NCDENR
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

MUNICIPAL SOLID WASTE LANDFILL FACILITY PERMIT

LENOIR COUNTY

is hereby issued a PERMIT to OPERATE a

MUNICIPAL SOLID WASTE LANDFILL FACILITY
(Phase 1, Cell A)

located on NCSR 1524, west of LaGrange, Lenoir 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 deed for property included in the facility boundary is recorded in the Lenoir County Public Registry at Book 942 at Page 774.

James C Coffey
James C. Coffey, Chief
Solid Waste Section

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ATTACHMENT 3

Approved Documents

PART I: GENERAL FACILITY CONDITIONS

PART II: MUNICIPAL SOLID WASTE LANDFILL

1. Construction Quality Assurance Report, Lenoir County Municipal Solid Waste Landfill Facility, Phase 1, prepared by Municipal Engineering Services Company, Volume 1, received April 5, 2004.
2. Construction Quality Assurance Report, Lenoir County Municipal Solid Waste Landfill Facility, Phase 1, prepared by Municipal Engineering Services Company, Book 2 of 2, Sections 3, 4, and 5, received April 23, 2004, amended 5/18/2004.
3. Record As-Built Drawings (complete for Cell A and Leachate Lagoon), submitted by Municipal Engineering Services Company, June 22, 2004.
4. Geosynthetic Liner CQA for Leachate Lagoon, submitted by Municipal Engineering Services Company, June 22, 2004.

PART III: CONSTRUCTION & DEMOLITION LANDFILL CONDITIONS (Not Applicable)

PART IV: LAND CLEARING & INERT DEBRIS LANDFILL CONDITIONS (Not Applicable)

PART V: YARD WASTE CONDITIONS (Not Applicable)

PART VI: MISC TREATMENT & PROCESSING FACILITIES CONDITIONS (Not Applicable)

ATTACHMENT 4

Conditions of Permit to Operate

PART I:
GENERAL FACILITY CONDITIONS

1. This permit shall be reviewed, pursuant to 15A NCAC 13B.0201(e), five (5) years from the issuance date of this permit to operate or the latest amendment.

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, the permittee 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. This report shall include the following information:

   a. The reporting period shall be for the previous year, beginning July 1 and ending on June 30.

   b. the amount of waste received and landfilled 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; and

   c. 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.

7. The facility is permitted to receive solid waste generated within Lenoir County, consistent with local government waste management plan(s), and as defined in NCGS 130A-290(a)(18a), except where prohibited by North Carolina General Statutes Article 9 of Chapter 130A, and rules adopted by the Commission for Health Services.

PART II: MUNICIPAL LANDFILL UNIT SPECIFIC CONDITIONS
GENERAL CONDITIONS

8. This permit approves the operation of Phase 1, Cell A of the municipal solid waste landfill unit as well as the on-site environmental management and protection facilities as described in the approved plans. Wayne County shall complete CQA and obtain a letter to operate prior to placement of waste in Phase 1, Cell B.

9. This permit is for operational approval of a five year permitted disposal capacity of approximately 635,200 cubic yards, consistent with the final contours as shown on sheet P4 of Construction Plan Document 3, Attachment 1, based on an average disposal rate of 183 tons per day. Wayne County shall complete CQA and obtain a letter to operate prior to placement of waste in Phase 1, Cell B.

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. Leachate recirculation may take place only in landfill areas equipped with a base liner that meets the design requirements of 15A NCAC 13B .1624(b)(1)(A)(i). 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 that are approved by the Section will be incorporated into, and made a part of, the approved documents found in Attachment 3.

21. Leachate shall be contained within the landfill liner system. Lenoir County shall maintain a minimum distance of 10 feet between waste and temporary anchor trench, and shall employ soil berms to prevent leachate release. In the event of leachate release, Lenoir County shall employ all measures necessary to clean up the release and shall implement additional control measures suitable to the Section.

22. The MSWLF unit is permitted to co-dispose of wastewater treatment sludges generated within the facility's approved service area, and subject to the terms and procedures of the approved plan.

23. 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 13B .1628.

PART III: CONSTRUCTION AND DEMOLITION DEBRIS UNIT SPECIFIC CONDITIONS
PART IV: 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)