



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

<b>UNIT TYPE:</b>											
Lined MSWLF		LCID		YW		Transfer		Compost	<input checked="" type="checkbox"/>	SLAS	<b>COUNTY: HALIFAX</b> <b>PERMIT NO.: 4206-COMPOST</b> <b>FILE TYPE: COMPLIANCE</b>
Closed MSWLF		HHW		White goods		Incin		T&P		FIRM	
CDLF		Tire T&P / Collection		Tire Monofill		Industrial Landfill		DEMO		SDTF	

**Date of Site Inspection:** December 19, 2014

**Date of Last Inspection:** November 25, 2013

**FACILITY NAME AND ADDRESS:**

Caledonia Correctional Institution, Small Type III Compost Facility  
 2787 Caledonia Drive  
 Tillery, NC 27887

**GPS COORDINATES:** N: 36.273422                      E: -77.485045

**FACILITY CONTACT NAME AND PHONE NUMBER:**

Name: Lee Gibson, Maintenance Supervisor  
 Telephone: 252-826-5621  
 Email address: Lee.Gibson@ncdps.gov  
 Fax: 252-826-4146

**FACILITY CONTACT ADDRESS:**

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

**PARTICIPANTS:**

Mary Whaley, NCDENR, Solid Waste  
 Joel Stephenson, Grounds Keeper Supervisor/ Compost Operator  
 William Robertson, Compost Operations Assistant  
 Shawn McKee, NCDENR, Solid Waste  
 Tony Gallagher, NCDENR, Composting and Land Application Branch, Supervisor

**STATUS OF PERMIT:**

Permit issued February 3, 2010 and **will expire February 3, 2015**. Completed application had been submitted and Tony Gallagher, Composting and Land Application Branch, Supervisor, was visiting site prior to permit being issued.

**PURPOSE OF SITE VISIT:**

Comprehensive inspection

**STATUS OF PAST NOTED VIOLATIONS:**

NA

**OBSERVED VIOLATIONS:**

NA

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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. Wood chips and food waste from the cafeteria of Caledonia is being composted by the within –vessel composting method, in concrete and wood bins, under a roofed shed. Twice a month, fifteen 55 gallon drums of food waste from the cafeteria, are mixed with wood chips and then composted. **Some eggs from the chicken farm, on the property, are also being added to the mix. Insure that this is included in your Ops Plan and/or Permit**
2. The system of blowers for the compost bins appears to be working. Tony Gallagher suggested that a layer of 6-8 inches of hay be laid down on the floor of the bins prior to the compost mix being added, to help with the airflow and help keep the food waste from clogging the air vents.
3. If there is any change in operation, you must submit an amendment to the Operation’s Plan to Tony Gallagher, NC DENR, Composting and Land Application Branch, 1646 Mail Service Center, Raleigh, NC 27699-1646, for approval, prior to the change being made.
4. Reminder:
  - a. Compost shall not be applied to the land, sold or given away if the concentration of any metal exceeds the concentration in .1407 (a) Table 1.
  - b. Testing must include ‘Manmade Inerts % dry wt. of inerts’ per .1407 (b). ‘A’ compost would be less than or equal to 6 and ‘B’ compost would be greater than or equal to 6.
  - b. Testing should be done in units according to Table 1 in .1407 (a).
  - c. Testing must include ‘ % Foreign Matter’ as required in .1408 (a) (1) Table 3, as well as the other parameters in Table 3 for ‘all’ facilities.
5. All thermometers appear to have been recently calibrated and accurate. Very Good. Please not in the log or calendar when calibration is done.
6. The Permit, Ops Plan and some of the testing results were not readily available. It is strongly recommended that the Permit, Ops Plan, testing results and all required logs be kept in one area for easy access. Copies of documents may be needed in order to have all required paperwork readily available **It is also strongly advised that the Permit and Operation’s Plan be reviewed ( and signed to show proof of reading) periodically by anyone who works at the compost area.**
7. **Fecal counts must be less than 1000 ppm. Please review all processes to determine where fecal contamination is occurring.** Cleaning equipment with plain water will not disinfect the equipment. A simple bleach solution or other type of disinfectant that would not leave residuals in the compost is strongly recommended. Nets or wire mesh may be needed to keep birds and/ or rats out of the compost. As discussed at the site, add a thin layer of wood chips, 4-6 inches, to the top of the bin material, as a physical barrier or filter to the birds and rats.
8. **Product is not given to the public. It is used around the prison in flower beds. If the fecal count is above 1000 ppm, the finished compost must be reincorporated into the processing bins to go through the process again. If the fecal count is over 1000, it must be recorded in the log that the material is being reintroduced to the ‘to be’ composted mix.**

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



Phone: 919-693-5023

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Environmental Senior Specialist  
*Regional Representative*

<b>Sent on:</b> <u>January 14, 2015</u>	X	Email		Hand delivery		US Mail	Certified No. [ ]
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Copies: Dennis Shackelford, Eastern District Supervisor  
Jessica Montie, Compliance Officer  
Tony Gallagher, Composting and Land Application



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