



**FACILITY COMPLIANCE INSPECTION REPORT**  
**Division of Waste Management**  
**Solid Waste Section**

**UNIT TYPE:**

Lined MSWLF		LCID		YW		Transfer		Compost	<input checked="" type="checkbox"/>	SLAS		<b>COUNTY:</b> Wake <b>PERMIT NO.:</b> 92-30 <b>FILE TYPE:</b> COMPLIANCE
Closed MSWLF		HHW		White goods		Incin		T&P		FIRM		
CDLF	<input checked="" type="checkbox"/>	Tire T&P / Collection		Tire Monofill		Industrial Landfill		DEMO		SDTF		

**Date of Site Inspection:** February 29, 2012

**Date of Last Inspection:** April 19, 2011

**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](mailto: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:**

Jermain Jones - Highway 55 C&D Landfill  
 Amy Smith - Highway 55 C&D Landfill  
 Shawn McKee - NCDENR, Solid Waste Section  
 Dennis Shackelford - NCDENR, Solid Waste Section  
 Jason Watkins - NCDENR, Solid Waste Section

**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.

**FACILITY COMPLIANCE INSPECTION REPORT**  
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Page 2 of 4

**OBSERVED VIOLATIONS**

**15A NCAC 13B .0542(I)( 3) *Solid waste must not be disposed of in water.***

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. Facility is a privately owned C&D landfill and large type 1 composting facility.
2. The service area for the facility is Wake County.
3. 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.
4. The current permit, site plan and operations plan were reviewed in the office.
5. Daily tonnage records were reviewed. Currently the facility is averaging between 215 and 225 tons per day of C&D waste. The permit has an annual limit of 300,000 tons per year for the Phase 2 portion of the facility.
6. The following are certified operators at the facility:
  - a) Roger Barnes – Certified Landfill Manager (MOLO) expires April 30, 2014
  - b) David Avent – Certified Landfill Operation Specialist expires February 25, 2014
  - c) Linwood Jermain Jones – Certified Landfill Operation Specialist expires April 14, 2012
  - d) Derek Hutt will be sent to the next available training class.
7. 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.
8. 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 2011 and was reviewed onsite.
9. 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 2011.
10. The log showing the placement of cover material was reviewed during the inspection. **The time that the cover is placed must be recorded in addition to the date.**

**FACILITY COMPLIANCE INSPECTION REPORT**  
**Division of Waste Management**  
**Solid Waste Section**

Page 3 of 4

11. Operational cover is well maintained to promote runoff of surface water. No standing water was observed within the waste footprint during this inspection. **If mulch is being used as a soil amendment, it should be no deeper than 3 inches and vegetative groundcover sufficient to restrain erosion should be established.**
12. **Windblown waste was observed at the toe of the eastern slope. Ensure that windblown is collected at the end of each day and disposed of in the landfill.**



North slope - well graded but heavily mulched.



Toe of eastern slope.

13. Material in the composting area is being maintained in windrows. Grinding of the materials is currently being performed by a contractor.
14. Concrete is stockpiled onsite and ground periodically. According to Mr. Jones, concrete was last ground about 6 months ago. Parts have been ordered for the crusher and crushing will resume after the crusher has been repaired. **The concrete storage and crushing area should be shown on the Site Plan.**
15. **Construction of Phase 2 had exposed buried waste at the time of the inspection. A small amount of waste had also fallen from the side slope and into standing water at the bottom of the excavation. Waste must not be disposed of in standing water. Corrective actions were underway during the audit. Positive drainage must be provided in all areas where waste disposal is occurring.**



**FACILITY COMPLIANCE INSPECTION REPORT**  
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**Solid Waste Section**

Page 4 of 4

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



Phone: 919-707-8284

Shawn McKee  
Environmental Senior Specialist  
***Regional Representative***

<b>Sent on:</b> March 30, 2012		Email: X		Hand delivery		US Mail		Certified No. <input type="checkbox"/>
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cc: Ellen Lorscheider, Planning and Program Management Branch Head – Solid Waste Section  
Dennis Shackelford, Eastern District Supervisor – Solid Waste Section  
Jason Watkins, Western District Supervisor – Solid Waste Section  
John Murray, Environmental Engineer – Solid Waste Section  
Compliance Officer – Solid Waste Section