



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

<b>UNIT TYPE:</b>											
Lined MSWLF	<input checked="" type="checkbox"/>	LCID		YW		Transfer		Compost		SLAS	<b>COUNTY:</b> Wake  <b>PERMIT NO.:</b> 9209-MSWLF-1996 9209-MSWLF-1984 9209-CDLF- <b>FILE TYPE:</b> COMPLIANCE
Closed MSWLF	<input checked="" type="checkbox"/>	HHW		White goods	<input checked="" type="checkbox"/>	Incineration		T&P		FIRM	
Closed CDLF	<input checked="" type="checkbox"/>	Tire T&P / Collection	<input checked="" type="checkbox"/>	Tire Monofill		Industrial Landfill		DEMO		SDTF	

**Date of Site Inspection:** December 19, 2012     **Date of Last Inspection:** March 9, 2010

**FACILITY NAME AND ADDRESS:**

North Wake County MSW Landfill  
 9004 Deponie Drive  
 Raleigh, NC 27615

**GPS COORDINATES:** N: 35.90651    E: -78.57965

**FACILITY CONTACT NAME AND PHONE NUMBER:**

John Roberson, PE, Solid Waste Management Director  
 (919) 856-6365, john.roberson@wakegov.com

**FACILITY CONTACT ADDRESS:**

Waverly F. Akins Wake County Office Building  
 P.O. Box 550  
 Raleigh, NC 27602

**PARTICIPANTS:**

Shawn McKee, NCDENR-Solid Waste Section  
 Brian Polk, NCDENR-Division of Waste Management  
 Johnny C. Beal, Wake County Environmental Services  
 Lowell Shaw, Wake County Environmental Services  
 Casey Fulghum, Wake County Environmental Services

**STATUS OF PERMIT:**

Original Issue PTO **October 19, 1984**  
 Amendment 1 (MSWLF, YW Transfer, Intermittent HHW, Multi-Materials Drop-Off **November 22, 1991**  
 Amendment 2 (PTC Cells 1-5 under new Subtitle D Rules) **October 07, 1993**  
 Amendment 3 (Cells 1-4 and Transition Plan) **February 05, 1996**  
 Permit Renewal (Cells 5-6) **March 31, 1998**  
 Amendment 4 (Cells 7-11) **February 25, 1999**  
 Amendment 5 (CDLF) **June 22, 2001**  
 MSW Closure Modification **February 09, 2004**  
 Post-Closure Plan Permit Modification **September 2009**

**PURPOSE OF SITE VISIT:**

Partial inspection

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**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 lined municipal solid waste landfill (MSWLF) (1996) unit began receiving waste in 1996 and ceased receiving waste on May 29, 2008. The unlined MSWLF (1984) unit began accepting waste in 1984 and was closed in 1997. The construction and demolition landfill (C&DLF) (2001) unit began accepting waste in 2001 and was closed in 2003.
2. Portions of the landfill property (the closed C&DLF, portions of the closed lined MSWLF, and areas adjacent to the landfill footprint) opened to the public in July 2010 as a park. The eastern portion of the perimeter road around the closed lined landfill is closed to the public. The gated section of the perimeter road provides access to the flare and landfill gas collection equipment, the leachate collection system, and the closed unlined landfill.
3. The ground and surface water monitoring results for November 2011 and April 2012 for the unlined MSWLF (1984) were reviewed. The ground and surface water monitoring results for November 2011 and April 2012 for the lined MSWLF (1996) were reviewed. The ground and surface water monitoring results for November 2011 and April 2012 for the C&DLF (2001) were reviewed. The leachate sampling report from April 2012 was reviewed.
4. The following are facility certified personnel:  
Casey Fulgham, Certified Landfill Manager, exp. 6/8/15
5. The landfill caps are covered with native grasses and are mowed several times a year (October and May). The cover was in good condition for all units at the time of the inspection; no notable bald spots were observed. Some settling was evident on the cap of the unlined MSWLF but no evidence of ponded water or bare spots were observed.



Top of C&D unit looking east at lined MSWLF.



Northeastern side slope of lined MSWLF & flare

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6. The C&DLF is secured by a gate which prohibits unauthorized vehicular traffic but the hill is accessible to the public via a paved pathway around the hill and a gravel road to the top of the landfill.
7. The lined MSWLF has a leachate collection system. An average of 0.1 gallons per minute of leachate is currently being discharged from the collection system into the sanitary sewer system.
8. The unlined MSWLF (1984) is fenced and secured by a locked gate and is not accessible to the public.
9. The air sparging system has been installed but it is not yet in operation.



Leachate collection system equipment.



Air sparging system

10. The site is contiguous with permit 92-18HHW collection site. The facility also includes a solid waste and recycling convenience area for county residents, as well as a staffed multi-material recycling facility.
11. The multi-material recycling facility receives materials from residential customers. The items collected include used motor oil, antifreeze, electronics, appliances, white goods, tires, empty pesticide containers, and cooking oil.



Multi material collection



Tire collection (left) & multi material collection (right)

12. The facility was clean and being well maintained.

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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*

Sent on: February 5, 2013		Email: X		Hand Delivery		US Mail		Certified No. [ ]
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cc: Dennis Shackelford, Eastern District Supervisor – Solid Waste Section  
Ellen Lorscheider, Programs and Planning Branch Head  
Jessica Montie, Compliance Officer – Solid Waste Section