

FACILITY COMPLIANCE INSPECTION REPORT
Department of Environmental Quality
Division of Waste Management - Solid Waste Section

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

Date of Site Inspection: November 16, 2015

Date of Last Inspection: May 28, 2014

FACILITY NAME AND ADDRESS:

City of Greensboro MSW Landfill
 2503 White Street
 Greensboro, NC 27405

GPS COORDINATES: N: 36.10454 E: -79.73018

FACILITY CONTACT NAME AND PHONE NUMBER:

Jason Jernigan, Solid Waste Disposal Manager
 w. 336-412-3959
 c. 336-587-3445
jason.jernigan@greensboro-nc.gov

FACILITY CONTACT ADDRESS:

City of Greensboro Field Operations Department
 Jason Jernigan, Solid Waste Disposal Manager
 2503 White Street
 Greensboro, NC 27405

PARTICIPANTS

John Patrone, Environmental Senior Specialist - Solid Waste Section (SWS)
 Jason Jernigan, Solid Waste Disposal Manager - City of Greensboro Field Operations Department
 Lewis S. Walker, Jr. Landfill Compliance Supervisor – City of Greensboro Field Operations Department

STATUS OF PERMIT:

Permit To Operate (PTO) issued June 11, 2015
 PTO expiration date April 14, 2020

PURPOSE OF SITE VISIT:

Comprehensive Inspection

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 also 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.

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ADDITIONAL COMMENTS

On November 16, 2015, John Patrone met with Jason Jernigan and Lewis Walker to conduct a comprehensive inspection of the City of Greensboro MSW Landfill on White Street in Greensboro, Guilford County.

1. The municipal solid waste (MSW) landfill is located on property owned by the City of Greensboro. The property also contains a construction and demolition debris (C&D) landfill atop a closed MSW landfill (41-03 C&D), a large type 1 solid waste compost (SWC) operation (41-03 SWC), and a temporary disaster debris staging site (TDDSS, DS41-002).
2. The MSW landfill is known as Phase III.
3. The MSW landfill is permitted to operate Phase III, Cells 1, 2, and 3.
4. Solid waste is currently being placed in Cell 3.
5. The MSW landfill Cells 1 and 2 contain intermediate soil cover.
6. The facility is open Monday through Friday 7:50 am to 4:50 pm and Saturday 7:00 am to 1:00 pm.
7. The facility site plan, permit, and operations plan were discussed.
8. The facility is permitted to receive solid waste from Guilford County.
9. As of September 2006 the facility ceased receiving almost all loads of solid waste. Solid waste is processed through the City of Greensboro Transfer Station (41-20) and hauled to other permitted disposal facilities.
10. The facility is permitted to receive ash from the City of Greensboro Wastewater Treatment Plant. It can also receive MSW from the City of Greensboro Transfer Station only in the event that it is unable to be used and after attempting other disposal options.
11. Mr. Jernigan stated that the City of Greensboro MSW landfill has not received solid waste from the transfer station since 2006.
12. The facility may receive MSW removed from a pre-regulatory landfill associated with the development of the Cone-Nealtown Connector if approved by the City of Greensboro City Council.
13. The facility maintains daily and monthly records of the amount of solid waste received. Throughput records were verified for July 2014 through October 2015. The facility received 9,139.66 tons.
14. The facility annual report (FAR) dated July 30, 2015 was received by the SWS. Facility throughput for July 2014 through June 2015 is 6,544.98 tons.
15. The facility has two scales. Each has an outside weight display unit.
16. A vehicle scale test was conducted by the North Carolina Department of Agriculture & Consumer Services on July 6, 2015. A finding of no error is noted.
17. A vehicle scale test was conducted by Carlton Scale on September 23, 2015. A finding of no error is noted. Mr. Jernigan stated that the facility has Carlton Scale test the scales quarterly.
18. The facility has ~ 15 employees trained as certified operators. The following supervisory employees are certified operators:
 - a. Jason Jernigan, Certified Landfill Manager, No. 740578, exp. 02/11/16
 - b. Lewis S. Walker, Jr., Certified Landfill Manager, No. 976784, exp. 06/05/18
 - c. Timothy Williams, Certified Landfill Manager, No. 54260, exp. 06/26/18
19. The facility does not conduct waste screenings. All of the material currently received is ash from the City of Greensboro Wastewater Treatment Plant.
20. The facility does not accept scrap tires and white goods.
21. Groundwater and methane monitoring wells observed were accessible.
22. Ensure that groundwater and methane monitoring well tags can be easily read and that padlocks are operable.
23. The facility has 10 groundwater monitoring wells: MW-17, MW-18, MW-19, MW-20, MW-21, MW-22, MW-23, MW-24, MW-25, and MW-25D and two background wells: MW-15 and MW-16.
24. The facility has three surface water locations: SW-1, SW-2, and SW-3.
25. The facility maintains semiannual groundwater and surface water monitoring and leachate test records submitted by S&ME, Inc., analyzed by Environmental Conservation Laboratories, Inc. (ENCO). Records for groundwater and surface water monitoring and leachate testing conducted on April 21-25, 2014, September 30, 2014, and April 6-13, 2015 were verified. No exceedance is noted. Mr. Walker stated that a recent semiannual groundwater and surface water monitoring and leachate test was conducted in September 2015.

