



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: Forsyth PERMIT NO.: 34-21 SWC FILE TYPE: COMPLIANCE
Closed MSWLF		HHW		White goods		Incin		T&P		FIRM		
CDFL		Tire T&P / Collection		Tire Monofill		Industrial Landfill		DEMO		SDF		

Date of Audit: May 17, 2011**Date of Last Audit:** May 28, 2010**FACILITY NAME AND ADDRESS:**

Dixie Classic Fairgrounds - Small, Type III SWC Facility
 421 West 27th Street
 Winston-Salem, NC 27105

GPS COORDINATES: **N:** 36.12518 **E:** 80.25136**FACILITY CONTACT NAME AND PHONE NUMBER:**

David Sparks – Director, Dixie Classic Fair
 w. 336-727-2236
 f. 336-727-2799
 sparks@dcfair.com

FACILITY CONTACT ADDRESS:

Dixie Classic Fair
 David Sparks, Director
 PO Box 7525
 Winston-Salem, NC 27109-7525

AUDIT PARTICIPANTS:

John Patrone, NCDENR – Solid Waste Section (SWS)
 David Smith, Crew Coordinator & Landscape Supervisor - LJVM Coliseum
 Matt Harp, Maintenance Worker - LJVM Coliseum

STATUS OF PERMIT:

Permit To Operate (PTO) issued October 18, 2010
 PTO expiration date October 18, 2015

PURPOSE OF AUDIT:

Comprehensive Audit

NOTICE OF VIOLATION:

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.

STATUS OF PAST NOTED VIOLATION(S):

None

FACILITY COMPLIANCE AUDIT REPORT
Division of Waste Management
Solid Waste Section

Page 2 of 3

AREAS OF CONCERN AND COMMENTS:

On May 17, 2011, John Patrone met with David Smith and Matt Harp to conduct a comprehensive audit of the Dixie Classic Fairgrounds - Small, Type III Solid Waste Compost Facility located on West 27th Street in Winston-Salem, Forsyth County.

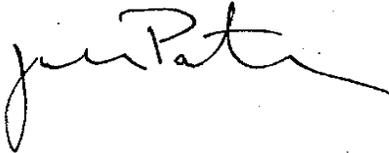
1. The on-site contact is David Smith, Crew Coordinator & Landscape Supervisor with the Lawrence Joel Veterans Memorial Coliseum. Contact information for Mr. Smith: w: 336-727-2900, c: 336-409-4881, f. 336-727-2922, dsmith@ljvm.com.
2. The facility is a Small, Type III Solid Waste Compost (SWC) Facility. It produces compost from manure, straw, mulch, and scrap food wastes generated primarily at the Dixie Classic Fair (held annually in the fall) at the Lawrence Joel Veterans Memorial (LJVM) Coliseum and from other events (involving animals) held throughout the year.
3. The facility permit, site plan, and operations plan were discussed.
4. The compost produced is primarily used for animal bedding at the Dixie Classic Fair. If the facility produces and excess of compost it may also be used by the Winston-Salem Entertainment-Sports Complex (property where the LJVM Coliseum is located) as landscape mulch. However, in recent years a decrease in events involving animals has limited the amount of material to produce compost.
5. The facility is approved to distribute compost to the general public however the compost is not distributed (see SWS file copy letter dated June 13, 2005).
6. The facility aerates compost piles using forced aeration. After an event material is brought to the compost area and placed in six large rectangular bins, or as many as is needed. Each bin is separated from the other by large cement blocks. Over a period of weeks the material is continually aerated and turned/mixed by moving it from one bin to the other. Material is forced aerated and turned/mixed in bin Nos. 1 through 6 until it breaks-down and temperature requirements have been met. A seventh bin, larger in size, is used for curing the material (from bins 1 through 6). After the material has cured/becomes usable compost it is distributed for use.
7. Currently, bins 1 through 6 do not contain material. Bin number 7 contains material that has cured and will be used at the Dixie Classic Fair in the fall, 2011. Mr. Smith stated that there are no planned animal events that will produce material for compost to be held at the LJVM Coliseum prior to the Dixie Classic Fair nor have there been any events that produced material for compost since the last fair in 2010.
8. Mulch is obtained in ~ 6 months and compost obtained in ~ 1 year.
9. Runoff from the facility is controlled by a catch basin built laterally along the front edge of the lot, ~ 40 feet from the compost bins. Stormwater collects along the berm of the catch basin where it is held, filtering into the ground.
10. During the audit the stormwater catch basin contained stormwater. Mr. Smith was reminded that the facility shall ensure that stormwater does not seep-out through the catch basin and that the berm is maintained/updated such that stormwater will not overflow the catch basin.
11. Temperature records were verified. The temperature records demonstrated that the facility obtained $\geq 131^{\circ}$ F for 3 days and $\geq 104^{\circ}$ F for 11 days, with an average temperature of $\geq 113^{\circ}$ F. Records were verified for October 11 through October 24, 2010.
12. Ensure that compost windrow thermometer annual calibration records are maintained.
13. Mr. Smith stated that testing was conducted for fecal coliform and metals on May 11, 2011, results are expected early June 2011. The facility conducts its own manmade & inert materials test, conducted in February, 2011 (result: < 1% per 35.1 tons).
14. The facility will test once or twice a year per availability of material (to test) or when throughput is $\geq 20,000$ tons. The number of animal focused events held at the LJVM Coliseum has decreased and thus the material available for compost has decreased. Mr. Smith stated that he isn't sure if the facility will have enough material to test biannually. The facility occasionally has to purchase bedding material (compost) for the Dixie Classic Fair. Mr. Smith was informed that if the facility tests once a year and new material to compost is brought on site after initial annual testing additional testing, prior to use, is required.

FACILITY COMPLIANCE AUDIT REPORT
Division of Waste Management
Solid Waste Section

Page 3 of 3

15. Mr. Smith maintains records of the quantity and type of material received. The amount of material received from (the Dixie Classic Fair) October 2010 is 239.63 tons. The type of material received is (used) animal bedding. A front end loader bucket (as used on-site) of wet material weighs ~ 1350 lbs and a bucket of dry material weighs ~ 1000 lbs.
16. Facility capacity is approved for 680 tons of feedstock per year.
17. The facility annual report was received July 29, 2010. Facility throughput for July 2009 through June 2010 is 338.80 tons.
18. Ensure that objects stored adjacent to the compost operation do not hold water.
19. The facility has proper signage.
20. The facility is secured by a locked gate and personnel are on site.
21. The permit expiration date is October 18, 2015.
22. Permit renewal application shall be submitted to the SWS prior to permit expiration. It is suggested that it be submitted by June 18, 2015.

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



 John Patrone
 Environmental Senior Specialist
Regional Representative

Phone: 336-771-5095 Fax: 336-771-4631

Delivered on : <u>May 24, 2011</u> by		Hand delivery/email	X	US Mail		Certified No. []
---	--	---------------------	----------	---------	--	-------------------

cc: Michael Scott, Section Chief
 Jason Watkins, Central Regional Supervisor
 Donald Herndon, Compliance Officer
 David Smith, Crew Coordinator & Landscape Supervisor - LJVM Coliseum