



FACILITY COMPLIANCE INSPECTION REPORT
Division of Waste Management
Solid Waste Section

UNIT TYPE:											
Lined MSWLF	X	LCID		YW		Transfer	X	Compost		SLAS	COUNTY: Davidson PERMIT NO.: 29-06 FILE TYPE: COMPLIANCE
Closed MSWLF	X	HHW	X	White goods	X	Incin		T&P		FIRM	
CDFL	X	Tire T&P/ Collection	X	Tire Monofill		Industrial Landfill		DEMO		SDTF	

Date of Site Inspection: 10/02/14

Date of Last Inspection: 11/21/13

FACILITY NAME AND ADDRESS:

Davidson County Solid Waste Management Facility
 220 Davidson County Landfill Road
 Lexington, North Carolina 27292

GPS COORDINATES: **N:** 35.85281 **E:** 80.17620

FACILITY CONTACT NAME AND PHONE NUMBER:

Rex Buck, Public Services Director
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 Steven Sink, Landfill Supervisor
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FACILITY CONTACT ADDRESS:

P.O. Box 1067
 Lexington, North Carolina 27293-1067

PARTICIPANTS:

Rex Buck, Public Services Director
 Angela Jones, Administrative Assistant
 Steven Sink, Landfill Supervisor
 Michael Lankford, Convenience Center/Recycling
 Sam Grubbs, C&D Landfill Operator
 Jamie Jarrell, Scale House
 Holland Shoaf, White Goods Facility
 Sherri Robbins, Administrative Assistant
 Hugh Jernigan, N.C. Solid Waste Section

PERMIT HISTORY/STATUS OF PERMIT:

October 8, 1993- Original Permit to Construct: *(MSW Unit- Phase 1, Area 3).*
June 22, 1994- Permit to Construct Modification: *(Alternative CQA Plan).*
June 24, 1994- Permit to Construct Modification: *(Alternative Plan for Clay Liner Verification).*
July 14, 1994- Permit to Construct Modification: *(Liner Repair and Reconstruction Plan).*
September 28, 1994- Original Permit to Operate: *(MSW Unit- Phase 1, Area 3).*

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January 17, 1995- Permit to Operate: *(MSW Unit- Phase 1, Area 3, Cell 3B).*
February 20, 1995- Permit to Construct: *(MSW Unit- Phase 1, Area 1).*
August 21, 1995- Permit Renewal: *(MSW Unit- Phase 1, Area 1.)*
March 13, 1996- Permit to Operate: *(MSW Unit- Phase 1, Area 1).*
August 18, 1999- Permit to Construct: *(MSW Unit- Phase 1, Area 2, Cell 1).*
May 30, 2000- Permit to Operate: *(MSW Unit- Phase 1, Area 2, Cell 1).*
June 22, 2001- Permit to Operate: *(HHW Facility).*
November 20, 2001- Permit to Operate: *(C&D Landfill Unit- Phase 1).*
May 15, 2002- Permit Modification: *(Mobile Home Deconstruction for C&D Landfill and Alternative Daily Cover for MSW Landfill).*
June 24, 2003- Permit to Operate: *(MSW Unit- Phase 1, Area 2, Cell 2).*
September 8, 2005- Permit to Construct: *(C&D Landfill Unit- Phase 2).*
April 10, 2006- Permit to Operate: *(C&D Landfill Unit- Phase 2).*
April 27, 2007- Permit Modification: *(MSW Landfill Unit- Partial Closure of Phase 1, Areas 1&3).*
September 28, 2007- Permit to Construct: *(MSW Landfill- Phase 2 Area 1).*
December 8, 2008- Permit to Operate: *(MSW Landfill- Phase 2 Area 1) (Partial Closure Phase 1, Areas 1&3) (Closure Modification and Regrading Plan, Phase 1).*
July 18, 2011- Permit to Construct/Operate: *(Permit to Construct C&D Landfill- Phase 4) (Permit Renewal to Operate MSW Landfill- Phase 2, Area 1) (Permit Renewal to Operate C&D Landfill- Area 3) (Operations Plan Modification).*
May 28, 2013- Permit to Construct/Operate: *(Permit to Construct MSW Landfill- Phase 2, Area 2) (Permit to Operate C&D Landfill- Phase 4) (Closure of MSW Landfill- Phase 1, Area 1B) (Operation Plans Modification) (C&D Landfill Unit- Approval for Acceptance of Fiber Glass Waste from PPG Lexington Facility).*
August 27, 2013- Permit to Operate: *(Permit to Operate Solid Waste Transfer Facility) (Operations Plan Modification).*
July 14, 2014- Permit to Operate/Construct: *(Permit to Operate new Phase 2, Area 2, Cell 1 MSWLF) (Permit to Construct Phase 2, Area 2, Cell 2 MSWLF)*
Permit To Operate Expiration Date, *Permit 2906-MSWLF-1994: Not Applicable, Closed
Permit To Operate Expiration Date, *Permit 2906-MSWLF-2008: May 28, 2018
Permit To Operate Expiration Date, *Permit 2906-CDLF-: July 18, 2016
Permit To Operate Expiration Date, *Permit 2906-TRANSFER-2013: August 27, 2018
Permit To Operate Expiration Date, *Permit 2906-HHW-: May 28, 2018

