



Waste Management  
ENVIRONMENTAL QUALITY

**FACILITY COMPLIANCE INSPECTION REPORT**  
**Department of Environmental Quality**  
**Division of Waste Management - Solid Waste Section**

UNIT TYPE:											
Lined MSWLF		LCID		YW		Transfer		Compost		SLAS	<b>COUNTY:</b> Person <b>PERMIT NO.:</b> CCB0003 <b>FILE TYPE:</b> COMPLIANCE
Closed MSWLF		HHW		White goods		Incin		T&P		FIRM	
CDLF		Tire T&P / Collection		Tire Monofill		Industrial Landfill		DEMO		SDTF	

**Date of Site Inspection:** August 24, 2016 **Date of Last Inspection:** August 24, 2015

**FACILITY NAME AND ADDRESS:**

Duke Energy Progress, Inc. - Roxboro Steam Electric Plant  
 Roxboro Plant Flue Gas Desulphurization (Gypsum) Storage Pad  
 1700 Dunnaway Road  
 Semora, NC 27343

**GPS COORDINATES:** N: 36.484451 W: -79.059001

**FACILITY CONTACT NAME AND PHONE NUMBER:**

Robert Miller, w. 336-597-7337, c. 336-503-2875, [robert.miller@duke-energy.com](mailto:robert.miller@duke-energy.com)  
 Kimberlee Witt, w. 980-373-2779, c. 336-215-4576, [Kimberlee.Witt@duke-energy.com](mailto:Kimberlee.Witt@duke-energy.com)

**FACILITY CONTACT ADDRESS:**

Duke Energy Progress, Inc.  
 Robert Miller  
 1700 Dunnaway Road  
 Semora, NC 27343

**PARTICIPANTS:**

Shawn McKee, NCDEQ, Solid Waste Section  
 Elizabeth Werner, NCDEQ, Solid Waste Section  
 Larry Frost, NCDEQ, Solid Waste Section  
 Kim Witt, Duke Energy  
 Evan Andrews, Duke Energy  
 Robert Miller, Duke Energy  
 Issa Zarzar, Duke Energy

**STATUS OF PERMIT:**

Not required - Coal Combustion By-products Structural Fill constructed per 15A NCAC 13B .1700 Solid Waste Rules

**PURPOSE OF SITE VISIT:**

Comprehensive inspection to ensure that the Structural Fill Facility is in compliance with 15A North Carolina Administration Code (NCAC) 13B. 1700, "Requirements For Beneficial Use Of Coal Combustion By-Products."

**STATUS OF PAST NOTED VIOLATIONS:**

None.

**OBSERVED VIOLATIONS**

None.

