



Facility Permit No: 34-AA-
Piney Hill Acres LCID Landfill Facility
Part 1 & 2 - Permit to Construct/Operate
DIN 23949
April 6, 2015
Page 1 of 13

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. 34AA-LCID

DAVID LEE LAWSON, L.L.C.
is hereby issued a

PERMIT TO CONSTRUCT
34AA-LCID-, PINEY HILL ACRES LCID LANDFILL - Phase 2

PERMIT TO OPERATE
34AA-LCID-, PINEY HILL ACRES LCID LANDFILL FACILITY
Land Clearing and Inert Debris Landfill, Treatment and Processing and
Large Type 1 Compost Facility

PERMIT FOR CLOSURE
Not Applicable

Located at 2081 Piney Grove Road (SR 1969) between SR 2015 and SR 2052, in Kernersville, Forsyth 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 III of this permit.

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

ATTACHMENT 1
GENERAL PERMIT CONDITIONS

PART I: GENERAL FACILITY

Permit to Operate Date Table

Permit	Status	Issuance	Expiration	DIN
34AA-LCID-, Piney Hill Acres LCID Landfill Facility	Active	April 6, 2015	April 6, 2020	232949

PART II: LIST OF DOCUMENTS FOR THE APPROVED FACILITY PLAN

1. Original permit submittal document titled “Land Clearing and Inert Debris Landfill Application, Piney Hill Acres, 2081 Piney Grove Road, Kernersville, North Carolina” dated 15 January 2002 and prepared by Trigon Engineering Consultants, Inc. Original submittal documents include the application narrative, soil test pit records, Zoning Approval (dated 24 April 1997), Site Operations and Maintenance Plan, Property Deeds, and the Erosion Control Plan.
2. Fax transmittal from Trigon Engineering Consultants, Inc. dated 7 February 2002 showing the site within the East Belews Creek Watershed identified by the Natural Heritage Program as a significant natural area under private ownership.
3. Wetlands and Endangered Species Survey Report dated 25 April 2002 from Trigon Engineering Consultants, Inc. indicating that no endangered or threatened species or habitat would be affected by the proposed LCID landfill.
4. Letter dated 5 June 2002 issued by Forsyth County for Erosion Control Plan approval.
5. Submittal received 11 June 2002 from Trigon Engineering Consultants, Inc. including additional copy of the Wetlands and Endangered Species Survey (dated 25 April 2002), Development Permit from the Winston-Salem/Forsyth County Inspections Division (dated 6 June 2002), and letter dated 23 May 2002 from the NCDOT regarding the requirement of a driveway permit.
6. Revision to the original permit application submitted by Trigon Engineering Consultants, Inc including revised drawings 4, 5, 6, and 7 based on Winston-Salem/Forsyth County Development Permit limiting the size of the landfill footprint to 1.95 acres.
7. Letter dated May 13, 2003 from Trigon Engineering Consults, Inc. including modified drawings 6 and 7 and a new drawing #8 to support a request to allow excavation of base grades below the contours previously approved in September 2002.
8. Letter from Trigon Consults dated March 30, 2005, addressed to Tim Jewett, Solid Waste Section, requesting approval to excavate to a maximum depth of 12 feet below the lowest existing elevation along with a copy of Drawing 015-04-121-3 showing the location of

the additional cut area, Cross-Section A-A' (Drawing 011-01-083-6) and Cross- Section B-B' (Drawing 011-01-083-7) demonstrating the bottom cut elevation of 810 feet.

9. *Land Clearing and Inert Debris Landfill, Operation Plan for Piney Hill Acres.* Submitted by Kleinfelder for David Lawson. May 5, 2009. Revised October 14, 2009 to include Small Type 1 Compost Permit. DIN 7700.
10. *Land Clearing and Inert Debris Landfill, Operation Plan for Piney Hill Acres.* Submitted by Kleinfelder. Prepared for David Lawson. December 18, 2009. DIN 9277.
11. *Amendment to Modification, Piney Hill Acres LCID Landfill/Treatment and Processing Operation Plan* (Expansion showing an updated Figure 2). Submitted by Kleinfelder. Prepared for David Lawson. Requested July 24, 2012. DIN 17336. Revised December 14, 2012. DIN 17919.
12. *LCID Landfill / Treatment and Processing / Compost Facility Operation Plan, Piney Hill Acres.* Submitted by EnviroTrac Environmental Services. Prepared for David L. Lawson, LLC. January 26, 2015. DIN 23938.

