



FACILITY COMPLIANCE AUDIT REPORT
Division of Waste Management
Solid Waste Section

UNIT TYPE:

Lined MSWLF		LCID		YW	<input checked="" type="checkbox"/>	Transfer		Compost		SLAS		COUNTY: Lee PERMIT NO.: 53-01 FILE TYPE: Compliance
Closed MSWLF	<input checked="" type="checkbox"/>	HHW		White goods	<input checked="" type="checkbox"/>	Incin		T&P		FIRM		
CDLF	<input checked="" type="checkbox"/>	Tire T&P / Collection	<input checked="" type="checkbox"/>	Tire Monofill		Industrial Landfill		DEMO		SDTF		

Date of Audit: March 13, 2007Date of Last Audit: February 9, 2007**FACILITY NAME AND ADDRESS:**

Lee County Landfill
 Sanders Road (SR 1177)
 Lemon Springs, North Carolina

FACILITY CONTACT NAME AND PHONE NUMBER:

Joseph Cherry, Solid Waste Supt., Lee County
 (919) 718-4622

FACILITY CONTACT ADDRESS:

Lee County Public Works Dept.
 P.O. Box 1968
 Sanford, North Carolina 27330

GPS COORDINATES: N: 32.22050 E: 079.11550**AUDIT PARTICIPANTS:**

Tracy Beard, Landfill Manager, Lee County
 Joseph Cherry, Solid Waste Supt., Lee County
 Robert Hearn, Solid Waste Section

STATUS OF PERMIT:

Permit Issued: July 25, 1995
 Permit Modification #1: March 15, 2002

PURPOSE OF AUDIT:

Partial audit – compliance inspection

NOTICE OF VIOLATION:

(no new violations)

You are hereby advised that, pursuant to N.C.G.S. 130A-22, an administrative penalty of up to \$5,000 per day may be assessed for each violation of the Solid Waste Statute or Regulations. If the violation(s) noted here continue, 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 N.C. Adm. Code 13B .0542(1)(4) – Continued violation At the time of inspection it was noted that

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extensive actions have been taken to repair the leachate outbreaks observed during the February 9, 2007 inspection of the C&D landfill. Upon inspection, no leachate was observed flowing from the outbreak areas noted during that inspection. However, another distinct leachate outbreak was discovered on the slope near the southeast corner of the C&D landfill during this inspection. Leachate was observed flowing out from this outbreak area, down the landfill slope, and into the drainage ditch. Leachate was observed to flow from the ditch to a pipe under the service road at the northeast side of the landfill, and thereon to the down-gradient sediment basin.

Within seven (7) days of receipt of this Notice of Violation, take actions to correct the violation and otherwise be in compliance with the North Carolina Solid Waste Management Rules:

Control landfill leachate and prevent it from leaving the landfill site, or properly treat leachate prior to discharge.

AREAS OF CONCERN AND COMMENTS:

1. Visited facility during middle of operating day; met with Mr. Cherry and Mr. Beard. As mentioned above, I observed that work has been conducted along the northeast/east slope of the C&D landfill to repair the leachate outbreaks noted during the previous inspection. Mr. Beard explained that soil and rock/rubble had been applied and packed into the slope around the areas where leachate outbreaks were observed. At the time of inspection, it appeared that the repairs were sufficient to contain leachate within the landfill. Monitor these areas regularly for continuing leachate seepage; if the problem persists, take further actions to address and repair the outbreak areas and eliminate any leachate seeps.

Also, Mr. Cherry said that the standing water in the area of the service road near the south boundary of the C&D landfill (which has received leachate from the landfill) has been tested and determined to be suitable for management at the Lee County wastewater treatment facility. Mr. Cherry said he expected that this “contaminated” water would be pumped and hauled to the treatment facility in the near future.

2. Also observed that work has been performed on the northeast/east slope to repair eroded areas. Mr. Beard explained that a ryegrass/tall fescue grass mixture was sewn on the slope to establish better vegetative cover. I reminded county staff that such annual and/or cool-season grasses planted at this time of year likely would *not* survive to provide a sufficient long-term vegetative layer, and encouraged them to promptly develop a plan to establish a suitable permanent vegetative layer during the spring planting season. I suggested that staff consult local Agricultural Extension agents for aid in selecting plant species, preparing for, and implementing such a plan. Continue to monitor and repair both permanent and intermediate landfill slopes, including re-establishment and maintenance of vegetation in addition to erosion repair, as part of regular landfill maintenance.

3. Observed that the large C&D landfill working face area observed during the last inspection has been adequately covered with soil. Strive to maintain a smaller, more manageable working face on the landfill. Again, limiting the amount of exposed waste and regular covering of exposed waste each serve to limit infiltration of rainfall and surface runoff into the waste, and thus are part of a comprehensive solution to minimize infiltration and thus leachate production at the landfill. A smaller working face should also help control windblown waste by limiting the amount of waste exposed to the wind.

4. Observed little or no windblown waste at the time of inspection -- Good job! Mr. Cherry explained

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that additional manpower was utilized to collect all windblown litter, and would continue to be brought in when needed to stay on top of the windblown waste problem. Also, feel free to utilize temporary or moveable litter fences to catch waste that may escape the active landfill area. Remember that windblown waste should be collected and properly managed at the end of *each* operating day, as required by 15A N.C. Adm. Code 13B .0542(g)(3).

5. Observed that drainage ditches at the C&D landfill need cleanout, repair, and/or re-defining so as to maintain proper function according to approved plans. Conduct this maintenance promptly to ensure that runoff moves directly and unimpeded toward the sediment basin, and monitor the function of these ditches as part of regular landfill maintenance.

6. Facility staff operator certifications on record and dates of expiration are as follows: Tracy Beard, expiration 10/28/08; Lonnie Caudill, expired 2/3/07 (Mr. Caudill has recently completed re-certification); Herbert Garner, expiration 10/21/07; and Foy Morton, expiration 10/21/07.

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

Robert Hearn
Waste Management Specialist
Solid Waste Section

Phone: (919) 508-8522

cc: Mark Poindexter, Field Operations Branch Head
John Crowder, Eastern District Supervisor

Delivered on: 3/23/07 by		Hand delivery		US Mail	X	Certified No. 7005 1820 0003 4169 5764
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