



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. 32I

CURRIN BROS. INC

is hereby issued a

PERMIT TO CONSTRUCT AND OPERATE
32I-LCID-1995, Currin Landfill #2 – Areas 7-8

PERMIT TO OPERATE
32I-LCID-1995, Currin Landfill #2 – Areas 1-6

PERMIT FOR CLOSURE
Not Applicable

located at 1810 Coley Road in Durham 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



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ATTACHMENT 1
GENERAL PERMIT CONDITIONS INFORMATION

PERMIT TO OPERATE

Permit	Issuance	Expiration	DIN
32I-LCID-1995	December 1, 2015	October 21, 2020	25291

DIN = Document Identification Number

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 operate for the Currin Landfill #2 issued October 21, 2010, was recorded in the Durham County Register of Deeds on February 9, 2011, in Deed Book 6665, Pages 145-156. [Document Identification Number (DIN) 12898].
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 FACILITIES

Durham County Register of Deeds				
Book	Page	PIN	Grantee	Acres
1969	204	0870-02-67-3638	Currin Bros., Inc.	62.948
131	78	Plat		

The landfill occupies approximately 38 acres on the property.

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)

Permit Type	Date Issued	DIN
Permit to Construct and Operate – Areas 1 and 3	March 22, 1995	
PTO Amendment (5-yr)	September 29, 2010	11444
PTO Amendment (5-yr) - Administrative Revisions	October 21, 2010	11866
PTO Amendment (5-yr) – Areas 1-8	December 1, 2015	25291

List of Documents for the Approved Plan

1. Application documents submitted for permit issued March 22, 1995. DIN 11450 and DIN 11676.
2. Letter from John A. K. Tucker, P.E. requesting renewal of permit to operate. July 25, 2006. DIN 9080.
3. Currin Brothers LCID Landfill No. 2 Permit Renewal Application, Permit No. 32-I-LCID. Prepared by Glen B. Currin, owner and John A.K. Tucker, P.E. April 5, 2010. DIN 11439. Revised drawings and calculation. June 14, 2010. DIN 11140. Revised calculation. June 18, 2010. DIN 11441. Hydrogeologic Report. August 23, 2010. DIN 11442. Compliance History Review Acceptance. September 17, 2010. DIN 11601. Correspondence associated with permit review. February 5, 2010 through August 23, 2010. DIN 9560, 10479, and 11443.
4. *Cement Disposal – Demonstration Summary*. Prepared by Smith + Gardner. January 30, 2015. DIN 23286.
5. *Request Acknowledgement Letter*. Approval to accept partially hardened concrete based on demonstration. February 3, 2015. DIN 23287
6. *Permit Renewal Application. Currin Bros. LCID Landfill (Permit No. 32-I)*. Prepared by Smith + Gardner. August 26, 2015. Revised through November 30, 2015. DIN 25290.

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)

1. Pursuant to 15A NCAC 13B .0201(c) and (e), this permit approves further construction of future areas of the Currin Landfill #2.
2. The landfill is permitted for a total gross capacity of 5,153,000 cubic yards. Gross capacity is defined as the volume measured from the permitted site base grades through the top of

proposed final cover. Development of the landfill is approved as indicated in the approved plans and as summarized in the following table.

Volume	Landfill Areas	Gross Capacity (cubic yards)	Acreage
Consumed ^a	1, 2, 3, 4, 5 & 6	1,600,000	16.9
Remaining	4, 5, 6, 7 & 8	2,036,000	10.4
Future	9, 10, 11 & 12	1,564,000	10.5
Total		5,153,000	37.8

^a Consumed and remaining capacity is based on an aerial survey performed on January 8, 2015.

3. The following are required prior to receiving solid waste in a new phase:
 - a. Written certification from a licensed professional engineer must be submitted to the Section certifying that the phase(s) has been constructed in accordance with the approved plans.
 - b. A sign must be posted at the entrance as required by NCAC 13B. 0566(16).
 - c. The disposal unit boundary must be accurately identified with permanent markers.
 - d. A site inspection and pre-operative meeting must be conducted by a representative of the Section. The permittee must notify the Section Environmental Senior Specialist and arrange for the site inspection and pre-operative meeting.
 - e. After completion of the requirements in subparagraphs a. through d. above, the Section Environmental Senior Specialist shall notify the permitting branch supervisor by letter or email that the pre-operative requirements have been met and that the unit(s) may commence receiving waste. The permittee will be copies on the notification and may begin receiving waste at that time.

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 that no hazardous waste or liquid waste can be received at the facility; and provide information on dumping procedures, the hours of operation, the permit number, 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 discharge area 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 NCGS 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. The Section must be notified of any approved modifications to the sedimentation and erosion control 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 must be reported to the regional waste management specialist with 24 hours of the occurrence, followed by a written notification within 15 calendar days of the occurrence.
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 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. The permit to operate will expire **October 21, 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 April 21, 2020.
2. This permit authorizes the continued operation of Areas 1-6 of the LCID landfill. Areas 7 and 8 may be operated under this permit to operate after conditions in the permit to construct (Attachment 2) are met. Estimated volume for 2015-2020 is 682,000 cubic yards.
3. 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; and asphalt in accordance with NCGS 130A-294(m).
4. Revisions to the design or operation of the facility require written approval of the Section and may be subject to a permitting fee.
5. Solid waste must be restricted to the smallest area feasible, compacted as densely as practical into cells by proper construction equipment.
6. Excavation, grading, and fill material side slopes must not exceed three horizontal to one vertical (3:1).
7. Permanent markers that accurately delineate the waste disposal boundary must be maintained.
8. 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.
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 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.

Cover Material Requirements

10. 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.

11. 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.
12. Vegetative ground cover sufficient to restrain erosion must be established within 30 working days over areas that are not 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.
13. 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. However, for ditches with depths greater than six inches and widths less than three feet located on the landfill, at least two feet of soil is required between the bottom elevation of the ditches and the waste mass.

Drainage Control and Water Protection Requirements

14. 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.
15. Ground water quality at this facility is subject to the classification and remedial action provisions of 15A NCAC 2L.
16. Solid waste must be placed a minimum of four feet above the seasonal high water table.
17. Solid waste must not be disposed in standing water. Surface water must be diverted from
18. Leachate must be properly managed on site through the use of current best management practices.

Recordkeeping and Reporting

19. 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

1. The permittee is allowed to accept and manage partially hardened concrete as described in in the approved plan.

- End of Permit Conditions -