



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

UNIT TYPE:											
Lined MSWLF	<b>X</b>	LCID		YW		Transfer		Compost		SLAS	<b>COUNTY: Guilford</b> <b>PERMIT NO.: 41-12</b> <b>FILE TYPE: COMPLIANCE</b>
Closed MSWLF		HHW		White goods		Incin		T&P		FIRM	
CDLF		Tire T&P/Collection		Tire Monofill		Industrial Landfill		DEMO		SDTF	

**Date of Audit:** 05/19/10

**Date of Last Audit:** 11/24/09

**FACILITY NAME AND ADDRESS:**

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

**GPS COORDINATES:** **N:** 36.10556 **E:** 79.72998

**FACILITY CONTACT NAME AND PHONE NUMBER:**

Scott Bost, Waste Disposal Manager  
 Office: 336-373-7661  
 Landfill: 336-373-7658  
 Cell: 336-430-6171  
 e-mail: david.bost@greensboro-nc.gov

**FACILITY CONTACT ADDRESS:**

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

**AUDIT PARTICIPANTS:**

Scott Bost, Waste Disposal Manager  
 Gail Licayan, Technical Services  
 Jason Jernigan, Operations Supervisor  
 Dewyne Wheeler, Landfill Operations  
 Hugh Jernigan, N.C. Solid Waste Section

**STATUS OF PERMIT:**

Date of Original Permit to Operate (Cell 1, Phase III): December 9, 1997  
 Modification, Permit to Operate (Cell 1 expansion): May 15, 1998  
 Modification, Permit to Operate (Alternative liner, Cell 2): June 14, 2001  
 Modification, Permit to Operate (Cell 3): April 14, 2005  
**Permit Expired: April 14, 2010**

**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 MSW Landfill (Phase III Area) operating under Permit No. 41-12.
2. At the same location a Compost Facility, Closed MSW Landfill (Phase II Area), and C&D Landfill over a Closed MSW Landfill (Phase II Area) are permitted under separate Permit No. 41-03.
3. The service area for the facility is Guilford County.
4. The MSW Landfill ceased receiving daily waste loads of residential, commercial, and industrial waste in September 2006 since the opening of the Greensboro MSW Transfer facility at another location.
5. The MSW landfill is active, but has a reduced waste acceptance (mostly bar screen waste from the City of Greensboro Waste Water Treatment Plant, and ash generated by the City of Greensboro, Osborne Waste Water Treatment Plant). The MSW landfill is utilized primarily as an emergency back-up disposal for the transfer station (the landfill has accepted general MSW waste two days since September 2006).
6. The City of Greensboro has plans to keep the MSW landfill open for emergency situations and acceptance of the above-mentioned waste materials. There is approximately 2.1 million cubic yards of disposal airspace remaining from the original permitted ~5.4 million cubic yards of the Phase III Area.
7. A permit revision request for modifying the side slopes of the MSW Landfill from 4:1 to 3:1 and increasing landfill capacity was submitted March 25, 2008 has been submitted by the City of Greensboro, and has been under review by the Solid Waste Permitting staff.
8. **Note: Permit No. 41-12 had a permit review date of April 14, 2010. A request for renewal of the permit was submitted by the City of Greensboro to the Solid Waste Section 120 days (January 2010) prior to the review date. The renewal application included a copy of the Operational Plans and the previously submitted request for modification of side slopes.**
9. The renewal application is currently under review by the Solid Waste Permitting Staff.
10. Reviewed permit, operational plans (current and operational plans submitted with the recent permit renewal request), and facility operational records, including tonnage reports, random inspections, methane monitoring, leachate logs, semi-annual monitoring reports, plans, and training records.
11. Financial assurance approval letter was sent to the City of Greensboro from the Solid Waste Section on March 18 2010 for the year 2009.
12. The MSW landfill received 435.57 tons of waste during the month of April 2010 and the facility has disposed of 6,675.14 tons of MSW, to date, during the 2009-2010 reporting period.
13. Reviewed methane monitoring reports. The last methane monitoring event was conducted February 9, 2010. No methane was detected in facility structures, in monitoring wells, or at facility boundaries. The facility utilizes a GEM 1000 gas monitor which is field calibrated monthly and the monitor receives a manufacturer's calibration yearly, as per the unit specifications.
14. The facility has a Title V Permit for landfill gas emissions from the Division of Air Quality.

