Permit No.	Scan Date	DIN
4501-CDLF-1998	August 15, 2016	26634

North Carolina
Department of Environment and Natural Resources

Division of Waste Management

Michael F. Easley, Governor
William G. Ross Jr., Secretary
William L. Meyer, Director

NCDENR

June 12, 2001

Mr. Gary Tweed, P.E.
Henderson County
802 Stoney Mountain Road
Hendersonville, North Carolina 28791

Subject: Henderson County Construction and Demolition Debris Landfill - Amendment to the MSWLF Facility adjacent to the closed landfill: Permit No. 45-01

Dear Mr. Tweed:

The Solid Waste Section approves the application for the proposed Construction and Demolition Debris Landfill. The referenced MSWLF Facility permit is amended to allow construction of a 2.7 acre CONSTRUCTION & DEMOLITION LANDFILL UNIT (in accordance the approved plans) at the Henderson County landfill adjacent to the closed MSW landfill. Please note that future disposal units at this facility are unlikely and that a new site should be found if Henderson County elects to continue landfilling C&D material.

Enclosed please find a solid waste Permit to Construct and the accompanying conditions for the subject facility, issued in accordance with N.C.G.S. 130A-294 and the NC Solid Waste Management Rules. This permit is for a five year period from the date in which the Permit to Operate is issued. Once the requirements outlined in Construction and Operations Condition 10(a-d) are met, the Division will issue a Permit to Operate.

Please review the conditions of permit carefully. If you have any questions or comments about the enclosed permit, please feel free to contact me at (336) 771-4608 ext. 204 or the Solid Waste Specialist for your area, Mr. Jim Patterson, in the Asheville Regional Office at (828) 251-6208.

Sincerely,

Timothy A. Jewett
Western Area Engineer
Solid Waste Section

cc: Jim Coffey, SWS
Brent Rockett, SWS
Jim Patterson, SWS
Bill Taylor, Camp Dresser & McKee
Raleigh Central Office: Henderson County Facility, Permit No. 45-01

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PERMIT NO. 45-01
MODIFICATION: 17 September 1998
AMENDMENT 1: 27 October 1999
AMENDMENT 2: 12 June 2001

STATE OF NORTH CAROLINA

DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES

DIVISION OF WASTE MANAGEMENT

SOLID WASTE PERMIT

HENDERSON COUNTY

is hereby issued a permit to CONSTRUCT a 2.7 Acre

Construction and Demolition Landfill Unit

located on Stoney Mountain Road (SR 1758), at the Henderson County Landfill, in Hendersonville, 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.

James C Coffey

James C. Coffey
Section Chief
Solid Waste Section

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PERMIT NO. 45-01
MODIFICATION DATED: 09/17/98
AMENDMENT 1: 27 October 1999
AMENDMENT 2: 12 June 2001

HENDERSON COUNTY LANDFILL

SOLID WASTE PERMIT
CONSTRUCTION AND DEMOLITION DEBRIS LANDFILL UNIT

CONDITIONS OF PERMIT:

GENERAL:

1. When this property is sold, leased, conveyed or transferred, the deed or other instrument of transfer shall contain in the description section in no smaller type than that used in the body of the deed or instrument, a statement that the property has been used as a sanitary landfill.

2. This permit will be subject to review every five years, as per 15A NCAC 13B .0201, according to the issuance date of the permit to operate. Modifications to the facility may be required in accordance with rules in effect at the time of review.

3. The approved plan is described by Attachment 1, "List of Documents for Approved Plan". Where discrepancies may exist, the most recent submittal and the Conditions of Permit shall govern. Some components of the approved plan are reiterated in the Conditions of Permit.

4. This permit is not transferable.

5. A copy of this permit, the approved plans, and all pertinent records shall be maintained on-site at the facility and made available to the Solid Waste Section (SWS) upon request.

6. If during the operational life of the C&D unit it becomes apparent that the operations at the facility are impacting ground water adversely, the Solid Waste Section will require landfilling activities to cease and closure of the operating unit.

7. The owner/operator is responsible for obtaining any and 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.

CONSTRUCTION AND OPERATION:

8. This permit is for development of the Henderson County Construction and Demolition Debris Landfill Unit, 2.7Acre Area east of the old Henderson County MSW Landfill in accordance with the approved plan (the Application for a C&D Disposal Facility dated 30 June 1999, Construction Drawings, the Facility Plan, and revisions from Camp Dresser & McKee).

9. All sedimentation/erosion control activities will be conducted in accordance with the Sedimentation Control Act codified at 15 NCAC 4. Native vegetation shall be established on the completed landfill.

10. The following requirements shall be met prior to operation of each phase at this facility:

    a. Henderson County or its consultant shall provide documentation to the SWS that site preparation (grading, placement of fill if applicable, etc.) has occurred in accordance with the construction plan and the conditions specified herein.
    b. Signs shall be posted at the facility in accordance with NC Solid Waste Management Rules and the Access and Safety Requirements under Operation Condition No. 11 listed below.
    c. Site inspection shall be made by a representative of the Division.
    d. Groundwater monitoring wells shall be installed in accordance with the approved groundwater monitoring plan. A baseline sampling event for background water quality shall be performed. (See Monitoring and Reporting Condition #15(d) and (e).)

