



FACILITY COMPLIANCE AUDIT REPORT

Division of Waste Management Solid Waste Section

UNIT TYPE:

Lined MSWLF		LCID		YW		Transfer		Compost		SLAS		COUNTY: Guilford PERMIT NO.: 41-03 FILE TYPE: COMPLIANCE
Closed MSWLF	X	HHW		White goods		Incin		T&P		FIRM		
CDFL	X	Tire T&P / Collection		Tire Monofill		Industrial Landfill		DEMO		SDTF		

Date of Audit: 01/21/11**Date of Last Audit:** 05/19/10**FACILITY NAME AND ADDRESS:**

City of Greensboro, White Street Landfill
 2503 White Street
 Greensboro, N.C. 27405

GPS COORDINATES: **N:** 36.10831 **E:** 79.73095**FACILITY CONTACT NAME AND PHONE NUMBER:**

Jason Jernigan, Interim Waste Disposal Manager
 Office: 336-412-3959
 Landfill: 336-373-7658
 Cell: 336-587-3445
 e-mail: jason.jernigan@greensboro-nc.gov

FACILITY CONTACT ADDRESS:

City of Greensboro, Environmental Services
 Department, Solid Waste Management Division
 P.O. Box 3136
 Greensboro, North Carolina 27402

AUDIT PARTICIPANTS:

Jason Jernigan, Interim Waste Disposal Manager
 Gail Hay, Technical Services Manager
 Jason Jernigan, Operations Supervisor
 Lewis Walker, Compliance Supervisor
 Hugh Jernigan, N.C. Solid Waste Section

STATUS OF PERMIT:

Closed MSW Landfill, C&D over Closed MSW Landfill
 Original Issue Date: January 7, 1998 (Stage I)
 Permit Modification: October 7, 1998 (Stage II)
 Permit Modification: April 15, 2000 (Stage III)
 Permit Modification: May 25, 2006 (Extension)

Permit Expired**Permit Review Date: July 1, 2008****PURPOSE OF AUDIT:**

Comprehensive Audit

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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.

STATUS OF PAST NOTED VIOLATIONS:

NONE

AREAS OF CONCERN AND COMMENTS:

1. The facility is a Closed MSW Landfill (Phase II), Construction and Demolition Landfill over a closed MSW Landfill. A Large Type One Compost Facility is also covered under Permit No. 41-03, and a MSW Landfill under Permit No. 41-12 is at the same location and utilizes the same scale house facilities.
2. The service area for the facility is limited to Guilford County.
3. The facility permit for the C&D Landfill over a closed MSW Landfill was scheduled for review July 1, 2008. The facility submitted a permit application (June 2008) as required by the Construction and Demolition rules for the continued operation of the facility. The application includes updated operational plans. The City has had communications with the Solid Waste Section Permitting Staff regarding the application. The application is currently under review by the Solid Waste Section Permitting Staff.
4. Reviewed facility operational records including tonnage reports, random inspections, methane monitoring, semiannual monitoring, and training logs.
5. Reviewed landfill training records. The facility has numerous SWANA certifications for landfill operators and managers, including the following:
Jason Jernigan, Certified Landfill Manager, expires 02/11/13; Lewis Walker, Certified Landfill Manager, expires 06/26/12; Robert Rash, Compost Manager, expires 04/10/13; John Bauer, Certified Landfill Operations Specialist, expires 10/19/13; David Frazier, Certified Landfill Operations Specialist, expires 10/19/13; Robert Rash, Certified Landfill Operations Specialist, expires 10/19/13; Lewis Walker, Certified Landfill Operations Specialist, expires 02/08/11; Chuck Waite, Certified Landfill Operations Specialist, expires 02/08/11; Gail Hay, Certified Landfill Operations Specialist, expires 03/15/13; John Bald, Certified Landfill Operations Specialist, expires 12/04/12; Shane Manley, Certified Landfill Operations Specialist, expires, 10/19/13.
6. The Construction and Demolition landfill receives an average of 4,000-5,000 tons monthly. The facility has disposed of 25,635.57 tons of C&D waste for the period July – December 2010.
7. Reviewed random inspection program and recent random inspection records. Approximately one random inspection per day is conducted on incoming C&D waste. Reviewed recent random inspection reports.
8. Reviewed semiannual ground water, leachate, and surface water monitoring report conducted October 2010.
9. The facility is currently conducting an approved ground water assessment program and a ground water remediation plan has been approved by the Solid Waste Section. The remediation project consisting of the utilization of phytoremediation and natural attenuation for the Phase II area is scheduled to begin in March of 2011 (tree planting).
10. Closed MSW areas were observed to have good vegetative cover. Mowing of vegetation on Phase II was last conducted in the fall of 2010. The facility operation plan states vegetation on the closed MSW landfill is to be mowed twice a year.
11. All sedimentation basins are well maintained with adequate capacities, no on site or off-site erosion noted. All sedimentation basins were cleaned November 2010. The facility has an active Land Quality Erosion Control Permit.
12. Financial assurance documentation was submitted to the Solid Waste Section on November 1, 2010. The last financial assurance approval letter was sent to the City of Greensboro from the Solid Waste Section on March 18, 2010.
13. The facility has a Storm Water NPDES Permit, is conducting the required storm water monitoring, and has been recently inspected by Water Quality.

