NCDENR
NORTH CAROLINA DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES

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	X	LCID		YW		Transfer		Compost		SLAS	
Closed MSWLF		HHW	X	White goods	X	Incin		T&P		FIRM	
CDLF	X	Tire T&P / Collection		Tire Monofill		Industrial Landfill		DEMO		SDTF	

COUNTY: Davidson
PERMIT NO.: 29-06
FILE TYPE: COMPLIANCE

Date of Audit: 12/19/07. Date of Last Audit: 06/27/07

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
Elly Barton, HHW Facility
Mike Lankford , HHW Facility
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 March 17, 2006 for Permit to Operate (C&D Unit, Phase 2)
Permit to Construct Phase 2 Area 1 issued September 28, 2007
Permit Review Date May 30, 2010.

PURPOSE OF AUDIT:
Comprehensive Audit

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 collection 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. Attended weekly construction meeting for the Phase 2 Area 1 MSW landfill area. T&K Construction is continuing earth working activities. Test pad completed December 19, 2007 and clay liner placement is scheduled to begin on January 4, 2008.
4. 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.
5. Reviewed operational plans for MSW unit and C&D unit.
6. Reviewed operational records for the MSW unit and C&D unit.
7. Observed operations at the MSW landfill. Currently operating in Phase 1, Area 2.
8. The MSW unit is currently receiving approximately 350-400 tons per day, and received approximately 9,286 tons for the month of October 2007.
9. There is approximately 7-9 months of permitted airspace remaining for the Phase 1 MSW landfill unit. A permit modification application is being prepared for a vertical expansion for the Phase 1 unit in order to allow for disposal capacity for Davidson County until the Area 2 Permit to Operate is issued.
10. 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.
11. **Control and collection of windblown materials at the MSW unit was found to be inadequate. A re-inspection will be conducted at the facility within thirty days to evaluate control and collection of windblown material.**
12. There is adequate intermediate soil cover on the active Phase 1 Area 2. Seeding was conducted on the intermediate side slopes of Area 2 in October 2007. Removal of minor amounts of waste materials visible on the surface of Area 2 due to windblown materials and/or additional soil cover should be conducted.
13. Received Fire Occurrence Notification form for a fire at the working face on 12/15/07. Received verbal notification of the event on 12/17/07. Procedures for waste acceptance from PPG Industries are being revised as a result of the fire.
14. The Phase 1 Area 3 and parts of Area 1 have undergone approved closure. 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 noted in previous inspection have been repaired. Written notification of the completion of repairs was received on 10/11/07.

15. The leachate collection system lagoon at the north side of the landfill was observed to have minimal leachate and currently has large capacity.
16. Reviewed leachate collection system hauling logs. The facility hauled approximately 142,000 gallons of collected leachate to the Lexington Wastewater Treatment Plant during November 2007.
17. ~~Leachate re-circulation has been approved by permit for the MSW unit, but not being conducted.~~
18. Roadways well maintained.
19. Monitoring wells were locked and all weather roads to the wells are maintained.
20. 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 40-50 tons per day and received approximately 1,200 tons for the month of May 2007.
21. Deconstruction of mobile homes is approved by 05/15/02 Permit modification at the C&D landfill. No mobile home deconstructions have been conducted in recent months. Metals and other recyclables are being pulled from the waste stream.
22. Reviewed HHW facility operational plans and contingency plans.
23. Reviewed HHW facility operational records including daily receiving logs, weekly staff inspection logs, weekly inventory logs, and shipping manifest. Collected HHW at the site is sent to Clean Harbors. Last pick-up by Clean Harbors was conducted September 2007 and included 400 pounds of flammables, 3,000 pounds of paint, and 200 pounds of corrosives.
24. 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.
25. Reviewed other landfill operational logs and records including tonnage reports for all facility units, random inspections, financial assurance approvals, leachate hauling records, leachate system inspection records, methane monitoring, and semiannual monitoring events.
26. Random inspection program includes one random inspection being conducted at the C&D landfill and three per week at the MSW landfill. Rate of random inspections are being conducted in accordance with the operation plans. **Discussions were held concerning a possible modification of the random inspection form for the C&D landfill unit to include point of origin and generation type (construction, remodeling, demolition, etc.) to assure the waste disposed in the C&D landfill is generated by construction or demolition operations only, as per Solid Waste Rules.**
27. Review of training records include the following SWANA certifications: Charles Brushwood, Certified Landfill Manager-expires 04/15/09; Steven Sink, Certified Landfill Manager-expires 11/30/10; Karry Blaylock, Certified Landfill Manager-expires 04/28/09; Angela Jones, Landfill Operations Specialist-expires 03/27/10; 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 02/07/10; Michael Lankford, Landfill Operations Specialist-expires 02/07/10; Judy Morelock, Landfill Operations Specialist-expires 02/07/10; Linda Riner, Landfill Operations Specialist-expires 02/07/10; Mark Pierce, Landfill Operations Specialist-expires 05/16/09; Sherri Robbins, Landfill Operations Specialist-expires 04/05/08; and Brant Peoples, Landfill Operations Specialist-expires 02/25/08.

28. Conducted discussions on C&D landfill rules (.0532- .0547) as pertains to the currently operating C&D landfill at the site. **As per .0531 (c) (2), the Davidson County C&D Landfill must meet the requirements of .0547 (2) (a) (closure and post closure plan) and (b) (financial responsibility) which require submittal to the Solid Waste Section by July 1, 2008. The C&D Landfill unit is not required to meet the operation plan requirements under .0542 at this time. The C&D Landfill should continue to operate under the current approved operation plans and permit requirements.**

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 : 12/20/07 by	X	e-mail		US Mail		Certified No. [ ]