11. Operation of the facility shall occur in accordance with the NC Solid Waste Management Rules 15A NCAC 13B .0505, "Operational Requirements for Sanitary Landfills", the approved Operations Plan, and the following specific conditions:

    Waste Acceptance and Disposal

    a. This solid waste management facility is permitted to receive only the following:
        i. Land-clearing debris as defined in G.S. 130A-290, specifically, solid waste which is generated solely from land-clearing activities, such as stumps, trees, etc.;
        ii. Inert debris defined as solid waste which consists solely of material that is virtually inert, such as brick, concrete, rock and clean soil;
        iii. Asphalt in accordance with G.S. 130-294(m);
        iv. Construction and demolition debris defined as solid waste resulting solely from construction, remodeling, repair or demolition operations on pavement, buildings, or other structures.

    Note: Yard trash defined as solid waste consisting solely of vegetative matter resulting from landscaping maintenance (see G.S. 130A-290) is banned from disposal in this facility as per NC General Statutes. However, yard trash, along with land-clearing debris, may be accepted for processing in a Yard Waste Composting Area.

    b. No municipal solid waste, hazardous waste, industrial waste, liquid waste or waste not characterized as LCID or C&D shall be accepted for disposal.

c. The permittee shall implement a program at the facility for detecting and preventing the disposal wastes listed in item "b" of this section. The program shall include, at a minimum:
   (i) Random inspections of incoming loads or other comparable procedures;
   (ii) Record keeping that documents these inspections;
   (iii) Training of personnel to recognize hazardous, liquid and other unauthorized wastes;
   (iv) Development of a contingency plan to properly manage any identified wastes listed in item "b" of this section; the plan must address identification, removal, storage, and final disposition of waste.

Cover Material Requirements

d. Operational soil cover of at least six inches shall be placed at least once per week or when the active area reaches ½ acre in size or more often as necessitated by the nature of the waste to prevent the site from becoming a visual nuisance and to prevent fire, windblown materials, vectors or water infiltration.
e. Areas which will not have additional waste placed on them for 12 months or more, but where final termination of operations has not occurred, shall be covered with a minimum of one foot of soil cover.
f. Within six months after final termination of disposal operations at the site or major part thereof, or upon revocation of a permit, the fill areas shall be covered with a cap in accordance with the rules at the time of closure.

Access and Safety

g. The facility shall be adequately secured by means of gates, chains, berms, fences, or other security measures approved by the Section to prevent unauthorized entry.
h. An attendant shall be on duty at the site at all times while it is open for public use to ensure compliance with operational requirements.
i. The access road to the site shall be of all-weather construction and maintained in good condition.
j. Dust control measures shall be implemented when necessary.
k. Signs providing information on dumping procedures, the hours of operation, the permit number, and other pertinent information shall be posted at the site entrance.
l. Signs shall be posted stating that no MSW, hazardous waste or liquid waste can be received.
m. Traffic signs or markers shall be provided as necessary to promote an orderly traffic pattern to and from the discharge area and to maintain efficient operating conditions.
n. The removal of solid waste from the facility is prohibited unless the owner/operator approves and the removal is not performed on the working face.
o. Barrels and drums shall not be disposed of unless they are empty and perforated sufficiently to ensure that no liquid or hazardous waste is contained therein, except fiber drums containing asbestos.

p. Open burning of solid waste is prohibited.
q. The concentration of explosive gases generated at the facility shall not exceed:
   i. twenty-five percent of the limit for gases in site structures (excluding gas control or recovery system components) and
   ii. the lower explosive limit for gases at the facility boundary.

Erosion and Sedimentation Control

r. Adequate sedimentation and erosion control measures shall be practiced to prevent silt from leaving the site.
s. Adequate sedimentation and erosion control measures shall be practiced to prevent excessive on-site erosion.
t. Provisions for a vegetative ground cover sufficient to restrain erosion must be accomplished within 30 working days or 120 calendar days upon completion of any phase of C&D landfill development.

Drainage Control and Water Protection Requirements

u. Surface water shall be diverted from the operational area.
v. Surface water shall not be impounded over or in waste.
w. A separation distance of at least four feet shall be maintained between waste and the ground-water table.
x. Solid waste shall not be disposed of in water.
y. Leachate shall be contained on site or properly treated prior to discharge. An NPDES permit may be required prior to discharge of leachate to surface waters.

12. All pertinent landfill operating personnel will receive training and supervision necessary to properly operate this landfill.

13. Ground water quality at this facility is subject to the classification and standards referenced in 15A NCAC 2L. Remedial action is required if theses standards are exceeded.

14. A closure and post-closure plan must be submitted for approval at least 90 days prior to closure or partial closure of any landfill unit. The plan must include all steps and measures necessary to close and maintain the facility in accordance with all rules in effect at that time. At a minimum, the plan shall address the following:

a. Design of a final cover system;
b. Construction and maintenance/operation of the final cover system and erosion control structures.
c. Surface water, ground water, and explosive gas monitoring.

