



FACILITY COMPLIANCE INSPECTION REPORT
Division of Waste Management
Solid Waste Section

UNIT TYPE:

Lined MSWLF	LCID		YW	X	Transfer		Compost		SLAS		COUNTY: Durham PERMIT NO.: 32-12 T FILE TYPE: COMPLIANCE
Closed MSWLF	HHW		White goods	X	Incin		T&P		FIRM		
CDLF	Tire T&P / Collection	X	Tire Monofill		Industrial Landfill		DEMO		SDTF		

Date of Site Inspection: December 4, 2014

Date of Last Inspection: March 10, 2014

FACILITY NAME AND ADDRESS:

City of Durham Municipal Solid Waste Transfer Facility
 2115 East Club Boulevard
 Durham, NC 27704

GPS COORDINATES: N: 36.02810 E: -78.85553

FACILITY CONTACT NAME AND PHONE NUMBER:

Bruce Woody, City of Durham Solid Waste Management- Disposal Manager
 w. 919-560-4186 x32228
 f. 919-560-1197
 c. 919-452-5919
bruce.woody@durhamnc.gov

FACILITY CONTACT ADDRESS:

City of Durham Solid Waste Management
 Bruce Woody, Disposal Manager
 1833 Camden Avenue
 Durham, NC 27704

PARTICIPANTS

John Patrone, Environmental Senior Specialist - Solid Waste Section (SWS)
 Bruce Woody, City of Durham Solid Waste Management - Disposal Manager
 Bill Davidson, Waste Industries LLC - General Manager
 Mike McFeeley, Hilco Transport, Inc. – Durham Area Waste Manager

STATUS OF PERMIT:

Permit To Construct (PTC)/Permit To Operate (PTO) issued October 7, 2014
 PTO expiration date October 7, 2019

PURPOSE OF SITE VISIT:

Comprehensive Inspection

STATUS OF PAST NOTED VIOLATIONS

None

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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.

ADDITIONAL COMMENTS

On December 4, 2014, John Patrone met with Bruce Woody, Bill Davidson, and Mike McFeeley to conduct a comprehensive inspection of the City of Durham Municipal Solid Waste Transfer Facility located on East Club Boulevard in Durham, Durham County.

1. The facility is owned by the City of Durham and operated by Waste Industries LLC. Waste Industries LLC subcontracts operation of the transfer facility to Hilco Transport, Inc.
2. The facility is open Monday through Friday 7:30 am to 4:30 pm and Saturday 7:30 am to noon.
3. The facility permit, site plan, and operations plan were discussed.
4. The facility is permitted to receive solid waste generated in Chatham, Durham, Granville, Orange, Person, and Wake Counties.
5. Municipal solid waste (MSW) is hauled to Sampson County Disposal, Inc. MSW Landfill in Roseboro, NC (82-02).
6. The following are facility certified personnel:
 - a. Bruce Woody, Certified Transfer Station Operations Specialist, TS-2007121, exp. 12/06/16
 - b. Lisa M. Gauldin, Certified Transfer Station Operations Specialist, TS-2008034, exp. 04/05/17
 - c. Tammy Pridgen, Certified Transfer Station Operations Specialist, TS-2014077, exp. 11/06/17
 - d. Everett Wilson, Sr., Certified Transfer Station Operations Specialist, TS-2014084, exp. 11/06/17
 - e. Hernan Rodriguez-Bonilla, Certified Transfer Station Operations Specialist, TS-2013111, exp. 11/08/16
 - f. Charlie Jones, Certified Transfer Station Operations Specialist, TS-2012009, exp. 03/27/15
 - g. Michael McFeeley, Certified Transfer Station Operations Specialist, TS-2014039, exp. 06/13/17
 - h. Gustavo Santos, Certified Transfer Station Operations Specialist, TS-2014079, exp. 11/06/17
 - i. Anthony Purnell, Certified Transfer Station Operations Specialist, TS-2014078, exp. 11/06/17
7. A vehicle scale test was conducted by the NC Department of Agriculture & Consumer Services on June 24, 2014. The vehicle scale was approved.
8. A vehicle scale test was conducted by Fairbanks Scales, Inc. on October 1, 2014.
9. The facility deposits MSW into an open-top trailer via load out bay on the right side of the transfer station building. The left side of the building is used as a push wall.
10. The facility conducts a recycling operation on the tipping floor from 2:00 am to 7:00 am, Monday through Friday. City trucks off-load comingled recyclables. The recyclable material is loaded into transfer trailers and hauled to a third-party for processing.
11. Ensure the entire tipping floor and entire load out bay are completely free of MSW daily/after operating hours and prior to conducting the recycling operation.
12. The facility has a resident drop-off convenience center located at the entrance to the property that accepts MSW, cardboard, paper, glass, plastics, steel, aluminum, scrap metal, wooden pallets, televisions and computers/electronics, used oil, lead acid batteries, motor vehicle oil filters, antifreeze, used cooking oil, white goods, and scrap tires. A paper shredding machine is available for use. A swap-shop, open to the public, is located adjacent to the convenience center. The City of Durham Permanent Household Hazardous Waste Facility (32-12 HHW) is located adjacent to the convenience center.

