

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.s 4501 and 4504

HENDERSON COUNTY

is hereby issued a

PERMIT TO CONSTRUCT

Not Applicable

PERMIT TO OPERATE

4504T-TRANSFER-1998, Henderson County Transfer Facility
4504-HHW-2011, Henderson County HHW Unit
(Generator ID No. NCPH0450801))

PERMIT FOR CLOSURE

4501-MSWLF-1980, Henderson County Landfill
4501-CDLF-1998, Henderson County C&D Landfill

Located at *256 Transfer Station Road, near the City of Hendersonville, Henderson 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 of this permit.

Edward F. Mussler, III, P.E., Supervisor
Permitting Branch, Solid Waste Section
Division of Waste Management, NCDEQ

 Nothing ComparesSM

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ATTACHMENT 1
GENERAL PERMIT CONDITIONS/INFORMATION

PART I: GENERAL FACILITY

Permit to Operate Date Table

Permit	Status	Issuance	Expiration	DIN
4504T-TRANSFER-1998, Henderson County Transfer Facility	Active	August 30, 2016	April 12, 2021	26611
4504-HHW-2011, Henderson County HHW Unit (Generator ID No. NCPH0450801)	Active	August 30, 2016	April 12, 2021	26611
4501-MSWLF-1980, Henderson County Landfill	Closed	<i>Not Applicable</i>	April 11, 2006	472
4501-CDLF-1998, Henderson County C&D Landfill	Closed	<i>Not Applicable</i>	<i>Not Applicable</i>	26611

General Conditions

1. This permit is issued by the North Carolina Department of Environmental Quality, 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 Letter of Closure for the Henderson County Landfill dated April 11, 2006, was recorded in the Henderson County Register of Deeds on April 20, 2012, in Deed Book 1270, Pages 751-757. DIN 26635.
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 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 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 Management Facility

Henderson County, NC Register of Deeds			
Book	Page	Property Owner	Acres
1029	073	Henderson County	5.21±
613	175	Henderson County	5.78±
554	171	Henderson County	6.40±
450	127	Henderson County	0.41±
1381	308	Henderson County	6.96±
660	017	Henderson County	37.60±
218	159	Henderson County	61.89±
894	311	Henderson County	12.03±
Total Site Acreage: 136.55± acres			

PART II: MUNICIPAL SOLID WASTE LANDFILL UNIT(S)

4501-MSWLF-1980, Henderson County Landfill Permitting History

Permitting History

Permit Type	Date Issued	DIN
Permit to Operate, Original Issuance	December 11, 1980	26627
Permit to Operate, Addendum	May 7, 1982	26628
Permit to Operate, Amendment Demolition Disposal Area	October 24, 1991	26629
Letter of Closure	April 11, 2006	472

List of Documents for Approved Plan

The descriptions of previous/historical documents may be found in the Letter of Closure issued April 11, 2006 (DIN 472).

DIN	Description
17440	<i>Nature and Extent Study: Detections of Volatile Organic Compounds in Groundwater, Henderson County Closed Municipal Solid Waste Landfill Permit No. 45-01. Prepared for Henderson County. Prepared by Golder Associates. July 2012.</i>
17731	<i>Request for Extension for Submittal of Assessment of Corrective Measures for the MSW Landfill, Closed Henderson County Municipal Solid Waste Landfill Permit No. 45-01, Henderson County, North Carolina. Prepared for Henderson County. Prepared by Golder Associates. November 2012.</i>
19943	<i>Landfill Gas Remediation Plan – Phase 2, Closed Henderson County Municipal Solid Waste Landfill Permit No. 45-01, Henderson County, North Carolina. Prepared for Henderson County. Prepared by Golder Associates. September 2013.</i>
22936	<i>Landfill Gas Remediation Plan – Phase 2, Closed Henderson County Municipal Solid Waste Landfill Permit No. 45-01, Henderson County, North Carolina. Prepared for Henderson County. Prepared by Golder Associates. August 2015.</i>
23909	<i>Groundwater Corrective Action Permit Modification Application, Henderson County Closed MSW Landfill, Permit No. 45-01, Hendersonville, North Carolina. Prepared for Henderson County. Prepared by Golder Associates. March 2015.</i>
24715	<i>Corrective Action Plan, Henderson County Closed Municipal Solid Waste Landfill, Permit No. 45-01. Prepared for Henderson County. Prepared by Golder Associates. June 2015.</i>

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

4501-CDLF-1998, Henderson County C&D Landfill

Permitting History

Permit Type	Date Issued	DIN
Permit to Operate, Original Issuance	September 17, 1998	26631
Permit to Operate, Amendment	October 27, 1999	26632
Permit to Operate, Amendment	June 12, 2001	26634
Permit to Operate, Amendment	October 4, 2001	26633
Permit to Operate, Amendment	August 22, 2006	442
Permit for Closure	August 30, 2016	26611

List of Documents for Approved Plan

The descriptions of previous/historical documents may be found in the Permit to Operate issued August 22, 2006 (DIN 442).

