



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

<b>UNIT TYPE:</b>											
Lined MSWLF	<input checked="" type="checkbox"/>	LCID		YW		Transfer		Compost		SLAS	<b>COUNTY: Surry</b> <b>PERMIT NO.: 86-06</b> <b>FILE TYPE: COMPLIANCE</b>
Closed MSWLF		HHW		White goods	<input checked="" type="checkbox"/>	Incineration		T&P		FIRM	
CDLF		Tire T&P/Collection	<input checked="" type="checkbox"/>	Tire Monofill		Industrial Landfill		DEMO		SDTF	

**Date of Site Inspection:** January 16, 2014

**Date of Last Inspection:** August 22, 2012

**FACILITY NAME AND ADDRESS:**

Surry County Municipal Solid Waste Landfill  
 237 Landfill Road  
 Mount Airy, North Carolina 27030

**GPS COORDINATES:** N: 36.43185    W: 80.57530

**FACILITY CONTACT NAME AND PHONE NUMBER:**

Name: Dennis Bledsoe, Public Works Director  
 Telephone: (336) 401-8375  
 Email address: bledsoed@co.surry.nc.us

**FACILITY CONTACT ADDRESS:**

Post Office Box 342  
 Dobson, North Carolina 27017

**PARTICIPANTS:**

Dennis Bledsoe, Public Works Director  
 Ricky Hawks, Landfill Administrative Assistant  
 Charles Gerstell, NCDENR-Solid Waste Section

**STATUS OF PERMIT:**

A Permit to Operate the Surry County MSW Landfill Phase 2 was issued to Surry County on November 20, 2009 and shall expire on November 20, 2014.

**PURPOSE OF SITE VISIT:**

Comprehensive Inspection

**STATUS OF PAST NOTED VIOLATIONS:**

N/A

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**OBSERVED VIOLATIONS**

**15A North Carolina Administrative Code 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.”*

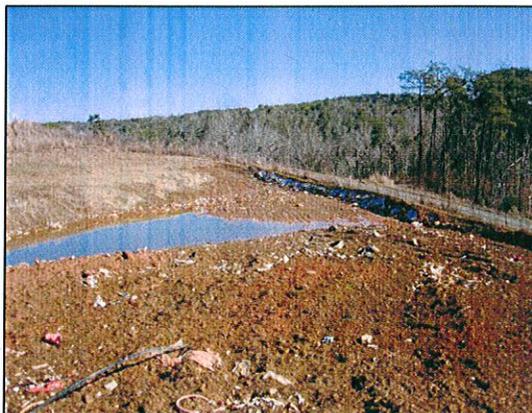
During the inspection, inadequate soil cover was observed on the inactive portions of Phase 2 of the landfill leaving waste exposed. The inactive areas last received waste prior to the previous working day. Therefore, Surry County is in violation of 15A NCAC 13B .1626(2)(a).



View of exposed waste on north side of current waste lift.



View of exposed waste looking north just east of working face.



View of exposed waste at southeast corner.

**To achieve compliance, within 30-days of receipt of the Notice of Deficiency, Surry County must cover all waste within the inactive portions of the landfill with a minimum of 6-inches of earthen material.**

**15A North Carolina Administrative Code 13B .1626(8)(b) states:** *“Surface water shall not be impounded over or in waste.”*

During the inspection severe ponding was observed within a stormwater drainage feature located at the southwest corner of Phase 2. Water collects behind a berm constructed on the west side of the landfill adjacent to the perimeter access road. A perforated pipe with filter gravel is located on the east end of the impoundment feature which directs flow directly into the leachate containment system. Therefore, Surry County is in violation of 15A NCAC 13B .1626(8)(b).

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View of ponded area looking northeast.



Closer view of ponded area looking southeast.

**To achieve compliance, within 30-days of receipt of the Notice of Deficiency, Surry County must prevent future ponding of surface water over or in waste.**

**15A North Carolina Administrative Code 13B .1626 states:** *“The owner or operator of any MSWLF unit must maintain and operate the facility in accordance with the requirements set forth in this Rule and the operation plan as described in Rule .1625 of this Section.*

During the inspection, a stormwater drainage feature was observed at the southwest corner of Phase 2. Water collects behind a berm constructed on the west side of the landfill adjacent to the perimeter access road. A perforated pipe with filter gravel is located on the east end of the impoundment feature which directs flow directly into the leachate containment system. It was explained that the perforated pipe ties into the line leading to the landfill sump.

The stormwater drainage feature and pipe are not included within the approved Operation Plan for the facility. Therefore, Surry County is in violation of 15A NCAC 13B .1626.

**To achieve compliance, within 10-days of receipt of the Notice of Deficiency, Surry County must contact John Murray, Permitting Engineer, at (704) 235-2163 or [john.murray@ncdenr.gov](mailto:john.murray@ncdenr.gov) for permit modification requirements.**

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**

1. The facility is permitted to receive waste generated within a 90-mile radius of Surry County.
2. Facility tonnage reports for July – December 2013 were verified. The facility received 196 tons of waste each operating day during that period.
3. The facility operates a convenience area for the collection of mixed paper, cardboard, glass and plastic containers, aluminum, steel cans, batteries, cooking oil and computer equipment.
4. The facility operates a convenience area for the disposal of bulk item waste just south of the scalehouse.
5. The facility had proper signage at the entrance.
6. A gate was provided at the entrance to the facility to prevent unauthorized access after operating hours.
7. Scrap metal is collected adjacent to the concrete pad designated for the collection of white goods.

