



FACILITY COMPLIANCE INSPECTION REPORT
Division of Waste Management
Solid Waste Section

UNIT TYPE:											
Lined MSWLF	<input checked="" type="checkbox"/>	LCID	<input checked="" type="checkbox"/>	YW	<input type="checkbox"/>	Transfer	<input type="checkbox"/>	Compost	<input type="checkbox"/>	SLAS	COUNTY: Cherokee PERMIT NO.: 20-02 FILE TYPE: COMPLIANCE
Closed MSWLF	<input type="checkbox"/>	HHW	<input type="checkbox"/>	White goods	<input checked="" type="checkbox"/>	Incin	<input type="checkbox"/>	T&P	<input checked="" type="checkbox"/>	FIRM	
CDLF	<input type="checkbox"/>	Tire T&P / Collection	<input checked="" type="checkbox"/>	Tire Monofill	<input type="checkbox"/>	Industrial Landfill	<input type="checkbox"/>	DEMO	<input type="checkbox"/>	SDTF	

Date of Site Inspection: April 8, 2013 Date of Last Inspection: April 3, 2012

FACILITY NAME AND ADDRESS:

Cherokee County MSW Landfill
 10160 US 19/74/129
 Marble, NC 28905

GPS COORDINATES: N: 35.18103 E: -83.90807

FACILITY CONTACT NAME AND PHONE NUMBER:

Name: Jeff Clark, Cherokee County Solid Waste Director
 Telephone: (828) 837-2621
 Email address: jeff.clark@cherokeecounty.nc.gov
 Fax: (828) 837-4669

FACILITY CONTACT ADDRESS:

Cherokee County Solid Waste Department
 c/o Cherokee County Courthouse
 75 Peachtree Street, Murphy, NC 28906

PARTICIPANTS:

Troy Harrison, Environmental Senior Specialist
 Jeff Clark, Cherokee County Solid Waste Director
 Wanda Payne, Cherokee County Solid Waste

STATUS OF PERMIT:

Original Permit to Construct issued July 15, 1997
 Original Permit to Operate issued January 9, 1998
 Permit to Construct (Phase 2) issued February 19, 2004
 Permit Amendment: April 1, 2005
 Current Active-Permit to Operate issued December 7, 2010
Date to submit request for renewal: July 7, 2015
Permit Expiration Date: December 7, 2015

PURPOSE OF SITE VISIT:

Comprehensive Audit of MSW Landfill

STATUS OF PAST NOTED VIOLATIONS:

Previous Observed Violations have been corrected

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OBSERVED VIOLATIONS

15A NCAC 13B .1626(2)(a) states:

Except as provided in Sub-Item (b) of this Item, the owners or operators of all MSWLF units must cover disposed solid waste with six inches of earthen material at the end of each operating day, or at more frequent intervals if necessary, to control disease vectors, fires, odors, blowing litter, and scavenging.

Cherokee County MSW Landfill (Cherokee County) was in violation of 15A NCAC 13B .0626(2)(a) in that on April 8, 2013, solid waste was observed improperly covered in the daily cover areas of the landfill.

15A NCAC 13B .1626(8)(b) states:

Surface water shall not be impounded over or in waste.

Cherokee County MSW Landfill (Cherokee County) was in violation of 15A NCAC 13B .0626(8)(b) in that on April 8, 2013, surface water was impounded over waste in areas with daily cover. The water was in contact with waste and was considered leachate.

ADDITIONAL COMMENTS

1. All photos were taken by Troy Harrison on April 8, 2013.
2. The facility consisted of an MSW landfill, tire collection site, white goods collection and processing facility, metals, glass, yard waste, paper, plastic, cardboard, paper and electronic waste collection areas and an LCID treatment and processing facility.
3. The service area for this facility is Cherokee, Clay, Graham and Swain Counties. At the time of the audit, the facility was only receiving waste from Cherokee County.
4. A copy of the current permit (20-02) and the operations plan (revised 7/27/10) was available at the Cherokee County Solid Waste Department Office located at 10160 US Highway 19, Marble, NC, adjacent to the landfill. Operational records for the facility are also maintained at the Cherokee County Solid Waste Office.
5. A Review of training records include, but not limited to the following SWANA certifications for all facility areas of operation:

Name	Certification	Expiration Date
Jeff Clark	MOLO	2/13/16
Wanda Payne	MOLO	5/25/13
Dick Godfrey	MOLO	5/7/16
James Phillips	Landfill Operations Specialist	4/2/13 (expired)
Jason Roland	Landfill Operations Specialist	3/12/16
Doug Hughes	Landfill Operations Specialist	10/19/15

6. Groundwater and surface water monitoring forms were reviewed. Sampling is done on a semi-annual basis. The last sampling events were in August 2012 and February 2013. The results were sent to a Solis Waste Section Hydrogeologist for final review.
7. Methane detection forms were reviewed. Methane is sampled on a quarterly basis at wells and buildings as required and done at the same time as groundwater monitoring by a contractor. The results were submitted to the Solid Waste Section Hydrogeologist for final review.
8. Tire collection forms were reviewed and were filled out correctly.