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14. Reviewed methane monitoring reports. The last methane monitoring event was conducted November 17, 2010. An exceedance of the LEL for methane was noted at a monitoring point located at the northeast portion of the closed landfill. Additional soil cover was applied in the area, and additional monitoring revealed no exceedances. No other exceedances were detected in facility structures, in monitoring wells, or at facility boundaries. The facility utilizes a GEM 500 - TVA gas monitor which is field calibrated monthly and the monitor receives a manufacturer's calibration yearly, as per the unit specifications.
15. The facility has a Title V Permit for landfill gas emissions from the Division of Air Quality.
16. A landfill gas extraction/collection system is approved for the Phase II area (in combination with approval for the Phase III area system permitted under Permit 41-12). Collected landfill gas may be flared or utilized for boiler fuel by Cone Mills Corporation. For the period January-December 2010, approximately 585 million cubic feet of landfill gas was extracted from the Phase III area, with approximately 80% being utilized by Cone Mills.
17. No landfill gas odors were observed on or around the Phase II landfill area.
18. Monitoring wells observed to be locked and protected by fencing. Roadways are maintained for access to the monitoring wells.
19. Observed landfill operations at the Construction and Demolition Landfill unit.
20. Waste being disposed observed to be accordance with C&D rule and permit requirements.
21. The working face was well controlled and the waste was well compacted. Adequate soil cover observed over recently filled disposal areas and intermediate areas.
22. The Construction and Demolition Landfill has approximately 5-8 years of disposal volume remaining.
23. The facility maintains a log of soil cover activities. Reviewed soil cover logs.
24. Windblown materials effectively controlled and collected. No windblown materials were observed in or around the Construction and Demolition Landfill.
25. Roadways are well maintained throughout the facility.
26. A convenience site for construction and demolition waste disposal is maintained at the site for cars and small vehicles. The convenience area was observed to be clean and well maintained.
27. The facility was requested during a previous audit to submit documentation to verify current contours and determine applicability of closure requirements as per "15A NCAC 13B .0543 (c) (5) (b) The owner and operator must begin closure activities for that portion of each C&DLF unit meeting one or more of the following requirements....." "No later than 30 days after the date that a 10 acre or greater area of waste, is within 15 feet of final design grades;..".
28. The facility has submitted the documentation and closure plan. Revision and approval of the plan is being reviewed by the Solid Waste Section.

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



 Hugh Jernigan
 Environmental Senior Specialist
Regional Representative

Phone: 336-771-0593

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cc: Mark Poindexter, Field Operations Branch Supervisor
 Jason Watkins, Central District Supervisor
 Donald Herndon, Compliance Officer