MONITORING AND REPORTING REQUIREMENTS:

15. Ground-water monitoring wells and monitoring requirements for the C&D landfill units shall be in accordance with the monitoring system approved for the facility and these additional conditions:

    a. The permittee shall sample the monitoring wells on a semi-annual basis, or as directed by the SWS Hydrogeologist.
    b. Sampling methods and equipment shall conform to specifications found in Attachment 2, "North Carolina Water Quality Monitoring Guidance Document for Solid Waste Facilities". Sampling parameters shall conform to those found in Attachment 3, "Sampling and Analysis Requirements".
    c. The permittee shall maintain a record of all monitoring events and analytical data. Reports of the analytical data for each sampling event shall be submitted to the Division in a timely manner.
    d. Prior to the acceptance of waste, a background sampling event shall be performed. The results of this sampling event shall be submitted to the Section Hydrogeologist in a timely manner. (See Construction and Operation Condition 10(d).)
    e. Well completion records and boring logs shall be submitted to the Division at the same time as the results of the initial sampling event (See Construction and Operation Condition 10(d)).
    f. A geologist shall be in the field to supervise well installation, if necessary. The exact locations, screened intervals, and nesting of the wells shall be established after consultation with the SWS Hydrogeologist at the time of well installation for new monitoring wells.
    g. A readily accessible unobstructed path shall be initially cleared and maintained so that four-wheel drive vehicles may access the monitoring wells at all times.

16. The permittee shall maintain a record of all monitoring events and analytical data. Reports of the analytical data for each water quality monitoring sampling event shall be submitted to the Section in a timely manner.

17. Explosive gas monitoring shall be performed as needed to ensure compliance with the standards in Rule .0503 (2)(a).

18. The permittee shall maintain a record of the amount of solid waste received at the facility, compiled on a monthly basis. Scales shall be used to weigh the amount of waste received.

19. On or before 01 August of each year (or an earlier date as requested by the Solid Waste Section), the permittee shall report the amount of waste received (in tons) at this facility and disposed of in the landfill to the Solid Waste Section and to all counties from which waste was accepted, on forms prescribed by the Section. This report shall include the following information:

a. The reporting period shall be for the previous year, beginning 01 July and ending on 30 June.

b. The amount of waste received and landfilled in tons, compiled on a monthly basis, according to Condition 4 described above, and

c. Documentation that a copy of the report has been forwarded to all counties from which waste was accepted.

ATTACHMENT 1

List of Additional Documents for Permi No. 45-01:

1. "Application for Construction and Demolition Debris Disposal Facility on Top of Closed Henderson County MSW Landfill" dated 24 June 1998 from Camp Dresser & McKee.

2. "Construction Quality Assurance Report, Partial Closure of the Henderson County Sanitary Landfill" dated 19 June 1998 from Camp Dresser & McKee for the top portion of the Henderson County MSW Landfill.

3. Letter dated 25 October 1999 from Camp Dresser & McKee with revised grading plan (Sheet C-2) requesting expansion of the C&D footprint atop the old MSW Landfill.

4. "Henderson County, North Carolina: Construction and Demolition Debris Landfill Construction Permit Application" dated 30 June 1999 from Camp Dresser & McKee requesting approval for a separate C&D landfill encompassing approximately 6.5 acres in two phases.

5. Letter dated 26 August 1999 from Camp Dresser & McKee with revised grading plan (Sheet C-2) requesting revisions to the base grades to save on earthwork expenses.

6. Letter dated 6 October 1999 to Bill Tayler of Camp Dresser & McKee from Gary Tweed (Henderson County) including Resolution adopted by the Board of Commissioners, erosion control approval, aerial tax map showing new homes closest to the proposed C&D area, and site approval for the use of the area as a borrow pit.

7. Submittal dated 3 April 2000 from Camp Dresser & McKee including response to comments for the application referenced in item #4 above.

8. Letter dated 13 July 2000 to Gary Tweed (Henderson County) from the Solid Waste Section stating that the hydrogeology of the site indicates that a C&D landfill would be inappropriate.

9. Submittal dated 5 February 2001 from Camp Dresser & McKee titled "Stoney Mountain Road C&D Landfill Additional Hydrogeologic Investigation" providing additional information to demonstrate the suitability of the site for a C&D landfill.

10. Submittal dated 7 February 2001 from Camp Dresser & McKee including revisions to the Facility Plan, Water Quality Monitoring Plan, and Permit Drawings for the facility proposed in item #4 above and reducing the size of the C&D to a one phase 2.7 acre facility.

11. Submittal dated 15 March 2001 from Camp Dresser & McKee including revisions to the Facility Plan, Water Quality Monitoring Plan, and Permit Drawings for the facility proposed in item #4 above based on additional comments (date 7 March 2001) from the Section.

ATTACHMENT 1

List of Additional Documents for Permi No. 45-01 (continued):

12. Submittal dated 3 April 2001 from Camp Dresser & McKee including revisions to Section 3 Water Quality Monitoring Plan and drawing Sheet 3-1 for the facility proposed in item #4 above.