



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

**UNIT TYPE:**

Lined MSWLF		LCID		YW		Transfer		Compost	<input checked="" type="checkbox"/>	SLAS		COUNTY: HALIFAX PERMIT NO.: 42-06 FILE TYPE: COMPLIANCE
Closed MSWLF		HHW		White goods		Incin		T&P		FIRM		
CDLF		Tire T&P / Collection		Tire Monofill		Industrial Landfill		DEMO		SDF		

Date of Audit: January 13, 2009Date of Last Audit: January 30, 2008**FACILITY NAME AND ADDRESS:**

CALEDONIA CORRECTIONAL INSTITUTION, SMALL TYPE III COMPOST FACILITY  
 2787 Caledonia Drive  
 Tillery, NC 27887

**GPS COORDINATES:**     **N:** 36.273422                      **W:** 077.485045

**FACILITY CONTACT NAME AND PHONE NUMBER:**

Jeff Williams, Maintenance Supervisor, Tel- 252-826-5621, Fax- 252-826-4146  
 Jamie Flora, Composting and Waste Water Treatment Operator, Tel- 252-826-5621

**FACILITY CONTACT ADDRESS:**

Jamie Flora, Compost Operator  
 Caledonia Correctional Institution  
 Small Type III Compost Facility  
 P.O. Box 137  
 Tillery, NC 27887

**AUDIT PARTICIPANTS:**

Mary Whaley, NCDENR, Solid Waste  
 Michael Scott, NCDENR, Composting and Land Application Branch Head  
 Elizabeth Patterson, NCDENR, Composting and Land Application Branch  
 Megan Mueller, NCDENR, Composting and Land Application Branch, Intern  
 Jamie Flora, Composting Operator

**STATUS OF PERMIT:**

Permit issued March 2005, and expired on July 31, 2009. The Section is reviewing the renewal.

**PURPOSE OF AUDIT:**

To conduct a comprehensive audit of a small Type III Compost Facility.

**NOTICE OF VIOLATION(S):**

NONE

**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.**

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Page 2 of 2

**STATUS OF PAST NOTED VIOLATIONS:**

*15A NCAC 13B .1406(12) and (C) states: The composting process shall qualify as a process to further reduce pathogens for all Type 3 and Type 4 facilities. The following are acceptable methods: (C) The within-vessel composting method, in which the temperature in the compost piles shall be maintained at a minimal temperature of 131 degrees F (55 degrees Celcius) for three days. The temperatures in some of the bins never reached 131 degrees F for three days. Procedures must be looked at in order to reach 131 degrees F for three days. The material that does not reach temperature should not be considered acceptable compost. Submit in writing within 15 days of receipt of this Notice, the facilities procedures to increase the temperature to coincide with the rules. Submit this to Mary Whaley, PO Box 59, Oxford, NC 27565. If the Operations Plan needs to be amended, submit for approval to Ted Lyon, NCDENR, Solid Waste Section, 401 Oberlin Road Suite 150, 1646 Mail Service Center, Raleigh, NC 27699-1646.*

A letter dated February 27, 2008, was received stating that the facility would be insuring that the required temperatures would be met, prior to the use of any of the material as compost. Notice of Violation was resolved.

**AREAS OF CONCERN AND COMMENTS:**

1. Wood chips and food waste from the cafeteria of Caledonia will be composted by the within –vessel composting method, in concrete and wood bins, under a roofed shed. The facility has not been producing compost, as problems with temperatures were occurring with the use of the peanut shells. The facility hopes to have the process up and running according to the rules, within the next couple of months.
2. The existing piles of partially composted peanut shells and food waste will not be used as compost. Michael Scott must be contacted prior to any land application of the material. The material may be disposed of at a permitted facility.
3. Insure that all thermometers are calibrated.
4. Records were reviewed and all seem to be in order. Insure that all of the required metals are run in the Waste Analysis Report. The percent of foreign matter needs to be calculated.
5. If there is any change in operation, you must submit an amendment to the Operation’s Plan to Michael Scott, NC DENR, Land Application and Composting, 1646 Mail Service Center, Raleigh, NC 27699-1646, for approval, prior to the change being made.
6. Fecal counts must be less than 1000ppm. The use of equipment for the compost needs to be looked at to insure that cross contamination does not occur.

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



Mary Whaley  
 Environmental Senior Specialist  
 Regional Representative

Phone: 919-693-5023

Delivered on : <u>January 20, 2010</u> by		hand delivery	<b>X</b>	US Mail		Certified No.
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cc: Dennis Shackelford, Eastern District Supervisor  
 Mark Poindexter, Field Operations Branch Head  
 Michael Scott, Composting and Land Application