



**FACILITY COMPLIANCE AUDIT REPORT**  
**Division of Waste Management**  
**Solid Waste Section**

<b>UNIT TYPE:</b>												
Lined MSWLF		LCID		YW		Transfer		Compost		SLAS		<b>COUNTY: Catawba</b> <b>PERMIT NO.: 18-09</b> <b>FILE TYPE: COMPLIANCE</b>
Closed MSWLF		HHW		White goods		Incin		T&P		FIRM		
CDLF		Tire T&P / Collection		Tire Monofill		Industrial Landfill	<b>X</b>	DEMO		SDTF		

**Date of Audit:** April 29, 2010

**Date of Last Audit:** None

**FACILITY NAME AND ADDRESS:**

Duke Energy - Marshall Steam Station FGD Residual Landfill  
 8320 East NC Highway 150  
 Terrell, North Carolina 28682

**GPS COORDINATES:** N: 35.60463 W: 80.9774

**FACILITY CONTACT NAME AND PHONE NUMBER:**

Donna Burrell, Environmental Coordinator (828) 478-7820  
[donna.burrell@duke-energy.com](mailto:donna.burrell@duke-energy.com)

**FACILITY CONTACT ADDRESS:**

Same

**AUDIT PARTICIPANTS:**

Donna Burrell, Duke Power- Environmental Coordinator  
 Ed Sullivan, Duke Power- General Office  
 Carlton Allred, Duke Power-Materials Coordinator  
 Charles Gerstell, NCDENR-Solid Waste Section

**STATUS OF PERMIT:**

A Permit to Operate the Marshall Steam Station Flue Gas Desulfurization (FGD) Residual Landfill Phase 1, Cell 1 was issued on November 21, 2006 and is subject to review on November 21, 2011.

Duke Power was granted approval to dispose of asbestos and construction and demolition waste within the permitted facility by letter dated July 6, 2007 from Edward F. Mussler, III, Permitting Branch Supervisor.

Duke Power was granted approval to dispose of mill rejects within the permitted facility by letter dated July 22, 2008 from Larry Frost, Regional Engineer.

**PURPOSE OF AUDIT:**

Comprehensive

**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.

**FACILITY COMPLIANCE AUDIT REPORT**  
**Division of Waste Management**  
**Solid Waste Section**

Page 2 of 2

**STATUS OF PAST NOTED VIOLATIONS:**

N/A

**AREAS OF CONCERN AND COMMENTS:**

1. The permit and operations plans were reviewed. These documents were current and available for review.
2. Groundwater monitoring is being performed semi-annually as required.
3. Hydrogen sulfide (H<sub>2</sub>S) sampling is being performed semi-annually as required. No hydrogen sulfide has been detected.
4. The landfill is protected by fencing, wooden buffers, and security check stations.
5. A sign has been placed at the entrance to the facility with the permit number and statement that no hazardous or liquid waste is permitted per the approved operations plan.
6. Dust was well controlled at the time of inspection.
7. Asbestos was being placed into the proper designated are shown on the approved operations plan at the time of inspection. All waste was covered with soil.
8. Construction and demolition waste was being placed in the southwest corner of the facility at the time of inspection. All waste was covered with soil.
9. Edge of waste markers were in place at the time of inspection.
10. Accumulated material must be removed from the basin located on the south side of the facility and original storage capacity restored. The device was filled to maximum capacity at the riser. The skimmer was damaged at the time of inspection and must be repaired.
11. Non-spec. gypsum was being placed on top of the FGD waste at the time of inspection. This material creates a hard cover once dry.
12. It appeared that the initial lift of waste was nearing ten feet in vertical thickness. Be sure to apply 8-inches of intermediate cover soil at the completion of each ten feet in vertical thickness as shown on the approved operations plan.

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

  
 Charles T. Gerstell  
 Environmental Senior Specialist  
*Regional Representative*

Phone: (704) 235-2144

Delivered on : <u>5/12/10</u> by	<b>X</b>	Electronic Correspondence		US Mail		Certified No. <input type="checkbox"/>
----------------------------------	----------	------------------------------	--	---------	--	--

Cc: Mark Poindexter, Field Operations Branch Supervisor  
 Deborah Aja, Western District Supervisor  
 Ed Sullivan ([ed.sullivan@duke-energy.com](mailto:ed.sullivan@duke-energy.com))  
 Carlton Allred ([jcallred@duke-energy.com](mailto:jcallred@duke-energy.com))