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

NCDENR
NORTH CAROLINA DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES

| UNIT TYPE: | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lined MSWLF | X | LCID | | YW | | Transfer | | Compost | X | SLAS | | COUNTY: Lincoln |
| Closed MSWLF | | HHW | | White goods | X | Incin | | T&P | X | FIRM | | PERMIT NO.: 55-03 |
| CDLF | X | Tire T&P / Collection | X | Tire Monofill | | Industrial Landfill | | DEMO | | SDTF | | FILE TYPE: COMPLIANCE |

**Date of Audit:** August 17, 2009 **Date of Last Audit:** January 21, 2009

**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
nrickard@lincolncounty.org

**FACILITY CONTACT ADDRESS:**
Same as above

**AUDIT PARTICIPANTS:**
Nancy Rickard, Lincoln County
Mark Bivins, Lincoln County
Charles Gerstell-NCDENR, Solid Waste Section
Paul Crissman-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:**
Comprehensive Audit

**NOTICE OF VIOLATION(S):**
N/A

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:**

**15A North Carolina Administrative Code 13B .1626(8)(d):** During an inspection performed on January 21, 2009, Lincoln County was found to be in violation of 15A NCAC 13B .1626(8)(d) in that leachate was released from the landfill and was not properly treated prior to discharge.

As of the date of this inspection, no additional leachate spills have been reported. Repairs to the failed pipe within the leachate containment area have been completed and the device is now operational. The *Assessment Plan January 2009 Leachate Release* was approved by the Solid Waste Section on March 6, 2009. Final findings have not yet been released for this Assessment. A revised Operations Plan has been submitted and is currently under review.

As a result of the above actions, this violation is considered resolved.

**AREAS OF CONCERN AND COMMENTS:**

1. Reviewed the permit and operations plan. These documents were current and available for review.
2. The facility is currently accepting approximately 141 tons of MSW waste per day and 35 tons of C&D waste per day.
3. Water-quality records were reviewed and were being performed semi-annually as required.
4. Leachate sampling was being conducted semi-annually as required.
5. Landfill gas monitoring was being performed quarterly as required.
6. Waste screening forms were reviewed. It appeared that frequency of inspections fell in numbers during May and June of this year. Please ensure that screenings are performed on a minimum of 1% of the waste stream. Be sure that notes are made detailing how unacceptable waste streams are disposed of when discovered.

Operations Inspection of the MSW Landfill Unit:

7. Waste was being placed into Phase III of the MSWLF at the time of inspection.
8. No unacceptable waste steams were observed.
9. Windblown waste was severe at the time of inspection. 15A NCAC 13B .1626(11)(c) requires that all windblown material resulting from the operation be collected and returned to the area by the owner or operator at the conclusion of each day of operation. All windblown waste must be picked up and returned to the working face.
10. 15A NCAC 13B .1626(2)(a) requires owners or operators of all MSWLF units to cover disposed solid waste with six inches of earthen material at the end of each operating day, or at more frequent intervals if necessary, to control disease vectors, fires, odors, blowing litter, and scavenging. Operational cover was inadequate within the MSW landfill unit at the time of inspection. Areas of most concern were those inactive areas south and east of the current working face. A significant amount of waste was exposed within a diversion swale located south of the working face. An additional area of concern was adjacent to the access road on the right side as you enter the active landfill cell. All inactive areas must be covered with a minimum of six inches of earthen material within **7 days** of this dated audit report.
11. All access roads were stable and good operational condition.
12. Edge of liner stakes were being maintained.
13. The two leachate tanks on site appeared to be well managed at the time of inspection. Leachate levels were observed to be 4.5-feet and 4-feet.

Operations inspection of the C&D Landfill Unit:

**14.** The working face was less than ½ acre at the time of inspection.
**15.** No unacceptable waste streams were observed. Multiple tires had been removed and placed outside of the working face at the time of the inspection. Thank-you for attention to unacceptable waste streams.
**16.** Please collect all windblown and incidental waste observed southeast of the working face and at the toe of the inactive slope directly adjacent to the working face to the north.
**17.** Additional operational cover was needed at the inactive slope facing the composting area. Please ensure that all exposed waste is covered with a minimum of 6-inches of earthen material.
**18.** All access roads were in stable, operational condition at the time of inspection.

Operations Inspection of the White Goods Area:

**19.** This area was well managed at the time of inspection. All white goods on site were observed in an upright position to ensure the structural integrity of the device prior to removal of Freon.

Operations Inspection of the Tire Collection Area:

**20.** This area was well managed at the time of inspection. All tires were being collected into covered trailers and were being stored properly.

Operations Inspection of the Small Type 1 Composting Unit:

**21.** Ground material was being maintained in windrows at the time of inspection. However, the size of the windrow for final product appeared to be too large in size. Windrows should be a maximum of 6-feet to 12-feet tall and 10-feet to 20-feet wide if maintained by front end loader.
**22.** Be sure to maintain adequate distance between windrows to allow for access by emergency vehicles and equipment used for turning of the windrows.
**23.** Temperature logs were reviewed for the compost operation. All temperatures were at or above the required 131°F.

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 .

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| **Delivered on : 8/26/09 by** | X | Electronic Correspondence | | US Mail | | Certified No. |

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