

FACILITY COMPLIANCE AUDIT REPORT
Division of Waste Management
Solid Waste Section

UNIT TYPE:											
Lined MSWLF		LCID		YW		Transfer		Compost		SLAS	COUNTY: Iredell PERMIT NO.: 49-01 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: February 23, 2010

Date of Last Audit: January 27, 2009

FACILITY NAME AND ADDRESS:

Iredell County Landfill
 Twin Oaks Road
 Statesville, North Carolina 28625

GPS COORDINATES: N: 35.77782 W: 80.82049

FACILITY CONTACT NAME AND PHONE NUMBER:

David Lambert, Solid Waste Director (704) 878-5430

FACILITY CONTACT ADDRESS:

354 Twin Oaks Road
 Statesville, North Carolina 28625

AUDIT PARTICIPANTS:

Terry Church-Landfill Supervisor
 Charles Gerstell-NCDENR, Solid Waste Section

STATUS OF PERMIT:

Facility was issued a letter of closure on September 5, 1995.

PURPOSE OF AUDIT:

Comprehensive Audit

NOTICE OF VIOLATION(S):

15A North Carolina Administrative Code 13B .0510(c) states: 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 operator and shall be specified in the closure letter.

- Post Closure Condition #1 of the Closure Letter dated September 5, 1995 states: The owner 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).
- .0503(2)(a) states: A site shall meet the following design requirements:
 - a. The concentration of explosive gases generated by the site shall not exceed
 - 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;

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During the inspection, it was determined that permanent methane monitoring devices were in place at those buildings immediately adjacent to the landfill along Twin Oaks Road. However, no information was provided showing that Iredell County has performed any explosive gas monitoring at the closed municipal solid waste facility as required in the closure letter dated September 5, 1995.

Therefore, within 90 days of issuance of this audit report, Iredell County must provide evidence that methane monitoring has been performed as required in the closure letter, or 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

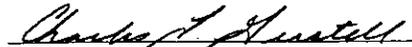
AREAS OF CONCERN AND COMMENTS:

1. Groundwater monitoring is being performed semi-annually.
2. A gate has been provided at the entrance to the facility to prevent unauthorized entry. The gate was shut and locked at the time of inspection.
3. Trees observed along the rip rap ditchlines on the northern slopes during the previous inspection have been removed from the landfill.
4. Edge of waste markers have been installed along the perimeter of the landfill.
5. Some exposed waste was observed on the northwest slopes of the landfill. Terry Church stated that this situation was caused by the removal of multiple trees from the landfill slope approximately 10 years ago. The trees were removed by the roots which may have pulled some waste to the surface according to Mr. Church. All exposed waste must be covered immediately with earthen material.
6. Two leachate outbreaks were observed in the area of the aforementioned exposed waste. The leachate was contained to the landfill footprint. This condition must be repaired immediately to prevent leachate from flowing beyond the landfill footprint.
7. An area of settlement with standing water was observed on the top of the landfill adjacent to methane extraction wells 11 and 12. Steps must be taken to repair this area to prevent future ponding.
8. An area of settlement with standing water was also observed between methane extraction wells 14 and 17. Steps must be taken to repair this area to prevent future ponding.
9. Much of the dense brush observed during the previous inspection along rip rap ditchlines has been removed since the previous inspection. However, some scattered areas of brush still remain. Areas of most concern are those areas of dense growth along the slope drains. Continue efforts to remove this growth from the landfill.

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


Charles T. Gerstell
Environmental Senior Specialist
Regional Representative

Phone: (704) 235-2144

Delivered on : <u>3/2/10</u> by		Electronic Correspondence		US Mail	X	Certified No. [<u>7008 1140 0002</u> <u>2717 6989</u>]
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cc: Mark Poindexter, Field Operations Branch Supervisor
Deb Aja, Western District Supervisor

Mr. Joel Mashburn, Iredell County Manager
Post Office Box 788
Statesville, North Carolina 28687

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