2. Signs must be posted at the entrance to the facility that state types of waste that can and cannot be received at the facility, the hours of operation, the permit number(s), contact name, telephone number, and other pertinent information. Traffic signs or markers must be provided as necessary to promote an orderly traffic pattern to and from the operating areas and to maintain efficient operating conditions.
3. Interior roadway must be of all-weather construction and maintained in good condition.
4. A responsible individual trained and certified in facility operations must be on-site at all times during all operating hours of the facility, in accordance with N.C.G.S. 130A-309.25. An attendant must be present to oversee the loading and unloading of 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 and made available to the Section upon request during normal business hours.
6. All sedimentation and erosion control activities must be conducted in accordance with the Sedimentation Control Act, NCGS 113A-50 et seq., and rules promulgated under 15A NCAC 4. 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 area of the landfill unit during the service life of the facility. The Section must be notified of any modifications to the approved sedimentation and erosion plan.
7. 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 4040 or the Clean Water Act, as amended.
8. Fire lanes must be established and maintained at all times. The dimensions of the fire lanes must be coordinated with the Fire Marshall having jurisdiction over the site.
9. Open burning of solid waste is prohibited. Fires and non-conforming waste incidents shall be reported to the Section's regional waste management specialist within twenty-four hours followed by a written notification to be submitted within 15 days.
10. Financial assurance as required by state rules and statutes must be continuously maintained for the duration of the facility and updated and submitted annually to the Section by the anniversary date of the issuance of this permit.

Part II: Municipal Solid Waste Landfill Units

Not Applicable

Part III: Construction and Demolition Debris Landfill Units

Not Applicable

Part IV: Industrial Landfill Units

Not Applicable

Part V: Land Clearing and Inert Debris Landfill Units

1. The permit to operate will expire June 3, 2020. Pursuant to 15A NCAC 13B .0201(c), the permittee must submit a permit amendment application prepared in accordance with 15A NCAC 13B .0565 and .0566 to the Section no later than December 3, 2019.
2. This permit authorizes the operation of Phases 1, 2, and 3 of the LCID landfill.
3. The following table lists the capacity for the landfill units based on an aerial survey performed on May 12, 2013. Total gross capacity is defined as the volume measured from the bottom of waste through the top of final cover. The landfill historically has received approximately 150,000 cubic yards per year. Operation of the debris recovery area recovers approximately 80%.

Landfill Unit	Area (acres)	Gross Capacity (cubic yards)	Life Expectancy (Years)
Phase 1-2A	37.1	2,794,300	19
Phase 2B	8.3	545,700	2
Phase 3	2.7	108,500	0
Total	48.1	3,448,500	21

4. This facility is permitted to receive solid waste generated within the following North Carolina counties: Durham, Wake, Harnett, Orange, Granville, and Chatham. Proposed changes to the service must be approved by the Section and will be considered a modification and may be subject to a permitting fee.
5. The facility is permitted to receive for disposal land clearing waste; yard trash; untreated and unpainted wood; uncontaminated soil; inert debris such as unpainted rock, brick, concrete, and concrete block.

6. Revisions to the design or operation of the facility require written approval of the Section and may be subject to a permitting fee.
7. Solid waste must be restricted to the smallest area feasible, compacted as densely as practical into cells by proper construction equipment.
8. Excavation, grading, and fill material side slopes must not exceed three horizontal to one vertical (3:1).
9. Permanent markers that accurately delineate the waste disposal boundary must be maintained.
10. An attendant must be on duty at all times while the landfill is open for public use to assure compliance with operational requirements and to prevent acceptance of unauthorized wastes.
11. 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 dimension and volumes 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.
12. The concentration of explosive gases generated by the LCID landfill facility must not exceed:
 - a. Twenty-five percent of the lower explosives limit for the gases in the facility structures.
 - b. The lower explosive limit for the gases at the property boundary.

Cover Material Requirements

13. Adequate soil cover shall be applied monthly, or when the active area reaches one 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 time.
15. Vegetative ground cover sufficient to restrain erosion must be established within 30 working days over areas that do not receive wastes for 30 calendar days or 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 one foot of suitable soil cover sloped to allow surface water runoff in a controlled manner.

Drainage Control and Water Protection 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. Ground water quality at this facility is subject to the classification and remedial action provisions of 15A NCAC 2L.
19. Solid waste must be placed a minimum of four feet above the seasonal high water table.
20. Solid waste must not be disposed in standing water. Surface water must be diverted from
21. Leachate must be properly managed on site through the use of current best management practices.
22. Concentration of explosive gases generated by the facility shall not exceed specifications listed in 15A NCAC 13B .0566 (13).

Recordkeeping and Reporting

23. The permittee must maintain a record of the amount of solid waste received at the facility. On or before August 1 annually, the permittee must submit an annual facility report to the Solid Waste Section, on forms prescribed by the Section.

Part VI: Transfer Station / Treatment and Processing Unit

Not Applicable

Part VII: Miscellaneous Solid Waste Management

24. The facility is permitted to operate a treatment and processing operation as defined in 15A NCAC 13B .0101(49). The operation consists of grinder for land clearing and yard waste debris.
25. The facility is permitted to received land clearing debris and yard waste as defined in 15A NCAC 13B .0101(23) and (56), respectively.
26. If wood material/mulch containing yard trash is provided to the public, the permittee must submit a plan for composting the yard trash in accordance with the requirements of 15A NCAC 13B .1400, et seq.

- End of Permit Conditions -