Properties Approved for the Solid Waste Management Facility

Forsyth County, N.C. Register of Deeds					
March 18, 2009 Rezoning Docket F-1508 LI-S					
Book	Page	Grantor	Grantee	Acres	Parcel ID (PIN)
BK2829	4180-4182	David L. Lawson and Wife, Betty B. Lawson	David Lee Lawson, LLC	15.71	6888-74-4320
BK2829	4180-4182	David L. Lawson and Wife, Betty B. Lawson	David Lee Lawson, LLC	2.04	6888-73-3709
Original Site Acreage: 17.75					

March 21, 2012 Rezoning Docket F-1529, LI-S

Book	Page	Grantor	Grantee	Acres	Parcel ID (PIN)
BK2829	4180-4182	David L. Lawson and Wife, Betty B. Lawson	David Lee Lawson, LLC	0.46	*Part of the Buffer 456888-74-1734
BK2829	4180-4182	David L. Lawson and Wife, Betty B. Lawson	David Lee Lawson, LLC	5.95	**Portion of 6888-84-2202
Sub-total				6.41	
Total				24.16	

*Part of buffer - not included in "Total Property"

** Only a portion of the parcel was zoned LI-S

PART I: PERMITTING HISTORY

34-AA-LCID-, PINEY HILL ACRES LCID LANDFILL FACILITY

Permit Type	Date Issued	DIN
1. Permit to Construct/Operate Landfill- 1.95 acres	May 15, 2001	
2. Permit to Construct/Operate	September 12, 2002	9238
3. Permit Modification	January 28, 2004	
4. Permit Modification	October 17, 2005	
5. Permit to Construct/Operate	February 1, 2010	7046
6. Permit Modification	December 17, 2012	17920
7. Permit to Construct / Operate	April 6, 2015	23949

1. LCID Landfill originally was approved as Permit No. 34-90-16. Permit amended was on September 12, 2002.
2. Permit Modification, Permit No. 34-90-16 was changed to 34-AA on January 28, 2004 to coincide with the permitting format used by the Division of Waste Management.
3. Permit Modification, October 17, 2005, approved the LCID Landfill to expand to 3.9 acres and to excavate an additional 12' deeper, bottom cut elevation of 810 feet.
4. Permit Modification, December 17, 2012, approved the LCID Landfill to operate 0.8668 acres of Fill Area 2.

5. PTC / PTO approved April 6, 2015 is for an expansion of the Treatment and Processing area to 5.79 acres, a Large Type 1 Compost Facility (3.99 acres) and the LCID Landfill an additional 0.17 acres approved for waste disposal.

Facility Areas	Acres
Existing LCID	2.88
Future LCID	2.23
Proposed LCID	0.17
T&P	5.79
<u>Compost</u>	<u>3.99</u>
Total	15.06

Treatment & Processing Permit History, Total Acreage =5.79 acres.

Permit Type	Date Issued	DIN
1. Permit to Construct/Operate Landfill Treatment & Processing	February 1, 2010	7046
2. Permit to Construct / Operate	April 6, 2015	23949

Composting Permit History, Total Acreage = 3.99 acres

Permit Type	Date Issued	Document ID No.
Permit to Construct/Operate , 2.0 acres	December 17, 2012	17920
Permit to Construct / Operate	April 6, 2015	23949

PART IV: GENERAL PERMIT CONDITIONS

- 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 Operate conditions are contained in Attachment 3 of this permit. Any revisions to these approved plans must be approved by the North Carolina Solid Waste Section
- The persons to whom this permit is issued (“permittee”) are the owners and operators of the solid waste management facility.

