



FACILITY COMPLIANCE INSPECTION REPORT
Division of Waste Management
Solid Waste Section

Table with columns for Unit Type (Lined MSWLF, Closed MSWLF, CDLF) and checkboxes for various waste types (LCID, YW, Transfer, Compost, SLAS, HHW, White goods, Incin, T&P, FIRM, Tire T&P/Collection, Tire Monofill, Industrial Landfill, DEMO, SDTF). Includes County: Davidson, Permit No.: 2906, File Type: COMPLIANCE.

Date of Site Inspection: 08/04/2016 Date of Last Inspection: 07/12/2016

FACILITY NAME AND ADDRESS:

Davidson County Integrated Solid Waste Management Facility
220 Davidson County Landfill Road
Lexington, NC 27292

GPS COORDINATES: N: 35.850925° W: 80.178865°

FACILITY CONTACT NAME AND PHONE NUMBER:

Name: Rex Buck, Public Services Director
Telephone: 336-242-2008
Email address: rex.buck@davidsoncountync.gov

FACILITY CONTACT ADDRESS:

P. O. Box 1067
Lexington, NC 27293-1067

PARTICIPANTS:

Steven Sink, Landfill Supervisor – Davidson County
Angela Jones, Administrative Assistance – Davidson County
John Patrone, Environmental Senior Specialist, Solid Waste Section
Susan Heim, Environmental Senior Specialist, Solid Waste Section

STATUS OF PERMIT:

2906-MSWLF-1994: Closed
2906-MSWLF-2008: Issued 7/14/2014; Expires 5/28/18
2906-CDLF: Issued 5/28/2013; Expires 7/18/2018
2906-HHW: Issued 7/14/2014; Expires 5/28/2018

PURPOSE OF SITE VISIT:

Partial Inspection

STATUS OF PAST NOTED VIOLATIONS:

- 1. CORRECTIVE MEASURES IN PROGRESS: 15A NCAC 13B .0542(1)(4) cited for failure to capture leachate or to treat it prior to discharge. Results of the soil sampling were presented to the Solid Waste Section. After review, a determination was made by Hydrogeologist Jaclynne Drummond that no additional environmental assessment associated with the leachate release would be required at this time. Any measures implemented at the C&D landfill that would prevent future leachate releases must be inspected in order to resolve this violation. Due to time constraints, no inspection of the C&D landfill was made on this date.
2. CORRECTIVE MEASURES IN PROGRESS: 15A NCAC 13B .0542(f)(1) cited for failure to apply adequate cover to waste at the C&D landfill. No inspection of the C&D landfill was made on this date.

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3. CORRECTIVE MEASURES IN PROGRESS: 15A NCAC 13B .1626(2)(a) cited for failure to adequately cover waste at the MSW landfill. Mr. Sink indicated that reseeded of the MSWLF had taken place on July 15, 2016. However, the grading work and new cover application that were a part of the reseeded process throughout the facility were mostly destroyed during several heavy rain events, the last of which occurred July 30 and 31, 2016. Mr. Sink stated that cover and repairs were currently underway, but the wet, muddy conditions were greatly impeding efforts. A great deal of uncovered waste was observed at various areas on the landfill slopes and on top surrounding the working face. Although additional grading and slope repairs may be hindered or delayed by the weather, all exposed waste must be covered immediately.
4. CORRECTIVE MEASURES IN PROGRESS: 15A NCAC 13B. 1626(7)(a) cited for failure to prevent silt from leaving the MSWLF facility. Significant areas of erosion were observed at the MSWLF during this inspection due to the recent heavy rains. Mr. Sink stated that additional cover, regrading and reseeded would resume once conditions improved. Compliance will be achieved once vegetative cover is established on the slope facing the new cell construction.
5. CORRECTIVE MEASURES IN PROGRESS: 15A NCAC 13B. 1626(7)(b) cited for failure to prevent on-site erosion. Due to recent heavy rain events, additional cover, regrading and reseeded of the slope facing new cell construction and on some of the eroded areas of the remaining slopes of Phase 2 of the MSW landfill will be required again. Mr. Sink stated that slope repairs and regrading will be completed as quickly as possible so that reseeded can be scheduled.
6. CORRECTIVE MEASURES IN PROGRESS: 15A NCAC 13B. 1626(7)(c) cited for failure to provide for a vegetative cover sufficient to restrain erosion within 30 working days or 120 calendar days of completion of any phase of MSWLF development. Thus far, efforts at establishing a stable vegetative cover have not been effective. Evidence of additional erosion was observed, and most of the sparse vegetative cover had been washed away during recent heavy rains. Mr. Sink advised that reseeded would take place as quickly as it could be scheduled, weather permitting.

OBSERVED VIOLATIONS:

No additional violations were observed during this inspection.

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. Due to time constraints, the inspection included only the MSW landfill area, with focus on the slopes and working face of the active landfill.
2. A significant amount of uncovered waste was observed on the side slopes that had likely been the result of erosion caused by recent heavy rain events. Immediately cover all exposed waste.
3. Access roads are of all-weather construction. Access to the working face had been washed out and rain damaged in spots. Repairs are needed in order to ensure safe lanes of travel for landfill traffic.
4. The working face of the MSW landfill was compact and had been configured to match the final grades of the active cell. Areas of uncovered waste were observed surrounding the working face. Immediately cover all exposed waste and ensure that all waste is covered at the end of each working day.
5. Mr. Sink stated that the remaining capacity of the active cell is limited to a small area across the top of the landfill,

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and that he anticipated the available airspace would be full within two weeks.

- 6. Areas surrounding the MSWLF appeared to be in need of maintenance. Tall weeds and scrub brush were observed throughout the facility, especially along access roadways. Mowing and regular maintenance of the facility may assist in the collection of windblown litter. Ensure that all windblown trash is collected throughout the facility at the end of each working day, including areas surrounding the scale house and access roads.

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

Phone: 336-776-9672

Susan Heim
Environmental Senior Specialist
Regional Representative

Sent on: August 11, 2016 to Rex Buck.	<input checked="" type="checkbox"/>	Email	<input type="checkbox"/>	Hand delivery	<input type="checkbox"/>	US Mail	<input type="checkbox"/>
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- Copies:
- Jason Watkins, Field Operations Branch Head – Solid Waste Section
 - Deb Aja, Western District Supervisor – Solid Waste Section
 - John Patrone, Environmental Senior Specialist – Solid Waste Section
 - Jessica Montie, Compliance Officer – Solid Waste Section
 - Zeb Hanner, County Manager – Davidson County
 - Steven Sink, Landfill Supervisor – Davidson County
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