



**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: February 9, 2007Date of Last Audit: May 23, 2006**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:**

Tracey Beard, Landfill Manager  
 Joseph Cherry, Solid Waste Supt.  
 Robert Hearn, Solid Waste Section

**STATUS OF PERMIT:**

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

**PURPOSE OF AUDIT:**

Partial audit

**NOTICE OF VIOLATION:**

15A N.C. Adm. Code 13B .0542(1)(4) states that "Leachate must be contained on site or treated prior to discharge. An NPDES permit may be required prior to the discharge of leachate to surface waters."

The Lee County C&D landfill is in violation of this Rule in that during this inspection, leachate was observed flowing from the C&D landfill at six or more separate spots on the inactive, northeast slope and the active, eastern portion of the landfill. The leachate was observed flowing into a pipe under the service road at the northeast side of the landfill, and thereon to the down-gradient sediment basin. Liquid was observed to be flowing out from the standpipe system drain pipe at the basin. I discussed the

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situation with Mr. Beard and Mr. Cherry and directed them to take action to control the leachate break-outs and contain leachate on site or treat it prior to discharge.

It was also observed during inspection that some of the leachate draining from the east side of the landfill has drained into a nearby area of standing water located approximately seventy feet east of the edge of the landfill, approximately in the area of the service road. While it is likely that this standing water is mostly a result of storm water runoff, leachate drainage patterns observed at the time of inspection indicate that landfill leachate has reached this standing water. Thus, this standing water is contaminated with leachate and accordingly should be managed as leachate. I advised Mr. Cherry that it may be appropriate to pump and haul this contaminated water for treatment at a permitted sanitary sewage treatment facility.

Within 14 days of receipt of this Notice of Violation, take action to correct this violation and otherwise be in compliance with the N.C Solid Waste Management Rules:

Control landfill leachate and prevent it from leaving the landfill site, or properly treat leachate prior to discharge. Because of the numerous leachate outbreaks at the site, a comprehensive approach to repair and elimination of leachate may be required, perhaps to include an engineered solution to collection and/or treatment.

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:**

(none)

**AREAS OF CONCERN AND COMMENTS:**

1. Discussed with Mr. Beard and Mr. Cherry a comprehensive approach to addressing the leachate problem at the C&D landfill. Pointed out the need for repair and maintenance work on the inactive, northeast slope of this landfill. Subsidence, poor or eroded soil cover, and thin or non-existent vegetative cover observed along this slope may each be contributing to excessive infiltration of rainfall and surface runoff on the slope and up-gradient areas, which may in turn be contributing to the leachate generation observed in this area of the landfill. Take actions as soon as possible to repair and maintain this northeast landfill slope, to include repair of subsided and eroded areas, application of sufficient soil cover, and establishment of adequate vegetative cover. These actions should be undertaken concurrently with leachate break-out repairs in this area as part of a comprehensive approach to addressing the leachate problem at this facility.
2. Observed that the working face area of the C&D landfill is too large. Contain the working face to the smallest area practical, and cover all exposed waste every seven (7) days, or when the exposed area reaches one-half acre in size, as required by 15A N.C. Adm. Code 13B .0542(f)(1). A notation of the date and time of the cover placement should be recorded in the operating record each time cover material is applied. 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.

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3. Observed wind-blown waste at several areas around and on the C&D landfill. This 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). If manpower is the limitation to completing this requirement, take actions to address the situation so as to be able to accomplish daily wind-blown waste pick up.

4. Facility staff operator certifications on record and dates of expiration are as follows: Tracey Beard, expiration 10/28/08; Lonnie Caudill, expired 2/3/07; 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.

Phone: (919) 508-8522

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Robert Hearn  
Waste Management Specialist  
Solid Waste Section

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

Delivered on: 2/22/07 by	X	Hand delivery		US Mail		Certified No.
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