Note: The identification of file location in Solid Waste Section electronic files is designated by *

PURPOSE OF SITE VISIT:

Comprehensive Facility Inspection.

STATUS OF PAST NOTED VIOLATIONS:

None

OBSERVED VIOLATIONS

None

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.

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ADDITONAL COMMENTS

General Information

1. The permitted facility consists of a two MSW Landfills (Phase 1, closed and Phase 2, active), Construction and Demolition Landfill, Household Hazardous Waste Collection Facility, Tire Collection Site, White Goods Collection and Processing Facility, a metals collection site, a waste drop-off convenience area for cars and small trucks, household textiles recycling area, electronics collection/recycling site, a drop-off convenience area for selected recyclables, a gas extraction/electric generation facility located at the closed Phase 1 MSW Landfill, and a Solid Waste Transfer Station (Permit to Operate issued 08/27/13). A closed unlined MSW Landfill (Permit 29-02, Holly Grove Landfill) is located on adjacent property.
2. The service area for the facility is limited to Davidson County.
3. Approved locations for maintenance of facility operational records are the Davidson County Landfill office located at 220 Davidson County Landfill Road, and at the Davidson County Public Services offices located at 945 North Main Street, Suite B, Lexington, N.C. 27293.
4. Reviewed current permit (dated July 14, 2014-Doc ID: 21357), approved Operational Manual (Revised July 31, 2013-Doc ID: 19418), tonnage reports, and other operational records for the facility and facility components.
5. The facility is covered under N.C. General Storm Water Permit No. NCG120000, expiring October 31, 2017. The facility is monitoring and reporting under the provisions of the Storm Water Permit.
6. The facility is covered under an approved Erosion and Sedimentation Control plan.
7. The facility has a discharge permit (via pump and haul) with the City of Lexington Waste Water Treatment Plant for leachate generated from the closed Phase 1 and active Phase 2 MSW landfills.
8. Reviewed facility training records including SWANA certifications, waste screening training, and other related solid waste training.
9. Current SWANA certifications for all facility areas of operation include, but not limited to:
 - Allen Bowman, Landfill Operations Specialist-expires 03/14/2016
 - Darrell Leonard, Landfill Operations Specialist-expires 03/14/2016
 - Darrell Leonard, Transfer Station Operations Specialist-expires 06/19/2016
 - Daniel James, Landfill Operations Specialist-expires 03/14/2016
 - Todd Hancock, Landfill Operations Specialist-expires 03/14/2016
 - Keith Cecil, Landfill Operations Specialist-expires 10/01/2016
 - Kenneth Biggs, Landfill Operations Specialist-expires 10/01/2016
 - Kenneth Biggs, Transfer Station Operations Specialist-expires 06/19/2016
 - Jamie Jarrell, Landfill Operations Specialist-expires 10/01/2016
 - Michael Lankford, Landfill Operations Specialist-expires 11/15/2017
 - Michael Lankford, Transfer Station Operations Specialist-expires 06/19/2016
 - Michael Lankford, Certified Landfill Manager-expires 06/06/2017
 - Richard Hedrick, Landfill Operations Specialist-expires 03/14/2016
 - Sam Grubbs, Landfill Operations Specialist-expires 03/14/2016
 - Mark Pierce, Landfill Operations Specialist-expires 10/01/2016
 - Mark Pierce, Transfer Station Operations Specialist-expires 06/19/2016
 - Sherri Robbins, Landfill Operations Specialist-expires 10/01/2016
 - Charlie Brushwood, Transfer Station Operations Specialist-expires 06/19/2016
 - Charlie Brushwood, Certified Landfill Manager – expires 04/15/2015
 - Steven Sink, Transfer Station Operations Specialist-expires 06/19/2016
 - Steven Sink, Certified Landfill Manager – expires 04/30/2017.
10. The MSW landfill permit to operate contains a condition to allow for disposal of Waste Water Treatment Plant (WWTP) sludges. The facility received 229.17 tons of sludge for the month of August 2014.

