



FACILITY COMPLIANCE INSPECTION REPORT
Division of Waste Management
Solid Waste Section

UNIT TYPE:											
Lined MSWLF		LCID		YW		Transfer		Compost	X	SLAS	COUNTY: Forsyth PERMIT NO.: SWC-34-21 FILE TYPE: COMPLIANCE
Closed MSWLF		HHW		White goods		Incineration		T&P		FIRM	
CDFL		Tire T&P / Collection		Tire Monofill		Industrial Landfill		DEMO		SDTF	

Date of Site Inspection: February 6, 2014 & February 18, 2014

Date of Last Inspection: March 26, 2013

FACILITY NAME AND ADDRESS:

Dixie Classic Fairgrounds – Small, Type-3 SWC Facility
 421 West 27th Street
 Winston-Salem, North Carolina 27105

GPS COORDINATES: N: 36.12518 W: 80.25136

FACILITY CONTACT NAME AND PHONE NUMBER:

Name: David Sparks, Director, Dixie Classic Fairgrounds
 Telephone: (336) 727-2236
 Email address: sparks@dcfair.com
 Fax: (336) 727-2799

FACILITY CONTACT ADDRESS:

Post Office Box 7525
 Winston-Salem, North Carolina 27109

PARTICIPANTS:

David Smith, Crew Coordinator & Landscape Supervisor
 Charles Gerstell, NCDENR-Solid Waste Section

STATUS OF PERMIT:

The Dixie Classic Fairgrounds was issued a Permit to Operate at Small, Type 3 Solid Waste Compost Facility on October 18, 2010. This permit shall expire on October 18, 2015.

PURPOSE OF SITE VISIT:

Comprehensive Inspection

STATUS OF PAST NOTED VIOLATIONS:

N/A

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.

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ADDITIONAL COMMENTS

1. This facility consists of a Small, Type 3 Solid Waste Compost Facility which produces compost from manure, straw, mulch, and scrap food waste generated at the Dixie Classic Fairgrounds.
2. Feedstocks are collected from animal bedding used during livestock events at the fairgrounds. Waste is composted in a series of 6 bins using forced aeration.
3. An initial inspection was performed on February 6, 2014. During the inspection, Mr. Smith did not have access to tonnage and temperature reports along with copies of the permit and operations plan as this documentation was at his new office. It was determined that a follow-up inspection would be performed to verify the temperature logs and supporting documentation. The follow-up inspection was originally scheduled for February 14, 2014, but had to be rescheduled for February 18, 2014 due to a winter storm.
4. The permit and operations plan were verified. Both documents were current.
5. Temperature records were verified for October 14, 2013 through October 28, 2013. These records demonstrated that compost at the facility had been maintained $\geq 104^{\circ}\text{F}$ for 14 days as required by 15A NCAC 13B .1406(11).
 - Temperature records were also verified for February 12, 2014 through February 17, 2014. All temperatures were in excess of 104°F .
 - No temperature recordings were taken from October 28, 2013 through February 12, 2014. Mr. Smith explained that this was the result staff numbers being decreased as a result of changes associated with the sale of the LJVM Coliseum.
6. The facility is approved to distribute compost to the general public. However, the compost is not distributed the public at this time.
7. The facility had proper signage.
8. Multiple gates are provided at the entrance to the facility to prevent unauthorized access.
9. No unacceptable waste streams were observed during either inspection.
10. No significant odors were observed.
11. All compost was placed into the recycling bins following the Dixie Classic Fair in October of 2013. Mr. Smith explained that no additional material has been added to the compost since the fair. Documentation showed that a total of 355.72 tons of material was placed in the compost bins.
12. During the inspection performed on February 6, 2014, compost material was observed in the staging area in front of the compost bins. Mr. Smith stated that the material had been pulled out to be turned, but weather and equipment failures had delayed the placement of the compost back into Bin #1.
 - Inspection of the facility on February 18, 2014, found no compost in the staging area. All material had been moved back into bin #1.
 - The approved operations manual provides that all compost turning is to take place within the bins provided on site. Therefore, no compost turning should take place within the staging area in the future.
 - If site conditions do not allow for turning as detailed in the approved operations manual, alternative measures may be needed such as the installation of an additional compost bin. Any changes to compost operations or layout of the facility must be presented to the Solid Waste Section for approval prior to implementation.
13. The approved operations manual states that compost will be turned at least once every three weeks until all material looks uniform. Please ensure that a record is made of when compost is turned. This can be accomplished by documenting the information within the "Notes" portion of the temperature reports.
14. Mr. Smith explained that all piping associated with the forced aeration system was replaced with new material during the week of October 1, 2013. It is recommended that a maintenance log be kept to document when upgrades or maintenance is performed on the aeration system.
15. Mr. Smith explained during the initial inspection on February 6, 2014, that the staging area has been used to windrow and compost material in the past. The Permit to Operate only approves the compost method detailed in the approved application and operations manual. Therefore, composting must only take place in the compost bins equipped with the forced aeration system. Alternative methods of composting will be considered a violation of the Permit to Operate and the Administrative Rules.
16. The containment berm appeared to have adequately maintained along the eastern perimeter of the site. The berm had been maintained level across the top as detailed in the approved operations manual.

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- 17. Analytical testing for metal concentrations was last performed on June 10, 2013. Mr. Smith stated that samples will be taken for current compost on site once material is moved to bin # 7 for curing.
- 18. Pathogen testing for fecal coliform was last performed on June 10, 2013 by EMSL Analytical, Inc. This test appears to be different than those normally submitted to the Solid Waste Section which provides a value in MPN/g. Mr. Smith submitted test results from 2012 by electronic correspondence on March 4, 2014 which provided similar information as that provided on the 2013 test report. It is recommended that the laboratory be contacted and a determination be made as to whether the method used is equivalent to the method provided under Attachment B, of Section .1400 of the North Carolina Solid Waste Administrative Rules.

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



Charles T. Gerstell
Environmental Senior Specialist
Regional Representative

Phone: (704) 235-2144

Sent on: <u>3/4/14</u>	<input checked="" type="checkbox"/>	Email		Hand delivery		US Mail		Certified No. []
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Copies: Jason Watkins, Western District Supervisor
Sarah M. Rice, Compliance Officer