DIN	Description
5068	<i>Closure Plan, Construction & Demolition Landfill Phase 1, Henderson County Landfill, Henderson County, North Carolina, Permit # 45-01. Prepared for Henderson County. Prepared by McGill Associates. June 2008.</i>

8938	<i>Closure Documentation, Henderson County Construction/Demolition Landfill, Permit #45-01, Henderson County, North Carolina. Prepared for Henderson County. Prepared by McGill Associates. November 2009.</i>
15231	<i>Assessment Monitoring Work Plan, Closed Henderson County Landfill, Permit No. 45-01, Henderson County, North Carolina. Prepared for Henderson County. Prepared by Golder Associates. January 2012.</i>
16100	<i>Landfill Gas Monitoring Plan for the Closed Construction and Demolition Landfill, Closed Henderson County Landfill, Permit No. 45-01, Henderson County, North Carolina. Prepared for Henderson County. Prepared by Golder Associates. January 2012.</i>

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)

4504T-TRANSFER-1998, Henderson County Transfer Facility
Permitting History

Permit Type	Date Issued	DIN
Permit to Construct/Permit to Operate, original issuance	July 29, 1997	5447
Commencement of Operations	May 1, 1998	5448
Permit to Operate, amendment	August 22, 2003	5449
Permit to Operate, amendment	March 21, 2006	5450
Permit to Operate, modification addition HHW	September 2, 2008	5491
Permit to Operate, modification improvements and expansion of on-site services	July 26, 2010	11096
Permit to Operate, modification of existing plans	November 30, 2010	12319
Permit to Operate, modification to approved disposal sites	December 14, 2010	12378
Permit to Operate, amendment five (5) year renewal	April 12, 2011	13594
Permit to Operate, amendment five (5) year renewal	August 30, 2016	26611

List of Documents for Approved Plan

The descriptions of previous/historical documents may be found in the Permit to Operate issued April 12, 2011 (DIN 13594).

DIN	Description
5454	<i>Operations Plan. Prepared by CDM. Prepared for Henderson County. February 2006.</i>
11095	<i>Request For Permit Modification, Capital Improvement Project, Stoney Mountain Road Landfill, Henderson County, North Carolina, Permit # 45-04-T. Prepared for Henderson County. Prepared by McGill. June 2010.</i>

11970	<i>Request for Permit Modification, Capital Improvement Project, Stoney Mountain Road Landfill, Henderson County, North Carolina, Permit # 45-04-T. Prepared for Henderson County. Prepared by McGill. October 2010.</i>
12377	<i>Permit modification for 45-04T Attachment 3, Part I, Condition No. 4 of the permit. Prepared by Henderson County. December 2010.</i>
13593	<i>Permit Renewal, Stoney Mountain Road Landfill, Solid Waste Transfer Station, Permit No. 45-04T, Henderson County, North Carolina. Prepared for Henderson County. Prepared by McGill Associates. Including Operation Plan Revisions December 2010 and April 2011.</i>
25938	<i>Henderson County Solid Waste Facility, Permit no. 45-04t, Permit Renewal Submission. Prepared by Henderson County. March 2016.</i>
26139	<i>Temporary location of material from Waste Stream Innovation to Henderson County Transfer Station, Permit # 4504T-Transfer-1998. Prepared by Henderson County. May 2016.</i>

4504-HHW-2011, Henderson County HHW Unit (Generator ID No. NCPH0450801)

Permitting History

Permit Type	Date Issued	DIN
Permit to Operate, original issuance	September 2, 2008	5491
Permit to Operate, amendment five (5) year renewal	August 30, 2016	26611