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15. A landfill gas extraction/collection system is approved for the Phase III area (in combination with approval for the Phase II area system permitted under Permit 41-03). Collected landfill gas may be flared or utilized for boiler fuel by Cone Mills Corporation. Approximately 50-60 million cubic feet per month of landfill gas is extracted from the Phase III area. For the period February-April 2010, approximately 189 million cubic feet of landfill gas was extracted from the Phase III area, all being flared during this time period.
16. No landfill gas odors were observed on or around the MSW Landfill.
17. Reviewed semiannual ground water, leachate, and surface water monitoring report conducted October 2009.
18. Reviewed landfill training records. The facility has numerous SWANA certifications for landfill operators and managers, including the following:  
Lewis Walker, Certified Landfill Manager, expires 06/26/12; Dewayne Wheeler, Certified Landfill Manager, expires 06/26/12; Robert Rash, Compost Manager, expires 04/10/13; John Bauer, Certified Landfill Operations Specialist, expires 06/14/10; Eddie Briggs, Certified Landfill Operations Specialist, expires 06/14/10; David Frazier, Certified Landfill Operations Specialist, expires 06/14/10; Bernard Gardner, Certified Landfill Operator Specialist, expires 06/14/10; Robert Rash, Certified Landfill Operations Specialist, expires 06/14/10; Donald Van Eaton, Certified Landfill Operations Specialist, expires 06/14/10; Dewayne Wheeler, Certified Landfill Operations Specialist, expires 06/14/10; David Johnson, Certified Landfill Operations Specialist, expires 02/08/11; Lewis Walker, Certified Landfill Operations Specialist, expires 02/08/11; Chuck Waite, Certified Landfill Operations Specialist, expires 02/08/11; Gail Licayan, Certified Landfill Operations Specialist, expires 03/15/13 .  
Scott Bost is a certified National SWANA Instructor and has certifications including: Manager of Landfill Operations, Construction and Demolition Debris Landfill Manager of Landfill Operations, and Transfer Station Manager.
19. No random inspections are being conducted for the MSW Landfill since the waste being disposed is only bar screen waste and ash. Random inspections are being conducted for incoming waste at the C&D Landfill.
20. Random inspections for the MSW would resume if the facility begins accepting general MSW waste (residential, commercial, and industrial waste).
21. Phase III of the MSW facility consist of 3 cells. Disposal operations currently being conducted in Cell 3.
22. Due to the small amount of waste being received, soil cover is generally applied as the waste is placed on the working face. The working face was observed to be completely covered with soil/ash during the inspection with no visible solid waste on the working face or immediate areas around the working face.
23. Additional landfill gas extraction wells are in the process of being installed in the Cell 3 area on the South side of the landfill. Waste generated by the gas extraction well construction operations is to be taken to the current working face and covered. Intermediate cover should be re-applied in the areas of the well constructions. These areas should have provisions for vegetative cover if left inactive for over 12 months.
24. All other inactive areas have adequate intermediate soil cover and vegetative cover.
25. Mowing of vegetative cover for the Phase III MSW landfill is currently being conducted.
26. The use of an alternative daily cover (Posi-Shell) is approved, but not being utilized at this time.
27. The facility maintains a landfill cap repair/maintenance log. The last side slope repairs were conducted on the north facing side of the landfill in an area of approximately 450ft. x 150ft. The repaired area was reseeded and has vegetative growth.
28. Road ways throughout the facility are well maintained.
29. No windblown materials were observed in or around the MSW landfill.
30. The facility has a Storm Water NPDES Permit, is conducting the required storm water monitoring, and has been recently inspected by Water Quality.
31. Slope drains have been installed as per the facility plan to direct storm water from the intermediate cover areas.
32. Sedimentation basins well maintained with adequate capacities, no on site or off-site erosion noted. The facility has an active Land Quality Erosion Control Permit.

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- 33. Permanent edge of waste boundary markers are installed on the Phase III MSW landfill.
- 34. Monitoring well casings are locked and enclosed within locked fences.
- 35. Leachate collected from the MSW Landfill is stored in two 350,000 storage tanks and leachate is pumped to the City of Greensboro Waste Water Treatment Plant. Tank A is typically utilized a pretreatment tank, leachate is transferred to tank B for discharge. The leachate tanks are operated to maintain adequate storage capacities for heavy rain events.
- 36. Leachate re-circulation has been approved by permit but is not being conducted.
- 37. Total amount of leachate discharged to the Waste Treatment Plant for the month of April 2010 was 105,000 gallons (one day discharge).
- 38. Reviewed leachate system inspection logs. Daily inspections are conducted on the leachate storage tanks and leachate system.
- 39. A camera inspection of the leachate collection system is being scheduled for the current year.

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

  
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Hugh Jernigan

Environmental Senior Specialist  
*Regional Representative*

Phone: 336-771-5093

Delivered on : <u>05/27/10</u> by	<input checked="" type="checkbox"/>	e-mail	<input type="checkbox"/>	US Mail	<input type="checkbox"/>	Certified No. [ <input type="checkbox"/> ]
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cc: Mark Poindexter, Field Operations Branch Supervisor  
Jason Watkins, Central District Supervisor  
Donald Herndon, Compliance Officer  
Ming Tia Chao, Permitting