



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: 10/17/2016 Date of Last Inspection: 08/17/2016

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 Assistant – Davidson County
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. RESOLVED: 15A NCAC 13B .0542(f)(1) cited for failure to apply adequate cover to waste at the C&D landfill. The top and all side slopes of the C&D landfill were observed to have an established vegetative cover, and no waste was visible on the site. A small area where erosion appeared to have begun as a result of the rains associated with Hurricane Matthew was observed to be under repair; however, additional seeding should not be necessary after the repairs are complete.
2. RESOLVED: 15A NCAC 13B .1626(2)(a) cited for failure to adequately cover waste at the MSW landfill. No waste was visible on the top or any of the side slopes of the MSW landfill. Soil cover was observed to be in place, with new vegetative cover beginning to emerge on the side slopes.

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3. **CORRECTIVE MEASURES IN PROGRESS:** 15A NCAC 13B. 1626(7)(a) cited for failure to prevent silt from leaving the MSWLF facility. On the date of this inspection, no silt was observed leaving the landfill. Some slope repairs had been made since the heavy rains associated with Hurricane Matthew, and clean-up work was observed to be in progress along the toe of the landfill. In several areas, additional seeding will be required in order to achieve a stable vegetative cover that will prevent future problems with sedimentation.
4. **CORRECTIVE MEASURES IN PROGRESS:** 15A NCAC 13B. 1626(7)(b) cited for failure to prevent on-site erosion. Although Mr. Sink stated that all repairs, regrading and reseeding had taken place as planned in August/September, some small areas of erosion and slope repair were observed on the side slopes of Phase 2 that were the result of the heavy rain event associated with Hurricane Matthew. Mr. Sink stated that spot seeding would be undertaken as quickly as possible to re-establish the vegetative cover that had begun to sprout before the storm occurred.
5. **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. Although slope repairs and reseeding had again taken place, vegetative cover at the MSW landfill has not yet become established due to the rain event associated with Hurricane Matthew. Final repairs were observed to be in progress during this inspection, and Mr. Sink stated that spot seeding will take place once repairs are complete.

#### **SUMMARY OF VIOLATIONS AND CORRECTIVE MEASURES:**

The previously observed violations addressed in numbers 3 through 5 above relate to erosion and sedimentation control at the MSW landfill. Although corrective measures were undertaken immediately after the initial inspection on June 2, 2016, a series of heavy rain events washed away the cover that had been added to the side slopes, created large ruts and gullies and virtually eliminated all traces of seeding that has been done on at least three separate occasions. Because final grading and seeding of the MSW landfill slopes and top had again been completed before the compliance deadline of September 30, 2016, the deadline will be extended until **November 15, 2016**. At that time, compliance must be demonstrated through established vegetative cover on Area 1 and Area 2/Cell 1 of the active MSW landfill.

#### **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. The now inoperational C&D landfill was observed to have uniform side slopes and an established vegetative cover over the entire area of the cap. Some minor repair work was underway where the rain event associated with Hurricane Matthew damaged a small area of the upper portion of the southwest slope.
2. An application for closure of the C&D landfill has been received by the Solid Waste Section and is currently under review.
3. The temporary berm that contained the runoff from the southwestern slope of the C&D landfill was observed to be in place and functioning. Mr. Sink stated that the final closure design will include a permanent mechanism for controlling runoff.

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4. A small number of white goods was observed to be properly stored on the ground in the collection area. Mr. Sink stated staff was now sorting and stacking the units as they were received, and compacting units without CFC's to prepare them for transportation to a metal recycler. He explained that a contract had been executed with Rapid Recovery for CFC evacuation and that processing was occurring now on a regular basis in order to ensure safe and proper management of the white goods.
5. The HHW collection area was gated and locked at the time of the inspection. The large stockpile of latex paint that had accumulated at the site had been reduced considerably. Only 2 pallets of paint cans were observed under cover in the collection area. Mr. Sink stated that he had been working closely with contractor 3RC to ensure that paint is removed from the site regularly.
6. The transfer station was in operation again after having been closed earlier in the year, and was observed to be taking in C&D waste, which is then transported to the MSW landfill for disposal. Time did not permit a full inspection of the transfer station on this date.
7. Electronics are accepted at the cardboard collection building, where they are sorted and stored prior to being processed and palletized for transport. Several pallets of processed electronics were stored inside the transfer station building at the far side of the loading bay. Mr. Sink stated that Power House is still the county's electronics recycling/disposal contractor, and that e-waste is being removed from the facility as a trailer load is accumulated.
8. A Permit to Operate the newly constructed cell (Phase 2, Area 2, Cell 2) was issued on August 18, 2016. In passing, the initial lift was observed to be well underway.
9. Concerted efforts to improve the appearance of the facility as a whole had obviously taken place since the last inspection on 8/17/16. Grounds had been mowed and weeds and brush removed. Mr. Sink stated that inmates were still being used to collect and remove windblown litter throughout the facility on a daily basis, as required by 15 NCAC 13B .1626(11)(c).



*Toe of C&D landfill with silt and runoff ponded at temporary berm. Note uneven grade with some uncovered waste resulting from the rocky cover soil. (Photo taken 8-17-2016)*



*Toe of C&D landfill with runoff ponded at temporary berm. Note well established vegetative cover with no waste visible. (Photo taken 10-17-2017)*

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*Eroded areas and repaired areas along northern slope with new cell in the background. (Photo taken 8-17-2016)*



*Repaired north slope with emerging vegetative cover and new cell in the background. (Photo taken 10-17-2016)*



*Repaired south slope of active MSW landfill with emerging vegetative cover. (Photo taken 10-17-2016).*

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

Phone: 336-776-9672

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 Susan Heim  
 Environmental Senior Specialist  
*Regional Representative*

Sent on: <b>October 19, 2016 to Rex Buck.</b>	<b>X</b>	Email		Hand delivery		US Mail	
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- Copies:
- Jason Watkins, Field Operations Branch Head – Solid Waste Section
  - Deb Aja, Western District Supervisor – Solid Waste Section
  - Jessica Montie, Compliance Officer – Solid Waste Section
  - Zeb Hanner, County Manager – Davidson County
  - Steven Sink, Landfill Supervisor – Davidson County
  - Angela Jones, Solid Waste Administrative Assistance – Davidson County