List of Documents for Approved Plan

DIN	Description
4620	<i>Site Specific Health and Safety Plan for Henderson County Household Hazardous Waste Facility. Prepared by Mountain Environmental Group. Prepared for Henderson County. January 2008.</i>
4622	<i>Application for Household Hazardous Waste Identification Number. Prepared by Mountain Environmental Group. Prepared for Henderson County. May 2008.</i>
5453	<i>Henderson County Household Hazardous Waste Facility, Operations Plan. Prepared by Mountain Environmental Group. Prepared for Henderson County. July 2008.</i>
25938	<i>Henderson County Solid Waste Facility, Permit no. 45-04t, Permit Renewal Submission. Prepared by Henderson County. March 2016.</i>

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. 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.
2. 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.
3. Copies of this permit, the approved plans, and all records required to be maintained in the operating record 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.
4. All forms, reports, maps, plans, and data submitted to the Section must include an electronic (pdf) copy.
5. Open burning of solid waste is prohibited. Fires must be reported to the Regional Waste Management Specialist within twenty-four (24) hours of the occurrence with a written notification to be submitted within fifteen (15) calendar days of the occurrence. Fire lanes must be maintained and passable at all times. Dimensions of the fire lanes must be coordinated with the Fire Marshall having jurisdiction over the site.
6. Processing of materials, shredding, or grinding must not take place at the facility unless approval has been granted under the special use permit and a revised operations plan has been submitted to the Solid Waste Section.
7. 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.
8. Interior roadways must be of all-weather construction and maintained in good condition.
9. 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 handling procedures, hours of operation, the permit number, and other pertinent information. Traffic or markers must be provided as necessary to promote an orderly traffic pattern to maintain efficient operating conditions.
10. The permittee must at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the permittee to achieve compliance with the conditions of the permit. Proper operation and maintenance includes effective performance, adequate funding, adequate operator staffing

and training, and adequate laboratory and process controls, including appropriate quality assurance procedures.

11. In the event of noncompliance with the permit, the permittee must take all reasonable steps to minimize releases to the environment, and must carry out such measures as are reasonable to prevent adverse impacts on human health or the environment.

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)

General

12. 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 G.S. 130A-309.25.
13. Those wastes listed in 15A NCAC 13B .1626 (l)(b-e) are prohibited from disposal at the facility and include at a minimum hazardous waste, yard trash, liquid wastes, regulated medical waste, sharps not properly packaged, regulated asbestos containing material as defined in 40 CFR 61, PCB waste as defined in 40 CFR 761, and wastes banned from disposal in North Carolina by G.S. 130A-309.10(f).
14. 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.
15. The permittee must develop and implement, a training and screening program at the facility for detecting and preventing unauthorized wastes from being accepted at the facility. At a minimum, the program must include:
 - a. Random inspections of incoming loads or other comparable procedures.
 - b. Records of all inspections.
 - c. Training of personnel to recognize hazardous, liquid and other excluded waste types.

- d. Development of a contingency plan to properly manage any identified hazardous, liquid, asbestos or other excluded or unauthorized wastes. The plan must address identification, removal, storage and final disposition of these wastes.
16. The facility must not cause nuisance conditions.
 - a. The tipping floor and transfer trailer loading area must be maintained in a clean, sanitary condition at all times and must be cleaned at least daily in accordance with the approved Operational Plan.
 - b. Waste must only be deposited on a “tipping floor” or directly into a transfer container. Waste must not be stored on the “tipping floor” after operating hours.
 - c. Waste may be stored on-site, in leak proof transfer trailers, with watertight covers, a maximum of 24 hours except that a minimal amount of waste may be stored for a maximum of 72 hours when the facility is closed during a weekend or holiday. Storage of the waste must not cause any nuisance, such as odor or attraction of vectors.
 - d. Effective vector control measures must be applied at all times to control any potential vectors including flies, rodents, insects, and other vermin.
 - e. Control measures must be utilized to minimize and eliminate visible dust emissions and blowing litter.
 - i) Fugitive dust emissions are prohibited.
 - ii) Windblown materials must be collected by the end of the day and no windblown material may be allowed to leave the facility boundary.
 17. All water or liquid that comes in contact with solid waste, including vehicle wash-down water, is leachate and must be captured and properly treated before release to the environment.
 - a. The leachate control system, such as floor drains, leachate collection devices, sanitary sewer connections, and leachate storage tanks, must be operational during facility operations.
 - b. The tipping floor must drain away from the building entrance and into the leachate collection system.
 - c. Waste must not be placed in ponded water.
 18. The permittee must maintain a record of the amount of solid waste received at the facility, including daily records of waste received and origins of the loads. The permittee must maintain a record of the amounts of waste transported out of the facility for disposal and amounts of waste or material with any other final disposition to be compiled on a monthly basis. The daily records are to be summarized into a monthly report for use in the required annual reports.
 19. 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.
 - a. The reporting period shall be for the previous year beginning July 1 and ending June 30.
 - b. The annual facility report must list the amount of waste received in tons and be compiled:
 - i) On a monthly basis.
 - ii) By county, city or transfer station of origin.

