

PERMIT HISTORY

FACILITY PERMIT NO: 55-03

Part 2 - Permit to Operate

Date of Original Issue:	September 23, 1986
Date of Permit Renewal (Phase II MSW):	April 5, 1999
Date of Permit Modification (C&D Unit):	March 21, 2000
Date of Permit Amendment (Phase IIA C&D Unit):	August 18, 2003
Date of Permit Amendment (Phase III MSW):	September 11, 2006

ATTACHMENT 3

Approved Documents

PART I: GENERAL FACILITY

PART II: MUNICIPAL SOLID WASTE LANDFILL

1. *Construction Quality Assurance (CQA), Submittal Nos. 1,2,3 and 4. Lincoln County Landfill- Phase II. Lincoln County, NC. S&ME Job No. 1356-97-285-C. Prepared for NCDENR, DWM, Solid Waste Section, 585 Waughton Street, Winston-Salem, NC 27107. Prepared by: S&ME, Charlotte, NC. S&ME Project No. 1356-97-285C. October 15, 1999. As revised Through March 7, 2000.*
2. *Application For Permit To Operate Volume I of II, Lincoln County Landfill – Phase III, Crouse, North Carolina, S&ME Project No. 1356-03-255B. Prepared for NCDENR, DWM, Solid Waste Section, Mooresville, NC. Prepared by: S&ME, Inc., 9751 Southern Pine Boulevard, Charlotte, NC. 28273. March 16, 2006. Received July 25, 2006.*
3. *Application For Permit To Operate Volume II of II, Lincoln County Landfill – Phase III, Crouse, North Carolina, S&ME Project No. 1356-03-255B. Prepared for NCDENR, DWM, Solid Waste Section, Mooresville, NC. Prepared by: S&ME, Inc., 9751 Southern Pine Boulevard, Charlotte, NC. 28273. March 16, 2006. Received July 25, 2006.*

PART III: CONSTRUCTION AND DEMOLITION LANDFILL

1. *Application for Permit to Operate Construction and Demolition (C&D) Landfill, Lincoln County Landfill, Lincoln County, North Carolina. Prepared for NCDENR, DWM, Solid Waste Section, 585 Waughton Street, Winston-Salem, NC 27107. Prepared by: S&ME, Charlotte, NC. S&ME Project No. 1356-97-285C. October 15, 1999.*
2. *Application for Permit to Operate C&D Landfill- Phase II. Lincoln County Landfill, Crouse, North Carolina. Prepared for NCDENR, DWM, Solid Waste Section, 401 Oberlin Road, Raleigh, NC 27605. Prepared by: S&ME, Inc., Charlotte, NC. S&ME Project No. 1356-97-2851. July 16, 2003.*
3. *Well Installation and Sampling, Lincoln County C&D Landfill-Phase II. Permit Number 55-03. Crouse, North Carolina. S&ME Project No. 1356-97-2851. July 23, 2003.*

For Operational Conditions see Document 1, Attachment 1, Part 3.

PART IV: LAND CLEARING AND INERT DEBRIS LANDFILL (NOT APPLICABLE)

PART V: YARD WASTE (NOT APPLICABLE)

PART VI: MISCELLANEOUS FACILITIES (NOT APPLICABLE)

