



**FACILITY COMPLIANCE AUDIT REPORT**  
**Division of Waste Management**  
**Solid Waste Section**

<b>UNIT TYPE:</b>											
Lined MSWLF	<input checked="" type="checkbox"/>	LCID		YW		Transfer		Compost	<input checked="" type="checkbox"/>	SLAS	<b>COUNTY: Lincoln</b> <b>PERMIT NO.: 55-03</b> <b>FILE TYPE: COMPLIANCE</b>
Closed MSWLF		HHW		White goods	<input checked="" type="checkbox"/>	Incineration		T&P	<input checked="" type="checkbox"/>	FIRM	
CDLF	<input checked="" type="checkbox"/>	Tire T&P / Collection	<input checked="" type="checkbox"/>	Tire Monofill		Industrial Landfill		DEMO		SDTF	

**Date of Audit:** January 21, 2009

**Date of Last Audit:** October 16, 2008

**FACILITY NAME AND ADDRESS:**

Lincoln County Landfill  
 5291 Crouse Road  
 Crouse, North Carolina 28033

**GPS COORDINATES:** N: 35.42288 W: 81.35695

**FACILITY CONTACT NAME AND PHONE NUMBER:**

Nancy C. Rickard, Deputy Director of Solid Waste  
 (704) 732-9030

**FACILITY CONTACT ADDRESS:**

Same as above

**AUDIT PARTICIPANTS:**

Nancy Rickard, Lincoln County  
 Mark Bivins, Lincoln County  
 Charles Gerstell-NCDENR, Solid Waste Section  
 Larry Frost-NCDENR, Solid Waste Section

**STATUS OF PERMIT:**

A Permit to Operate A Municipal Solid Waste Landfill Facility, Phases I, II, and III, and C&D Unit Phase IIA was issued on September 11, 2006. This permit shall be reviewed on September 11, 2011.

**PURPOSE OF AUDIT:**

Partial Audit

**NOTICE OF VIOLATION(S):**

**15A North Carolina Administrative Code 13B .1626(8)(d) states:** Leachate shall be contained on site or properly treated prior to discharge.

Lincoln County is in violation of 15A NCAC 13B .1626(8)(d) in that leachate was released from the landfill and was not property treated prior to discharge.

To achieve Compliance, Lincoln County must take the following actions:

1. Monitor to assure leachate is contained on site or properly treated prior to discharge in accordance with 15A NCAC 13B .1626(8)(d).

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2. Complete all repairs to the failed pipe located within the leachate tank containment area and notify the Division when repairs have been tested and found to be complete and operational.
3. To assess the impact of the leachate release outside the waste cell, Lincoln County shall acquire the services of a N.C. licensed geologist with experience in assessment and remediation of ground water contamination and submit a phased assessment plan to the Division. The professional geologist shall consult with the Solid Waste Section Hydrogeologist about the site prior to developing the plan. The Section will review the submitted plan, approve, or request more information or amendments before implementation. The plan shall be implemented as approved. Within 30 days, submit this plan to:

Jaclyne Drummond, Compliance Hydrogeologist  
NCDENR-Division of Waste Management  
Solid Waste Section  
410 Oberlin Road, Suite 150  
1646 Mail Service Center  
Raleigh, North Carolina 27699-1646

4. Within 30 days, submit a revised operations plan to include a revised contingency plan. The contingency plan must detail all procedures to be taken to prevent leachate spills in the future. Submit the revised plan to:

Larry Frost, Regional Engineer  
NCDENR-Division of Waste Management  
Solid Waste Section  
2090 US Highway 70  
Swannanoa, North Carolina 28778

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:**

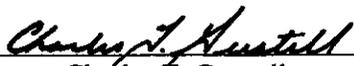
1. This inspection was performed as a partial audit to investigate a leachate spill reported by Nancy Rickard earlier in the day. Ms. Rickard explained that approximately 78,000-gallons of leachate were released from the leachate tanks as a result of a damaged discharge pipe located within the leachate tank containment area. Leachate entered a storm drain within the concrete floor of the containment area and exited to a diversion swale that carried leachate to a sediment basin located adjacent to the leachate tanks. Leachate exited the sediment basin through the stone spillway and deposited into a low lying area beyond the device.
2. Repair of the damaged section of discharge pipe leading from the leachate tanks was observed during the inspection. Mr. Ed Yarboro of N/S Carolina Storage Systems, Inc. was performing the repairs. A final test of the repaired pipe could not be performed during the inspection due to the frozen condition of liquid within the piping system.
3. The storm drain in which leachate exited the leachate tank containment area has been closed. No leachate was observed within the containment area.

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4. Observed the diversion swale that carried leachate to the sediment basin located adjacent to the leachate tanks. Some ponded liquid was observed in the swale. All remaining liquid must be pumped back to the leachate containment system.
5. Majority of liquid had been pumped from the sediment basin back to the leachate containment system. However, some standing liquid was observed within the basin at the time of inspection. Please insure that all remaining liquid is pumped back into the leachate containment system.
6. The low lying area located beyond the sediment basin was also observed. A significant amount of standing water was observed in this area at the time of inspection. Ms. Rickard and Mr. Bivins explained that this area retains a significant amount of water following rain events.
7. Leachate levels within the leachate tanks were observed as 18.8-feet and 18.1-foot at the time of inspection.
8. Ms. Rickard explained that the SCADA System used to monitor functions of the leachate system was non-operational. Steps must be taken to ensure that this system is repaired and functional.

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>1/30/09</u> by		Hand delivery		US Mail	X	Certified No. <u>[7007 1490 0004 4509 4976 ]</u>
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cc: Mr. George A. Wood, County Manager  
 115 West Main Street  
 Lincolnton, North Carolina 28092

Certified Number: 7007 1490 0004 4509 4990

Mark Poindexter, Field Operations Branch Supervisor  
 Deb Aja, Western District Supervisor