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26. The facility has leachate line manholes.
27. The facility has two 350,000 gallon leachate storage tanks with a secondary containment wall. Leachate is generally maintained in tank A. Tank B is generally available for atypical leachate production. During the inspection the leachate level in Tank A was 22.4 feet and Tank B was 11.8 feet. The leachate tanks are connected by spillover pipe and can be pumped from one to the other.
28. The leachate storage tanks are connected to the City of Greensboro sanitary sewer.
29. The facility maintains a daily leachate inspection sheet to log external tank condition, leachate tank gauge operation, gallons leachate pumped, pump-down times, rain gauge totals, etc.
30. The leachate collection lines are required to be remote camera inspected at least every five years. The leachate collection lines were inspected by Jetclean America in April - May 2011.
31. The facility conducts methane monitoring at 13 methane monitoring wells (MGMW-1 through MGMW-3 and MGMW-5 through MGMW-14) and at the scale house and operations building.
32. Methane monitoring well MGMW-2 was observed. The well contained a stopcock valve. Mr. Walker stated that all of the methane monitoring wells contain a stopcock valve.
33. The facility maintains quarterly methane monitoring records. Methane monitoring is conducted by facility personnel. Records were verified for March 30, 2015 (1st quarter), June 29, 2015 (2nd quarter), and September 30, 2015 (3rd quarter). No exceedance of the methane lower explosive limit (LEL) is noted. Mr. Walker stated that the 4th quarter 2015 methane monitoring event will be conducted. It is suggested that methane monitoring is conducted early within a quarter to ensure monitoring occurs within the required designated quarter of the year.
34. The facility has a landfill gas collection system. The landfill gas is either piped to a nearby business for use as boiler fuel or flared. The landfill gas flare was observed in operation. The flare was operating at 698° F and 1100 standard cubic feet/minute (SCFM). Mr. Walker stated that the oxygen indicator on the display board does not function and that the oxygen is measured manually with a GEM 2000 landfill gas monitor connected at the incoming transmission pipe. It is suggested that the display board unit oxygen indicator is repaired.
35. On January 5, 2015 the facility was issued a Division of Air Quality (DAQ) Title V permit No. 08830T08, expiration date December 31, 2019.
36. The facility has a stormwater National Pollutant Discharge Elimination System (NPDES) permit, General Permit No. NCG120000, Certificate Of Coverage No. NCG120013. The NPDES permit expires October 31, 2017.
37. The facility is permitted to use Posi-Shell. Mr. Jernigan stated that Posi-Shell is not currently used.
38. The facility is permitted for leachate recirculation. Mr. Jernigan stated that leachate recirculation is not currently conducted.
39. The facility is permitted to co-dispose of wastewater treatment sludge (WWTS) generated within its approved service area. Mr. Jernigan stated that co-disposal of WWTS is not currently conducted.
40. The working face was covered with soil. Mr. Jernigan stated that very few loads of ash is received daily.
41. The landfill cap appeared maintained.
42. Erosion and sedimentation controls appeared to be in good order.
43. The facility has installed edge of waste markers.
44. During the inspection odor was not detected.
45. The landfill cap is mowed four times a year.
46. The facility financial assurance is in the process of being updated.
47. Windblown material was not observed.
48. The facility has a water truck available for dust control.
49. The facility has proper signage.
50. Access roads are of all-weather construction.
51. The facility is secured by a locked gate.
52. The PTO expiration date is April 14, 2020.
53. The PTO renewal application shall be submitted to the SWS by October 14, 2019.

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

Phone: 336-776-9673

John Patrone, Environmental Senior Specialist
 Division of Waste Management, NCDEQ

Sent on: <u>November 20, 2015</u>	X	Email		Hand delivery		US Mail	Certified No. []
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Electronic Copies: Deb Aja, Western District Supervisor - SWS
 Jessica Montie, Compliance Officer – SWS
 Jaclynne Drummond, Compliance Hydrogeologist – SWS
 Pat Backus, Environmental Engineer - SWS
 Lewis S. Walker, Jr. Landfill Compliance Supervisor – City of Greensboro Field Operations
 Department (c. 336-254-8096 lewis.walker@greensboro-nc.gov)
 Tim Williams, Landfill Operations Supervisor – City of Greensboro Field Operations Department
 (c. 336-337-0571 timothy.williams@greensboro-nc.gov)

Digital pictures taken November 16, 2015
 by John Patrone, DWM-SWS

MSW landfill working face/area



Leachate storage tanks and landfill gas collection station

