



NORTH CAROLINA DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES

Dexter R. Matthews, Director

Division of Waste Management

Michael F. Easley, Governor
William G. Ross Jr., Secretary

November 2, 2005

Bob Hunter, Director
Buncombe County Solid Waste Services
2229 Riverside Drive
Asheville, North Carolina 28801

Re: Buncombe County Municipal Solid Waste Landfill, Permit to Construct, C&D Landfill
Phase 4 Expansion. Permit #11-07

Mr. Hunter:

Enclosed please find a Permit to Construct for the Buncombe County Landfill Facility. This permit approves the construction of the C&D Debris Landfill Phase 4 Expansion within the facility. This Permit to Operate also amends the previous Permit to Construct issued for the MSW Landfill, Cell 6 issued March 10, 2005.

This permit does not require recordation. The permit condition requiring recordation has been complied with via the original facility permit.

Please note the specific conditions regarding the C&D units at the facility under Attachment 2, Part III of this permit. Per Condition #21 of this permit, please coordinate a pre-construction meeting with Al Hetzell of the Asheville Regional Office to go over the construction schedule and any specific issues related to the C&D Phase 4 Expansion.

If you have any questions, please feel free to contact me at 336-771-4608 ext. 337 or Al Hetzell in the Asheville Regional Office at 828-296-4701.

Sincerely,

Tim Jewett
Western Area Engineer

copy: James C. Coffey - DWM

Ed Mussler - DWM

Al Hetzell - DWM

Kenton Yang, PE- CDM

Raleigh Central File: Buncombe County Permit No.11-07

1646 Mail Service Center, Raleigh, North Carolina 27699-1646
Phone 919-508-8400 \ FAX 919-733-4810 \ Internet <http://wastenotnc.org>



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Part 1 - Permit to Construct
Date of Original Issue: November 7, 1995
C&D Amendment: November 25, 1997
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MSW Cell 3 Alternate Liner Amendment: December 14, 1998
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**MUNICIPAL SOLID WASTE LANDFILL
FACILITY PERMIT**

BUNCOMBE COUNTY

is hereby issued a PERMIT to CONSTRUCT
CONSTRUCTION AND DEMOLITION LANDFILL UNIT
Phase 4 Expansion

located on Panther Branch Road, North Carolina State Road 1745, Buncombe 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 facility is located and described by the legal description of the site or the property map contained within the approved application.

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

1646 Mail Service Center, Raleigh, North Carolina 27699-1646
Phone 919-508-8400 \ FAX 919-733-4810 \ Internet <http://wastenotnc.org>

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ATTACHMENT 1

Approved Documents

PART I: GENERAL FACILITY

PART II: MUNICIPAL SOLID WASTE LANDFILL

1. *Buncombe County Solid Waste Management Facility, Permit Amendment Application, Volume 1 of 2, dated November, 1999, prepared by Camp Dresser & McKee.*
2. *Buncombe County Solid Waste Management Facility, Permit Amendment Application, Volume 2 of 2, dated November, 1999, prepared by Camp Dresser & McKee.*
3. *Plans entitled Engineering Plan, Buncombe County Solid Waste Management Facility, Permit Amendment Application - Phase 2 (Cells 4 and 5), dated November, 1999, prepared by Camp Dresser & McKee.*
4. *Buncombe County Solid Waste Management Facility, Permit Amendment Application, Cells 4 and 5 - Design Hydrogeologic Report, revised February 2000, prepared by Camp Dresser & McKee.*
5. *Buncombe County Solid Waste Management Facility, Permit Amendment Application, Cells 4 and 5 - Water Quality Monitoring Plan, revised February 2000, prepared by Camp Dresser & McKee.*
6. *Supplement Information for Permit Amendment Application - Phase II (Cells 4-5), Design Hydrogeologic Report, Buncombe County Solid Waste Management Facility, Permit No. 11-07, dated May 18, 2000, prepared by Camp Dresser & McKee.*
7. *Response To Comments, Permit Amendment Application - Cells 4-5, Design Hydrogeologic Report, Buncombe County Solid Waste Management Facility, Permit No. 11-07, dated May 23, 2000, prepared by Camp Dresser & McKee.*
8. *Buncombe County Solid Waste Management Facility, Permit to Construction Application, Volume 1 of 2, dated December 2004, prepared by Camp Dresser & McKee.*
9. *Buncombe County Solid Waste Management Facility, Permit to Construction Application, Volume 2 of 2, dated December 2004, prepared by Camp Dresser & McKee.*

