



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

<b>UNIT TYPE:</b>											
Lined MSWLF		LCID		YW		Transfer		Compost		SLAS	<b>COUNTY: HENDERSON</b> <b>PERMIT NO.: 45-01</b> <b>FILE TYPE: COMPLIANCE</b>
Closed MSWLF	<b>X</b>	HHW		White goods		Incin		T&P		FIRM	
Closed CDLF	<b>X</b>	Closed CDLF atop Closed MSWLF	<b>X</b>	Asbestos Disposal Area(s)	<b>X</b>	TVA Industrial Landfill	<b>X</b>	DEMO	<b>X</b>	SDTF	

**Date of Audit:** 06/11/2010

**Date of Previous Site Visit:** 04/28/10.

**FACILITY NAME AND ADDRESS:**

Henderson County Solid Waste Landfill

**GPS COORDINATES:** N: 35.35558, E: -82.49531

**FACILITY CONTACT NAME AND PHONE NUMBER:**

Marcus Jones – Henderson Co. Director of Engineering  
 100 N. King Street  
 Hendersonville, NC 28792

**FACILITY CONTACT ADDRESS:**

Henderson County Solid Waste Transfer Facility  
 802 Stoney Mountain Road  
 Hendersonville, NC 28971  
 (828) 697-4505

**AUDIT PARTICIPANTS:**

Andrea Keller – DENR Solid Waste Section  
 Natalie Berry – Henderson Co. Asst. County Engineer

**STATUS OF PERMIT:**

MSWLF Transition Plan Approval – November 13, 1995  
 MSWLF stopped receiving waste – December 31, 1997  
 MSWLF and C&DLF on top of closed MSWLF Closure Permit – April 11, 2006  
 C&DLF stand-alone PTO – October 4, 2001  
 C&DLF stand-alone – Inactive (waiting on formal closure letter from the Section)

**PURPOSE OF AUDIT:**

PARTIAL

**NOTICE OF VIOLATION(S):** NONE

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.

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**STATUS OF PAST NOTED VIOLATIONS:**

RESOLVED: 15A NCAC 13B .0505(4)(a)

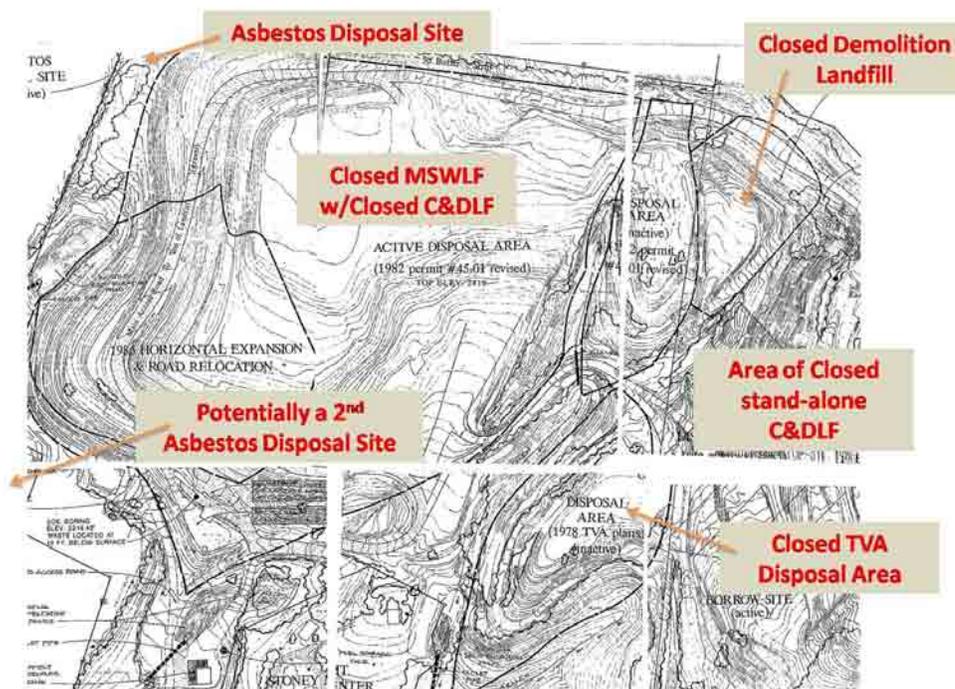
RESOLVED: 15A NCAC 13B .0505(6)(a)

RESOLVED: 15A NCAC 13B .1627(d)(1)(A)

