



FACILITY COMPLIANCE INSPECTION REPORT
Division of Waste Management
Solid Waste Section

UNIT TYPE:											
Lined MSWLF	X	LCID		YW	X	Transfer		Compost	X	SLAS	COUNTY: Macon PERMIT NO.: 88-03 FILE TYPE: COMPLIANCE
Closed MSWLF		HHW		White goods	X	Incineration		T&P	X	FIRM	
CDLF		Tire T&P / Collection	X	Tire Monofill		Industrial Landfill		DEMO		SDTF	

Date of Site Inspection: April 24, 2012 Date of Last Inspection: February 15, 2011

FACILITY NAME AND ADDRESS:

Macon County Municipal Solid Waste Facility
 1448 Lakeside Drive
 Franklin, NC 28724

GPS COORDINATES: N: 35.2009 E: -83.37684

FACILITY CONTACT NAME AND PHONE NUMBER:

Name: Chris Stahl, Macon County Solid Waste Director
 Telephone: (828) 349-2100
 Email address: cstahl@mail.maconnc.org
 Fax: (828) 349-2185

FACILITY CONTACT ADDRESS:

109 Sierra Drive
 Franklin, NC 28734

PARTICIPANTS:

Chris Stahl, Macon County Solid Waste Dept.
 Troy Harrison, NC DENR/DWM/Solid Waste Section

STATUS OF PERMIT:

Original Permit to Operate:	January 31, 1991
Permit Renewal:	February 8, 1999
Permit Amendment	March 7, 2000
Permit Amendment	July 20, 2005
Permit Modification	October 26, 2006
Permit Modification	July 12, 2007
Permit Modification	October 12, 2009
Permit Amendment	July 27, 2010
Date to request renewal	January 27, 2015
Expiration Date	July 27, 2015

PURPOSE OF SITE VISIT:

Comprehensive Audit of MSW Landfill

STATUS OF PAST NOTED VIOLATIONS:

N/A

OBSERVED VIOLATIONS

N/A

FACILITY COMPLIANCE INSPECTION REPORT
Division of Waste Management
Solid Waste Section

Page 2 of 2

ADDITIONAL COMMENTS

General

1. All photos were taken by Troy Harrison on April 24, 2012.
2. The facility consisted of an MSW landfill, tire collection site, white goods collection and processing facility, a metals collection site, a treatment and processing facility, a drop-off convenience area for selected recyclables, and a non-active composting facility.
3. The service area for the facility was Macon County.
4. A copy of the current permit (57-03) and the operations plan (revised 1/10) was available at the Macon County Solid Waste Department Office located at 109 Sierra Drive adjacent to the landfill. Operational records for the facility are maintained at the Macon 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
Michael (Chris) Stahl	MOLO	5/25/13
Tommy Keener	MOLO	4/5/13
	LOS	12/13/15
	TSO	3/12/13
Nick Fowler	LOS	6/3/14
Wesley Peek	LOS	3/27/13
Sammy Hedden	LOS	10/8/14
	TSO	9/9/14
Jeff McCord	LOS	10/28/14
	TSO	9/9/14
Brian Tallent	TSO	3/29/15
Tracy Sellino	TSO	8/14/15
Samuel Ramsey	TSO	4/27/13
David Ledbetter	TSO	4/27/13

MOLO – Manager of Landfill Operations
LOS – Landfill Operations Specialist
TSO – Transfer Station Operator

6. Methane detection forms were correctly filled out as a percentage of the LEL. The most recent Monitoring was done on 6/30/09. Readings of methane probes at the property boundary were 0%. There were some readings above the LEL on non-boundary wells. Monitoring is done on a quarterly basis. Monitoring for methane is also done in facility structures.
7. Waste screening forms were reviewed and appeared to be filled out correctly. Items found were fluorescent bulbs, brush, metal, tires. The forms also report how the items were disposed or recycled.
8. The facility samples groundwater on a semi-annual basis. The most current reports available were of the sampling done on October 12, 2011. Sampling was also done on April 19, 2012 however the reports have not been reviewed yet. Each groundwater monitoring well was observed in good condition.