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11. Annual facility financial assurance documentation was submitted to the Solid Waste Section for the year 2013. **Submittal of financial assurance documentation for the year 2014 is due by November 30, 2013.**
12. A 1.6 MW electric power generation facility utilizing landfill gas is operated on the site by Davidson Gas Producers, LLC. Landfill gas is currently being extracted from gas wells on the closed Phase 1 MSW Landfill, Phase 2 MSW Landfill, and 11 gas wells on the closed Holly Grove Landfill (Permit 29-02). Approximately 20 million cubic feet of landfill is extracted monthly from the landfill gas wells.
13. Reviewed the facility 2013 Greenhouse Gas report dated April 2014.
14. The Davidson County Landfill site has not reached capacity levels for requirements of Title V permitting by the Division of Air Quality.

Phase 1 Landfill Unit (Closed)

15. Phase 1 disposal operations were completed on November 18, 2009 for closure contours, establishing crown, and preparation for methane studies for a landfill gas extraction system.
16. November 18, 2009 should be considered "last receipt of waste" in Phase 1 for the purposes of MSW landfill closure.
17. The permit issuance of May 28, 2013, included approval of closure certification for Phase 1 Area 1B, completing approval of closure certification for the entire Phase 1, Area 1/Area 2/Area 3 MSW Landfill.
18. Note: May 28, 2013 is the start date for the 30-Year Post Closure Maintenance requirements for the Phase 1 MSW landfill.
19. The entire cap system of the closed Phase 1 MSW Landfill was observed to be stable with good vegetative cover. The vegetation on the landfill cap has been recently mowed.
20. Small trees are to be removed from rock drainage channels on landfill side slopes.
21. Periphery ditches of the landfill are well maintained and no erosion areas were observed on the Phase 1 Landfill.
22. Sedimentation basins well maintained and have adequate retention capacity.
23. Edge of waste markers are in place on Phase 1.
24. The landfill gas extraction system (39 wells) is operating and supplying the landfill gas to energy plant. Davidson Gas Producers, LLC began electric generation operations in November 2010.
25. Reviewed the landfill gas monitoring program and quarterly methane monitoring sampling results for Phase 1.
26. The last landfill gas monitoring event was conducted on September 29, 2014. No methane was detected in facility structures (HHW facility, scale house, maintenance shop, recycling facility buildings, office, white goods facility, yard box attendant structure, French drain location, manhole at leachate lagoon, and convenience area) and 13 landfill gas monitoring wells. The methane monitor utilized is a Multi-Rae+ rented from Geodic. The quarterly methane monitoring reports include manufacturer's calibration, field calibration, and weather data.
27. Reviewed the Phase 1 landfill ground water/surface water/leachate monitoring program. The approved monitoring system consist of 13 monitoring wells (MW-1S, MW-2, MW-3, MW-4, MW-5, MW-6, MW-7S, MW-7D, MW-8, MW-9A, MW-10, MW-11, MW-12) and two surface monitoring locations SW-1 (upstream)/SW-2 (downstream on Jimmy's Creek).
28. Reviewed most recent report for the semiannual surface water (2 locations sampled)/ground water (12 wells sampled, monitoring well MW-2 was dry and not sampled)/leachate monitoring event conducted March 31-April 1, 2014. No inorganic constituents were detected above 2L standards. Acetone was the only organic parameter detected and was not detected above the 2L standards. No inorganic or organic constituents were detected above the 2B standards in surface water samples. The April 2014 analytical results for the monitoring event were consistent with historical data and not indicative of contamination from the landfill according to report conclusions.
29. A semiannual monitoring event was conducted during the last week of September 2014, the report will be forthcoming upon completion of analysis of samples and preparation of the report.

