

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		
CDFL		Tire T&P / Collection		Tire Monofill		Industrial Landfill		DEMO		SDTF		

Date of Site Inspection: October 27, 2015 **Date of Last Inspection:** Initial

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
 Glenn Amey, Charah, Inc.
 Jacob Buda, Charah, Inc.

STATUS OF PERMIT:

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

PURPOSE OF SITE VISIT:

Operations meeting and partial 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.

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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 5. The permit is subject to review by June 5, 2020.
2. The facility began utilizing coal combustion products on October 23, 2015. Three truck loads were received on October 23, 2015 from the Duke Energy Riverbend Steam Station and an additional three truck loads were received on October 26, 2015.
3. According to the facility operations plan, operations will occur between the hours of 7:00 am to 7:00 pm, Monday through Saturday. **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 number should be posted at the site entrance.**
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 should be secured with a lock. MW-5 did not have a lock at the time of the inspection. Mr. Amey stated during the inspection that new well locks were being ordered.**

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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.



Leachate collection tanks

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. Completion is anticipated in early 2016.
14. 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.
15. Coal combustion products are currently being placed in Cell 1A. Completion of the construction of Cell 1B is anticipated in late December 2015.

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Active area of the structural fill with coal combustion products received as of 10/27/15 under tarp

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: November 6, 2015		Email: X	Hand delivery	US Mail	Certified No. []
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Copies: Ellen Lorscheider, Section Chief, Solid Waste Section
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