3. The Permit for this facility, dated February 1, 2010 (DIN 7046), was recorded by the Forsyth County Register of Deeds on 03/29/2010 in Bk: RE 2938 on Pages 2425 through 2436 (Document ID No. 13635) and on February 17, 2004 in BK 2445, P2923 – P2927 , Permit Modification Date: January 28, 2004.
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 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.
7. This permit is issued based on the documents submitted in support of the application for permitting the facility including those identified in Attachment I, Part II “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 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.

- End of Section -

**ATTACHMENT 2
CONDITIONS OF PERMIT TO CONSTRUCT**

PART I: GENERAL FACILITY

1. Modifications or revisions of the approved documents or changes during construction of any landfill unit/cell requires approval by the Section, and may constitute a permit modification and be subject to a permitting fee.

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)

2. Pursuant to the NC Solid Waste Management Rules (Rule) 15A NCAC 13B .0201(c) and (e), this permit approves the continuing construction of Area 2 of the Piney Hill Acres LCID Landfill and Treatment and Processing Facility.
3. The landfill is permitted for a total gross capacity of 270,175 cubic yards. Gross capacity is the measured volume between the bottom of waste and the top of final cover. Development of the landfill is approved as summarized below:

LCID Landfill Unit	Total Waste Footprint (acres)	Approved Sub-Areas of 1 and 2.	Capacity (cu. yd.)
1. Area 1	1.95	1.95	
2. Existing Permitted LCID Landfill	2.88	Area 1 & 0.8668 acres of Area 2	112,182
3. Constructed & Approved LCID Landfill	3.05	Part of Area 2, 0.17	828
4. Future LCID Landfill (To Be Constructed)	2.23	Remaining Area 2	157,165
LCID Area 1 & 2 - Total	5.28		270,175

4. The following are required prior to receiving solid waste in any newly constructed certified area of Area 2:

- a. Written certification from a North Carolina Registered Professional Engineer must be submitted to the Section certifying that the waste disposal unit(s) has been constructed in accordance with the approved plans.
- b. A sign must be posted at the entrance as required by the NC Solid Waste Management Rules Operational Requirements, 15A NCAC 13B .0566(16).
- c. The disposal unit boundary must be accurately identified with permanent markers. A site inspection and pre-operative meeting must be conducted by a representative of the Section. The permittee must notify the Section's Environmental Senior Specialist and make arrangements for the site inspection and pre-operative meeting.
- d. 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 and that the unit(s) may commence receiving waste. The permittee will be copied on the notification and may begin receiving waste at that time.

Erosion and Sedimentation Control Requirements

5. All earth disturbing activities must be conducted in accordance with the Sedimentation Pollution Control Act of 1973 (15 NCAC 4) and consistent with any other local, state or federal requirements.
6. 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 404 of the Clean Water Act, as amended.
7. Modifications to the approved sedimentation and erosion control activities require approval by the North Carolina Land Quality Section. The permittee must notify the Section of any sedimentation and erosion control plan modifications.

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

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)

1. This Permit to Operate expires April 6, 2020. Pursuant to 15A NCAC 13B .0201(g), no later than September 6, 2015, 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 and Area 2's subcell 1 and 2 of the LCID Landfill. When the Permittee has complied with the conditions contained in Attachment 2, operation of the approved sections of Area 2 will be permitted. Area 1 and 2 have a total of 270,175 cubic yards of gross capacity in accordance with the approved plan referenced in Attachment 1, Part II, of this permit.
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. Wooden pallets as defined in the NCGS Article 9, Chapter 130A-290(44a) are not permitted for disposal. (see Item 29).
6. This facility is permitted to receive waste generated within Forsyth County and surrounding Counties. 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. An annual report meeting the requirements of G.S. 130A-309.09D (b) shall be submitted by August 1st of each year for the previous July 1 through June 30.
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 foot (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 VI: TRANSFER STATION / TREATMENT & PROCESSING UNIT(S)

PART VII: MISCELLANEOUS SOLID WASTE MANAGEMENT

General Conditions

21. All miscellaneous solid waste management activities must be managed within the facility in the areas identified in the approved plans. Management of solid waste in areas of the facility other than that referenced above, require written permission of the Solid Waste Section.

