



**FACILITY COMPLIANCE INSPECTION REPORT**  
**Division of Waste Management**  
**Solid Waste Section**

| UNIT TYPE:   |                                     |                      |                                     |               |                                     |                     |                                     |         |                                     |      |  |
|--------------|-------------------------------------|----------------------|-------------------------------------|---------------|-------------------------------------|---------------------|-------------------------------------|---------|-------------------------------------|------|--|
| Closed CDLF  | <input checked="" type="checkbox"/> | LCID                 |                                     | YW            |                                     | Transfer            | <input checked="" type="checkbox"/> | Compost |                                     | SLAS | <b>COUNTY: MADISON</b><br><b>PERMIT NO.: 58-03</b><br><b>FILE TYPE: COMPLIANCE</b> |
| Closed MSWLF | <input checked="" type="checkbox"/> | HHW                  | <input checked="" type="checkbox"/> | White goods   | <input checked="" type="checkbox"/> | Incin               |                                     | T&P     | <input checked="" type="checkbox"/> | FIRM |  |
| CDLF         | <input checked="" type="checkbox"/> | Tire T&P/ Collection | <input checked="" type="checkbox"/> | Tire Monofill |                                     | Industrial Landfill |                                     | DEMO    |                                     | SDTF |  |

**Date of Site Inspection:** 12/05/2011, 4/17/12

**Date of Last Inspection:** 05/03/2011

**FACILITY NAME AND ADDRESS:**

MADISON COUNTY SOLID WASTE FACILITY  
 271 Craig Rudisill Road  
 Marshall, NC 28753

**GPS COORDINATES:** N: 35.80890 E: -82.71680

**FACILITY CONTACT INFO:**

Name: Jim Huff, Madison County Solid Waste Director  
 Phone: 828-649-2311  
 Email: [jhuff@madisoncountync.org](mailto:jhuff@madisoncountync.org)

**PARTICIPANTS:**

Andrea Keller – NCDENR Solid Waste Section, Compliance  
 Jim Huff – Madison Co. Solid Waste Director  
 Cheryl Chandler – Madison Co. Solid Waste Department

**STATUS OF PERMIT:**

C&DLF Unit 2 – Active  
 Transfer Facility - Active  
 MSWLF Unit – Closed  
 C&DLF Unit 1 – Closed  
 Permit Renewal: June 17, 2011  
 PTO expires: June 16, 2016

**PURPOSE OF SITE VISIT:** Comprehensive site inspection

**STATUS OF PAST OBSERVED VIOLATIONS:** None

**OBSERVED VIOLATIONS:**

15A NCAC 13B .0542 Operation Plan and Requirements for C&DLF Facilities

(f) Cover material requirements.

- (1) Except as provided in Subparagraph (3) of this Paragraph, the owners and operators of all C&DLF units must cover the solid waste with six inches of earthen material when the waste disposal area exceeds one-half acre and at least once weekly. Cover must be placed at more frequent intervals if necessary to control disease vectors, fires, odors, blowing litter, and scavenging. A notation of the date and time of the cover placement must be recorded in the operating record as specified in Paragraph (n) of this Rule.

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- (2) Except as provided in Subparagraph (3) of this Paragraph, areas which will not have additional wastes placed on them for three months or more, but where final termination of disposal operations has not occurred, must be covered and stabilized with vegetative ground cover or other stabilizing material.

During the December 5, 2011 site inspection leachate seeps, erosion rills, and uncovered waste were noted within the active C&DLF Unit 2 at the Madison County facility. The area of the disposal unit (see item #15 below) requires additional cover and maintenance to repair the erosion, cover the waste, and stabilize region.

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 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

#### Records Review:

1. Waste received at the Transfer Station unit is transferred to the Lakeway Recycling and Sanitation Landfill, Lowland, TN [DEC Number SNL32-0280]. Waste tonnage records were reviewed for the 3<sup>rd</sup> and 4<sup>th</sup> quarter of 2011. Average CDLF tonnage received was approximately 177 tons over a 4-month period. Average Transfer Station tonnage over the same 4-month period was approximately 753 tons.
2. Landfill Gas monitoring records were reviewed for 3<sup>rd</sup> and 4<sup>th</sup> quarter sampling events (9/15/11 and 10/26/11), wells LFG-01 through LFG-06, maintenance building, and scale house. No methane was detected at any sample location.
3. Groundwater Monitoring records were reviewed for the Fall 2010 (October 13-14) and Spring 2011 (April 19-21) sampling events. Reports are under review with the Section hydrogeologist (J. Drummond).
4. The current Permit to Operate and updated Operations Plan were available for review.
5. Waste Screening records were reviewed for 6/21/11-11/18/11 for the Transfer Station and 6/21/11 through 11/23/11 for the CDLF. Facility takes photos in conjunction with screening reports.
6. Tire records were reviewed (3/2011 through 11/2011). No issues noted.
7. Training Records:

| Operator        | Training Certification | Expiration Date |
|-----------------|------------------------|-----------------|
| Larry Wright    | Transfer Station       | 8/14/2012       |
| Jerry Rector    | Transfer Station       | 2/27/2012       |
| Richard Roberts | Transfer Station       | 8/21/2013       |
| Norman Roberts  | Transfer Station       | 1/1/2015        |
| James Ensley    | Transfer Station       | 7/22/2014       |
| James Huff      | Transfer Station       | 2/25/2014       |

| Operator        | Training Certification | Expiration Date         |
|-----------------|------------------------|-------------------------|
| Larry Wright    | Landfill Operator      | 4/15/2014               |
| Jerry Rector    | Landfill Operator      | 2/13/2015               |
| Richard Roberts | Landfill Operator      | 4/15/2014               |
| James Ensley    | Landfill Operator      | 8/21/2013               |
| James Huff      | Landfill Operator/MOLO | 2/25/2014 and 5/06/2014 |

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8. Leachate collection and transportation records were reviewed for both the Transfer Station and the below-grade leachate collection system for the CDLF and MSLF units.