ATTACHMENT 4

Conditions of Permit to Operate

PART I: GENERAL FACILITY CONDITIONS

1. This permit shall be reviewed on September 11, 2011 pursuant to 15A NCAC 13B .0201(e). No later than March 11, 2011, Lincoln County shall submit to the Solid Waste Section for review an amendment to the permit prepared in accordance with 15A NCAC 13B .1603(a)(2), or a permit modification prepared in accordance with 15A NCAC 13B .1603(a)(3), as applicable.
2. In the event of conflicts between this Permit to Operate and previously issued conditions, the conditions of this Permit to Operate shall supersede previously issued conditions.
3. The solid waste management units within this facility shall conform to all operating procedures described in the approved plans, 15A NCAC 13B, and the conditions specified herein.
4. Additional conditions and revision of the approved documents or changes during the operation of the landfill require approval by the North Carolina Solid Waste Section.
5. On or before August 1 of each year, Lincoln County shall report the amount of waste received (in tons) at this facility and disposed of in the landfill units to the Solid Waste Section, on forms prescribed by the Section. The reporting period shall be for the previous year, beginning July 1 and ending on June 30. This report shall include the following information:
 - a. The amount of waste received and land filled in tons, compiled on a monthly basis by county or transfer station of origin and by specific waste type if diverted to a specific unit within the permitted facility.
 - b. A survey of volume utilized in the MSW cells shall be performed during the second quarter of the calendar year. The date and volume, in cubic yards, shall be included in the report.
 - c. The amount of waste, in tons from scale records, disposed in MSW cells since May 22, 1992 through the date of the annual volume survey.
 - d. The completed report shall be forwarded to the Regional Waste Management Specialist for the facility. A copy of the completed report shall be forwarded to the County Manager of each county from which waste was received.
6. Ground water quality at this facility is subject to the "Classifications and Water Quality Standards Applicable to the Groundwater of North Carolina", 15A NCAC 2L. This includes, but is not limited to, provisions for detection monitoring, assessment, and corrective action.

PART II: MUNICIPAL LANDFILL UNIT SPECIFIC CONDITIONS

GENERAL CONDITIONS

7. This permit approves the continued operation of Phases I and II, and operation of Phase III of the municipal solid waste landfill unit as well as the on-site environmental management and protection facilities as described in the approved plans. Operation of future Cells or Phases will require written permission from the Division and will be subject to the conditions of the Part 1- Permit to Construct.
8. This permit is for operational approval of a five year permitted gross disposal capacity of approximately 906,080 cubic yards in Phase III, consistent with the final contours as shown in Document 7, Part II, Attachment 1 in the approved plans. Along with the 585,000 cubic yards from Phase II, the gross approved capacity is approximately 1,491,080 cubic yards. The landfill will be constructed in 3 additional phases, Phases IV-VI. Construction of cells within each phase shall be in accordance with the Division approved plans. This permit to operate does not approve operation of phases or cells beyond Phase III.
9. This facility is permitted for an average annual disposal rate of approximately 73,632 tons. This tonnage corresponds to an approximate disposal rate of 236 tons per day based on 312 operating days per year as set forth in Part II, Document 6, Attachment 1. The landfill is permitted to receive solid waste generated by and in Lincoln County, consistent with local government waste management plans(s), with local government approval and contract, the franchise agreement, and as defined in G.S. 130A-290(a)(35), except where prohibited by the North Carolina General Statutes Article 9 of Chapter 130A, and the rules adopted by the Commission for Health Services.

MONITORING AND REPORTING

10. Ground water monitoring at this unit shall be as prescribed by the appropriate requirements of 15A NCAC 13B .1630-.1637 and the approved monitoring plan.
11. A readily accessible unobstructed path shall be cleared and maintained so that four-wheel drive vehicles may access monitoring well locations at all times.
12. A field log book which details all development, sampling, repair, and all other pertinent activities associated with each monitoring well and all sampling activities associated with each surface water and leachate sampling location shall be kept as part of the permanent facility record.
13. Records of all ground water, surface water and leachate analytical data shall be kept as part of the permanent facility record.

14. Ground water monitoring wells and surface water sampling locations must be sampled for Appendix I constituents at least semi-annually according to the specifications outlined in the approved water quality monitoring plan and the current policies and guidelines of the Section in effect at the time of sampling.
15. Reports of the analytical data for each water quality sampling event shall be submitted to the Section within 60 days of the respective sampling event. Analytical data shall be submitted in a manner prescribed by the Section.
16. The four independent samples which comprise the initial baseline sampling event shall be collected from each ground water monitoring well and the report shall be submitted to the Section within six months after issuance of the Permit to Operate.
17. Untreated leachate shall be sampled and analyzed at least semi-annually concurrently with the ground and surface water sampling. The leachate shall be analyzed for all Appendix I constituents, pH, specific conductance, BOD and COD, phosphate, nitrate, and sulfate. Test results shall be submitted to the Section along with ground and surface water test results. In the event leachate is recirculated, additional leachate sampling may be required.