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30. Monitoring wells observed to be accessible and locked.
31. Reviewed French Drain inspection logs for the Phase 1 facility, last conducted September 29, 2014.
32. Leachate generated by the Phase 1 MSW Landfill is collected in a lagoon and hauled via tanker trucks to the City of Lexington Waste Water Treatment Plant.
33. Reviewed leachate hauling records and contingency plans. Hauling records are accompanied with Waste Identification forms signed by the waste treatment plant.\
34. During the month of August 2014 the facility hauled 55,000 gallons of leachate to the Waste Water Treatment Plant.
35. The Phase I leachate collection lagoon was observed to have adequate retention capacity available.

Phase 2 MSW Landfill Unit

36. Disposal operations began December 10, 2008 for the Phase 2, Area 1 MSW Landfill.
37. Permit to Operate for Phase 2, Area 2, Cell 1 was issued July 14, 2014. Initial waste disposal in Area 2, Cell 1 the last week of August 2014. The July 14, 2014 permit issuance included a Permit to Construct for Phase 2, Area 2, Cell 2. Scheduling for construction of Cell 2 has not been planned at this time.
38. Reviewed the landfill gas monitoring program and quarterly methane monitoring sampling results for Phase 2. The current methane monitoring plan was approved by the Solid Waste Section January 11, 2013 (document ID 18015). The last landfill gas monitoring event on September 29, 2014 detected no methane in facility structures and 9 landfill gas monitoring locations and scale house. The methane monitor utilized is a Multi-Rae+ rented from Geotech. The methane monitoring reports include manufacturer's calibration, field calibration, and weather data.
39. Reviewed MSW Landfill daily cover verification logs (Conditions of July 15, 2009 Compliance Order/November 6, 2009 Consent Agreement) as included in Section 1.12 (Record Keeping), Item P. of the approved Operation Manual (July 2013 revision).
40. Reviewed landfill staff training plan and landfill staff training logs (Condition of July 15, 2009 Compliance Order/November 6, 2009 Consent Agreement) as included in Appendix I of the approved Operation Manual (July 2013 revision).
41. Reviewed leachate release prevention plan (Condition of July 15, 2009 Compliance Order/November 6, 2009 Consent Agreement as included in Appendix H of the approved Operation Manual (July 2013 revision).
42. Reviewed weekly leachate system inspection logs and quarterly/annual training logs.
43. The facility contracts for annual leachate system inspection cleaning. A leachate system line cleaning and leachate system video inspection was conducted JetClean America November 13, 2013. The submitted inspection report dated December 11, 2013 stated there were no issues associated with the leachate system cleaning and the analysis of the video inspections indicated the leachate drain system was sound with no defects. Annual leachate system cleaning is scheduled for November 2014. Video inspections of the leachate system collection lines are conducted one every three years
44. Reviewed semiannual surface water (2 locations)/ground water (11 wells) /leachate monitoring program and most recent semiannual monitoring event report conducted April 2-3, 2014. The analysis of groundwater samples detected inorganic constituents (barium, vanadium, zinc, and copper), none above 2L standards. The detected inorganic constituents were determined to be naturally occurring. Analysis of groundwater samples found no detectable levels of organic constituents. No inorganic or organic constituents were detected in analysis of surface water samples.

