



FACILITY COMPLIANCE INSPECTION 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	
CDLF	X	Tire T&P / Collection		Tire Monofill		Industrial Landfill		DEMO		SDTF	

Date of Site Inspection: October 26, 2016

Date of Last Inspection: November 16, 2015

FACILITY NAME AND ADDRESS:

City of Greensboro White Street Landfill Phases I and II
2503 White Street
Greensboro, NC 27405

GPS COORDINATES:

N: 36.11628 W: -79.71717

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 March 30, 2012
PTO expiration date March 30, 2017

PURPOSE OF SITE VISIT:

Comprehensive Inspection

STATUS OF PAST NOTED VIOLATIONS:

None

OBSERVED VIOLATIONS:

None



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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.

ADDITIONAL COMMENTS

On October 26, 2016, John Patrone met with Jason Jernigan and Lewis Walker to conduct a comprehensive inspection of the City of Greensboro White Street Landfill Phases I and II on White Street in Greensboro, Guilford County.

1. The City of Greensboro operates a construction and demolition debris (C&D) landfill atop a closed municipal solid waste (MSW) landfill (Phase II, 41-03) adjacent to a closed MSW landfill (Phase I). The property also contains an active MSW landfill (Phase III, 41-12), a large type 1 solid waste compost (SWC) facility (41-03), and a temporary disaster debris staging site (TDDSS, DS41-002).
2. The facility is open Monday through Friday 7:50 am to 4:50 pm and Saturday 7:00 am to 1:00 pm.
3. The facility site plan, permit, and operations plan were discussed.
4. The Phase II landfill footprint is 135 acres. To date ~ 104 acres have been closed.
5. The area currently available for C&D landfill operation is ~ 31 acres.
6. The facility is permitted to receive solid waste from Guilford County.
7. The facility is permitted to receive C&D, inert debris, land clearing debris (LCD), and (used) asphalt.
8. The facility shall not accept yard trash.
9. The facility has numerous certified operators. Employee certification records were verified.
10. The following employees are certified landfill managers:
 - a. Jason Jernigan, certification No. 740578, exp. 02/11/19
 - b. Lewis S. Walker, Jr., certification No. 976784, exp. 06/26/18
 - c. Timothy Williams, certification No. 54260, exp. 06/05/18
11. The facility has two scales. Each has an outside weight display unit.
12. A vehicle scale test was conducted by the North Carolina Department of Agriculture & Consumer Services on July 6, 2015. No error is noted.
13. A vehicle scale test was conducted by Carlton Scale on August 31, 2016. The scales were calibrated. No error is noted. Mr. Jernigan stated that the facility has Carlton Scale test the scales quarterly.
14. The facility maintains daily and monthly records of the amount of solid waste received. Throughput records were verified for November 2015 through September 2016. The facility received ~ 3,000 tons a month.
15. The facility annual report (FAR) dated July 19, 2016 was received by the SWS. Facility throughput for July 2015 through June 2016 is 35,915.32 tons.
16. The facility is required to conduct a minimum of one waste screening per day. Waste screening records were verified for January 2, 2016 through October 24, 2016.
17. The facility does not accept scrap tires and white goods.
18. Groundwater and methane monitoring wells observed were accessible.
19. The Phase II landfill has 12 groundwater monitoring wells: II-1, II-2, II-3, II-4A, II-5, II-6, II-7, II-7B, II-8, II-12, MW-13, and MW-14.
20. Phase II groundwater monitoring wells: II-1, II-2, II-3, II-6, II-7, II-7B, II-8, and II-12 were observed. Groundwater wells II-9 and MW-7 were also observed.
21. The facility is in the process of repairing and painting groundwater monitoring well casings and affixing new well tags.
22. The facility has five surface water locations: SW-1, SW-2, SW-3, SW-4, and SW-5.
23. The Phase I landfill has five groundwater monitoring wells: I-1, I-2, I-3, I-4, and MW-13.
24. The facility maintains semiannual groundwater and surface water monitoring records submitted by S&ME, Inc., analyzed by Environmental Conservation Laboratories, Inc. (ENCO). Records for groundwater and surface water monitoring for Phase II conducted on October 5-8, 2015 and April 18, 2016 were verified. An exceedance is noted for each monitoring event. Records for groundwater and surface water monitoring for Phase I conducted on October 6-8, 2015 and April 18, 2016 were verified. An exceedance is noted for each monitoring event.



