

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

**UNIT TYPE: (check all that apply to this audit with same Permit number)**

Lined MSWLF	LCID	YW	Transfer	Compost	SLAS	<b>COUNTY: Forsyth</b> <b>PERMIT NO.: 34-19</b> <b>FILE TYPE: COMPLIANCE</b>
Closed MSWLF	HHW	White goods	Incin	T&P	X FIRM	
CDLF	Tire T&P / Collection	Tire Monofill	Industrial Landfill	DEMO	SDTF	

Date of Audit: 10-17-07

Date of Last Audit: 7-18-07

**FACILITY NAME AND ADDRESS:**

Lowder Recycling and Disposal, LLC  
 2840 Griffith Road  
 Winston-Salem, NC 27103

**GPS COORDINATES: (Decimal Degrees) N: 36.0367° W: 80.3136°**

**FACILITY CONTACT NAME AND PHONE NUMBER:**

Roger Mayhew, Billy Keiger, or Eugene Lowder – (336) 760-0477

**FACILITY CONTACT ADDRESS (IF DIFFERENT):**

Same

**AUDIT PARTICIPANTS:**

Jason Watkins, DWM – Solid Waste  
 Michael Young  
 John Landreth

**STATUS OF PERMIT:**

Permit expires July 1, 2009

**PURPOSE OF AUDIT:**

Comprehensive Audit

**NOTICE OF VIOLATION(S) (citation and explanation):**

n/a

You are hereby advised that, pursuant to N.C.G.S. 130A-22, an administrative penalty of up to \$5,000 per day may be assessed for each violation of the Solid Waste Statute or Regulations. If the violation(s) noted here continue, 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.

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**STATUS OF PAST NOTED VIOLATIONS (List all noted last audit):**

**1. Permit Condition #5 states that "any heat generation in excess of 110 degrees Fahrenheit (composting) in any of the piles of material at the facility will be considered a permit violation".**

*This facility is in violation of permit condition #5 in that random temperature checks were performed during the inspection and temperatures were found above the 110 degree reading. At least 2 readings were taken in every other windrow, and in 4 instances temperatures were above 110 degrees with 2 readings at/above 120 degrees.*

**In order to obtain compliance in this matter, the following must occur prior to September 15, 2007:**

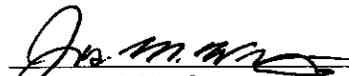
**1. Develop and implement a plan to ensure temperature readings stay below permitted limits. A copy of this plan of action should be submitted to the Winston-Salem Regional office.**

*A temperature monitoring/maintenance plan was submitted to the Section on 8-14-07. It is being implemented but with mixed results at present.*

**AREAS OF CONCERN AND COMMENTS:**

1. Facility appeared to be well managed in terms of maintaining buffers, proper windrow sizes, layout, etc.
2. The facility has reduced the size of their windrows to be able to better manage them.
3. It generally takes about 2-3 weeks for material to arrive at the site, be processed, and then removed from the site.
4. Facility is still experiencing temperature recordings above the 110 degree mark according to their sampling data. Based on observations of the feed stock piles, it appears that the facility has a large amount of green waste mixed into the loads on land clearing debris arriving on site. This is not a permit violation, but may be the source of some of the heat generation.
5. I randomly took temperature readings in the two newest windrows and found no temperatures above 115 degrees, although facility staff noted that their sampling a few days before did register higher numbers.
6. Facility is going to try several different scenarios of windrows (size, segregation of materials, etc) to see if they can determine a practice that will allow the temperature measurements to be managed within the permit specifications.

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

 (signature) Phone: 336-771-5092  
 Jason M. Watkins  
 Regional Representative

**Distribution: original signed copy to facility -- signed copy to compliance officer – e-mail or copy to super**

Delivered on : <u>10-19-07</u> by		hand delivery	X	US Mail		Certified No.
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Cc: Deb Aja, Western Regional Supervisor  
 Mark Poindexter, Field Operations Branch Head  
 Mike Scott, Composting/Land Application Branch Head