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45. Leachate generated by the Phase 2 MSW landfill is collected and stored in a 330,000 gallon storage tank (550,000 secondary containment area) and is hauled to the City of Lexington Waste Water Treatment Plant. At the time of the facility inspection the leachate storage tank was registering 7 feet of leachate.
46. The Phase 2 area hauled 21,600 gallons of leachate to the waste water treatment plant during the month of August 2014. Hauling records are accompanied with Waste Identification forms signed by the waste treatment plant.
47. The MSW Landfill is approved for the use of tarps as an alternative daily cover as per Operation Manual and permit amendment of 5/15/02.
48. Reviewed random inspection program, contingency plans, and waste screening reports.
49. Reviewed completed waste screening/random inspection reports for the period 08/01/14- 09/26/14. There were 13 random inspections conducted with accompanying photo documentation. Section 2.3.1 of the Operation Manual states a minimum of one vehicle per week of incoming loads are to be inspected. The facility is meeting frequency requirements for random inspections.
50. The MSW Landfill is currently receiving approximately 400 tons per day; the MSW Landfill received 8,502.80 tons for the month of August 2014.
51. The annual facility report indicated the facility disposed 95,538.12 tons of waste during the reporting period July 1, 2013-June 30, 2014.
52. Observed disposal operations at the Phase 2 MSW landfill.
53. Currently disposing of waste in Phase 2, Area 2, Cell 1. Initial waste disposal were conducted in Cell 1 in August, 2014
54. The working face was observed to be small, efficiently sized, and well defined; the tipping deck area was well maintained and free of debris for effective ingress and egress of disposal vehicles.
55. Waste from current and previous daily disposal operations in Cell 1 appeared to well compacted.
56. Excellent daily cover from previous daily disposal operations.
57. All weather roads are maintained within the landfill site.
58. Windblown materials observed to be effectively controlled and collected. No windblown material observed on or off site. The facility has constructed portable fences to be utilized as needed.
59. Monitoring wells accessible and locked.
60. No on-site or off-site erosion noted. Sedimentation basins maintained and have adequate retention capacity.
61. All disposal activities are being conducted in Phase 2, Area 2, Cell 1. Intermediate soil cover has been placed over all recently completed areas of Phase 2, Area 1 in preparation for seeding.
62. Vegetation has been established on previous inactive areas of the Phase 2 MSW landfill.
63. Edge of waste markers in place on the Phase 2 MSW landfill.

C&D Landfill

64. The Construction and Demolition Landfill facility began receiving waste on December 4, 2001.
65. Deconstruction of mobile homes is approved by 05/15/02 Permit modification and Operation Manual approval at the C&D landfill. The most recent receipt of a mobile home and deconstruction was on 09/13/13.
66. The permit issuance of May 28, 2013 includes approval for operation of the Phase 4, C&D Landfill area, and approval for acceptance of fiberglass waste from PPG Industries.
67. During the month of August 2014, 2505.18 tons of waste was disposed in the C&D Landfill, including 1,892.53 tons of fiberglass waste.
68. The annual facility report indicated the facility disposed 23,516.76 tons of waste during the reporting period July 1, 2013-June 30, 2014. This was a significant increase over the previous year (9,933.18 tons) and the increase is attributable to fiberglass disposal.
69. The C&D Landfill is approved for, and conducts recycling activities on site consisting of metals, clean wood, cardboard and other recyclables which are placed in proper containers at the end of each day.