FACILITY COMPLIANCE INSPECTION REPORT
Division of Waste Management
Solid Waste Section

Page 3 of 3

9. Leachate is pumped to a collection pond for pretreatment before being sent to the Town of Franklin Wastewater Treatment Plant located next to the facility. The pond appeared to be in good condition. The leachate collection pipes were scheduled to be inspected and cleaned soon.
10. No open burning was observed at the facility.
11. The facility had a written contingency plan for handling hazardous waste, meth lab waste or a fire event should they occur.
12. All public roads were well maintained. Traffic signs were in place to direct the public to appropriate areas of the facility. 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.

MSW Landfill Unit

Phase 1

13. Phase 1 has 2 of final cover which had been seeded, but not the final cap. No significant erosion was observed. A “corrective action plan (CAP)” was implemented in 2011 to address groundwater issues.

Phase 2

14. The MSW landfill was operating in Phase 2 (active since 1998).
15. The facility is permitted to use a mixture of 50% soil and 50% mulch as an alternate daily cover (ADC). This activity is noted in the operations plan (Section 4.2). Mulch and soil is mixed before application. The facility also uses a fabric tarp as an alternate daily cover as approved in the permit.
16. The working face area was observed being confined to a small area. There was no banned material observed with the exception of incidental amounts. **A small amount of waste was observed in the daily cover. As a reminder, all waste must be covered with at least 6 inches of earthen material or and approved alternate daily cover (ADC).**



Working Face



Daily Cover

17. Fencing was in place to catch windblown litter, however, some windblown debris was observed off of the landfill. Landfill staff was observed picking up the litter.

FACILITY COMPLIANCE INSPECTION REPORT
Division of Waste Management
Solid Waste Section

Page 4 of 4

18. The intermediate cover was in excellent condition and seeded with little to no erosion.



Looking South at Phase 2 Intermediate Cover

MSW Treatment and Processing Facility

19. The MSW Treatment and Processing (T & P) Facility is located in a covered building and was observed in operation. This facility is permitted to receive all waste allowed for disposal in the MSW Landfill and is used by the general public. Waste is placed on the floor and recyclables are removed by Staff. Material that cannot be recycled is loaded into a semi-trailer and transported to the MSW Landfill. The area was very clean and well staffed. There are drains in the floor to catch any incidental liquids (leachate) and connects to the Franklin wastewater treatment plant.
20. Separate areas are designated for clean wood, TVs, computers, , aluminum, glass, plastics, cardboard and scrap metal inside the building.
21. Used propane tanks and other gas tanks (not gasoline) are stored outside the T & P building.

Scrap Tire Collection Area

22. There were 2 trailers on site. Two trailers were empty and the third one was about approximately 1/10 full. Tires were being loaded into a trailer at the time of the audit. All tires not intended for use by the facility were in the trailers.

Wood Grinding Treatment and Processing Facility

23. This area is used to generate mulch for the alternate daily cover. Material was in a pile waiting for grinding consisted primarily of land clearing debris, yard trash and pallets. This material is not available to the public.



LCID & Pallets awaiting Grinding

Recycling Operation

24. A recycling operation is part of the approved operations plan.
25. Macon County accepts materials to recycle that are dropped off at the facility and from collections sites

FACILITY COMPLIANCE INSPECTION REPORT
Division of Waste Management
Solid Waste Section

Page 5 of 5

located throughout the county. Recycled materials are baled and sent to appropriate recycling companies. The area was well maintained.

- 26. There were separate areas for metals, aluminum, steel cans, clothes, cardboard, paper and plastics. Glass was being separated into brown, clear and green.
- 27. The White Goods Area is located in the recycling area. Freon is removed by the facility.

Type 3 Composting Facility

- 28. This area is currently not in use with no plans to operate at this time. A Notification to the Solid Waste Section is required before reactivation.

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



Phone: (828) 296-4701

Environmental Senior Specialist
Regional Representative

Sent on: May 11, 2012	<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: Jason Watkins, Western District Supervisor
 Jessica Montie, Compliance Officer