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10. Plans entitled Engineering Plan - Phase 3 (Cell 6), Buncombe County Solid Waste Management Facility, dated December 2004, prepared by Camp Dresser & McKee.
11. Response To Comments, *Application for Permit to Construct, Phase III, Buncombe County Landfill, Design Hydrogeologic Study - Preliminary Review Comments, Permit No. 11-07*, dated January 7, 2005, prepared by Camp Dresser & McKee.
12. Response To Comments, *Application for Permit to Construct, Phase III, Buncombe County Landfill, Design Hydrogeologic Study - Additional Review Comments, Permit No. 11-07*, dated January 18, 2005, prepared by Camp Dresser & McKee.
13. *Buncombe County North Carolina, Buncombe County Solid Waste Management Facility, Permit to Construct Application for Phase III, CDM Project No. 6447-45139, Response to Comments*, dated March 9, 2005, prepared by Camp Dresser & McKee.

PART III: CONSTRUCTION AND DEMOLITION LANDFILL

5. *Buncombe County North Carolina, Buncombe County Solid Waste Management Facility, Construction and Demolition Debris Landfill Phase 4 Expansion, Permit Application*. Prepared by: Camp Dresser & McKee, Raleigh, NC. Dated June 2, 2005 as amended through October 28, 2005.

PART IV: LAND CLEARING AND INERT DEBRIS LANDFILL

(Not Applicable)

PART V: COMPOSTING

(Not Applicable)

PART VI: MISCELLANEOUS FACILITIES

(Not Applicable)

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ATTACHMENT 2

Conditions of Permit to Construct

PART I: GENERAL FACILITY

GENERAL FACILITY CONDITIONS

1. This permit approves the Facility Plan which in accordance with 15 NCAC 13B .1619 defines the comprehensive development of the facility including the total municipal solid waste landfill capacity, the municipal solid waste stream, all on site solid waste management facilities and related facility infrastructure.
2. The approved plans are described in Attachment 1, "Approved Documents." Where discrepancies may exist, the most recent approved submittal and Conditions of Permit shall govern.
3. The facility has an approved total volume capacity of approximately 8,503,820 cubic yards consistent with the approved final contours. A 4:1 waste to cover ratio yields a facility waste disposal capacity of approximately 6,803,056 cubic yards. Actual waste disposal capacity may vary depending upon amount and type of operational cover.
4. Construction of cells within each phase and subsequent phases shall be in accordance with the Division approved plans.
5. The landfill is permitted to receive solid waste as defined in North Carolina General Statute Article 9 Chapter 130A-290(a)(35) generated within Buncombe County, except where prohibited by North Carolina General Statutes Article 9 of Chapter 130A, and rules adopted by the Commission for Health Services.
6. The owner or operator of a municipal solid waste management facility that is owned or operated by a unit of local government shall not knowingly dispose of any type or form of 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 solid waste.

7. This facility is subject to the requirements of all applicable sections of the most recent version of the North Carolina Solid Waste Management Rules, 15A NCAC 13B and the specific conditions contained herein.
8. This facility shall conform to the specific conditions set forth in this permit and the provisions of 15A NCAC 13B .1604(b)(2).
9. This facility permit is issued under the criteria set forth in 15A NCAC 13B.1603(a)(1). Any facility changes that effect these criteria may require a new permit.
10. Buncombe County shall submit an amendment to this permit pursuant to 15A NCAC 13B.1603(a)(2) for any subsequent phase of development.

FACILITY CONSTRUCTION CONDITIONS

FACILITY PRE-OPERATIONAL CONDITIONS

11. Prior to receiving waste at any unit, cell, or phase of this facility, a Permit to Operate, must be obtained from the Solid Waste Section in accordance with 15A NCAC 13B .0201(b).
12. The following requirements shall be met prior to waste disposal for any unit, cell, or phase of this facility:
 - a. Site preparation shall be in accordance with the approved plans, and the conditions specified herein.
 - b. Site inspection shall be made by a representative of the Solid Waste Section.
 - c. Prior to waste disposal for any unit, a pre-operative meeting shall be held on-site with key landfill personnel and representatives of the Solid Waste Section.
 - d. Financial Assurance, as required by 15A NCAC 13B.1628, shall be in place.
13. Ground water monitoring wells and surface water sampling locations shall be sampled for the Appendix I constituent list prior to issuing the Permit to Operate.

