



FACILITY COMPLIANCE AUDIT REPORT
Division of Waste Management
Solid Waste Section

UNIT TYPE:											
Lined MSWLF		LCID		YW		Transfer		Compost		SLAS	COUNTY: Alamance PERMIT NO: 01-01 FILE TYPE: COMPLIANCE
Closed MSWLF	X	HHW		White goods		Incin		T&P		FIRM	
CDLF		Tire T&P / Collection		Tire Monofill		Industrial Landfill		DEMO		SDTF	

Date of Audit: 3/9/2010

Date of Last Audit: 4/10/2008

FACILITY NAME AND ADDRESS:

Closed Alamance County Landfill
 Alfred Road

GPS COORDINATES: N: 36.0150 E: -79.3496

FACILITY CONTACT NAME AND PHONE NUMBER:

Greg Thomas, Solid Waste Director 336-376-0411
 Email: Gregory.thomas@alamance-nc.com

FACILITY CONTACT ADDRESS:

Alamance County Solid Waste Management Facility
 2701 Austin Quarter Road
 Graham, North Carolina 27253

Craig F. Honeycutt, County Manager
 Alamance County
 124 West Elm Street
 Graham, NC 27253

AUDIT PARTICIPANTS:

Greg Thomas, Alamance County Solid Waste Director
 Chris Marriott, NC DENR-Solid Waste Section

STATUS OF PERMIT:

Closed Facility-effective date of closure: May 14, 1996

PURPOSE OF AUDIT:

Comprehensive Audit

NOTICE OF VIOLATION(S):

15A North Carolina Administrative Code 13B .0510(c) requires that “when a solid waste disposal site has been closed in accordance with the requirements of the Division, future necessary maintenance and water quality monitoring shall be the responsibility of the owner and the operator and shall be specified in the closure letter.”

The July 5, 1995 Closure Letter, in the POST CLOSURE CONDITIONS section item #1 (Management of Landfill Gas), states that “The owner and/or operator shall take the measures necessary to ensure that the closed site shall continue to meet the design standards for landfill gas found in Rule .0503(2)(a).”

Rule .0503(2)(a) states: “The concentration of explosive gases generated by the site shall not exceed:

FACILITY COMPLIANCE AUDIT REPORT
Division of Waste Management
Solid Waste Section

Page 2 of 2

- (i) twenty-five percent of the limit for the gases in site structures (excluding gas control or recovery system components; and
- (ii) the lower explosive limit for the gases at the property boundary;"

The January 12, 1994 letter in which the Solid Waste Section responded to the County's request to close the landfill approved of the submitted Post-Closure Plan. This letter stated in the Post-Closure Conditions section: "Alamance County shall monitor for explosive gases in accordance with 15A NCAC .0503. The monitoring period shall continue for a ten year period unless the county can demonstrate a long term downward trend in explosive gas levels."

Alamance County has not shown that any explosive gas monitoring has ever been performed at the closed municipal solid waste facility as required in the Post-Closure Conditions (dated 1/12/1994) or in the closure letter (dated 7/5/1995). **Therefore, Alamance County is in violation of 15A NCAC 13B .0510(c) for failing to perform the necessary maintenance at a solid waste disposal site that has been closed in accordance with the requirements of the Division, as specified in the closure letter, in accordance with the requirements of Rule .0510(c).**

In order to achieve compliance with 15A NCAC 13B .0510(c), within 90-days of receipt this report, Alamance County must provide evidence that methane monitoring has been performed as required in the closure letter, or submit a new permanent methane monitoring plan must be submitted to the Section for approval. The methane monitoring plan should satisfy all conditions of Rule 15A NCAC 13B .0503(2)(a)(i) and (ii). Please submit copies of the methane monitoring plan to:

Ed Mussler, P.E., Permitting Branch Head
Division of Waste Management, Solid Waste Section
1646 Mail Service Center
Raleigh, North Carolina 27699-1646

You are hereby advised that, pursuant to N.C.G.S. 130A-22, an administrative penalty of up to \$15,000 per day may be assessed for each violation of the Solid Waste Statute or Regulations. For the violation(s) noted here, you may be subject to enforcement actions including penalties, injunction from operation of a solid waste management facility or a solid waste collection service and any such further relief as may be necessary to achieve compliance with the North Carolina Solid Waste Management Act and Rules.

STATUS OF PAST NOTED VIOLATIONS:

None

AREAS OF CONCERN AND COMMENTS:

- 1) The facility is a closed MSW landfill which ceased operations on October 4, 1993.
- 2) The landfill closure activities included the following areas: 29-acre 'post-1991' landfill, 3-acre C&D landfill, 1-acre tire Monofill, and the repair of the 'pre-1991' landfill area.
- 3) Closure documentation and certification was submitted in September 1994. The Closure Letter was issued on July 5, 1995. The effective date of closure based on the County's letter agreeing to Closure Conditions is May 14, 1996.
- 4) Groundwater and surface water monitoring has been completed since October 1995.
- 5) The latest groundwater report was dated September 30, 2009 for sampling that took place on September 16 & 17, 2009. The report indicated that 5 groundwater wells contained volatile organic compounds (VOCs) above the groundwater limits. According to Mr. Thomas, the spring 2010 sampling event was completed on March 1, 2010.
- 6) Access is controlled by a fence around the site and a locked gate.
- 7) An area of the facility is utilized by a model airplane club, per an agreement with the County.
- 8) Vegetative cover is established over the landfill with no erosion problems observed. Some trees were observed on the cover of the landfill. **All trees growing on the landfill cover should be removed during the annual maintenance and mowing of the cover.**
- 9) Edge of waste markers consisting of 2-inch PVC pipe section slipped over metal 'T' posts have been installed

FACILITY COMPLIANCE AUDIT REPORT
Division of Waste Management
Solid Waste Section

Page 3 of 3

around the perimeter of the waste unit.

10) A non-landfilled portion of this property is approved as a temporary disaster debris storm site.

Please contact me if you have any questions or concerns regarding this audit report.



Phone: 336-771-5090

Chris Marriott
Environmental Senior Specialist
Regional Representative

Delivered on : <u>March 25, 2010</u> by	Hand delivery	US Mail	X	Certified No. <u>[7008 0500 0002 0609 4830]</u> to Craig Honeycutt, County Manager
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cc: Mark Poindexter, SWS Field Operations Branch Supervisor-via email
Jason Watkins, SWS Central District Supervisor-via email
Donald Herndon, SWS Compliance Officer-via email
Greg Thomas, Alamance County Solid Waste Director-via email
Ed Mussler, SWS Permitting Branch Supervisor-via email