



FACILITY PERMIT NO: 49-03
Iredell County MSWLF
Part 1-Permit to Construct
Original PTC MSW: April 1, 1993
Amendment to Permit Phase 3 C&D
November 21, 2006

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**

Iredell County, North Carolina

is hereby issued a **PERMIT TO CONSTRUCT**
for PHASE 3 OF THE CONSTRUCTION AND DEBRIS
UNIT AT THE MUNICIPAL SOLID WASTE LANDFILL FACILITY

Cameron Johnson
Fac/Permi/Co ID# 49-03
Date 7/23/13
Doc ID#
DIN

located on SR 2319, Iredell County, North Carolina, at the Iredell County Landfill, 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 construction plan submitted, the property deeds, and the permit application narrative.

Edward F. Mussler III
CN = Edward F. Mussler III,
C = US, O = Division of
Waste Management, OU =
Solid Waste Section
I have reviewed this
document and I am
approving this document
2006.11.21 12:38:56 -05'00'

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

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New Facility Permit Date (C&DLF Expansion- Phase 2): April 6, 2004

Amendment to Permit, (C&DLF expansion - Phase 2A.), February 7, 2006

Amendment to Permit (C&D Landfill expansion - Phase 3,) November 21, 2006

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ATTACHMENT 1

Approved Documents

PART I: GENERAL FACILITY CONDITIONS

1. Solid Waste Permit 49-03, Iredell County Sanitary Landfill, Part 1: Permit to Construct issued April 1, 1993; Part 2: Permit to Operate issued October 8, 1993.
2. Solid Waste Permit 49-03, Iredell County Sanitary Landfill, Transition Plan Approved February 26, 1996.
3. Legal Description of Real Property

PART II: MUNICIPAL SOLID WASTE LANDFILL CONDITIONS

Phase 2

4. MSWLF Permit to Construct Application, Phase 2, Iredell County Subtitle D Lined Landfill, prepared for Iredell County by Municipal Engineering Services Company, P.A., Garner, NC.
5. Design Hydrogeology Study, Phase 2, Iredell County Subtitle D Lined Landfill, prepared for Iredell County by Municipal Engineering Services Company, P.A., Garner, NC.

Phase 3

6. MSWLF Facility Permit to Construct Application, Phase 3, Iredell County, prepared by Municipal Engineering Services Company, P.A., Garner, NC, revised through July 1, 2001.
7. Design Hydrogeology Study, Phase 3, Iredell County, prepared by Municipal Engineering Services Company, P.A., Garner, NC, revised through July 1, 2001.
8. Request for Modification to protective cover specifications and supporting documentation, prepared by MESCO, submitted May 24, 2002.

PART III: CONSTRUCTION AND DEMOLITION LANDFILL CONDITIONS

Phase 1- CDLF

9. MSWLF Permit to Construct Application, Phase 2, Iredell County Subtitle D Lined Landfill, prepared for Iredell County by Municipal Engineering Services Company, P.A., Garner, NC.

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10. Design Hydrogeology Study, Phase 2, Iredell County Subtitle D Lined Landfill, prepared for Iredell County by Municipal Engineering Services Company, P.A., Garner, NC.
11. Correspondence from Municipal Engineering Services, Co., (MESCO) dated December 13, 1999, requesting expansion of C&D Landfill Area.
12. Correspondence from MESCO dated February 14, 2000 in response to questions regarding groundwater elevations and groundwater monitoring well relocation.
13. Correspondence from MESCO in response to section hydrogeological review.
14. Letter revising C&D Landfill base grades.
15. Facility Plan Drawing No.'s 4 and 6 as revised through March 30, 2000.
16. Drawings PM-1 and PM-2 dated 3/13/00.

Phase 2 - C&DLF

17. Permit Application (Site and Construction Plans), Construction and Demolition Landfill, Iredell County, prepared by Municipal Engineering Services Co., PA, submitted July 5, 2002, revised September 17, 2003 and November 13, 2003, amended February 16, 2004.
18. Site Hydrogeologic Report, Iredell County C&D Landfill, Phases 2 & 3, prepared by Municipal Engineering Services Co., PA, completed January 28, 2004.

Phase 2A - C&DLF

19. *C&D Landfill Expansion Permit to Construct Application*. Prepared for: Iredell County. Prepared by: Municipal Engineering Services Co. P.A. December 16, 2005 and subsequent documentation provided through January 24, 2006.

Phase 3 - C&DLF

20. *C&D Landfill Expansion Permit to Construct Application*. Prepared for: Iredell County. Prepared by: Municipal Engineering Services Co. P.A. April 2006 and subsequent documentation provided through October 10, 2006.

PART IV: LAND CLEARING AND INERT DEBRIS LANDFILL CONDITIONS

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PART V: YARD WASTE CONDITIONS

PART VI: MISCELLANEOUS TREATMENT AND PROCESSING FACILITIES CONDITIONS

ATTACHMENT 2

PART I: GENERAL FACILITY CONDITIONS

1. This condition not used.
2. 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.

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. This facility has an anticipated total municipal solid waste disposal capacity of 6,661,379 cubic yards consistent with the approved final contours, which will be developed in 5 construction phases of five years each. Construction of cells within each phase and subsequent phases will be in accordance with the Division approved plans.
4. The landfill is permitted to receive solid waste generated from within the State of North Carolina consistent with local government waste management plan(s), the franchise agreement and as defined in 15A NCAC 13B .0101(36), 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 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:
 - (1) Prohibits generators or collectors of municipal solid waste from disposing of that type or form of municipal solid waste.
 - (2) Requires generators or collectors of municipal solid waste to recycle that type or form of solid waste.

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5. 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.
6. This facility shall conform to the specific conditions set forth in this permit and the provisions of 15A NCAC 13B .1604(b)(2).
7. 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.
8. Iredell 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

9. Iredell 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.
10. 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, Document 5, "Approved Documents".
11. 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.
12. 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

13. Prior to receiving waste at any unit of this facility, a Permit to Operate, must be obtained from the Solid Waste Section in accordance with 15A NCAC 13B .0201(b).
14. The following requirements shall be met prior to waste disposal for any unit 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.

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**PART II:
MUNICIPAL LANDFILL UNIT SPECIFIC CONDITIONS**

PRE-OPERATIONAL CONDITIONS

15. 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.

CONSTRUCTION CONDITIONS

16. 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.
17. 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.
18. 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.

**PART III:
CONSTRUCTION AND DEMOLITION DEBRIS UNIT SPECIFIC CONDITIONS**

19. This permit approves the construction of Phase 3 of the C&D unit at the Iredell Landfill in accordance with Document, 20 of Attachment 1, Part III. It shall be for approximately 6.62 acres and 606,196 cubic yards gross volume.
20. The following requirements shall be met prior to Operation of the CDLF expansion area:
 - a. The owner/operator shall provide documentation to the division that site preparation (grading and/or placement of fill maintaining 4 feet of separation between waste and groundwater) has occurred in accordance with the construction plan 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.

PART IV:

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LAND CLEARING AND INERT DEBRIS UNIT SPECIFIC CONDITIONS

PART V:

YARD WASTE UNIT SPECIFIC CONDITIONS

PART VI: MISCELLANEOUS TREATMENT AND PROCESSING UNIT SPECIFIC CONDITIONS

(Specify Unit Type)