Operational Conditions – Treatment & Processing (Wood Grinding)

21. The facility is permitted to operate a treatment and processing facility as defined in 15A NCAC 13B, Rule .0101(49).
22. The facility is permitted to receive land clearing waste as defined in 15A NCAC 13B, Rule .0101(23).
23. The facility is permitted to receive wooden pallets constructed of unpainted and untreated natural wood.
24. The facility must manage the treatment and processing according to the Operation Plan included in Attachment 3, Part II: 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 North Carolina Division of Waste Management (DWM), Solid Waste Section, prior to implementation.

Operating Conditions - Large Type 1 Compost Facility

27. Only materials specifically listed in the permit application may be managed at this facility. A permit modification is required for a request to receive additional feedstocks.
28. The total capacity of the site is 45,000 cubic yards of materials received and composted per year. A permit modification is required for a request to increase capacity.
29. An appropriate Division of Water Resources (DWR) or Division of Energy, Mineral and Land Resources (DEMLR) permit for managing any stormwater or wastewater at the facility must be maintained as required. Any leachate generated at the facility and any runoff from the facility must be managed in such a manner that ground or surface water

- quality will not be adversely affected. The facility must be maintained to prevent the accumulation of stormwater and leachate on composting areas, storage areas, and roads.
30. 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 compost area.
 31. 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 404 of the Clean Water Act, as amended.
 32. Feedstocks must not be received that are in an anaerobic state.
 33. In the event of a mechanical failure, the facility must immediately use its best effort to utilize substitute equipment for completion of the composting operation.
 34. The odor management procedures must be followed to minimize odors at the facility boundary. Upon receipt of an odor complaint, the facility operator must investigate and take action as necessary to minimize the cause of the complaint. A copy of all written complaints regarding this facility must be maintained for the duration of the permit including the operator's actions taken to resolve the complaints.
 35. The facility must be operated in a manner that reduces the potential for vector attraction.
 36. The compost operation and the compost pad must be operated and maintained with sufficient dust control measures to minimize airborne emissions and to prevent dust from becoming a nuisance or safety hazard. Facility operation must meet Division of Air Quality Rules 15 NCAC 2D. Fugitive dust emissions from the facility that contribute to substantive complaints may subject the facility to the Division of Air Quality requirements as listed in 15A NCAC 2D .0540.
 37. Groundwater quality at this facility is subject to the classification, monitoring, and remedial action provisions of 15A NCAC 2L. Groundwater monitoring may be required if there is an indication for the potential for groundwater contamination.
 38. All compost produced at the facility must meet the requirements of Rule .1407 of the Solid Waste Compost Rules and the permit application.
 39. Windrow dimensions for active composting must be limited to a maximum of 10 feet high and 20 feet wide unless otherwise approved by the Section. Stockpiling of all feedstocks and finished product must be limited to a maximum of 30-feet high and 50-feet wide.
 40. An annual report of facility activities for the fiscal year July 1 to June 30 must be submitted to the Section by August 1 of each year on forms provided by the Section. This report must include the amount of materials composted in tons.

41. 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.
42. Trash and unacceptable wastes received at the site must be stored in containers and promptly removed from the site for proper disposal.
43. Compost temperature monitoring must be conducted at a frequency adequate to meet the requirements of Rule .1406 (10). Temperature monitoring data to meet rule requirements must be maintained in writing, and made available to the Section during business hours.
44. Thermometers used for documenting composting temperatures must be calibrated annually. Documentation of calibration must be kept in the facility records.
45. Windrow turning must not occur without consulting weather forecasts for favorable conditions including wind direction and precipitation.

- End of Permit Condition-