



FACILITY COMPLIANCE INSPECTION REPORT
Division of Waste Management
Solid Waste Section

Table with columns for Unit Type (Lined MSWLF, Closed MSWLF, CDLF, LCID, HHW, Tire T&P/Collection, YW, White goods, Tire Monofill, Transfer, Incin, Industrial Landfill, Compost, T&P, DEMO, SLAS, FIRM, SDTF) and a summary box for County (Macon), Permit No. (5703), and File Type (Compliance).

Date of Site Inspection: 07/13/2016

Date of Last Inspection: 08/13/2014

FACILITY NAME AND ADDRESS:

Macon County Landfill
1448 Lakeside Dr.
Franklin, NC 28724

GPS COORDINATES: N: 35.2009 ° W: 83.37684°

FACILITY CONTACT NAME AND PHONE NUMBER:

Name: Chris Stahl, Solid Waste Director
Telephone: 828-349-2100
Email address: cstahl@mail.maconnc.org

FACILITY CONTACT ADDRESS:

109 Sierra Dr.
Franklin, NC 28724

PARTICIPANTS:

Chris Stahl, Macon County
Joel Ostroff, Macon County
June Cassada, Macon County

STATUS OF PERMIT:

Original Permit to Construct Cell 1 issued: January 31, 1991
Original Permit to Operate Cell 1 issued: March 25, 1992
Permit to Construct Phase 2 issued: November 3, 1997
Permit to Operate Phase 2, Cell 1, Subcell 1 issued: February 8, 1999
Permit to Operate Phase 2, Cell 1, Subcells 2, 3, 4 issued: March 7, 2000
Permit to Operate Phase 2, Permit Renewal issued: November 9, 2015
Permit to Construct Phase 3 Cell 1 issued: November 9, 2015

PURPOSE OF SITE VISIT:

Comprehensive Inspection

STATUS OF PAST NOTED VIOLATIONS:

N/A

OBSERVED VIOLATIONS:

NONE

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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.

**ADDITIONAL COMMENTS:**

1. All photos were taken by Lee Hill on July 13, 2016
2. The facility is owned and operated by Macon County.
3. The service area of the facility is Macon County.
4. The facility is open to the public Monday through Friday, 7:30 am to 4:30 pm and Saturday, 8:00 am to 2:00 pm.
5. Facility signage was observed at the entrance of the facility. It appeared that emergency contact information was omitted from the sign. **Please add the emergency contact information to the facility signage.**

**RECORDS REVIEW**

6. The current operations plan and permit were available upon request.
7. Scrap tire forms from 3/1/2016 to 6/30/2016 were reviewed and the forms appeared to be filled out correctly. **Please note that all scrap tire forms must have original signature. Photocopied signatures are not allowed.**
8. Waste screening, special waste handling procedures, infection control policy and fire occurrence policy training is held on a yearly basis and the records were available for review.
9. Waste screening forms from 1/4/2016 to 7/5/2016 were reviewed. The facility performs approximately two waste screenings per day and the forms showed final disposition of unapproved materials.
10. Semi-annual groundwater monitoring was conducted in October 2015 and April 2016. The October 2015 report was available for review and had exceedances above the 2L standards.
11. Leachate analysis was conducted concurrent with semi-annual groundwater monitoring.
12. Methane monitoring is being conducted on a quarterly basis and records were available for review. Facility staff conducts the testing. No exceedances were noted at the facility boundary.
13. Methane monitoring was conducted on the following dates: 12/16/2015, 3/30/2016 and 6/30/16. The last factory calibration of equipment occurred in March 2016.
14. The leachate pond is connected directly to the Town of Franklin Waste Water Treatment Plant. Leachate records were available for review upon request.
15. Tonnage records were reviewed. The facility accepts between 100-120 tons per day.
16. Manager of Landfill Operations and Certified Landfill Operation Specialists certifications were reviewed.
  - Michael C. Stahl – Manager of Landfill Operations (expires 5/23/2019)
  - Tommy Keener – Manager of Landfill Operations (expires 4/5/2019), Certified Landfill Operations Specialist (expires 12/13/2018)
  - Wesley Peek – Certified Landfill Operations Specialist (expires 3/27/2019)
  - Sammy Hedden – Certified Landfill Operations Specialist (expires 10/18/2017)
  - Nick Fowler – Certified Landfill Operations Specialist (expires 3/6/2017)
  - Donnie Holden – Certified Landfill Operations Specialist (6/21/2019)

