



FACILITY COMPLIANCE AUDIT REPORT

Division of Waste Management Solid Waste Section

UNIT TYPE:

Lined MSWLF	<input checked="" type="checkbox"/>	LCID		YW		Transfer		Compost		SLAS		COUNTY: Guilford PERMIT NO.: 41-12 FILE TYPE: COMPLIANCE
Closed MSWLF		HHW		White goods		Incin		T&P		FIRM		
CDFL		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:** 36.10556 **E:** 79.72998**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, 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:

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 2.0 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 and subsequent additional submittals are 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 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.
12. The MSW landfill received 549.17 tons of waste during the month of December 2010 and the facility has disposed of 4,216.56 tons of MSW, to date, during the 2010-2011 reporting period.
13. Reviewed methane monitoring reports. The last methane monitoring event was conducted November 18, 2010. No exceedances were detected in facility structures, in monitoring wells, at monitoring locations on the landfill, 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.
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 60-70 million cubic feet per month of landfill gas is extracted from the Phase III area. For the period January-December 2010, approximately 799 million cubic feet of landfill gas was extracted from the Phase III area. All extracted landfill gas has been flared since January 2010. No landfill gas odors were observed on or around the MSW Landfill.
16. Reviewed draft of the last semiannual ground water, leachate, and surface water monitoring report.
17. 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.
18. 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.
19. Random inspections for the MSW would resume if the facility begins accepting general MSW waste (residential, commercial, and industrial waste).
20. Phase III of the MSW facility consist of 3 cells. Disposal operations currently being conducted in Cell 3.
21. 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.
22. All inactive areas have adequate intermediate soil cover.
23. Mowing of vegetative cover for the Phase III MSW landfill was conducted within the past 6 months.
24. The use of an alternative daily cover (Posi-Shell) is approved, but not being utilized at this time.
25. The facility maintains a landfill cap repair/maintenance log. Side slope repairs were conducted during the previous year 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. Additional intermediate soil cover and seeding has been conducted over other portions of the landfill, as needed.
26. Road ways throughout the facility are well maintained.
27. No windblown materials were observed in or around the MSW landfill.
28. The facility has a Storm Water NPDES Permit, is conducting the required storm water monitoring, and has been recently inspected by Water Quality.
29. Slope drains have been installed as per the facility plan to direct storm water from the intermediate cover areas.
30. 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.
31. Permanent edge of waste boundary markers are installed on the Phase III MSW landfill.
32. Monitoring well casings are locked and enclosed within locked fences.
33. 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.

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- 34. Total amount of leachate discharged to the Waste Treatment Plant for the month of December 2010 was 540,000 gallons.
- 35. Reviewed leachate system inspection logs. Daily inspections are conducted on the leachate storage tanks and leachate system.
- 36. Leachate re-circulation has been approved by permit but is not being conducted.
- 37. The leachate collection has been previously inspected and cleaned, a camera inspection of the leachate collection system is being put out for bids and should be scheduled within 90 days.

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



Phone: 336-771-5093

Hugh Jernigan
Environmental Senior Specialist
Regional Representative

Delivered on : <u>01/24/11</u> by	X	e-mail		US Mail		Certified No. []
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cc: Mark Poindexter, Field Operations Branch Supervisor
Jason Watkins, Central District Supervisor
Donald Herndon, Compliance Officer