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9. Fire extinguishers were located in several areas on the property.
10. The waste screening forms were reviewed. All screening was being done at the working face.
11. All public roads were well maintained. A sign was placed at the entrance to the facility which stated the hours/days of operation, “No liquid or hazardous waste” and the Solid Waste Permit Number.



Entrance Sign

12. No open burning was observed.
13. The county operates a convenience center on the property for the use of private individuals with smaller amounts of MSW to dispose. This activity is in the most current facility operations plan. The area appeared maintained.
14. The facility received 823.7 and 993.98 tons of MSW during the Months of February and March 2013 respectively.

MSW Landfill Unit.

15. **The facility is required to submit a quarterly fill plan. The latest plan was received on January 11, 2012. The quarterly plan was required based on the settlement agreement of a compliance order dated August 8, 2008. Failure to adhere to the settlement agreement could result in further compliance action. On April 23, 2013 a letter from Mr. Randy Wiggins, Cherokee County Manager was received by the Section requesting that this requirement be rescinded.**



Looking South at Cherokee Co. MSW Landfill

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16. The working face was observed. A tarp was being used as an alternate daily cover as approved by the permit. The working face was being kept small. A fence was erected around the working face to catch windblown waste. No banned items were observed with the exception of tires that must be removed and incidental items. **Tires were being removed as needed by the compactor operator; however, they were being left on the landfill for an indeterminate period of time before removal. This was evidenced by observance of bird droppings on the tires. As a reminder, all materials removed from the working face for recycling or any reason must be removed from the landfill before the end of the day.**
17. **The area covered with daily cover had several areas with exposed solid waste. There were a few areas with a small amount of ponding water on the top of the landfill. It had been several days since the last rain storm. As a reminder, surface water shall not be impounded over water.**



Areas with ponded water and improperly covered waste in the daily cover area.

18. No leachate breakouts were observed. The facility does not recirculate leachate, according to staff.
19. The intermediate cover was observed with very little erosion. The facility has taken steps to minimize erosion which has been noted in previous inspections. The areas of the landfill with vegetative cover were being well maintained. In other areas, vegetative cover was being established.



Eastern slope of landfill



Southern Slope of Landfill

20. Edge of waste markers were in place all around the landfill.
21. Areas of the landfill with vegetative cover were being well maintained.
22. All of the methane and groundwater wells were observed in good condition. Access to the wells was well maintained.

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23. Leachate is pumped to a collection pond before being automatically pumped to the Town of Andrews Wastewater Treatment Plant. The pond appeared to be in good condition.

Treatment & Processing (T&P) Area

24. The facility has a wood grinding T&P area. No banned items were observed. The area consisted only of un-ground material.

Recycling

- 25. There was one tire trailer on site. The tires were placed inside the trailer with the exception of a few with rims that are to be placed last.
- 26. The glass collection area was observed. Glass is separated into clear, brown and green and surrounded by concrete bunkers. The area was on a concrete pad and appeared well maintained.
- 27. There is a small metal recycling area that appeared well maintained. No gasoline or pressurized tanks were observed in this area.
- 28. Used pallets are collected and some are used for transportation of collected electronic waste.
- 29. The used oil collection area is located in a building with a concrete floor. The area was well maintained. An outside contractor picks up the used oil for recycling.
- 30. The white goods area was observed. All items were stored in an upright position. Freon is removed by an outside contractor, marked and then moved to the metal pile.
- 31. No batteries were onsite during the audit.
- 32. The county recycles cardboard, newspaper, aluminum, and plastic. These are bailed and sold. **The area behind the plastic collection area had some plastic that appeared to have spilled over. This needs to be maintained in a clean sanitary manner with the collected plastic in appropriate receptacles.**

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



 Troy Harrison
 Environmental Senior Specialist
Regional Representative

Phone: (828) 296-4701

Sent on: April 23, 2013		Email		Hand delivery		US Mail	X	Certified No. 7010 1870 0003 0875 0915
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Copies: Jason Watkins, Western District Supervisor
 Jessica Montie, Compliance Officer