



FACILITY COMPLIANCE AUDIT REPORT

Division of Waste Management Solid Waste Section

UNIT TYPE: (check all that apply to this audit with same Permit number)

Lined MSWLF	<input checked="" type="checkbox"/>	LCID	<input type="checkbox"/>	YW	<input type="checkbox"/>	Transfer	<input type="checkbox"/>	Compost	<input type="checkbox"/>	SLAS	<input type="checkbox"/>	COUNTY: Davidson PERMIT NO.: 29-06 FILE TYPE: COMPLIANCE
Closed MSWLF	<input type="checkbox"/>	HHW	<input checked="" type="checkbox"/>	White goods	<input checked="" type="checkbox"/>	Incin	<input type="checkbox"/>	T&P	<input type="checkbox"/>	FIRM	<input type="checkbox"/>	
CDLF	<input checked="" type="checkbox"/>	Tire T&P / Collection	<input type="checkbox"/>	Tire Monofill	<input type="checkbox"/>	Industrial Landfill	<input type="checkbox"/>	DEMO	<input type="checkbox"/>	SDTF	<input type="checkbox"/>	

Date of Audit: 06/27/07.

Date of Last Audit: 01/24/07

FACILITY NAME AND ADDRESS:

Davidson County Integrated Solid Waste Facility
 220 Davidson County Landfill Road
 Lexington, N.C. 27292

GPS COORDINATES: (Decimal Degrees) N: 35.85281 **E:** 80.17620

FACILITY CONTACT NAME AND PHONE NUMBER:

Charles Brushwood, Solid Waste Director
 Office- 336-242-2284
 Cell- 336-240-0303
 e-mail- cbrushwood@co.davidson.nc.us

FACILITY CONTACT ADDRESS (IF DIFFERENT):

Davidson Solid Waste Management
 1242 Old U.S Highway 29
 Thomasville, North Carolina 27360

AUDIT PARTICIPANTS:

Charles Brushwood, Solid Waste Director
 Angela Jones, Administrative Assistant
 Steven Sink, Landfill Supervisor
 Daniel Freeman, C&D Landfill Operator
 Elly Barton, HHW Facility

Mike Lankford , HHW Facility
 Linda Riner, Scale House/Scrap Tire Specialist
 Hugh Jernigan, N.C. Solid Waste Section

STATUS OF PERMIT:

Modification issued May 30, 2000 for Permit to Operate (MSW Unit, Phase 1, Area 2, Cell 1).
 Modification issued June 22, 2001 for Permit to Operate (HHW Facility).
 Modification issued November 20, 2001 for Permit to Operate (C&D Unit).
 Modification issued May 15, 2002 for Mobile Home Deconstruction and Alternative Daily Cover.
 Modification issued June 24, 2003 for Permit to Operate (MSW Unit, Phase 1, Area 2, Cell 2).
 Modification issued April 5, 2006 for Permit to Operate (C&D Unit, Phase 2)

Permit Expiration Date May 30, 2010.

PURPOSE OF AUDIT:

Comprehensive Audit

FACILITY COMPLIANCE AUDIT REPORT
Division of Waste Management
Solid Waste Section

Page 2 of 2

NOTICE OF VIOLATION(S) (citation and explanation):

NONE

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 (List all noted last audit):

NONE

AREAS OF CONCERN AND COMMENTS:

1. The facility consists of a MSW landfill, C&D landfill, HHW collection facility, tire collection site, white goods building and processing facility, a metals collection site, a waste drop-off convenience area for cars and small trucks, a swap shop area, household textiles recycling area, electronics recycling site, a drop-off convenience area for selected recyclables, and a material recovery facility for collected recyclables.
2. The service area for the facility is Davidson County.
3. Observed operations at white goods facility, metals collection site, convenience areas, tire collection site, electronics recycling site, household textiles recycling area, swap shop area, and the material recovery facility. The material recovery facility processes items from the Davidson County recycling program and collected recyclables from the cities of Lexington and Thomasville.
4. Reviewed operational plans for MSW.
5. Observed operations at the MSW landfill. Currently operating in Phase 1, Area 2.
6. The MSW unit is currently receiving approximately 350-400 tons per day, and received 9149.55 tons for the month of May 2007.
7. There is approximately 12-14 months of airspace remaining for the MSW landfill unit. Davidson County has received site suitability approval for Phase 2 of the landfill and the construction application is currently under review by the Solid Waste Permitting Section.
8. Working face was observed to be well controlled and compacted, and there was adequate daily cover from recent operations. Approved alternative daily cover (tarping system) is also being utilized.
9. There is adequate intermediate soil cover on the active Phase 1 Area 2, but removal of minor amounts of materials visible on the surface or additional soil cover may be necessary on the south facing side slopes of Area 2.
10. There was a small fire at the working face of the MSW unit from an incoming load during the facility visit. Received verbal notification that the fire was immediately extinguished and received Fire Occurrence Notification form for the 6/27/07 event.
11. Area 3 and parts of Area 1 have undergone approved closure. There were erosion areas noted in the soil cover in storm water drainage areas on the north facing side slope of Area 1 and east facing side on Area 3. **These erosion areas should be repaired immediately due to potential damage to the regulatory cap. Notification of repair of erosion areas should be submitted to the Solid Waste Section upon completion of repairs.**
12. Windblown material well controlled and collected. Fencing at the edge of the landfill effective in controlling windblown materials.
13. The leachate collection system lagoon at the north side of the landfill was observed to have minimal leachate and currently has large capacity.
14. Reviewed leachate collection system hauling logs. The facility has hauled approximately 168,000 gallons of collected leachate to the Lexington Wastewater Treatment Plant during May 2007 and 276,000 gallons during April 2007.
15. Leachate re-circulation has been approved by permit for the MSW unit, but not being conducted.

FACILITY COMPLIANCE AUDIT REPORT
Division of Waste Management
Solid Waste Section

Page 3 of 3

16. Roadways well maintained.
17. Monitoring wells were locked and all weather roads to the wells are maintained.
18. Reviewed operational plans for the C&D landfill.
19. Observed operations at the C&D landfill. The C&D landfill facility began receiving waste on December 4, 2001. Site well operated and maintained. Excellent soil cover and adequate compaction of waste from daily operations were observed at the C&D facility. Excellent soil cover over intermediate areas. Edge of waste boundary markers in place. The C&D landfill receives approximately 50-60 tons per day and received approximately 1,200 tons for the month of May 2007.
20. Periodic deconstruction of mobile homes being conducted in accordance with the Permit at the C&D landfill. Metals and other recyclables being pulled from the waste stream.
21. Reviewed HHW facility operational plans.
22. Reviewed HHW facility operational logs including daily receipt logs and shipping manifest.
23. The facility was observed to be clean and well maintained, with minimal inventory on site. The facility receives paints, poisons, flammable solvents, flammable solids, antifreeze, used oils, oxidizers, compressed gas, acids, batteries, and other miscellaneous HHW waste.
24. The HHW facility received 7,236 pounds of waste for the month of May 2007, and typically receives 5,000-11,000 pounds of HHW per month.
25. Reviewed tire certifications and county tire collection program guidelines.
26. Reviewed landfill operational logs including tonnage reports for all facility units, random inspections, leachate hauling records, leachate system inspection records, methane monitoring, and semiannual monitoring event (reviewed December 2006 sampling event data, most recent sampling event June 2007).
27. Random inspection program includes one random inspection being conducted at the C&D landfill and three per week at the MSW landfill. Random inspections are being conducted in accordance with the operation plans.
28. Review of training records include the following SWANA certifications: Charles Brushwood, Certified Landfill Manager-expires 04/15/09; Steven Sink Certified Landfill Manager-expires 04/30/08; Karry Blaylock, Certified Landfill Manager-expires 04/28/09; Angela Jones, Landfill Operations Specialist-expires 03/27/13; Daniel Freeman, Landfill Operations Specialist-expires 02/07/10; Keith Cecil, Landfill Operations Specialist-expires 05/16/09; and Daniel James, Landfill Operations Specialist-expires 04/28/09.
29. Conducted discussions on C&D landfill rules (.0532- .0547) as pertains to the currently operating C&D landfill at the site.

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

Hugh Jernigan Phone: 336-771-5093
Regional Representative

Distribution: original signed copy to facility -- signed copy to compliance officer – e-mail or copy to super

Delivered on : <u>06/28/07</u> by		hand delivery	X	US Mail		Certified No. []
-----------------------------------	--	---------------	----------	---------	--	-------------------