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**OPERATIONS INSPECTION MSWLF UNIT (5703)**

17. Concrete Edge of Waste (EOW) markers are installed around the footprint of the landfill. The vegetation around the EOW markers is beginning to obscure their view. Please maintain the vegetation around the markers to ensure that they can be seen. Mr. Stahl stated that waste is placed approximately 14 feet inside the EOW markers.
18. The working face was small, compact and no unacceptable waste was observed at the time of inspection.
19. Minimal windblown litter was observed around the facility and it appears to be well managed.
20. Facility staff repaired two leachate seeps on the north side of the landfill in May. A small amount of erosion had occurred on these areas. **Please continue to monitor these areas, repair any erosion that occurs, and establish a groundcover when conditions become favorable.**
21. A small amount of erosion was observed outside of the anchor trench leaving a small portion of the liner exposed. **Please cover the exposed anchor trench and establish a vegetative cover.**
22. The roads throughout the facility are constructed of gravel and were in good condition at the time of inspection.
23. The facility is approved to use a 50/50 mulch and soil mixture for alternative daily cover.
24. The leachate lagoon is located to the southwest of the landfill on the Town of Franklin Wastewater Treatment Plant property. No visual deficiencies in the concrete liner were observed at the time of inspection.

**OPERATIONS INSPECTION OF RECOVERY CENTER**

25. The Recovery Center is located to the east of the landfill.
26. All non-commercial loads of waste are directed to the Recovery Center. The facility loads MSW waste into a trailer and transports the material to the working face.
27. No unacceptable waste was observed on the tipping floor at the time of inspection.
28. The tipping floor was clean and the floor drains were free of debris and appeared to be working properly. The floor drains in the Recovery Center are connected directly to the Town of Franklin sanitary sewer.
29. The Recovery Center also accepts scrap metal, cardboard, electronics, fluorescent tubes, thermostats, carpet padding and shingles for recycling. **Please update the Operations Plan to include shingle recycling.**
30. Scrap tires are collected in van trailers outside of the Recovery Center.

**OPERATIONS INSPECTION OF WHITE GOODS AREA**

31. The white goods area is located to the northeast of the scale house.
32. Facility staff conducts the refrigerant recovery, marks an X on empty units and then places them into the scrap metal pile.
33. All scrap metal and white goods are sent to Desoto Trail in Franklin for recycling.

**OPERATIONS INSPECTION OF YARD WASTE TREATMENT AND PROCESSING AREA**

34. The yard waste area is located to the north of the scale house.
35. The facility accepts untreated, unpainted pallets and wood, leaves and land clearing debris.
36. The material is ground two to four times per year by Desoto Trail and is mixed with soil for an approved alternative daily cover for the landfill. No material is distributed to the public.
37. The facility has a dumpster located at the yard waste area for disposal of unacceptable material.
38. Painted wood was observed in a recently dumped load of material. **All unacceptable material must be removed at the end of each working day.**

**OTHER COMMENTS**

39. The facility operates a recycling processing center where cardboard, mixed paper and plastics are baled.
40. Plastics are sent to American Recycling and Pratt Industries for recycling.

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- 41. The facility collects used oil, oil filters, antifreeze and lead acid batteries. Used oil, filters, and antifreeze are collected by Enterprise Oil in Knoxville, TN for recycling.
- 42. The facility is currently constructing Phase 3 of the landfill. Facility staff stated that they would like to stockpile soil with potential agronomic value from the construction onto Phase 1 (which currently has intermediate cover) of the current area of the landfill. The facility would like to incorporate this material into the final cover of Phase 1 and 2 of the landfill. **Please Contact Allen Gaither, Environmental Engineer for approval of this activity.**
- 43. The monitoring well network will be inspected on a subsequent site visit.

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

Phone: 828-296-4700

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 Lee Hill  
 Environmental Senior Specialist  
*Regional Representative*

Sent on: July 19, 2016 to Chris Stahl by:	X	Email		Hand delivery		US Mail	Certified No. [ ]
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Copies: Deb Aja, Western District Supervisor - Solid Waste Section  
 Jessica Montie, Compliance Officer – Solid Waste Section  
 Allen Gaither, Environmental Engineer – Solid Waste Section  
 Ervin Lane, Compliance Hydrogeologist – Solid Waste Section

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Tipping Floor of Recovery Center.



Repaired Seep Area

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Exposed Liner outside of Anchor Trench



Working Face