



Facility Permit No: 58-03
Madison County MSWLF Facility
Modification-Permit to Construct
C&DLF Unit 2
May 3, 2006
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**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

**STATE OF NORTH CAROLINA
DEPARTMENT OF ENVIRONMENT
AND NATURAL RESOURCES
DIVISION OF WASTE MANAGEMENT**

**MUNICIPAL SOLID WASTE LANDFILL
FACILITY PERMIT**

MADISON COUNTY
is hereby issued a

PERMIT TO CONSTRUCT
A

CONSTRUCTION AND DEMOLITION DEBRIS LANDFILL, UNIT 2

At the Madison County MSWLF Facility, located off Sweetwater Road, Marshall Township, Madison County, North Carolina in accordance with Article 9, Chapter 130A, of the General Statutes of North Carolina and all rules promulgated there under and subject to the conditions set forth in this permit.

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

ATTACHMENT 1

PERMIT HISTORY

MSWLF FACILITY PERMIT #58-03	ISSUANCE DATE
Original MSWLF Facility-PTC	April 10, 1992
Original MSWLF Facility-PTO	September 13, 1993
<i>MSWLF ceased disposal January 2004</i>	
Modification: C&DLF Unit 1-PTC & O	March 22,1995
Modification: C&DLF Unit 1-expansion-PTC & O	June 2, 2003
Modification: C&DLF Unit 2-PTC	May XXXXX
Modification: Transfer Facility-PTC & O	February 5, 2002
Modification: HHW Collection Facility-PTC & O	February 28, 2002

PART I: MUNICIPAL SOLID WASTE LANDFILL CONDITIONS

Not Applicable

PART II: CONSTRUCTION AND DEMOLITION LANDFILL CONDITIONS

Documents 1-4 were for the construction of Unit 1

5. *Madison County Landfill Construction & Demolition-Unit 2, Permit to Construct Submittal Package.* Prepared by McGill Associates, Asheville NC. Prepared for Madison County. April 2006

PART III: LAND CLEARING AND INERT DEBRIS LANDFILL CONDITIONS

Not Applicable

PART IV: YARD WASTE CONDITIONS

Not Applicable

PART V: MISCELLANEOUS TRANSFER, TREATMENT AND PROCESSING FACILITIES CONDITIONS

Not Applicable

ATTACHMENT 2

Conditions of the Permit to Construct

PART I: GENERAL FACILITY CONDITIONS

1. The approved Facility Plan, 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 onsite solid waste management facilities and related facility infrastructure.

The approved plans are described in Attachment 2, "Approved Documents". Where discrepancies may exist, the most recent approved submittal and Conditions of Permit shall govern.

2. The Municipal Solid Waste Landfill unit reached its permitted capacity and stopped receiving waste in January 2004. Closure activities are nearing completion and issuance of a Permit for Closure is pending. An on-site Transfer Facility has been operating since February of 2002. The currently operating CDLF unit (Unit 1) at this facility is approaching its total permitted capacity. This Permit to Construct approves the construction of CDLF Unit 2.
3. The landfill is permitted to receive solid waste generated by and in the County of Madison as defined in NCGS 130A-290(a)(35), except where prohibited by North Carolina General Statutes Article 9 of Chapter 130A, and rules adopted by the Commission for Health Services. The owner or operator of the landfill facility shall not knowingly dispose 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 municipal solid waste.
4. This facility shall conform to the specific conditions set forth in this permit and the provisions of 15A NCAC 13B .1604(b)(2). 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.
5. This facility permit is issued under the criteria set forth in 15A NCAC 13B .1603(a)(2). Any facility changes that affect the criteria established in 15A NCAC 13B .1603(a)(1) may require a new permit.

6. Madison County shall submit an amendment to this permit pursuant to 15A NCAC 13B.1603(a)(2) for subsequent phases of development.