OPERATIONAL CONDITIONS

18. The landfill unit shall conform to all operating requirements described in the approved plans, 15A NCAC 13B .1626, and the conditions specified herein.
19. The use of alternative daily cover requires approval, prior to implementation, by the Solid Waste Section. Requests for alternative daily cover approval must include a comprehensive use and demonstration for the effectiveness plan developed according to Section guidelines and consistent with the approved plan. Plans that are approved by the Section will be incorporated into, and made a part of, the approved documents found in Attachment 3.
20. The use of leachate recirculation as a leachate management tool requires approval, by the Solid Waste Section, prior to implementation. Requests for leachate recirculation approval must include a comprehensive management plan developed according to Section guidelines and which is consistent with the approved operation plan. Plans which are approved by the Section will be incorporated into, and made a part of, the approved documents found in Attachment 3. Leachate may NOT be recirculated over areas that do not have a liner that conforms with Rule .1624(b)(1)(A).
21. The MSWLF unit is permitted to co-dispose of wastewater treatment sludge generated within the facility's approved service area, and subject to the terms and procedures of the approved plan.

22. Closure or partial closure of any MSWLF unit shall be in accordance with the Closure Plans described in the approved plans and 15A NCAC 13B .1629. Final Closure Plans shall be submitted to the Division at least 90 days prior to implementation. Closure and Post-closure plans, including financial instruments shall be updated annually pursuant to 15A NCAC 13 B .1628.

PART III: CONSTRUCTION AND DEMOLITION DEBRIS UNIT SPECIFIC CONDITIONS

23. Phase II A of this C&D unit is approved for a five year disposal capacity of approximately 156,000 cubic yards, consistent with the approved contours as shown on sheet 12 of 13 of Document 1, Part 3, Attachment 1. The five (5) year permitted capacity is to approximately elevation 888 as identified on the approved plans for Phase II. This capacity is based on an average disposal rate of approximately 20,000 tons per year.
24. Operation of the C&D unit shall be in accordance with NCAC 13B .0505, the approved plans, and the following specific conditions:
25. The C&DLF unit is permitted to receive construction or demolition debris and land clearing and inert debris as follows:
- a. "Construction or demolition debris" as defined in G.S. 130A-290 (a)(4) means solid waste resulting solely from construction, remodeling, repair or demolition operations on pavement, buildings, or other structures, but does not include inert debris, land-clearing debris or yard debris.
 - b. "A land clearing and inert debris landfill" as defined in Rule .0101(54) means a facility for the land disposal of land-clearing waste, concrete, brick, concrete block, uncontaminated soil, gravel and rock, untreated and unpainted wood and yard trash.
 - c. "Land Clearing Waste" as defined in Rule .0101(53) means solid waste which is generated solely from land clearing activities, limited to stumps, trees, limbs, brush, grass, and other naturally occurring vegetative material.
 - d. "Asphalt" in accordance with G.S. 130-294(m).
26. The C&D landfill units shall not receive the following waste types:
- a. "Yard trash" as defined in G.S. 130A-290 (45) shall not be disposed in the landfill area. However, yard trash, along with land-clearing debris, may be accepted for processing in the Yard Waste Composting Area or disposed of in an LCID landfill.
 - b. Municipal solid wastes, hazardous wastes, or liquid wastes are not permitted for acceptance or disposal in the C&D landfill units.
27. Waste shall be covered with six (6) Inches of suitable cover at least once per week, or when the active working area reaches one-half (1/2) acre in size, or more often as necessitated by the nature of the waste, so as to prevent the site from becoming a visual nuisance and to prevent fire, windblown materials, vectors, or water infiltration. Areas that

have not received additional waste for twelve months or more, but where final elevations have not been reached, shall be covered with one-foot of soil cover.

27. Ground water and surface water sampling and analysis shall conform to the specifications found in the approved plans.
28. Closure Requirements - The C&D unit shall be closed in accordance with the approved plans and the requirements of the Division of Waste Management at the time of closure. A final closure plan shall be submitted for review at least 90 days prior to closure of any phase of the C&D landfill unit.

PART IV: LAND CLEARING AND INERT DEBRIS UNIT SPECIFIC CONDITIONS
(NOT APPLICABLE)

PART V: YARD WASTE UNIT SPECIFIC CONDITIONS
(NOT APPLICABLE)

PART VI: MISCELLANEOUS UNIT SPECIFIC CONDITIONS (Specify Unit Type)
(NOT APPLICABLE)

- End of Section -