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70. Reviewed semiannual monitoring program and last semiannual monitoring report for the C&D Landfill sampling event of March 31- April 1, 2014. Analysis results from the 5 groundwater monitoring wells (Well ID. CDMW-2, CDMW-3, CDMW-5, CDMW-6, and CDMW- 7) sampled detected three inorganic constituents; iron, barium, and manganese. The monitoring report stated these constituents were naturally occurring and not indicative of impact from the landfill. No organic constituents are detected above 2L standards for this sampling event.
71. Observed C&D Landfill disposal operations, currently operating in the Phase 4 area.
72. The working face was effectively sized, well defined, and well compacted.
73. No on-site or off-site erosion observed.
74. Sedimentation basins are well maintained and have adequate retention capacity for rainfall events.
75. Previous weekly and intermediate soil covers have been conducted as per requirements. The facility maintains a log for the C&D Landfill dates of soil cover. Reviewed the daily logs for verification of weekly soil cover requirements.
76. Periodic seeding has been periodically conducted for vegetative cover over completed side slopes and vegetative cover established over the completed side slopes.
77. Additional soil cover has been placed in preparation for scheduled fall seeding.
78. Sedimentation basins are maintained and have adequate retention space for rainfall events.
79. The C&D landfill unit has a leachate sump system located in the northwest corner of the landfill. The system has not been accumulating leachate and has not required pumping in the 4 past years.
80. Observed incoming loads, all incoming waste generated from construction and demolition operations during inspection period. No prohibited waste was noted in the C&D landfill.
81. Reviewed random inspection/waste screening program and reviewed waste screening reports. Section 2.3.1 of the Operation Manual states a minimum of one vehicle per week of incoming loads at the C&D Landfill are to be inspected. During the period 07/03/14-09/23/14, 12 random inspections with accompanying photo documentation were conducted, meeting requirements of the Operation Manual.
82. Edge of waste markers are in place around the C&D Landfill.
83. Monitoring wells were observed to be secure, accessible, and locked.
84. Windblown materials well controlled and collected.

Household Hazardous Waste Facility

85. The facility was initially permitted to operate June 22, 2001.
86. Reviewed HHW facility operations and procedures.
87. The HHW facility was previously operated by Davidson County staff and open to Davidson County citizens on Wednesdays, Saturdays, and by appointment for special considerations.
88. As of December 7, 2013 the HHW facility has operated first Saturday of each month and by contract with Resource Recovery and Reduction (3RC) out of Winston-Salem, N. C.
89. Delivery and processing operations are in covered areas. An emergency drain and sump is located in the delivery area for potential spills.
90. Reviewed HHW facility Operations Manual (Appendix G, Facility Operations Manual, July 31, 2013 revision), contingency plans, and spill prevention plans.
91. The facility is permitted to receive paints, poisons, flammable solvents, flammable solids, antifreeze, used oils, oxidizers, aerosols/compressed gas, acids, batteries, fluorescent light bulbs, and other miscellaneous HHW waste.
92. Non-hazardous latex paints are solidified on site for disposal in the MSW landfill. Other non-hazardous residues are also sent to the MSW Landfill.

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93. The facility does not accept explosives, biohazard material, or radioactive waste.
94. The annual facility report indicated the facility collected 43,773 pounds of HHW during the reporting period July 1, 2013-June 30, 2014. The materials collected included: Compressed Gases- 643 lbs., Flammable Liquids- 9,686 lbs., Flammable Solids -2,207 lbs., Oxidizing Material- 224.0 lbs., Poisonous Material – 1,151 lbs., Corrosive Material – 772 lbs., Fluorescent Lightbulbs – 447 lights, Paint- 27,066 lbs., Antifreeze – 550 lbs., Used Oil- 1,474 lbs., and Used Oil Filters -1,800 lbs.
95. No record reviews were conducted. **Note: Arrangements should be made with the HHW facility contractor to have records available for review at the approved record maintenance locations (see comment #3). Also since the Permit to Operate is issued to Davidson County, the county should assure the operations at the HHW facility are in accordance with the approved Operations Manual by reviewing current operational procedures at the site, or if needed, submit to the Solid Waste Section modifications for the Operations Manual.**

Solid Waste Transfer Station

96. The Permit to Operate issuance of August 27, 2013 approved the operation of a transfer station located at the site of the former Material Recovery Facility.
97. Infrastructure modifications are currently being conducted at the Material Recovery Facility area for use as a transfer station. The projected date for operation of the transfer station has not been determined at this time. Upon completion of modifications, including installation of a leachate collection system, the anticipated operational date is expected in early 2015. **Note: It is recommended a pre-operational inspection be conducted by the Solid Waste Section prior to commencement of transfer station operations to verify permit conditions and compliance with Operation Manual requirements.**
98. The transfer station is permitted to receive and transfer both C&D and MSW waste and the operational criteria for the site is included in the approved Operational Manual (July 31, 2013 Revision-Doc ID: 19418).
99. Section 2.3.1 of the Operations Manual states a minimum of one vehicle per week of incoming loads are to be inspected at the transfer station.