FACILITY CONSTRUCTION CONDITIONS

7. Madison County shall conduct a preconstruction meeting, on site, prior to initiating construction of any unit/cell at the site and shall notify the Solid Waste Section 10 days prior to the meeting.
8. 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.
9. Additional conditions and revisions of the approved documents or changes during construction of any landfill unit/cell require approval by the North Carolina Solid Waste Section.
10. Any modifications in sedimentation and erosion control activities require approval by the Land Quality Section. The Section shall be notified of any sedimentation and erosion control modifications.

FACILITY PRE-OPERATIVE CONDITIONS

11. Prior to receiving waste at any new cell or sub cell 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 new cell or sub cell 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 cell, a pre-operative meeting shall be held on-site with key landfill personnel and representatives of the Solid Waste Section, at the discretion of the Section.

PART II: MUNICIPAL LANDFILL UNIT SPECIFIC CONDITIONS

Not Applicable

PART III: CONSTRUCTION AND DEMOLITION DEBRIS UNIT SPECIFIC CONDITIONS

13. This permit is for construction of the first 5-year phase of the Madison County Landfill Construction and Demolition Unit 2, in accordance with the approved plans found in Attachment 2, Part II, Document 5. The C & DLF unit is located within the existing MSWLF facility boundaries, approximately 500 feet southeast of the closed MSWLF unit. The C&DLF unit has a footprint of 4.3 acres, and a total operating capacity of 148,500 cubic yards, with an estimated life of 14 years.
14. All sedimentation/erosion control activities shall be conducted in accordance with the Sedimentation Control Act codified at 15NCAC 4. Native vegetation shall be established on the completed C&DLF unit.
15. 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.
16. Excavation in the borrow area(s) adjacent to the landfill units shall be conducted in a manner that will not significantly change the ground and surface water flow regimes. At least four feet of vertical separation should be maintained between the seasonal high ground water table and any borrow excavation. Surface water should not be allowed to pond but should be diverted from the landfill units.
17. All open boreholes and all piezometers within the construction limits of C&DLF Unit 2 shall be properly abandoned according to the **A** Procedures for permanent abandonment of wells@ 15A NCAC 2C .0113 (a)(2). Copies of the Well Abandonment Forms shall be submitted to the Solid Waste Section.
18. Proposed monitoring well MW-9 shall be designed so that the top of the well screen is no shallower than five feet below ground surface and the top of the sand filter pack is no shallower than four feet below ground surface in order to ensure that there is a good seal at the top of the well to eliminate the possibility of surface water infiltration.
19. An Operations Plan shall be prepared in accordance with the Division's review comments and submitted for approval as part of the Permit to Operate application.
20. Preoperative Conditions:
 - (a) A report of the findings of the geologist, as required in condition 3 above, shall be presented to the Section Hydrogeologist.
 - (b) As-Built drawings of the sub-grade, certified by a licensed North Carolina Professional Engineer, shall be submitted for review to the Section.
 - (c) Monitoring wells shall be installed and tested in accordance with the approved plan.

- (d) Prior to receiving waste at any new cell or sub cell of this facility, a Permit to Operate, must be obtained from the Solid Waste in accordance with 15A NCAC 13B .0201(b).
- (e) Site preparation shall be in accordance with the approved plans (Document 5 of Part II), and the conditions specified herein.
- (f) The Solid Waste Section shall be contacted and a site inspection shall be made by a representative of the Solid Waste Section, at the discretion of the Section.
- (g) Prior to waste disposal for any cell, a pre-operative meeting shall be held on-site with key landfill personnel and representatives of the Solid Waste Section, at the discretion of the Section.

PART IV: LAND CLEARING AND INERT DEBRIS UNIT SPECIFIC CONDITIONS

Not Applicable

PART V: YARD WASTE UNIT SPECIFIC CONDITIONS

Not Applicable

PART VI: MISCELLANEOUS TRANSFER, TREATMENT AND PROCESSING UNIT SPECIFIC CONDITIONS

Not Applicable