



FACILITY COMPLIANCE INSPECTION REPORT
Division of Waste Management
Solid Waste Section

UNIT TYPE:											
Lined MSWLF		LCID		YW		Transfer		Compost		SLAS	COUNTY: Forsyth PERMIT NO.: CCB0077 FILE TYPE: COMPLIANCE
Closed MSWLF		HHW		White goods		Incin		T&P		FIRM	
CDFL		Tire T&P / Collection		Tire Monofill		Industrial Landfill		DEMO		SDTF	

Date of Site Inspection: June 11, 2015 **Date of Last Inspection:** Initial Inspection

FACILITY NAME AND ADDRESS:

Winston-Salem Lowery Street Site Structural Fill
 2000 Lowery St
 Winston-Salem, NC

GPS COORDINATES: N: 36.092861 W: -80.217786

FACILITY CONTACT NAME AND PHONE NUMBER:

Andy Allen, Special Projects Coordinator, City of Winston-Salem, 336-747-6968, andrewa@cityofws.org
 Keith Huff, Director of Stormwater/Erosion Control, City of Winston-Salem, 336-747-6962, keithh1@cityofws.org

FACILITY CONTACT ADDRESS:

City of Winston-Salem
 Stormwater/Erosion Control
 PO Box 2511
 Winston-Salem, NC 27102

PARTICIPANTS:

Shawn McKee, NCDENR, Solid Waste Section
 Andy Allen, Special Projects Coordinator, City of Winston-Salem

STATUS OF PERMIT:

Coal Ash Structural Fill constructed according to NCAC 13B .1700

PURPOSE OF SITE VISIT:

Comprehensive Inspection

STATUS OF PAST NOTED VIOLATIONS:

None.

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 also 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.

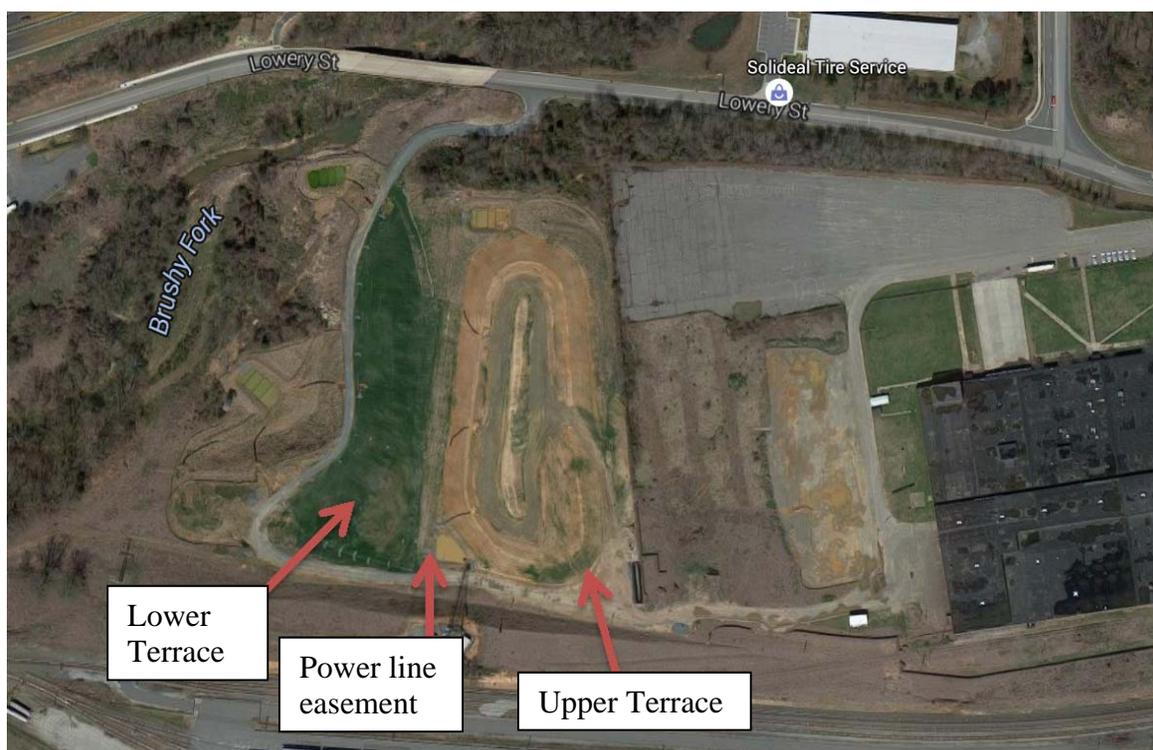
FACILITY COMPLIANCE INSPECTION REPORT
Division of Waste Management
Solid Waste Section

Page 2 of 2

ADDITIONAL COMMENTS

The engineered structural fill was built in accordance with NCAC 13B .1700. The fill utilizes approximately 40,000 cubic yards of coal as excavated from the land designated to become the Piedmont Triad Research Park. Based on historical records of the Research Park property, the source of the ash was believed to be from the former Manufactured Gas Plant which operated from 1900-1960 along Third and Fourth Streets in downtown Winston-Salem.

- 1) The site is addressed as 2000 Lowery Street and is owned by the City of Winston-Salem
- 2) The structural fill is divided into two portions; an “Upper Terrace” and a “Lower Terrace” with a power line easement running north-south between them. The upper terrace has a gravel parking area on top which will be used primarily for the periodic storage of city owned equipment such as leaf collection equipment or construction materials.
- 3) The area within the power line easement was not disturbed during the placement of the ash.
- 4) The encapsulation of the fly ash with a small quantity of bottom ash used in the project was completed in August 2013. The geofabric cap was completed shortly afterward. The facility is covered with a minimum of 12-inches compacted earth and an additional 6-inches of surface soil capable of supporting native vegetation as per 15A NCAC 13B .1705(j).



- 5) No evidence of erosion was observed during the site inspection. Slope drains have been installed to minimize erosion from storm events. The side slopes were well vegetated and do not have a slope greater than a 3:1 ratio as per 15A NCAC 13B .1705(l). City staff inspect the site on a monthly basis for erosion or other maintenance concerns.
- 6) The upper terrace is accessed through the gate on Lowery Street for the former Bahnson facility. The lower terrace is accessed from a gravel drive west of the main gate; this drive is secured with a locked gate.

FACILITY COMPLIANCE INSPECTION REPORT
Division of Waste Management
Solid Waste Section

Page 3 of 3



Slope Drain



Gravel pad on upper terrace

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

Environmental Senior Specialist
Regional Representative

Phone: 919-707-8284

Sent on: July 7, 2015		Email: X		Hand delivery		US Mail		Certified No. []
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- Copies:
- Ellen Lorscheider, Section Chief, Solid Waste Section
 - Ed Mussler, Permitting Branch Head, Solid Waste Section
 - Jason Watkins, Field Operations Branch Head, Solid Waste Section
 - Elizabeth Werner, Permitting Hydrogeologist, Solid Waste Section
 - Larry Frost, Engineering Project Manager, Solid Waste Section
 - Jessica Montie, Compliance Officer, Solid Waste Section