



Facility Permit No: 44-03  
Haywood County  
PERMIT FOR CLOSURE  
Original Issuance Date: December 13, 1995  
Modification-Post-Closure Use: May 23, 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 FACILITY  
PERMIT NO. 44-03**

Haywood County  
is hereby issued

**A Modification to the  
PERMIT FOR CLOSURE**

For the following MSWLF unit

located on Francis Farm Road Haywood 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.

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

**ATTACHMENT 1**  
**LIST OF APPROVED DOCUMENTS**

**Part A: Closure Plan(s)**

*Closure Certification* Prepared by RCF, Inc, Hazelwood, NC. Prepared for Haywood County. September 13, 1994.

**Part B: Post-Closure Use Plan(s)**

*School Bus Parking Lot-Summer Use Only.* Prepared by Haywood County. Prepared for Haywood County. May 10, 2006.

**Part C: Ground Water and Methane Gas Corrective Action Plan(s)**

*Letter from Mark Poindexter outlining the requirements of a landfill gas corrective action plan* January 14, 2000.

*Francis Farm Assessment Plan.* Prepared by Municipal Engineering, Garner, NC. Prepared for Haywood County. June 7, 2000.

*Letter from Phil Prete approving June, 2000 Plan for implementation and outlining additional requirements.* October 6, 2000.

*Progress Report- Assessment.* Prepared by Municipal Engineering, Garner, NC. Prepared for Haywood County. October 23, 2001.

*Ground Water Assessment Monitoring Plan, Haywood County Closed Francis Farm Landfill Waynesville, NC.* Prepared by Municipal Engineering Services, Garner, NC. Prepared for Haywood County. August, 2004.

*Letter from Larry Rose requiring additional information regarding the Ground Water Assessment Monitoring Plan.* August 23, 2004.

*Letter from Jack Horton, Haywood County Manager requesting additional time to prepare implementation schedule for Assessment Plan* October 14, 2004.

**POST-CLOSURE CONDITIONS  
MUNICIPAL SOLID WASTE LANDFILL (MSWLF)**

**GENERAL CONDITIONS:**

- (1) The rules referred to in this permit mean the solid waste management rules and regulations codified at 15A N.C. Administrative Code Chapter 13B.
- (2) The owner or operator shall maintain the integrity and effectiveness of any cap system, including making repairs to the cover as necessary to correct the effects of settlement, subsidence, erosion, or other events, and prevent surface water from impounding over waste, and run-on and run-off from eroding or otherwise damaging the cap system.
- (3) Groundwater quality at this facility is subject to the "Classifications and Water Quality Standards Applicable to the Groundwaters of North Carolina," 15A NCAC 2L. This includes, but is not limited to, the provisions for detection monitoring, assessment, and corrective action.
- (4) The owner or operator shall ensure that the MSWLF units do not violate any applicable requirements developed under a State Implementation Plan (SIP) approved or promulgated by the U.S. EPA Administrator pursuant to Section 110 of the Clean Air Act, as amended.

**ONGOING SOLID WASTE MANAGEMENT ACTIVITIES:**

- (5) Continuing solid waste management activities within the MSWLF facility shall be conducted in accordance with all pertinent requirements and permit conditions and shall not violate any post-closure conditions. Any new solid waste activities must be approved by the Solid Waste Section and included as part of the comprehensive Facility Plan.

**POST-CLOSURE USES:**

- (6) Post-closure use of the property shall not disturb the integrity of the cap system, or the function of the monitoring systems. The Division may approve any other disturbance if the owner or operator demonstrates that disturbance of the cap system, including any removal of waste, will not increase the potential threat to human health or the environment.
- (7) The owner/operator shall submit a description of the planned uses of the property during post-closure period. Post-closure uses approved by the Division, are described in the List of Approved Documents, Attachment 1, Part B. b

**METHANE GAS REMEDIATION CONDITIONS:**

- (8) The owner or operator shall maintain and operate the gas monitoring system to ensure that:
  - (a) The concentration of methane gas generated by the facility does not exceed 25 percent of the lower explosive limit for methane in facility structures (excluding gas control or recovery system components); and

(b) The concentration of methane gas does not exceed the lower explosive limit for methane at the facility property boundary.

- (9) If methane gas levels exceeding these limits are detected, the owner or operator must take all steps necessary to meet the standards established in Condition 8. Methane gas remediation plans approved by the Division are described in the List of Approved Documents, Attachment 1, Part C.

#### **WATER QUALITY MONITORING AND REMEDIATION REQUIREMENTS:**

- (10) Groundwater quality at this facility is subject to the "Classification and Water Quality Standards Applicable to the Groundwaters of North Carolina," 15A NCAC 2L. This includes, but is not limited to, the provisions for detection monitoring, assessment, and corrective action. Detection monitoring, assessment, and corrective action plans approved by the Division are described in the List of Approved Documents, Attachment 1, Part C.
- (11) Haywood County, as permittee of the landfill, shall sample, in accordance with the post-closure water quality monitoring plan approved by the Solid Waste Section, the detection monitoring wells and surface water sampling location(s) on a semi-annual basis, at a minimum.
- (12) Sampling equipment and methods shall conform to specifications in Attachment 1, "North Carolina Water Quality Monitoring Guidance Document for Solid Waste Facilities." The sampling parameters and methods of analysis shall be in accordance with the post-closure water quality monitoring plan for the landfill approved by the Solid Waste Section.
- (13) The permittee shall maintain a record of all monitoring events and analytical data. Reports of the sampling events and analytical data shall be submitted to the Section in a timely manner