



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

**UNIT TYPE:**

Lined MSWLF		LCID		YW		Transfer		Compost		SLAS		<b>COUNTY: Guilford</b> <b>PERMIT NO.: 41-03</b> <b>FILE TYPE: COMPLIANCE</b>
Closed MSWLF	<input checked="" type="checkbox"/>	HHW		White goods		Incineration		T&P		FIRM		
CDLF	<input checked="" type="checkbox"/>	Tire T&P / Collection		Tire Monofill		Industrial Landfill		DEMO		SDTF		

**Date of Site Inspection:** 03/26/13

**Date of Last Inspection:** 02/08/12

**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, 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

**PARTICIPANTS:**

Jason Jernigan, Interim Waste Disposal Manager  
 Lewis Walker, Compliance Supervisor  
 Robert Rash, Compost Facility Manager  
 Hugh Jernigan, N.C. Solid Waste Section

**STATUS OF PERMIT:**

**Closed MSW Landfill, C&D over Closed MSW Landfill**

Original Issue Date (C&D over Closed MSW, Stage I): January 7, 1998  
 Permit Modification (C&D over Closed MSW, Stage II): October 7, 1998  
 Permit Modification (C&D over Closed MSW, Stage III): April 15, 2000  
 Permit Amendment (Continued Operation, C&D over Closed MSW): May 25, 2006  
 Permit Amendment (Continued Operation, C&D over Closed MSW): March 30, 2012  
**Permit Expiration Date: March 30, 2017**

**PURPOSE OF SITE VISIT:**

Comprehensive Site Inspection

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**STATUS OF PAST NOTED VIOLATIONS:**

NONE

**OBSERVED VIOLATIONS**

NONE

The item(s) listed above were observed by Section staff and require action on behalf of the facility in order to come into or maintain compliance with the Statutes, Rules, and/or other regulatory requirements applicable to this facility. Be 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 Laws, Regulations, Conditions of a Permit, or Order under Article 9 of Chapter 130A of the N.C. General Statutes. Further, the facility and/or all responsible parties 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.

**ADDITIONAL COMMENTS**

1. The facility covered under Permit No. 41-03 is a Closed MSW Landfill (Phase II), Construction and Demolition Landfill over a closed MSW Landfill. A Large Type One Compost Facility is covered under Permit No. 41-03SWC, 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 closed MSW Landfill consists of 135 acres. A permit for disposal of construction and demolition waste over a closed MSW Landfill was issued in 1998 for a 65 acre footprint.
4. The Construction and Demolition Landfill disposal area has approximately 25-30 years of disposal volume remaining based on current disposal rates.
5. Reviewed facility operational records including tonnage reports, random inspections, methane monitoring, semiannual monitoring, and training logs.
6. Financial assurance documentation submitted to the Solid Waste Section approved on February 26, 2013.
7. Reviewed landfill training records. The facility has numerous SWANA certifications for landfill operators and managers, including the following:  
Jason Jernigan, Certified Landfill Manager, expires 02/11/16, Lewis Walker, Certified Landfill Manager, expires 06/26/15; Robert Rash, Certified Compost Program Manager, expires 02/11/16; Gail Hay, Certified Landfill Manager, expires 03/24/15; Clyde Harding, Certified Landfill Manager, expires 03/26/15; Barry Cobb, Certified Landfill Operations Specialist, expires 02/28/15; Barnard Garner, Certified Landfill Operations Specialist, expires 11/15/14; Eddie Briggs, Certified Landfill Operations Specialist, expires 03/26/15; Donald Van Eaton, Certified Landfill Operations Specialist, expires 11/15/14; Shane Manley, Certified Landfill Operations Specialist, expires, 07/30/13. John Bald, Wilbert Carter, Shane Manley, Larry Rummage, Tracy Toles, and Cindy Verdeck have recently completed the Certified Landfill Operations Specialist class but have not received certificates as of the date of this inspection.
8. The Construction and Demolition landfill typically receives an average of 2,500-5,000 tons monthly. The facility disposed of 2,567.44 tons of C&D waste during the month of February 2013. During the reporting period July 1, 2011-June 30, 2012 the facility received 42,710.35 tons of waste.
9. Reviewed random inspection/waste screening program and recent random inspection records. Approximately one random inspection per day is conducted on incoming C&D waste. Twenty one (21) random inspections were conducted during the period March 1- March 25, 2013.
10. Reviewed semiannual ground water and surface water monitoring report conducted on October 24-31, 2012 on 12 monitoring wells and 5 surface water locations. During the October monitoring event 10 volatile organic compounds were detected in one or more monitoring well locations. Vinyl chloride, benzene, 1,4-dichlorobenzene, tetrachloroethene, and 1,1 dichloroethane were found to exceed the 2L groundwater water quality standards. The metals chromium, cobalt, and vanadium also were found to exceed the 2L ground water quality standards.

