



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

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

**Date of Audit:** April 19, 2011

**Date of Last Audit:** October 29, 2009

**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:**

Scott Harris, Facility Manager  
[ksharris@griffinbrothers.com](mailto:ksharris@griffinbrothers.com)  
 (919) 367-2895 office; (919) 362-6424 fax

**FACILITY CONTACT ADDRESS:**

Scott Harris  
 P.O. Box 699  
 Holly Springs, NC 27540-0699

**AUDIT PARTICIPANTS:**

Scott Harris – Facility Manager, Highway 55 C&D Landfill  
 Ron Gilkerson – Compliance Manager, Griffin Brothers Companies  
 Chris Marriott – NCDENR, Solid Waste Section  
 John Patrone – 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
<b>PTO Expiration:</b>	<b>March 24, 2014</b>

**PURPOSE OF AUDIT:**

Comprehensive Audit

**NOTICE OF VIOLATION(S):**

None

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You are hereby 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 Statute or Regulations. For the violation(s) noted here, you 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.

**STATUS OF PAST NOTED VIOLATIONS:**

None

**AREAS OF CONCERN AND COMMENTS:**

- 1) Facility is a privately owned C&D landfill and large type 1 composting facility.
- 2) 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.
- 3) The facility is secured by a locking gate when it is not open for operation. The operating hours are Monday through Friday, 7:00am to 5:00pm; and Saturday 7:00am to Noon.
- 4) Permit was reviewed with all audit participants. According to Mr. Gilkerson, the construction on Phase 2 of the C&D landfill has been initiated and is expected to be completed in about 2 months.
- 5) The service area for the facility is Wake County.
- 6) The Site Plan and Operations Plan were reviewed in the office.
- 7) Daily tonnage records were reviewed. Currently the facility is averaging around 250 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.
- 8) The following are certified operators at the facility:

Roger Barnes – Certified Landfill Manager (MOLO)	expires April 30, 2014
David Avent – Certified Landfill Operation Specialist	expires February 25, 2014
Lamont Herndon – Certified Landfill Operation Specialist	expires April 14, 2012
Linwood Jermain Jones – Certified Landfill Operation Specialist	expires April 14, 2012
K. Scott Harris – Certified Landfill Operation Specialist	expires July 30, 2013
- 9) Random waste screening reports were reviewed. The facility is completing 1 or 2 recorded waste screenings per day. The number of screenings completed is based on the number of loads entering the facility. Currently the facility receives approximately 100-130 loads per day. If tonnage/loads increase, the number of waste screenings should also increase to ensure that 1% of all incoming waste loads are screened.
- 10) 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 the week of April 11<sup>th</sup>, however the results have not been received from the contracted consultant.
- 11) Groundwater well MW-1 was inspected during this visit. The casing was properly labeled, however, the hinge has rusted through and the well is not adequately secured. **Please repair the hinge of the well casing to ensure that the well is properly secured.**
- 12) 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 on the following dates: 10/19/2009, 1/19/2010, 4/15/2010, 7/13/2010, 10/27/2010. Some monitoring results were not on-site during this inspection and were later emailed to the SWS. Please ensure that all required records are kept on-site as required.
- 13) Division of Water Quality-stormwater sampling was recently completed on March 30, 2011 as required by the Stormwater Permit. It was discussed with Mr. Gilkerson during this inspection that stormwater basin SB-2 may need to have the sediment removed to ensure that it has the proper capacity for runoff.
- 14) Edge of waste markers consisting of 4x4 posts painted red are installed around the perimeter of the waste cell as requested.
- 15) According to Mr. Gilkerson, the inactive slopes have a minimum of 3 ft of soil cover. Vegetation on the side slopes was sparse at the time of this inspection. Mr. Gilkerson indicated that a spring round of hydro-seeding is currently underway at all Griffin Brothers facilities in North Carolina and he expects seeding to be completed at this facility no later than mid-May.
- 16) The required annual survey was discussed. The facility will complete the survey the week of April 23<sup>rd</sup>.
- 17) The working face was appropriately sized. The facility staff were reminded of the requirements on

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documentation of cover in 15A NCAC 13B .0542(n)(1)(F) which requires a notation of the date and time of placement of cover material.

- 18) Operational cover is well maintained to promote runoff of surface water. No standing water was observed within the waste footprint during this inspection.
- 19) No blowing waste was observed during this inspection. Please continue the good effort to limit windblown waste at the facility.
- 20) Dust control was being completed during this visit with the use of the facility's water truck.
- 21) The compost facility limits the intake of waste to the Town of Apex collection trucks.
- 22) There were 3 windrows at the site at the time of this inspection.
- 23) The temperature records were reviewed. Please ensure that any compost leaving the facility has been maintained at a temperature greater than 131 degrees Fahrenheit for minimum of 3 days.
- 24) It is recommended that any temperature probes be calibrated per manufacturer specifications or checked annually in an ice bath.

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



Phone: 336-771-5090

Chris Marriott  
 Environmental Senior Specialist  
*Regional Representative*

Delivered on : <u>May4, 2011</u> by		Hand delivery	<input checked="" type="checkbox"/>	e-mail		Certified No. [ ]
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cc: Jason Watkins, Central District Supervisor  
 Michael Scott, Solid Waste Section Chief  
 Donald Herndon, Compliance Officer