FACILITY COMPLIANCE INSPECTION REPORT
Division of Waste Management
Solid Waste Section

UNIT TYPE:												
Lined MSWLF		LCID		YW		Transfer		Compost	X	SLAS		COUNTY: Wake
Closed MSWLF		HHW		White goods		Incin		T&P		FIRM		PERMIT NO.: 92-30
CDLF	X	Tire T&P / Collection		Tire Monofill		Industrial Landfill		DEMO		SDTF		FILE TYPE: COMPLIANCE

Date of Site Inspection: April 3, 2013 **Date of Last Inspection:** February 29, 2012

FACILITY NAME AND ADDRESS:
Highway 55 C&D Landfill, LLC
5940 Old Smithfield Road
Apex, NC 27502

GPS COORDINATES: N: 35.68632 **E**: -78.84364

FACILITY CONTACT NAME AND PHONE NUMBER:
Roger Barnes, Facility Manager
hwy55@griffinbrothers.com
(919) 367-2895 office; (919) 362-6424 fax

FACILITY CONTACT ADDRESS:
Roger Barnes
P.O. Box 699
Holly Springs, NC 27540-0699

PARTICIPANTS:
Shawn McKee - NCDENR, Solid Waste Section
Dennis Shackelford - NCDENR, Solid Waste Section
Ryan Johnson - Highway 55 C&D Landfill
Melodie Meek - Highway 55 C&D Landfill

STATUS OF PERMIT:
Original Issue (PTC): August 12, 2002
Amendment 1 (PTO): December 10, 2002
Amendment 1 Modification, Compost & Reprocessing Facility (PTO): December 27, 2002
PTC-C&D Phase I Expansion: February 14, 2002
PTO-C&D Expansion: July 24, 2002
PTC-C&D Phase 2/PTO-Phase 1 and Compost Facility: March 24, 2009
PTO Expiration: March 24, 2014

PURPOSE OF SITE VISIT:
Comprehensive Audit

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 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

1. The facility is a privately owned construction and demolition (C&D) landfill and large type 1 composting facility. The facility is permitted to receive C&D waste, inert debris, land-clearing debris, and asphalt generated within Wake County. The permit to operate shall expire on March 27, 2014. A permit renewal application must be submitted to the SWS by September 27, 2013.

2. The facility is secured by a locking gate when it is not open for operation. The correct signage is at the entrance of the facility listing the facility name, permit number and emergency contact information as well as materials accepted at the facility. The operating hours are Monday through Friday, 7:00am to 5:00pm; and Saturday 7:00am to Noon.

3. The current permit, site plan and operations plan were reviewed during the inspection.

4. Daily tonnage records were reviewed. Currently the facility is averaging approximately 275 tons per day of C&D waste. The permit has an annual limit of 200,000 tons per year for the Phase 2 portion of the facility. Operations are currently in Phase 2, Cell B.

5. The following are certified operators at the facility:
   a) Roger Barnes – Certified Landfill Manager (MOLO), Cert #43189. expires April 30, 2014
   b) David Avent – Certified Landfill Operation Specialist, LF-2005001R, expires February 25, 2014
   c) Amy Williams - Certified Landfill Operation Specialist, LF-2011042, expires June 3, 2014
   d) Linwood Jermain Jones – Certified Landfill Operation Specialist expired April 14, 2012
   e) Ryan Johnson – Will be attending the next available class

6. Random waste screening reports were reviewed. The facility is completing 2 or 3 recorded waste screenings per day. The screening forms include a good breakdown of the randomly selected load. The facility is also doing a very good job of tracking loads that were rejected. If tonnage/loads increase, the number of waste screenings should also increase to ensure that 1% of all incoming waste loads are screened.

7. Groundwater sampling results were reviewed. The groundwater is sampled semi-annually as required in the detection monitoring program. Sampling has occurred in April and October of prior years. The most recent sampling event occurred October 2012 and was reviewed onsite.

8. Landfill gas monitoring results were reviewed. The monitoring is completed by a contracted consultant. The consultant utilizes a Landtec GEM-500 for analysis of the gas. Gas monitoring was completed quarterly during 2012. Results were reviewed for sampling dates 1/13/12 and 4/25/12. The results of the subsequent sampling events could not be located during the inspection.

9. The log showing the placement of cover material was reviewed during the inspection. The facility is maintaining a record of cover placed weekly showing time, date and material. Ensure that the solid waste is covered with six inches of earthen material when the waste disposal area exceeds one-half acre and at least once weekly.

10. Compost windrow temperatures are being recorded and maintained. A review of the temperature records indicated that compost windrow temperatures are being checked and recorded weekly. Continue to ensure that compost windrows are being maintained at temperatures at or above 55 degrees Celsius (131 degrees F) for 3 days and temperature readings are being documented for compost that is distributed to the public.

11. Operational cover should be maintained to promote runoff of surface water and direct storm water away from the working face. No standing water was observed within the waste footprint during this inspection. The working face was covered at the end of the day and improvements were made to better route storm water away from the waste. Operators of all C&DLF units must cover the solid waste with six inches of earthen material when the waste disposal area exceeds one-half acre and at least once weekly. Cover must be placed at more frequent intervals if necessary to control disease vectors, fires, odors, blowing litter, and scavenging. A notation of the date and time of the cover placement must be recorded.

Working face

Working face being covered

12. Windblown waste was observed in one of the sediment ponds. The waste was removed during the site visit. Ensure that windblown is collected at the end of each day and disposed of in the landfill.

Sediment pond (waste removed)

Compost windrows

13. Material in the composting area is being maintained in windrows with adequate space between the rows. No standing water was observed.

14. Concrete and asphalt are stockpiled onsite and ground periodically. These materials are being used on haul roads at the facility.

15. New signs have been ordered in both English and Spanish to demarcate all areas of the facility and serve as safety reminders.

16. A seep of leachate was observed in the northeast side slope of Phase I. The leachate was draining into the adjacent newly constructed cell. The leachate seep was stopped and the area was repaired during the inspection.

Leachate seep.

Area repaired

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

Shawn McKee
Environmental Senior Specialist
Regional Representative

Phone: 919-707-8284

Sent on: April 18, 2013		Email: X		Hand delivery		US Mail		Certified No. [__]

cc: Ellen Lorscheider, Planning and Program Management Branch Head – Solid Waste Section
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