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PART II: MUNICIPAL WASTE LANDFILL UNIT SPECIFIC CONDITIONS

CONSTRUCTION CONDITIONS

14. The approved plans are described in Attachment 1, "Approved Documents," Part II. Where discrepancies may exist, the most recent approved submittal and Conditions of Permit shall govern.
15. Buncombe County shall conduct a pre-construction meeting, on-site, prior to initiating construction of any unit at the site and shall notify the Solid Waste Section 10 days prior to said meeting.
16. Construction of all solid waste management units within this facility shall be in accordance with the pertinent approved plans and only for those phases of development approved for construction as described in Attachment 1, "Approved Documents," Part II, Documents 8-13.
17. Additional conditions and revisions of the approved documents or changes during construction of any landfill unit require approval by the North Carolina Solid Waste Section.
18. Any modifications in sedimentation and erosion control activities require approval by the North Carolina Division of Land Quality. The Solid Waste Section shall be notified of any sedimentation and erosion control modifications.
19. The owner's geologist shall examine the cell excavation and note any pertinent geologic features exposed during the construction process and shall notify the Solid Waste Section Hydrogeologist of these findings prior to the placement of any liner materials.
20. The owner's geologist shall be in the field to supervise all well installations. Any modifications to the approved water quality monitoring plan require approval by the Section Hydrogeologist. Documentation of all changes to the approved plan shall be submitted with the well construction records.
21. For each monitoring well constructed, a well construction record, well schematic, boring log and a description of well development activities shall be submitted to the Section within 30 days upon well completion.

PRE-OPERATIONAL CONDITIONS

(see Facility Pre-Operational Conditions above)

PART III: CONSTRUCTION AND DEMOLITION DEBRIS UNIT SPECIFIC CONDITIONS

19. This permit approves the development and construction of Phase 4 Expansion of the Construction and Demolition debris landfill unit, consisting of an additional 340,000 cubic yards capacity and making the total permitted capacity for the C&D Unit 704,762 cubic yards, and the on-site environmental management and protection facilities as described in the approved plans.
20. The approved plans are described in Attachment 1, "Approved Documents," Part III. Where discrepancies may exist, the most recent approved submittal and Conditions of Permit shall govern.
21. Buncombe County shall conduct a pre-construction meeting, on-site, prior to initiating construction of any unit at the site and shall notify the Solid Waste Section 10 days prior to said meeting.
22. Construction of all solid waste management units within this facility shall be in accordance with the pertinent approved plans and only for those phases of development approved for construction as described in Attachment 1, "Approved Documents," Part III, Documents 5.
23. Additional conditions and revisions of the approved documents or changes during construction of any landfill unit require approval by the North Carolina Solid Waste Section.
24. Any modifications in sedimentation and erosion control activities require approval by the North Carolina Division of Land Quality. The Solid Waste Section shall be notified of any sedimentation and erosion control modifications
25. Buffer zones are as established in the approved plans. Division approval is required for use of buffer zones other than as described in the approved plans.
26. Buncombe County must obtain a Permit to Operate for Phase 4 of this unit prior to acceptance and disposal of construction and demolition debris in this unit. Construction Quality Assurance documentation shall be provided to verify that the unit is constructed as specified in Attachment 1, "Approved Documents," Part III, Document 5.
27. Ground water monitoring wells and surface water sampling locations shall be sampled in accordance with the approved plans prior to issuing a Permit to Operate.
28. The owner's geologist shall examine the cell excavation and note any pertinent geologic features exposed during the construction process and shall notify the Solid Waste Section Hydrogeologist of the findings in writing.
29. Inspection and certification of the sub-grade, by the owner's hydrogeologist, shall be made to determine that sub-grade conditions are consistent with the observations made during the site

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investigations and information provided in the hydrogeology report. If conditions are found to be different than conditions reported in the permit application or that would impact or have effect on the proposed ground water monitoring system, then a revised ground water monitoring plan will be required.

30. No blasting shall take place on the site unless a pre-blast survey is performed and a blasting plan is submitted to the Solid Waste Section for review and concurrence.
31. The owner's geologist shall be in the field to supervise all well installations. Any modifications to the approved water quality monitoring plan require approval by the Section Hydrogeologist. Documentation of all changes to the approved monitoring plan shall be submitted with the well construction records.
32. For each monitoring well constructed, a well construction record, well schematic, boring log, and a description of well development activities shall be submitted to the Section within 30 days upon well completion.

PRE-OPERATIONAL CONDITIONS

(See Facility Pre-Operational Conditions above)

PART IV: LAND CLEARING AND INERT DEBRIS UNIT SPECIFIC CONDITIONS

(Not Applicable)

PART V: COMPOST UNIT SPECIFIC CONDITIONS

(Not Applicable)

PART VI: MISCELLANEOUS UNIT SPECIFIC CONDITIONS

(Not Applicable)