

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

UNIT TYPE:											
Lined MSWLF		LCID		YW		Transfer		Compost		SLAS	COUNTY: Person PERMIT NO.: CCB0003 FILE TYPE: 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, 2015 **Date of Last Inspection:** Initial

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 E. Howard, w. 336-598-4077, c. 336-503-2875, robert.howard@duke-energy.com
 Kimberlee Hutchinson, w. 980-373-2779, c. 336-215-4576, kim.hutchinson@duke-energy.com

FACILITY CONTACT ADDRESS:

Duke Energy Progress, Inc.
 Robert E. Howard, Sr. EHS Professional
 1700 Dunnaway Road
 Semora, NC 27343

PARTICIPANTS:

Shawn McKee, NCDEQ, Solid Waste Section
 Elizabeth Werner, NCDEQ, Solid Waste Section
 Brian Polk, NCDEQ, Division of Waste Management
 Kim Hutchinson, Duke Energy
 Evan Andrews, Duke Energy
 Robert Miller, Duke Energy
 Leanne Wilson, 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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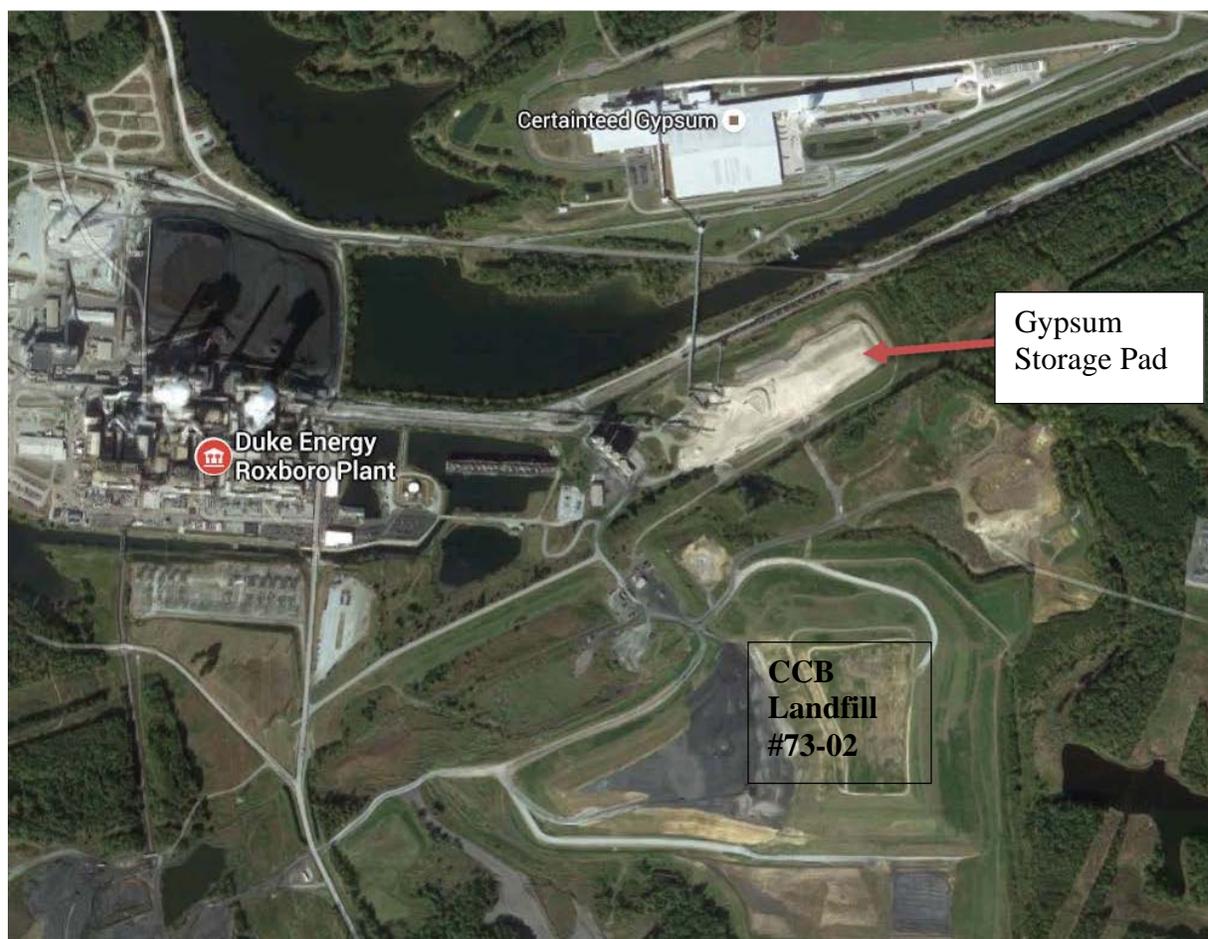
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The item(s) listed above were observed by Section staff and require action on behalf of the facility in order to come into or maintain compliance with the Statutes, Rules, and/or other regulatory requirements applicable to this facility. Be advised 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. Repairs were occurring on the northeastern corner of the storage pad during the inspection.



Southeast side of storage pad



Eastern corner of storage pad

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: October 20, 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