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Records Review:

8. The permit and operations plan were verified. Both documents were current and available upon request.
9. Groundwater sampling was being performed semi-annually as required. The report for the 2012 2<sup>nd</sup> semi-annual sampling event and the 2013 1<sup>st</sup> semi-annual sampling event was verified. The report for the 2013 2<sup>nd</sup> semi-annual sampling event had not yet been finalized.
10. Leachate sampling was being performed semi-annually concurrently with groundwater monitoring.
11. Methane monitoring was being performed quarterly as required. Monitoring reports from February 2012, June 2012, August 2012, November 2012, February 2013, May 2013, September 2013, and November 2013 were verified. No exceedences above applicable standards were observed.
12. Waste screening reports were verified. Screenings were performed with good frequency and appeared to represent 1% of the waste stream. Reports also provided good documentation of observed unacceptable waste streams along with final disposition of those wastes.
13. Scrap tire certification forms were verified. Majority of forms reviewed were properly completed. The reports appeared to be properly completed.
14. Certified Landfill Managers:
  - Dennis Bledsoe (expires 4/28/15)
  - Ricky Hawks (expires 6/15/16)
15. Certified Landfill Operations Specialists:
  - Justin T. Collins (expires 11/30/15)
  - Jerry D. Simmons (expires 4/19/14)
  - Billy Southard (expires 6/7/16)
  - Ronnie C. Sprinkle (expires 4/19/14)
  - Donald J. Williams (expires 11/30/15)
16. **Section 5.1 Introduction of the approved Operation Plan for the facility states:** *"The leachate lagoon will be inspected on a monthly basis and a report generated and placed in the landfill records."*
  - During the inspection, no records were provided detailing leachate lagoon inspections as detailed in the approved Operation Plan. **Please ensure that these reports are included within the facility records in the future.**

Operations inspection of the MSWLF Unit:

17. Waste was being placed in Phase 2 at the time of inspection.
18. The working face was small and compact at the time of inspection.
19. No unacceptable waste streams were observed within the working face.
20. Significant windblown waste was observed north of the active working face but within the landfill unit. Be sure all windblown waste is picked up at the end of each operating day and returned to the working face as required by 15A NCAC 13B .1626(11)(c).
21. All access road were of all-weather construction and well maintained.
22. Edge of liner markers were in place at the time of inspection.
23. The facility is permitted to use a tarp system (EPI-Enviro Cover System or its equivalent) as an alternative cover material. No alternative cover materials were being used at the time of inspection.
24. During the inspection, a leachate outbreak/seep was observed on the south side of Phase 2 adjacent to the perimeter access road. Flow from the outbreak was directed southeast along the access road. The leachate appeared to absorb into the soil prior to flowing beyond the edge of waste markers. There was no staining beyond the edge of waste markers at the time of inspection. This area must be investigated and necessary repairs made to prevent leachate from flowing beyond the liner system.

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25. During the inspection, Mr. Bledsoe expressed the facility's desire to possibly use Posi-Shell as an alternative cover material (ACM). Please refer to the guidance document entitled "APPROVED ALTERNATIVE DAILY COVER MATERIALS FOR USE AT SANITARY LANDFILLS" found at the following website: [http://portal.ncdenr.org/c/document\\_library/get\\_file?uuid=a6715102-371c-45ee-97ee-0150f5a9b449&groupId=38361](http://portal.ncdenr.org/c/document_library/get_file?uuid=a6715102-371c-45ee-97ee-0150f5a9b449&groupId=38361). This document was developed by the Solid Waste Section of the NCDENR Division of Waste Management to assist the regulated community in the implementation of the recent amended North Carolina General Statute 130A-295.6 concerning the use of alternative cover materials as daily cover at sanitary landfills.
- This document discusses two procedures that a facility may follow if they intend to utilize an ACM that is currently not in their operation plan.
  - Once you have determined which procedure you plan to follow, please contact Charles Gerstell at (704) 235-2144 or [charles.gerstell@ncdenr.gov](mailto:charles.gerstell@ncdenr.gov) to discuss which procedure you have selected and how the facility will move forward with the ACM implementation process.
26. Small trees were observed growing on the west side of the inactive Phase 1 portion of the landfill. Please ensure that all trees are removed from the landfill.
27. Soils were extremely wet during the inspection. The facility received 5.55- inches of rain during the month of December along with 2.53-inches of additional rain as of January 16, 2014.

Operations Inspection of the White Goods Area:

28. White goods are collected on a concrete pad adjacent to the scrap metal staging area.
29. This area was well managed at the time of inspection.

Operations Inspection of the Tire Collection Area:

30. Tires are placed on the ground adjacent to the primary landfill access road and top loaded into a trailer for shipment.
31. This area appeared well managed at the time of inspection.

Supporting Comments:

32. The facility has an ~ 990,000 gallon leachate collection pond. Leachate is pumped from the pond to the Mount Airy Wastewater Treatment Plant. No visual deficiencies were observed of the exposed portions of the liner system within the pond.
33. As previously noted, the Permit to Operate shall expire on November 20, 2014. Pursuant to 15A NCAC 13B .0201(g), no later than April 20, 2014, the owner or operator must submit to the Solid Waste Section for review an amendment to the permit prepared in accordance with 15A NCAC 13B .1603(a)(2).

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

  
 Charles T. Gerstell  
 Environmental Senior Specialist  
 Regional Representative

Phone: (704) 235-2144

Sent on: <u>1/24/14</u>		Email		Hand delivery	<b>X</b>	US Mail (w/ NOD)		Certified No. [ ]
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Copies: Jason Watkins, Western District Supervisor  
 Sarah M. Rice, Compliance Officer