Other Facility Components

100. Observed operations at the small vehicle/resident waste disposal convenience and recycling area, tire collection site, household textiles recycling area, electronics recycling area, white goods collection/processing facility, and scrap metal collection area. Mattress and upholstered furniture processing/recycling operations, and Styrofoam recycling operations are no longer conducted at the site. Collected mattresses are now sent directly to a mattress recycler for processing.
101. In conjunction with other Davidson County recycling programs the county collects: used motor oil, antifreeze, lead acid batteries, propane tanks, automobile radiators, rechargeable batteries, and used oil filters.
102. Observed white goods collection/processing facility, and metals collection and processing areas. White goods brought in by county residents are processed at the site and have CFC's, motors, wiring, and other components removed before shipment to recyclers. The facility shipped approximately 12.5 tons of recycled appliances to processors during the month of August 2014.
103. Collected white goods were observed to be processed in a timely manner and the facility was observed to be well organized.
104. Observed electronics recycling area. Collected computers and televisions are sorted and shrink wrapped for shipment to electronics recyclers. At the time of the inspection, several pallets of electronics were on the loading dock ready for loading and shipment, and one trailer was full and ready for transport.

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- 105. The county shipped 39,960 pounds of electronics to their contracted electronics recycler during the month of August 2014
- 106. **Note: The county Electronics Recycling Plan verification is due to the Solid Waste Section by December 31, 2014. Approval of the Electronics Recycling Plan is necessary in order to receive distributions from the Electronics Management Fund.**
- 107. Reviewed county recycling in-bound out-bound totals for the month of August 2014. Single stream recyclables collections from county convenience sites and other county collection activities are being processed at the North Davidson Garbage Service material recovery facility.
- 108. Conducted a review of the County scrap tire collection program.
- 109. Tonnage totals for received scrap tires are listed separately for commercial generators/registered haulers, tire site clean-ups of more than 5 tires, and from county residents of 5 tires or less.
- 110. Incoming scrap tires are placed directly into trailers by scrap tire haulers, and monitored by scale house personnel at the Phase 1 area scalehouse. Loaded trailers are taken to U.S Tire.
- 111. Reviewed recently processed tire certification forms. Note: Tire certification forms were found to be fully documented, including signatures on Part 1 and Part 2 of the tire certification form.
- 112. During the month of August 2014, record reviews indicated 154.72 tons of tires were received at the county tire collection site, including 12.31 tons of tires from clean-up. Excellent documentation regarding tire tonnages received at the Davidson County tire collection site. **Note: Davidson County may wish to review and verify the documentation for scrap tire collection for sites which have trailers located by U. S. Tire and directed hauled to the U. S. Tire facility.**
- 113. A Temporary Disaster Debris Storage and Processing site (DD 29-002) was activated on April 2, 2014 at the site for collection and processing of vegetative debris generated by the March 6-7 2014 ice storm. The site collected approximately 5,700 cubic yards of vegetative debris. The collected debris has been ground for mulch and the county is currently offering Davidson County citizens free mulch. The site was found to be well operated and maintained. Remaining mulch on the site is to be removed and utilized by the landfill.

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



Phone: 336-771-5093

Environmental Senior Specialist
Regional Representative

Sent on: 10/06/14	X	Email		Hand delivery		US Mail	Certified No. []
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Copies: Jason Watkins, Field Operations Branch Head
Sarah Rice, Solid Waste Compliance Officer
John Murray, Solid Waste Permitting Section