

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: Chatham PERMIT NO.: 1910-STRUC-2015 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: January 11, 2016 **Date of Last Inspection:** October 27, 2015

FACILITY NAME AND ADDRESS:

Brickhaven No. 2
 1473 Moncure-Flatwood Road
 Moncure, NC

GPS COORDINATES: N: 35.596 W: -79.010

FACILITY CONTACT NAME AND PHONE NUMBER:

Glenn Amey, PG, Engineering Manager, Direct: 704-731-2202, gamey@charah.com

FACILITY CONTACT ADDRESS:

Green Meadow, LLC
 352 Brickyard Road
 Sanford, NC 27330
 (877) 314-7724

PARTICIPANTS:

Shawn McKee, NCDEQ, Solid Waste Section
 Elizabeth Werner, NCDEQ, Solid Waste Section
 Larry Frost, NCDEQ, Solid Waste Section
 Shannon Aufman, NCDEQ, Solid Waste Section
 Glenn Amey, Charah, Inc.
 Gordon Smith, Charah, Inc.
 Jeff Howell, Charah, Inc.
 Susan Clayton, Duke Energy
 Harley Thomas, Duke Energy
 Mike Plummer, HDR

STATUS OF PERMIT:

Permit to Construct and Operate issued June 5, 2015
 This permit shall expire June 5, 2025

PURPOSE OF SITE VISIT:

Pre-operations meeting for unloading area and partial inspection.

STATUS OF PAST NOTED VIOLATIONS:

None.

OBSERVED VIOLATIONS

None.

FACILITY COMPLIANCE INSPECTION REPORT
Division of Waste Management
Solid Waste Section

Page 2 of 2

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

The facility is a lined coal combustion products structural fill permitted for mine reclamation in conjunction with NCDEQ DEMLR Mine Permit 19-25.

1. The facility permit, site plan, and operations plan were discussed during the inspection. The Permit to Construct and Operate was issued on June 5, 2015 and approves the operation of Cells 1 through Cell 5. The permit is subject to review by June 5, 2020.
2. The facility began placing coal combustion products on October 23, 2015. At the time of the inspection, the facility was receiving approximately 25 truckloads per day of coal combustion products (CCPs); approximately half coming each from the Duke Energy facilities of Sutton and Riverbend. A total of approximately 12,000 tons of CCPs had been placed in Cell 1A. Placement of ash in Cell 1B is anticipated in late February or early March 2016. Coal combustion products utilized on an exterior slope of a structural fill shall not be placed with a slope greater than 3.0 horizontal to 1.0 vertical.



Ash being placed in Cell 1A

3. According to the facility operations plan, operations will occur 24/7, 7 days/week. . Solid Waste Section approval is needed if there is a change in operating hours.
4. A sign providing the facility name, permit number, operating hours, and emergency contact numbers is posted at the site entrance.

FACILITY COMPLIANCE INSPECTION REPORT

Division of Waste Management Solid Waste Section

Page 3 of 3

5. A responsible individual trained in facility operations must be on-site at all times during all operating hours of the facility. Ensure that all training records are maintained onsite and available for review during inspections.
6. Financial assurance must be continuously maintained for the duration of the facility in accordance with §130A-309.221. The owner and operator must annually adjust cost estimates for inflation.
7. On or before August 1 annually, the Permittee must submit an annual facility report to the Section. Reporting shall be for the time period between July 1 and June 30. Records of the amount of coal combustion product received at the structural fill, compiled on a monthly basis must be maintained and reported. Scales must be used routinely to weigh the amount of coal combustion products received. Volume utilized in the structural fill must be recorded during the second quarter and reported.
8. An independent background sample from each of the compliance groundwater monitoring wells and surface water sampling locations has been obtained and analyzed for constituents listed in Appendix III and IV in accordance with 40 CFR 257.94(b). Results will be submitted to the Solid Waste Section. In addition, during the first year of operation eight (8) independent samples from each of the compliance groundwater monitoring wells and surface water sampling locations shall be sampled and analyzed for the Appendix III and IV constituents.
9. Compliance groundwater monitoring wells, surface water locations and leachate monitoring ports shall be sampled semi-annually and analyzed for constituents listed in the approved Water Quality Monitoring Plan. A readily accessible unobstructed path shall be cleared and maintained so that four-wheel vehicles may access monitoring locations, at all times. Groundwater monitoring wells are well marked and protected from vehicular traffic by yellow bollards and flags. All groundwater monitoring wells are secured with locks.
10. The structural fill project shall be operated with sufficient dust control measures to minimize airborne emissions and to prevent dust from creating a nuisance or safety hazard and shall not violate applicable air quality regulations. The facility shall operate in accordance with the approved dust control plan. No windblown dust from operations or roadways was noted during the inspection.
11. Coal combustion products must not be placed in standing water. Surface water must be diverted away from the operational area and must not be impounded over or in coal combustion products. Water that comes into contact with coal combustion products shall be handled as leachate. Two 500,000 gallon tanks have been installed onsite to hold leachate prior to offsite treatment.
12. Roadways are of all-weather construction. Where practicable, roadways are one-way to reduce vehicular conflicts. A wheel washing station has been installed to reduce migration of coal combustion products from truck traffic.
13. A rail-spur is being constructed to bring coal combustion products to the facility by rail in the future. Construction was nearly complete at the time of the inspection. Each train will have up to 85 cars; each train will have the capacity to carry 8,500 tons of CCPs.

FACILITY COMPLIANCE INSPECTION REPORT
Division of Waste Management
Solid Waste Section

Page 4 of 4



Rail unloading area under construction

14. Storm water from the rail unloading yard is sloped to drain into an approximately 400,000 gallon underground storage tank. The tank has the capacity to hold the run-off from a 25 year/24 hour storm event. This water will be used for dust control on the lined area of the structural fill.

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: January 20, 2016		Email: X	Hand delivery	US Mail	Certified No. <input type="checkbox"/>
-------------------------------------	--	-------------	---------------	---------	--

- 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