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25. The Phase II landfill is required to conduct additional monitoring per its corrective action plan (CAP).
26. The CAP requires that two poplar tree phytoremediation areas (north and south buffer areas) are maintained and inspected, monitored natural attenuation (MNA) testing parameters conducted semiannually, BIOCHLOR modeling conducted on a semiannual basis, and a consistent landfill cap contour maintained.
27. The facility maintains phytoremediation inspection records conducted by S&ME, Inc. Phytoremediation inspection records were verified for October 21, 2015 and July 15, 2016. Mr. Jernigan stated that facility personnel routinely traverse the landfill cap and conduct maintenance when necessary. The MNA testing and BIOCHLOR modeling are conducted by S&ME, Inc. and submitted to the SWS with the groundwater and surface water monitoring report.
28. The Phase II and Phase I landfills have eight landfill gas monitoring wells: MGMW-1 through MGMW-8. Methane is also monitored at the compost shed, maintenance shop, Phase II blower building, compliance building, and several surface point locations.
29. Landfill gas monitoring wells MGMW-1 through MGMW-5 were observed.
30. The facility is in the process of repairing and painting landfill gas monitoring well casings and affixing new well tags.
31. The facility maintains quarterly methane monitoring records. Methane monitoring is conducted by facility personnel. Records were verified for Phase II and Phase I for December 21, 2015 (4th quarter), March 29, 2016 (1st quarter), June 2, 2016 (2nd quarter), and September 16, 2016 (3rd quarter). No exceedance of the methane lower explosive limit (LEL) is noted.
32. It is suggested that the facility also monitor for hydrogen sulfide (H₂S). Monitoring for H₂S may be required when the facility permit is renewed or modified.
33. The facility has a landfill gas collection system. It is tied into the landfill gas collection system associated with the City of Greensboro MSW landfill, Phase III.
34. 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.
35. The working face was small and compact.
36. The facility shall cover solid waste with six-inches of soil when the waste disposal area exceeds one-half acre and at least once weekly.
37. The facility maintains a weekly soil cover log. Records were verified for November 18, 2015 through October 21, 2016.
38. The working face appeared small and compact.
39. Mr. Jernigan stated that the facility does not accept individual loads of asbestos.
40. Erosion and sedimentation controls appeared to be in good order.
41. The facility has installed edge of waste markers.
42. The landfill cap (Phase II and Phase I) appeared maintained.
43. Bare areas of the landfill cap have been covered with bulky compost. Mr. Jernigan stated that grass seed will be applied in the spring if grasses have not naturally taken-hold.
44. During the inspection odor was not detected.
45. Mr. Jernigan stated that the landfill cap is mowed at least four times a year.
46. Windblown material was not observed.
47. The facility has a water truck available for dust control.
48. The facility has proper signage.
49. Access roads are of all-weather construction.
50. The facility is secured by a locked gate.
51. The facility maintains a copy of the financial assurance letter dated November 18, 2015.
52. Mr. Jernigan stated that in an emergency the facility will call 911 for assistance.
53. The PTO expiration date is March 30, 2017.
54. The PTO renewal application and the corrective action evaluation report (CAER) shall be submitted to the SWS by September 30, 2016.



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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
Regional Representative

Sent on: November 2, 2016	X	Email		Hand delivery		US Mail	Certified No. []
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Copies: Deb Aja, Western District Supervisor - SWS
 Jessica Montie, Compliance Officer – SWS
 Jaclynn Drummond, Compliance Hydrogeologist – SWS
 Lewis S. Walker, Jr. Landfill Compliance Supervisor – City of Greensboro Field Operations
 Department (c. 336-254-8096 lewis.walker@greensboro-nc.gov)

Digital pictures taken October 26, 2016
by John Patrone, DWM-SWS

Phase II landfill – view from access road





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North and south poplar tree phytoremediation buffer areas



Phase II landfill cap – north/northwest view





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Phase II landfill cap – view adjacent to active area



Phase II landfill cap – view opposite active area



Phase II working face



Phase II – intermediate soil cover



Phase I - view of southeast external side slope