**Transfer Station:**

9. The transfer facility floors and drains were maintained at the time of the inspection. The walls of the transfer station had been recently washed. The loading bay appeared to be maintained and no evidence of vectors was noted.
10. Minimal windblown litter was observed. The one area that exhibited some windblown wastes was the slope located on the back side of the transfer station overlooking the active CDLF unit. It was stated (JHuff) that this region is difficult to manage due to the steep incline and brush. The facility may want to look into ways to keep the waste from reaching this sloped region in order to assist in the operator's daily collection of windblown wastes. Windblown wastes must be collected by the end of the day – Permit condition 49(e)(ii).
11. The drain located outside the loading bay appeared to be a storm water drain. As such, the facility must ensure that solid wastes and leachate do not reach this discharge location. Note that some windblown was located in this region at the time of the inspection.



12/5/11

**Active C&DLF (Unit 2):**

12. Minimal windblown noted at the working face during the inspection. The permitted edge-of-waste boundary stakes were maintained and visible. No unacceptable waste streams were noted.
13. The active working face of the C&DLF was kept to a controlled area, and the recently applied cover was adequate.
14. As noted in the previous inspection, the Permit to Operate (PTO) submittal indicated that the fill sequence at the landfill matches the "Year 2 Waste Fill Area" from Sheet FILL-2. Note that this figure and fill sequence is an approved document (*CQA Report and Operations Plan, C&DLF Unit 2, Madison County, NC*, prepared by McGill Associates October 12, 2006) per the approved permit. The required storm water diversion berm was maintained at the time of the inspection.
15. As noted in previous inspections, the temporary sediment basin discharges outside the permitted waste fill area of Unit 2. Thus, the **facility must ensure stormwater contacting C&D waste (leachate) and leachate seeps from the active fill area do not reach the sediment basin.** (Discussed on site: A. Keller, J. Huff). Note that during the site inspections seeps were visible within Unit 2. Additionally, significant erosion of the cover had occurred since the previous inspection and waste was visible.

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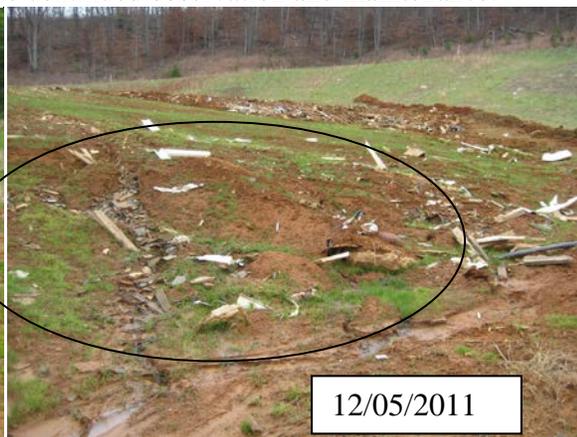
12/05/2011



It appears as though the region of the seep and the uncovered waste has been inactive since prior to the May 3, 2011 site inspection. As such, the area must be covered and stabilized with vegetative ground cover or other stabilizing material [15A NCAC 13B .0542 (f)(2)]. While it appears that the facility has attempted to establish vegetation, erosion, rills, and exposed waste require continued observation and maintenance.



05/03/2011



12/05/2011



4/17/2012

Additional containment basin to collect leachate from toe of working face.

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**Inactive C&DLF (Unit 1) and Inactive MSWLF:**

- 16. Edge of Waste (EOW) markers were in place. Access roads were well-maintained. No issues noted with vents or environmental monitoring wellheads.
- 17. Adequate ground cover and vegetation was observed on the closed MSWLF cell and the closed CDLF Unit 1 cells. No issues noted.
- 18. The leachate collection system had recently been modified from an above-ground leachate lagoon to a below-ground storage tank (4000 gallon capacity). The system is equipped with a high-level alarm (light and horn) which is currently being upgraded.



12/5/11

**General Comments:**

- 19. Household Hazardous Waste (HHW) storage areas locked and secure. Facility runs HHW collection monthly between April and September.
- 20. Fire extinguishers were available at all site structures.
- 21. Tire collection/storage area appeared managed, all tires stored under cover.
- 22. The electronics storage area was located behind the maintenance building. The facility is working on obtaining a grant for electronics containers at collection centers.
- 23. The used oil and oil filter station was managed and all containers were undercover.

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

Phone: 828-296-4700

Andrea Keller  
 Environmental Senior Specialist  
*Regional Representative*

|                       |  |  |  |  |            |                   |
|-----------------------|--|--|--|--|------------|-------------------|
| Sent on: June 6, 2012 |  | Email:<br><a href="mailto:jhuff@madisoncountync.org">jhuff@madisoncountync.org</a> |  |  | US<br>Mail | Certified No. [ ] |
|-----------------------|--|--|--|--|------------|-------------------|

ec: Jason Watkins, Western District Supervisor – Solid Waste Section  
 Jessica Montie, Compliance Office – Solid Waste Section