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11. The facility is currently conducting an approved ground water assessment program and a ground water remediation program has approved by the Solid Waste Section. The approved Corrective Action Plan consists of the utilization of phytoremediation and natural attenuation for the Phase II area. Hybrid poplar trees have been planted and are being monitored as part of the Corrective Action Plan.
12. Closed MSW areas were observed to have good vegetative cover. The facility typically conducts cap mowing operations two or more times per year. Facility operation plan stipulates vegetation on the closed MSW landfill is to be mowed twice a year.
13. All sedimentation basins are well maintained with adequate capacities, no on site or off-site erosion noted. All sedimentation basins have adequate retention space. The facility has an active Land Quality Erosion Control Permit.
14. The facility has a Storm Water NPDES Permit NCG 120000, and is currently undergoing renewal. The facility is conducting the required storm water monitoring, and has been recently inspected by Water Quality.
15. Reviewed landfill gas monitoring reports. The last quarterly monitoring event was conducted December 31, 2012. No exceedances were detected at the sampling locations consisting of 8 landfill gas monitoring wells, maintenance building, compost shed, phase II blower building, compliance building and four surface locations. Sampling is conducted with a GEM 2000 gas monitor and the facility maintains manufacturer's calibration and field calibration data for the unit.
16. The facility has a Title V Permit for landfill gas emissions from the Division of Air Quality. Surface monitoring for methane is also conducted as a condition for the Air Quality permit.
17. 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. During January 2013, approximately 54.4 million cubic feet of landfill gas was extracted from the Phase II and closed Phase 1 MSW Landfill areas. During the calendar year 2012 approximately 548.2 million cubic feet of landfill gas was extracted, typically being utilized by Cone Mills as boiler fuel.
18. No landfill gas odors were observed on or around the Phase II landfill area.
19. Monitoring wells observed to be locked and protected by fencing. Roadways are maintained for access to the monitoring wells.
20. Observed landfill operations at the Construction and Demolition Landfill unit.
21. Waste being disposed observed to be accordance with C&D rule and permit requirements.
22. The working face was well controlled and the waste was well compacted. Adequate soil cover observed over recently filled disposal areas and intermediate areas.
23. The facility maintains a log of soil cover activities. Review of soil cover logs indicated compliance with soil cover requirements as per .0524 "Operation Plan and Requirements for C&DLF Facilities".
24. Windblown materials effectively controlled and collected. Temporary fencing installed near the active working face appears to be effective in limiting windblown materials. No windblown materials were observed in or around the Construction and Demolition Landfill.
25. Roadways are well maintained throughout the facility. Dust control is implemented, as necessary, with a water truck.
26. Edge of waste markers observed to be in place.
27. 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.
28. A temporary disaster debris site is located adjacent to the convenience site.
29. Closure of 38 acres of the Construction and Demolition Landfill was previously identified as requiring closure as per 15A NCAC 13B .0543 (c)(5) "Closure and Post Closure Requirements for C&DLF Facilities". The facility has recently completed closure activities (seeded, matted, and erosion controls in place) on 8 acres on the southern side of the landfill.

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30. Plans are being finalized for the remaining 30 acres of C&D waste areas currently scheduled for closure. The selection of contractors should be completed by July 2012, and closure construction activities are anticipated by August. Closure activities for the 30 acres are expected to be completed in April/May 2014.

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



Phone: 336-771-5093

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Hugh Jernigan  
Environmental Senior Specialist  
*Regional Representative*

Sent on: 03/27/13	<input checked="" type="checkbox"/>	Email	<input type="checkbox"/>	Hand delivery	<input type="checkbox"/>	US Mail	<input type="checkbox"/>	Certified No. [ ]
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Copies: Jason Watkins, Western District Supervisor  
Jessica Montie, Solid Waste Compliance Officer