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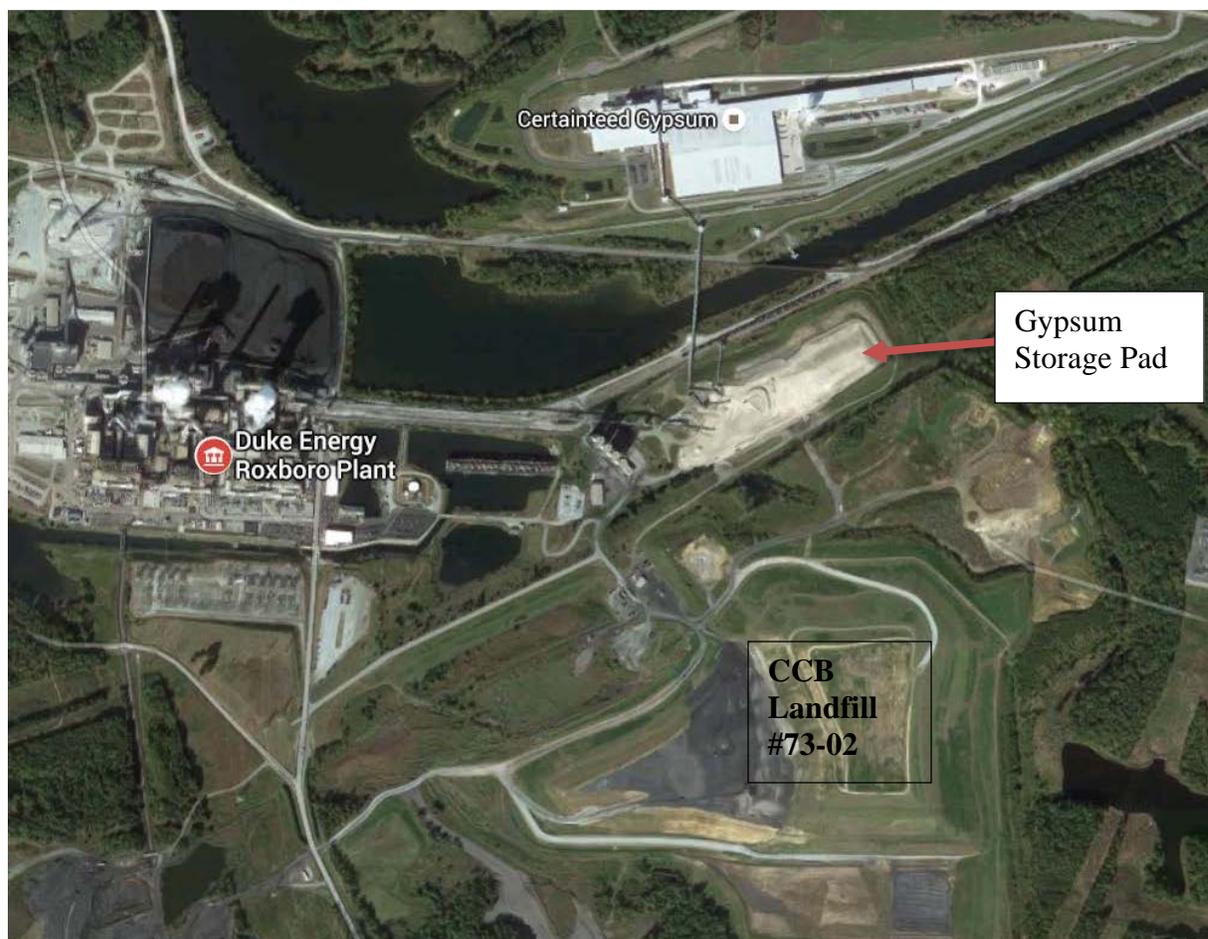
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The item(s) listed above were observed by Section staff and require action on behalf of the facility in order to come into or maintain compliance with the Statutes, Rules, and/or other regulatory requirements applicable to this facility. Be advised 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.

**ADDITIONAL COMMENTS**

Carolina Power & Light Company d/b/a Progress Energy Carolinas, Roxboro Steam Electronic Plant, completed construction of the structural fill project in early 2007. The Roxboro Plant Flue Gas Desulphurization (Gypsum) Storage Pad structural fill is located on the facility property, approximately 2,000 feet east of the Roxboro Steam Plant.

1. On November 7, 2005 the Solid Waste Section received the written structural fill notification from Progress Energy Service Company, LLC. The projected timeline for construction of the Roxboro Plant Gypsum Storage Pad structural fill was December 15, 2005 to March 15, 2006. The stated purpose of the structural fill is structural fill underneath select portions of a proposed 20 acre storage pad used for storing FGD gypsum prior to reuse.
2. According to the "Notification for Recordation of Structural Fill", dated November 27, 2007, 131,319 cubic yards or 131,319 tons of coal combustion by-products (specifically dry ash) were used in the project.
3. Per the requirements of 15A NCAC 13B .1707, the structural fill has been recorded on the property deed in Book 654 Page 242. The deed recordation occurred October 26, 2007.



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4. The Gypsum Storage Pad was being well maintained at the time of the inspection. No erosion or ponded water was observed during the inspection.



South side of storage pad looking west towards the power plant.

5. The structural fill is currently being used for its notified purpose. In the future if the structural fill is no longer utilized for its intended purpose as a Gypsum Storage Pad, per the requirements of 15A NCAC 13B .1705(j), the structural fill shall be covered with a minimum of 12-inches compacted earth and an additional 6-inches of surface soil capable of supporting native vegetation.

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

*S. A. Miller*

Phone: 919-707-8284

Environmental Senior Specialist  
***Regional Representative***

Sent on: September 8, 2016		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