**AREAS OF CONCERN AND COMMENTS:**

**GENERAL COMMENTS:**

1. On site to conduct follow-up audit to the previous (03/10/10) comprehensive audit of the closed MSWLF, closed C&DLF located on top of the closed MSWLF, and the inactive stand-alone C&DLF (awaiting formal closure from the Section). In addition to these three fill areas, the following fill activities are located within the facility boundary (a 1992 Gas Monitoring Probe Location Map, sheet one; a 1992 Base Area Existing Solid Waste Disposal Facility map, sheet 1; and a 1993 Site Plan Proposed Final Contours/Existing Contours sheet 2):
  - a. Closed TVA Disposal Area (1978)
  - b. Closed Disposal Area 1982 Permit
  - c. Demolition Landfill (inactive)
  - d. Asbestos disposal site (inactive)
  - e. Asbestos disposal site (proposed)



partial 1992 site map

2. The County has worked to control the active beneficial fill area located south of the current white goods area (governed under the 45-04T permit). Materials not meeting the definition of beneficial fill have been removed from the area.
3. The County has worked to remove waste from the drainage/creek area (cited in previous audit with a build-up of surface waste (metals and plastics), windblown material, and/or uncovered waste).

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4. The County met the compliance deadline of May 7, 2010, in that they submitted a plan to the Section detailing corrective actions for settlement, subsidence, erosion, and woody vegetation issues cited in the Notice of Violation for both the MSWLF unit and the closed C&DLF unit atop the MSWLF unit.

INACTIVE (stand-alone) C&DLF COMMENTS:

In order to resolve the Notice of Violation, the County met the June 4, 2010, compliance deadline to correct the settlement, subsidence, erosion, and vegetation requirements at the C&DLF unit.

1. During the previous audit the erosion ditch pictured below (located below the CDLF) had exposed waste. The County has repaired this area of the facility (see photos below).



2. During the previous audit it was stated that the *EOW markers will need to be re-established for the closed C&DLF.*



3. During the previous audit, slumping was visible on the southwestern slope of the landfill and several leachate seeps were noted. The County had conducted substantial work to correct the slumping, repair the seeps, and stabilize vegetation on the cap system.

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4. During the previous audit, the access road on the C&DLF was slumping and eroding and the ground cover appeared unstable (visible cracking). The County has conducted substantial work in this region to stabilize the access road, repair the slumping/cracking, and to stabilize the vegetation on the CDLF cap.



CLOSED MSWLF COMMENTS:

1. During the previous audit it was noted that significant vegetation had taken root on the outside perimeter of the access road (but within the disposal unit).

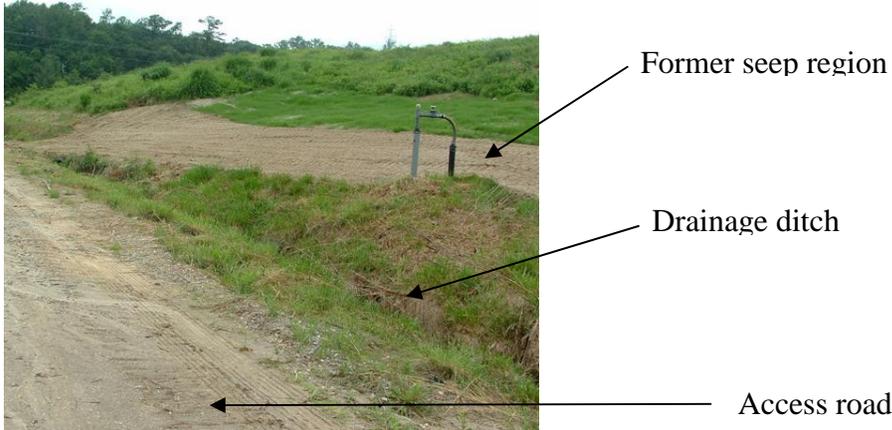


Note: a large amount of established woody/tree growth had been removed/cleared during this process, the slope was re-graded and seeded to re-establish manageable grass cover, and seeps had been repaired.

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2. The County had corrected the EOW markers to reflect the disposal units/site maps. Additional EOW markers will be installed following completion of the work (clearing of trees, reshaping of the cap system, etc.) at the MSWLF.
3. Several seeps were noted along the closed MSWLF cap system. The County has repaired these seeps and seeded the repaired area.



4. As a reminder, stated in the 04/28/10 audit report (focusing on the landfill gas monitoring plans), the following actions are required:

***During the upcoming permit renewal process, an updated Landfill Gas Monitoring Plan which includes all LFG monitoring points and all site structures which require monitoring should be submitted to the Section. Questions regarding this plan should be directed to the permitting engineer, Larry Frost (828-296-4704). In the interim, all structures which are occupied or utilized in any form (activity building, landfill office, scale house, landfill shop, transfer station structure, and the Trace barn) should be immediately included as part of ongoing LFG monitoring.***

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

Andrea Keller  
 Environmental Senior Specialist  
**Regional Representative**

Phone: (828) 296-4700

Mailed on : <u>06/18/10</u> by		Hand delivery		US Mail		Certified No.
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cc: Mark Poindexter, Field Operations Branch Supervisor  
 Deb Aja, Western District Supervisor  
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