



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 28, 2010**Date of Last Audit:** December 10, 2009**Additional Information Submitted:** June 9, 2010**FACILITY NAME AND ADDRESS:**

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

GPS COORDINATES: N: 36.12437 E: -80.25434**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)
 Brian Day, Operations Director, Winston-Salem Entertainment-Sports Complex
 Matt Harp, Laborer, Lawrence Joel Veterans Memorial Coliseum
 Additional information submitted to SWS June 9, 2010 by David Smith, Crew Coordinator & Landscape Supervisor

STATUS OF PERMIT:

Permit To Operate (PTO) issued July 1, 2005.
 PTO expires July 1, 2010.
 Permit Renewal Application received by SWS May 28, 2010

PURPOSE OF AUDIT:

Comprehensive Audit

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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STATUS OF PAST NOTED VIOLATION(S):

None

AREAS OF CONCERN AND COMMENTS:

On May 28, 2010, John Patrone met with Brian Day and Matt Harp to conduct a comprehensive audit of the Small, Type III Solid Waste Compost Facility located at 421 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: 336-727-2236 x105, c: 336-409-4881, dsmith@ljvm.com.
2. The facility permit renewal application was received by the SWS – Composting and Land Application Branch on May 28, 2010.
3. The facility site plan and operations plan were discussed.
4. 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.
5. The compost produced is primarily used for animal bedding at the Dixie Classic Fair and occasionally used by the Winston-Salem Entertainment-Sports Complex (property where the LJVM Coliseum is located) as landscape mulch.
6. 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).
7. The facility uses the static aerated compost method. After an event material is brought to the compost area and placed in six large 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 turned/mixed by moving it from one bin to the other. Material is 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.
8. Currently, bins 1 through 6 do not contain material. Bin number 7 contains material that is curing and will be used at the Dixie Classic Fair in the fall, 2010. Mr. Harp stated that there are no planned animal events to be held at the LJVM Coliseum prior to the Dixie Classic Fair.
9. Mulch is obtained in ~ 6 months and compost obtained in ~ 1 year.
10. Runoff from the facility is controlled by a berm built laterally along the front area of the compost bins. Stormwater is collected along the berm where it is held, filtering into the ground.
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 19 through November 2, 2009 and March 18 through March 31, 2010.
12. Testing records were verified for fecal coliform analysis conducted by Microbac Laboratories, Inc. on May 4, 2010 (results: 40 MPN/g wet fecal coliform and 42.40 mg/l % solids) and metals conducted by NCDA&CS – Agronomic Division recompleted on May 21, 2010 (results: all metals below required concentration levels). The facility conducts its own manmade & inert materials test, conducted on April 12, 2010 (result: < 1% per 35.1 tons).
13. The facility plans to conduct tests on a six-month rotation. However, 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 additional material to test biannually. The facility occasionally has to purchase bedding material (compost) for the Dixie Classic Fair. The facility will test once or twice a year per availability of material (to test) or when throughput is $\geq 20,000$ tons. If the facility tests once a year and new material to compost is brought on site after initial annual testing the facility shall conduct tests every six months.

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14. Mr. Smith maintains records of the quantity and type of material received. The amount of material received from (Dixie Classic Fair) October 2009 through (Pro Bull Riding) March 2010 is 385.4 tons. The type of material received is (used) animal bedding. A front end loader bucket (as is used on-site) of wet material weighs ~ 1350 lbs and a bucket of dry material weighs ~ 1000 lbs.
15. The facility has proper signage.
16. The facility is secured by a locked gate.

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



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

John Patrone
Environmental Senior Specialist
Regional Representative

Delivered on : <u>June 10, 2010</u> by		Hand delivery/email	X	US Mail		Certified No. []
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cc: Mark Poindexter, Field Operations Branch Supervisor
Jason Watkins, Central Regional Supervisor
Donald Herndon, Compliance Officer
Michael Scott, Composting and Land Application Branch Head
Elizabeth Patterson, Composting and Land Application Branch
David Smith, Crew Coordinator & Landscape Supervisor, LJVM Coliseum