



Waste Management
ENVIRONMENTAL QUALITY

FACILITY COMPLIANCE INSPECTION REPORT
Division of Waste Management
Solid Waste Section

UNIT TYPE:											
Lined MSWLF		LCID		YW		Transfer		Compost		SLAS	COUNTY: Alexander PERMIT NO.: 02-01 FILE TYPE: COMPLIANCE
Closed MSWLF		HHW		White goods		Incin		T&P		FIRM	
CDLF	X	Tire T&P / Collection		Tire Monofill		Industrial Landfill		DEMO		SDTF	

Date of Site Inspection: April 26, 2016

Date of Last Inspection: April 29, 2015

FACILITY NAME AND ADDRESS:

Alexander County Construction and Demolition Landfill
2500 Paynes Dairy Road
Taylorsville, North Carolina 28681

GPS COORDINATES: N: 35.9335 W: 81.1534

FACILITY CONTACT NAME AND PHONE NUMBER:

Name: Josh Mitchell, Solid Waste Director
Telephone: (828) 217-0324
Email address: jmitchell@alexandercountync.gov

FACILITY CONTACT ADDRESS:

621 Liledoun Road Box 12
Taylorsville, North Carolina 28681

PARTICIPANTS:

Josh Mitchell, Solid Waste Director
Charles Gerstell, NCDEQ – Solid Waste Section
Kim Sue, NCDEQ – Solid Waste Section

STATUS OF PERMIT:

A Permit to Operate Phase 1, A C&D landfill on top of a closed MSW Landfill and Post Closure Care Requirements for the Closed unlined MSW Unit was issued to Alexander County on November 10, 2010. The Permit to Operate expired on November 10, 2015. A permit renewal application was submitted to the Solid Waste Section and is currently under review.

PURPOSE OF SITE VISIT:

Comprehensive Inspection

STATUS OF PAST NOTED VIOLATIONS:

N/A

OBSERVED VIOLATIONS:

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

1. The facility consists of a Construction and Demolition Landfill located on top of a Closed, unlined MSW Landfill.
2. The facility is permitted to receive solid waste generated within Alexander County.
3. The facility had proper signage.
 - Lettering showing the operating hours of the facility were beginning to peel and are in need of repair. Please ensure that steps are taken to ensure that the operating hours of the facility remain clearly visible.

Records Review:

4. The Permit to Operate and Operations Plan were verified. Both documents were current and available upon request. As noted above, a permit renewal application has been received by the Solid Waste Section and is currently under review.
5. Waste tonnage reports were verified for July 2014 through March 2016. The facility accepted 4560.62 tons of waste during this time period.
6. Water Quality Monitoring Reports were observed. First semi-annual monitoring results for 2015 (performed June 16-18, 2015) and first semi-annual monitoring results for 2016 (performed January 5-7, 2016) were verified.
 - Semiannual monitoring was conducted. However, the second monitoring event was delayed until the first week of January 2016.
7. Methane monitoring was being performed quarterly as required. Monitoring reports for events performed on 3/16/15, 6/18/15, 9/26/15, and 12/16/15 were verified. No exceedances above applicable standards were observed at the property boundaries.
8. Waste screening reports from May 17, 2015 through April 21, 2016 were verified. Reports were performed with good frequency and appeared to represent 1% of the waste stream.
9. Soil cover records were observed. It appeared that cover was being applied weekly. It was discussed with Mr. Mitchell that during cover activities, all waste within the landfill must be covered with six inches of earthen material.
10. Certified Landfill Operations Specialists:
 - Freddy Mitchell (expires 3/27/19)
 - Phillip Monty Payne (expires 9/5/17)
 - Cleveland Shinn (expires 9/5/17)
 - R.D. Story (expires 2/13/18)

Operations Inspection of the C&DLF Unit:

11. The working face was less than one-half acre in size at the time of inspection.
12. Waste was being placed on the north side of the landfill.
13. No unacceptable waste streams were observed.
14. A small amount of windblown waste was observed on the east and south sides of the landfill during the inspection. However, the windblown waste was deposited near the working face and had not traveled beyond the footprint of the landfill. Please ensure that all windblown is picked up and returned to the working face by the end of each working day.
 - Facility staff had installed a new wind fence along the eastern perimeter of the landfill since the last inspection to aid in control of windblown litter.
15. Inactive portions of the landfill were found to have good, operational cover.
16. Mr. Mitchell explained that the portion of the north slope adjacent to the working face to the east had recently been seeded.
17. Efforts need to continue to stabilize inactive slopes located on the west and south sides of the landfill. Mr. Mitchell explained that slopes had been reseeded since the last inspection, but many areas of thin to bare vegetation were observed.
18. All access roads were of all-weather construction and well maintained.

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- 19.** A landfill collection control system consisting of three landfill gas extraction wells (MEW-1, MEW-2, and MEW-3) and a blower system is located along the north side of the closed MSWLF and has been in operation since November 2012. However, this system does not appear to be consistent with the active methane gas system originally approved as part of the Corrective Action Plan (CAP) and subsequent addendums which included the installation of 10 landfill gas extraction wells and a flare. **Please contact Jackie Drummond, Compliance Hydrogeologist at (828) 296-4706 or jaclynne.drummond@ncdenr.gov to provide an update of any changes in the CAP implementation.**

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

Phone: (704) 235-2144

Charles T. Gerstell
Environmental Senior Specialist
Regional Representative

Sent on: <u>5/6/16</u>	<input checked="" type="checkbox"/>	Email	<input type="checkbox"/>	Hand delivery	<input type="checkbox"/>	US Mail	<input type="checkbox"/>	Certified No. <u> </u>
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Copies: Deb Aja, Western District Supervisor - Solid Waste Section
Jessica Montie, Compliance Officer – Solid Waste Section
Jackie Drummond, Compliance Hydrogeologist