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13. The facility has a yard waste drop-off area adjacent to the transfer station building (left rear of lot). Residents off-load material onto the ground and facility personnel place it into open top containers. The open top containers are routinely hauled to the City of Durham Solid Waste Compost Facility (SWC 32-04) for processing. The SWC facility is located ~ ¼ mile away via service road.
14. The facility annual report (FAR) submitted to the SWS is dated July 24, 2014. Tonnage received July 2013 through June 2014 is 123,397.49. During the same time period all of the MSW was hauled to the Sampson County Disposal, Inc. MSW Landfill, 82-02.
15. The facility maintains records of the amount of MSW received and shipped-out. Monthly records were reviewed. Tonnage received for July 2014 through November 2014 is 51,913.55.
16. Hilco Transport, Inc. owns, moves, and hauls the transfer trailers. Transfer trailers appeared to be in good condition. On the weekend it is common that full transfer trailers remain on site.
17. Hilco Transport, Inc. hauls-off ~ 30 transfer trailers a day. When the inspection began there were 10 full transfer trailers and 9 empty trailers on site.
18. Waste screening reports were verified for April 7, 2014 through November 8, 2014. The facility is required to conduct waste screening of 1% of loads with a minimum of 1/day.
19. Scrap tire certifications were verified for April 2014 through November 2014.
20. The facility manages white goods containing chlorofluorocarbons (CFCs). White goods containing CFCs are kept separate from scrap metal. Facility personnel remove CFCs. Records of the amount of CFCs and the number of units are maintained. The facility received 194 units from July 2014 through November 2014; zero CFCs were able to be extracted.
21. The following are facility personnel certified as a Type 1 Technician to remove CFCs, required by 40 CFR, Part 82, Subpart F:
 - a. Bruce Woody, certification No. NC-000-3076, issued: 02/16/10
 - b. Lamar D. Brooks, certification issued: 03/10/10
 - c. Everett Wilson, Sr. certification No. NC-000-6703, issued 09/10/14
22. The leachate settling tank/oil-water separator was pumped-out by Ivey's Septic Tank Service, Inc. on September 17, 2014, invoice No. 7143. Mr. Davidson stated that it is pumped-out quarterly.
23. The tipping floor leachate drain is designed such that it requires routine cleaning. It is recommended that the tipping floor leachate drain/grate is cleaned daily and prior to inclement weather.
24. The tipping floor leachate drain was cleaned, to observe operation, during the inspection.
25. Ensure leachate does not pool on the tipping floor. It shall be regularly directed into the tipping floor leachate drain.
26. The loader should not deposit leachate from the tipping floor outside of the transfer station building.
27. When a transfer trailer containing MSW is pulled-out from the load out bay ensure it is covered immediately. Birds were observed feeding atop a transfer trailer containing MSW that had been pulled-out from the load out bay and remained uncovered. The transfer trailer was covered upon request.
28. It is suggested that windblown material is steadily picked up throughout the day. Ensure it is immediately picked up if birds are observed feeding.
29. The load out bay contained waste material lodged behind steel panels that no longer fit correctly. Mr. McFeeley had the load out bay cleaned by the end of the day and emailed Mr. Patrone a picture.
30. Mr. Woody stated in an email to Mr. Patrone (dated 12/08/14) that the steel panels in the load out bay that are out of place will be repaired.
31. The down gradient leachate/stormwater drain grate (across the ramp leading behind the transfer station building) was primarily clogged. Mr. McFeeley had the drain grate cleaned by the end of the day and emailed Mr. Patrone a picture.
32. Cracks in the concrete entrance ramp should be repaired.
33. The sheet metal exterior of the transfer station building has been repaired.
34. Scrap tires pulled from the tipping floor should not be stored in an open-top container unless it is covered. Ensure MSW is not placed in the open top container. Mr. Woody stated in an email to Mr. Patrone (dated 12/08/14) that the scrap tires, the MSW, and the accumulated rainwater were removed and that the container will be covered.

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- 35. The City of Durham Fire Department is able to respond to an emergency at the facility.
- 36. There was no indication of erosion or runoff.
- 37. It is suggested that the sweeper truck operate at a slower speed. It appeared that particles became airborne as it passed.
- 38. The facility is secured by a locked gate. Personnel are on site during operating hours.
- 39. Access roads are of all-weather construction.
- 40. The facility has proper signage.
- 41. Construction of a new transfer station, located adjacent to the current transfer station, has begun. The new transfer station is assigned the same permit number as the current transfer station (32-12). When it is complete and ready to operate it will be used for MSW. At that time, the current transfer station will be used for recyclables, yard waste, or other purpose.

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, NCDENR

Sent on: <u>December 10, 2014</u>	X	Email		Hand delivery		US Mail	Certified No. []
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Electronic Copies: Deb Aja, Western District Supervisor - SWS
 Sarah Rice, Compliance Officer - SWS
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 Robert Williams, City of Durham – Assist. Director of Operations robert.williams@durhamnc.gov
 Bill Davidson, Waste Industries LLC - General Manager william.davidson@wasteindustries.com
 Chuck Jones, Hilco Transport, Inc. – Waste Operations Manager cjones@hilcotransport.com
 Mike McFeeley, Hilco Transport, Inc. – Durham Area Waste Manager
mmcfeeley@hilcotransport.com

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Digital pictures taken December 4, 2014
by John Patrone, DWM-SWS

Leachate settling tank/oil water separator – at low level



Leachate pooled on tipping floor (the loader tires have deposited it outside of the transfer station building)



Tipping floor leachate drain grate



Tipping floor leachate drain (shallow design) - cleaned



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Waste material behind steel panels – load out bay



Waste material removed from behind steel panels - load out bay (facility picture)



Birds feeding on uncovered transfer trailer containing municipal solid waste



Windblown material – representative



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Clogged down gradient leachate/stormwater drain grate



Cleaned down gradient leachate/stormwater drain grate (facility picture)



Scrap tires stored in open top container (with waste material) - contains water



Open top container – waste material and water removed (MSW bag contained plastic)



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Waste material behind push wall



Waste material removed from behind push wall – (facility picture)



Material blocking doorway removed - area power washed (facility picture)



Material along tipping floor sidewall removed - area power washed (facility picture)

