

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

UNIT TYPE:											
Lined MSWLF		LCID		YW		Transfer		Compost	X	SLAS	COUNTY: Guilford PERMIT NO.: 41-03 SWC 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 Large Type 1 Solid Waste Compost Facility
 2503 White Street
 Greensboro, NC 27405

GPS COORDINATES: N: 36.11057 E: -79.71790

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 February 3, 2015
 PTO expiration date May 5, 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 Large Type 1 Solid Waste Compost Facility on White Street in Greensboro, Guilford County.

1. The large type 1 solid waste compost (SWC) facility 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 municipal solid waste (MSW) landfill (41-03), a MSW landfill (41-12), and a temporary disaster debris staging site (TDDSS, DS41-002).
2. The large type 1 SWC facility is permitted to conduct compost operations on Plat Nos. 1, 2, and 3.
3. The facility is open Monday through Friday 7:50 am to 4:50 pm and Saturday 7:00 am to 1:00 pm.
4. The facility site plan, permit, and operations plan were discussed.
5. The facility is permitted to receive material from Guilford County.
6. The facility is composed of three functional areas: Plat No. 1 – materials receiving, yard waste grinding, and active yard waste compost windrows, Plat No. 2 – yard waste compost curing and leaf accumulation and composting, and Plat No. 3 – overflow area.
7. At Plat No. 1 plastic bags of yard trash are cut open. The material is placed in piles with accumulated yard waste and ground. The ground yard waste is placed in windrows. At Plat No. 2 the ground material is placed in curing piles and, during the fall and early winter, leaves collected by the City of Greensboro are off-loaded and piled. At Plat No. 3 the area has ~ 50,000 yd³ of decomposed leaves.
8. Mr. Jernigan stated that leaf collection generally occurs from November through January.
9. Ensure that leaves collected each season are placed in two or more active compost windrows.
10. Mr. Jernigan stated that the decomposed leaves are ~ 10 years old and have previously met temperature requirements.
11. Mr. Jernigan estimates that the decomposed leaf pile will be sold/giveaway in ~ 2 years. He has obtained entities that can use it.
12. The area abutting Plat No. 3 is not in use. The area is allotted for the TDDSS.
13. At the time of the inspection there were 13 active compost windrows and 1 mulch pile/area on site.
14. The facility maintains daily and monthly records of the amount of solid waste received and removed. Throughput records were verified for July 2014 through October 2015. The facility received 36,683.4 tons and removed, as finished compost, 44,065.85 tons.
15. The facility annual report (FAR) dated July 24, 2015 was received by the SWS. Facility throughput for July 2014 through June 2015 is 29,656.68 tons.
16. The facility has two scales. Each has an outside weight display unit.
17. 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.
18. 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.
19. Per 15A NCAC 13B .1406(10), "Compost process at Type 1 facilities shall be maintained at or above 55 degrees Celsius (131 degrees F) 3 days and aerated to maintain elevated temperatures."
20. The facility maintains active compost temperature records. Records for June 2014 through July 1, 2015 indicate that all of the material received was ground for boiler fuel. Records for July 2, 2015 through November 16, 2015 indicate windrow temperatures are/have been maintained at or above 131° F for three days and turned a minimum of twice a week until brought to the curing area.
21. The active compost piles appeared to be well maintained and turned regularly.
22. Compost is screened prior to being placed in curing piles.
23. Compost is cured for a minimum of three months prior to sale/use.
24. 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.
25. The facility appeared to maintain adequate fire lanes.

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- 26. Ponding of water in active compost areas was not observed.
- 27. During the inspection odor was not detected.
- 28. Windblown material was not observed.
- 29. The facility has a water truck available for dust control.
- 30. The facility has proper signage.
- 31. Access roads are of all-weather construction.
- 32. The facility is secured by a locked gate.
- 33. The PTO expiration date is May 5, 2020.
- 34. The PTO renewal application shall be submitted to the SWS by November 5, 2019.

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
 Tony Gallagher, Composting & Land Application Branch Head - SWS
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 Department (c. 336-254-8096 lewis.walker@greensboro-nc.gov)
 Tim Summers, Yard Waste Supervisor – City of Greensboro Field Operations Department
 (c. 336-430-2359 timothy.summers@greensboro-nc.gov)

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

Incoming materials area



Yard waste grinding area



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Active compost area



Leaf accumulation and compost area



Compost curing area



Decomposed leaves - piled for use/sale



TDDSS DS41-002

