



FACILITY COMPLIANCE INSPECTION 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.: 4206-COMPOST FILE TYPE: COMPLIANCE
Closed MSWLF		HHW		White goods		Incineration		T&P		FIRM		
CDLF		Tire T&P / Collection		Tire Monofill		Industrial Landfill		DEMO		SDTF		

Date of Site Inspection: November 25, 2013

Date of Last Inspection: February 29, 2012

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
 Lee Gibson, Maintenance Supervisor
 Joel Stephenson, Grounds Keeper Supervisor/ Compost Operator

STATUS OF PERMIT:

Permit issued February 3, 2010 and **will expire February 3, 2015**. Paperwork for new permit should be submitted to Tony Gallagher, Composting and Land Application Branch, Supervisor, at least 6 months prior to the expiration date.

PURPOSE OF SITE VISIT:

Comprehensive inspection

STATUS OF PAST NOTED VIOLATIONS:

NA

OBSERVED VIOLATIONS:

NA

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.

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ADDITIONAL 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. Twice a month, fifteen 55 gallon drums of food waste from the cafeteria, are mixed with wood chips and then composted.
2. The system of blowers for the compost bins has been upgraded and appears to be working.
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. 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.
5. **Insure that all thermometers are calibrated on a regular time frame.** I would suggest this to be done at least once a month or if the thermometer gets knocked in any way. A method of calibration was shown to Gibson and Stephenson.
6. Records were reviewed and all seem to be in order. It is strongly recommended that the Permit, Ops Plan and all required logs be kept in one area for easy access. **It is also strongly advised that the Permit and Operation’s Plan be reviewed 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.** Nets or wire mesh may be needed to keep birds and/ or rats out of the compost. As discussed on the telephone, add a thin layer of wood chips 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.**
9. Pictures were not taken.
10. The 15A NCAC .1400 compost rules are being sent as an attachment, along with this report.

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



Phone: 919-693-5023

Environmental Senior Specialist
Regional Representative

Sent on: <u>December 6, 2013</u>	X	Email		Hand delivery		US Mail		Certified No. []
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Copies: Dennis Shackelford, Eastern District Supervisor
 Jessica Montie, Compliance Officer