- iii) By specific waste type.
- iv) By receiving disposal facility.
- v) By diversion to alternative management facilities.
- c. The completed report must be forwarded to the Section Environmental Senior Specialist for the facility by the date due on the prescribed annual facility report form.
- d. A copy of the completed report must be forwarded to the county manager for each county from which waste was received the facility. Documentation that a copy of the report has been forwarded to the county managers must be sent to the Regional Environmental Specialist by the date due on the prescribed annual facility report form.

4504T-TRANSFER-1998, Henderson County Transfer Facility

- 20. The Permit to Operate shall expire April 26, 2021. Pursuant to 15A NCAC 13 B 0.0201(c), the permittee must submit a permit amendment application prepared in accordance with 15 A NCAC .0400 to the Section no later than October 12, 2020.
- 21. This Permit to Operate approves the continued operation of the current facility. The facility must be operated in accordance with the List of Documents for Approved Plan.
- 22. The transfer facility is permitted to receive "Municipal solid waste" as defined in NCGS 130A-290 (a)(18a).
- 23. This facility is permitted to receive municipal solid waste generated within Henderson County. Waste must be transported for disposal to the Upstate Regional Landfill, 868 Wildcat Road, Enoree, South Carolina. Proposed changes to the service area and/or the disposal facility must be approved by the Section

4504-HHW-2011, Henderson County HHW Unit (Generator ID No. NCPH0450801)

- 24. This permit is for operation of a Permanent Household Hazardous Waste Collection Unit.
- 25. This permanent household hazardous waste collection unit is permitted to receive household hazardous waste (HHW) generated by homeowners and conditionally exempt small quantity generators of Henderson County. Unacceptable HHW that shall not be collected at this facility includes radioactive waste, explosives, and infectious waste.
- 26. Any revisions to the approved plan shall be approved by the North Carolina Division of Waste Management (DWM), Solid Waste Section, prior to implementation.
- 27. This facility shall conform to all operating procedures in the approved plan, 15A NCAC 13B .0400, and the current Section policies and guidelines for HHW Collection Facilities.
- 28. Household Hazardous Waste Identification Number shall be used to ship wastes off site for recycling, treatment or disposal.
- 29. The permittee shall maintain records for the amount of HHW received at the facility and the amounts shipped off-site for recycling, treatment, and disposal. Records must be compiled on a monthly basis and maintained at the facility for inspection upon request by Solid Waste Section personnel.

30. On or before August 1 of each year, the permittee shall report to the Solid Waste Section, the amount of HHW waste (in pounds) received at this facility and the amounts shipped off-site for recycling, reuse, and/or disposal. The reporting period shall be for the previous year, beginning July 1 and ending June 30.
31. A copy of this permit and the approved plan shall be maintained at the facility. Copies of this permit shall be forwarded to the local fire department, local hospitals, and other appropriate emergency agencies.

PART VII: MISCELLANEOUS SOLID WASTE MANAGEMENT

General Conditions

24. 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.
25. 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.
26. 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.
27. 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.
28. Effective vector control measures shall be applied as necessary to control flies, rodents, insects, or vermin.
29. 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.

Type 1 Composting

30. This unit may receive only yard waste, silvicultural waste, untreated and unpainted wood waste.
31. This unit shall be operated in accordance with the approved plan and the operational requirements of 15A NCAC 13B .1406
32. Final product shall meet the label requirements of 15A NCAC 13B .1407(g).

White Goods

33. The facility is permitted to receive white goods as defined in North Carolina General Statute Article 9, Chapter 130A-290(44).
34. The facility must manage white goods according to the Operation Plan included in the List of Documents for the Approved Plan. Any revisions to the approved plan shall be approved by the Section, prior to implementation.

35. White goods collection areas shall provide for the proper removal of chlorofluorocarbon refrigerants.

Tires

36. The facility is permitted to receive tires and scrap tires as defined in North Carolina General Statute Article 9, Chapter 130A-309.53(6) & (7).
37. Scrap tire collection areas shall be operated in accordance with the requirements of 15A NCAC 13B, Rule .1107, except that Cleveland County may store up to 25,000 scrap tires as provided in 15A NCAC 13B .1105(g).
38. The facility must manage tires according to the Operation Plan included in the 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.
39. The facility must manage tires according to all applicable statutes and rules of the State of North Carolina.

Treatment & Processing (Wood Grinding)

40. The facility is permitted to operate a treatment and processing facility as defined in 15A NCAC 13B, Rule .0101(49).
41. The facility is permitted to receive land clearing waste as defined in 15A NCAC 13B, Rule .0101(23).
42. The facility is permitted to receive wooden pallets constructed of unpainted and untreated natural wood.
43. The facility is permitted to receive yard trash as defined in 15A NCAC 13B, Rule .0101(55). However, this ground material containing yard trash may not be distributed to the public unless it has been composted in accordance with Rule .1400.
44. The facility must manage the treatment and processing according to the Operation Plan included in the List of Documents for the Approved Plan. Any revisions to the approved plan shall be approved by the Section, prior to implementation.

- End of Section -

ATTACHMENT 4 CONDITIONS OF PERMIT FOR CLOSURE

PART I: GENERAL FACILITY

1. The landfill owner 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. Mowing of vegetation on the landfill cover is required at least once per year. Trees on the final cover must be removed at least once per year.
2. The owner must maintain permanent markers that accurately identify the edge of the waste disposal boundary.
3. Public access to the landfill must be prevented by gates, fences, and/or other measures. The owner must maintain the public access preventive measures during the post-closure period.
4. Any post-closure use of the property, including but not limited to, residential, commercial, industrial, agricultural, or recreational use, is subject to review and approval by the Section and must not disturb the integrity of the cap system, or the function of the monitoring systems. The Section may approve any other disturbance if the owner or operator submits a modified post-closure plan which describes the planned use of the property and demonstrates that disturbance of the cap system, including any removal of waste, will not increase the potential threat to human health or the environment. Post-closure uses approved by the Section will be included in the List of Approved Documents.
5. 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. 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.
6. The owner or operator must ensure that the landfill units do not violate any applicable requirements developed under a State Implementation Plan approved or promulgated by the U.S. EPA Administrator pursuant to Section 110 of the Clean Air Act, as amended.

Monitoring and Reporting Requirements

7. Groundwater quality at the facility is subject to “Classifications and Water Quality Standards Applicable to the Ground waters of North Carolina,” 15A NCAC 2L. This includes, but is not limited to, the provisions for detection monitoring, assessment, and corrective action.
8. Ground water monitoring wells and surface water sampling location(s) must be sampled on a semi-annual basis, in accordance with the current policies and guidelines of the Section in effect at the time of sampling, unless otherwise specified by the Section. Any proposed modification to an approved plan must be submitted to the Section and approved prior to implementation. Sampling equipment and methods must conform to specifications in the

“Solid Waste Section Guidelines for Groundwater, Soil, and Surface Water Sampling,” dated April 2008, available on the Section website.

9. Monitoring reports of the analytical results for surface water and groundwater monitoring sampling events must be submitted to the Section within 120 days of the sample collection date. The monitoring report must be submitted in electronic format (pdf or tiff) and the analytical data must be submitted in a spreadsheet format in an Electronic Data Deliverable (EDD) Template. All monitoring reports must contain at a minimum:
 - a. a USGS topographic map,
 - b. a potentiometric surface map for the current sampling event that also includes surface water sampling locations,
 - c. analytical NC certified laboratory reports with QA/QC information and summary tables,
 - d. a completed Solid Waste Environment Monitoring Data Form, and
 - e. laboratory data and field data submitted in accordance with the EDD Template.
10. The owner must monitor landfill gas to ensure that the closed site continues to meet the design standards for landfill gas found in 15A NCAC 13B .0503(2)(a). The concentration of explosive gases generated by the site must not exceed:
 - a. twenty-five percent of the limit for the gases in site structures (excluding gas control or recovery system components); and
 - b. the lower explosive limit for the gases at the property boundary.
11. Landfill gas monitoring must be conducted quarterly, unless otherwise specified by the Section. Landfill gas monitoring should follow “Landfill Gas Monitoring Guidance Document,” as provided on the Section webpage. Any proposed modification to an approved landfill gas monitoring plan must be submitted to the Section and approved prior to implementation.
12. All landfill gas monitoring must be conducted by properly trained personnel and must include monitoring for hydrogen sulfide. Landfill gas monitoring must include interior monitoring of onsite buildings. Landfill gas monitoring equipment must be calibrated according to the manufacturer’s specifications. Verification of the calibration of the landfill gas monitoring equipment is required. Landfill gas monitoring results must be recorded on forms provided by the Section and must be maintained within the facility’s operating record.
13. The owner must maintain the integrity of all groundwater and landfill gas monitoring wells, including making repairs to well heads, covers, and surface pads and make sure all wells are locked, during the post-closure period.
14. A readily accessible unobstructed path must be maintained so that groundwater and landfill gas monitoring wells and surface water sampling locations are accessible using four-wheel drive vehicles.
15. Each groundwater monitoring well and landfill gas well must be surveyed for location and elevation. Each groundwater monitoring well and landfill gas monitoring well must have an identification plate permanently attached to the well, in accordance with 15A NCAC 2C .0108(o).

16. If a new well is required to be installed, either to add to the network or to replace an existing well, or if a well is required to be abandoned:
 - a. The permittee must obtain approval from the Section for the design, installation, and abandonment of any groundwater or landfill gas monitoring well. A licensed geologist must be present to supervise the installation of groundwater monitoring wells and landfill gas monitoring wells. The exact locations, screened intervals, and nesting of the wells must be established after consultation with the Section Hydrogeologist at the time of well installation.
 - b. Within 30 days of completed construction of each new groundwater and landfill gas monitoring well, a well construction record, well schematic, boring log, field log and notes, and description of well development activities must be submitted to the Section. Form GW-1 must be used for both groundwater and landfill gas wells. The submittal must also include a scaled topographic map, showing the location and identification of new, existing, and abandoned wells and piezometers, and hydraulic conductivity and effective porosity values.
 - c. Hydraulic conductivity and effective porosity values must be established for each screened interval at each monitoring well in order to develop groundwater flow characteristics.
 - d. Within thirty (30) days of the abandonment of any groundwater monitoring well, the well abandonment record (GW-30 form) and any additional information included in the abandonment record must be certified by a Licensed Geologist, and submitted to the Section. A copy of the well abandonment records submitted to the Division of Water Quality, consistent with 15A NCAC 2C .0114(b), must be submitted to the Section.
 - e. Within thirty (30) days of the abandonment of a landfill gas monitoring well, an abandonment record must be submitted to the Section. The boring must be abandoned in accordance with 15A NCAC 2C .0113(d) and be certified by a Licensed Geologist.

Reporting and Recordkeeping

17. Documentation of well completion, development details, repair, abandonment, and all other pertinent activities associated with each groundwater and landfill gas monitoring well must be maintained in the facility operating record. The permittee must maintain a record of all groundwater, surface water, and landfill gas monitoring events and analytical data in the operating record.
18. Copies of this permit, the approved plans, and all records required to be maintained in the operating record by the permittee must be maintained at a location approved by the Section and made available to the Section upon request during normal business hours.
19. All forms, reports, maps, plans, and data submitted to the Section must include an electronic (pdf) copy.

PART II: MUNICIPAL SOLID WASTE LANDFILL UNIT(S)
4501-MSWLF-1980, Henderson County Landfill Permitting History
Specific Conditions

20. The owner must provide post-closure care and monitoring for the landfill. The post-closure period began December 2004. After at least five years of post-closure care and monitoring, the landfill owner may submit a written request to modify or discontinue post-closure care and monitoring, depending upon the results of the previous monitoring. However, the owner must continue to conduct water quality monitoring, landfill gas monitoring, and post-closure care until the Section provides written approval to discontinue monitoring and/or post-closure care.
21. The MSW landfill stopped receiving waste on December 1997.

PART III: CONSTRUCTION AND DEMOLITION DEBRIS LANDFILL UNIT(S)
4501-CDLF-1998, Henderson County C&D Landfill

Specific Conditions

22. The owner must provide post-closure care and monitoring for the landfill. The post-closure period began November 17, 2009. After at least five years of post-closure care and monitoring, the landfill owner may submit a written request to modify or discontinue post-closure care and monitoring, depending upon the results of the previous monitoring. However, the owner must continue to conduct water quality monitoring, landfill gas monitoring, and post-closure care until the Section provides written approval to discontinue monitoring and/or post-closure care.
23. The C&D landfill stopped receiving waste on June 30, 2008.
24. Any proposed expansion to the closed C&D landfill unit will be considered a new landfill for purposes of Solid Waste Management permitting.

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 Conditions -