



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

**UNIT TYPE:**

Lined MSWLF		LCID		YW	<input checked="" type="checkbox"/>	Transfer	<input checked="" type="checkbox"/>	Compost		SLAS		<b>COUNTY: HENDERSON</b> <b>PERMIT NO.: 45-04T</b> <b>FILE TYPE: COMPLIANCE</b>
Closed MSWLF		HHW	<input checked="" type="checkbox"/>	White goods	<input checked="" type="checkbox"/>	Incin		T&P		FIRM		
CDFL		Tire T&P / Collection	<input checked="" type="checkbox"/>	Tire Monofill		Industrial Landfill	<input checked="" type="checkbox"/>	DEMO		SDTF		

**Date of Site Inspection:** 5/6/2013 and 5/10/2013

**Date of Last Inspection:** 7/12/12

**FACILITY NAME AND ADDRESS:**

Henderson County Solid Waste Transfer Facility  
 802 Stoney Mountain Road  
 Hendersonville, NC 28791

**GPS COORDINATES:** N: 35.35258 E: -82.49731

**FACILITY CONTACT NAME AND PHONE NUMBER:**

Name: Natalie Berry  
 Telephone: (828) 694-6523; (828) 697-4505 Facility number  
 Email address: [nberry@hendersoncountync.org](mailto:nberry@hendersoncountync.org)  
 Name: Greg Wiggins  
 Email address: [gwiggins@hendersoncountync.org](mailto:gwiggins@hendersoncountync.org)

**ADDITIONAL FACILITY CONTACT ADDRESS:**

Marcus Jones – Henderson Co. Director of Engineering  
 100 N. King Street  
 Hendersonville, NC 28792

**PARTICIPANTS:**

Andrea Keller – DENR Solid Waste Section  
 Greg Wiggins – Henderson County SW Operations Manager  
 Natalie Berry – Henderson County SW Department (5/10/2013)

**STATUS OF PERMIT:**

PTO Amendment April 12, 2011  
 Permit expires: July 26, 2015

**PURPOSE OF SITE VISIT:**

Comprehensive Site Inspection(s)

**STATUS OF PAST NOTED VIOLATIONS:**

None

**OBSERVED VIOLATIONS:**

Applicable Rules and Permit Conditions:

2090 US Highway 70, Swannanoa, North Carolina 28778  
 Phone: 828-296-4500 \ FAX: 828-299-7043 \ Internet: <http://portal.ncdenr.org/web/wm/sw>

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**15A NCAC 13B .0203 (d)** By receiving solid waste at a permitted facility, the permittee(s) shall be considered to have accepted the conditions of the permit and shall comply with the conditions of the permit

**15A NCAC 13B .0402** Operational Requirements: Any person who maintains or operates a transfer facility shall maintain and operate the facility in conformance with the following practices unless otherwise specified in the permit.

**15A NCAC 13B .0402 (3)** Water that comes in contact with solid waste will be contained on-site or properly treated prior to discharge from the site.

**Permit Condition Part I, 8** – the facility shall not cause nuisance conditions (c) Waste may be stored on-site, in leak proof transfer trailers, with watertight covers. Storage of the waste must not cause any nuisance, such as odor or attraction to vectors.

**Permit Condition Part I, 9** – All water that comes in contact with solid waste, including vehicle wash-down water, is leachate and must be captured and properly treated before release to the environment. (a) The leachate control system, such as floor drains, leachate collection devices, sanitary sewer connections and leachate storage tanks, must be operational during facility operations.

**Permit Condition Part II, 15** – Water that comes in contact with solid waste shall be contained on-site or properly treated prior to discharge.

**Permit Condition Part II, 17** – These areas shall be operated and maintained in a manner so as to minimize odors, prevent the creation of a nuisance, potential health hazard, or a potential fire hazard.

**Permit Condition Part II, 19** – the facility must manage all operations according to all applicable statues and rules of the State of North Carolina.

On May 6, 2013, the leachate collection system (trench drains) were not operational in the lower loading bays, contained standing water, and was not operating as designed. Leachate from the trench drains was observed reaching two surface water drains which discharge to an on-site surface water body. On May 6, 2013, two transfer trucks were observed releasing leachate to the environment (leaking).

**Henderson County is in violation of 15A NCAC 13B .0203 (d), .0402, and .0402 (3) for permit condition and Rule violations associated with the release of leachate and the failure to properly operate and maintain leachate controls (lower trench drains).** The above deficiencies may have or can compromise the facility's ability to ensure protection of the public health and the environment and are in violation of permit conditions. Remedial action is required on behalf of the facility in order to achieve compliance. By July 1, 2013 the facility must complete the following corrective actions:

- a) **Immediately restrict all leachate from reaching on-site surface water drains** (which may additionally include repair of the leachate collection system in order to meet original design intent); and
- b) Submit a Plan to the Section for review and approval that details maintenance and cleanout schedules, tracking, or documentation of maintenance of the leachate collection system, and/or re-structuring of on-site flow in order to restrict all leachate from reaching surface water drains and impervious surfaces; and
- c) Submit a Plan to the Section for review and approval that details contingency plans for leaking trailers; and
- d) Submit a Plan for review approval to the Section that details a proposed soil and surface water assessment for the regions potentially impacted by the clogged trench drains associated with the lower transfer bays and associated storm drains located outside the two lower loading bays; and
- e) Upon completion of the corrective action(s) please notify me at (828) 296-4700.

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Plans for items (b) and (c) should be submitted for approval to:

Larry Frost  
NCDENR Solid Waste Section  
2090 US Highway 70  
Swannanoa, NC 28778

Plan for item (d) should be submitted for approval to:

Jackie Drummond  
NCDENR Solid Waste Section  
1646 Mail Service Center  
Raleigh, NC 27699-1646

Please note that Plans associated with the operations and maintenance of the facility (b and c above) should be incorporated into the next Operations Plan modification/update along with other proposed changes. Permit modification requests, if required, should be sent to Larry Frost, permit engineer ([larry.frost@ncdenr.gov](mailto:larry.frost@ncdenr.gov) or 828-296-4704).

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. On site on May 6, 2013 and May 10, 2013 for comprehensive site inspection, document review, technical assistance regarding Yard Waste management, and to discuss observations from the May 6, 2013 inspection.
2. During the May 6, 2013 site inspection the transfer station was in operation. The region had recently received heavy rainfall and specific areas of concern were identified at that time (see map below).



Aerial GoogleMap - there have been changes to the traffic pattern that this photo does not represent, specifically in region #1.

- a. Trucks: During the inspection three loaded transfer trailers were parked over the existing leachate containment drain system. Trailers were leaking from the rear seals but the leachate was captured at the wastewater collection points.

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5/6/13



5/6/13

KR Drenth trucks T-322 and T-347 were leaking from the undercarriage of the transfer trailers onto the gravel/soil surface (not paved). Surface water is located to the right of this region (down grassed slope). No visible leachate was observed flowing off the gravel lot at the time of the inspection. Mr. Wiggins stated that the facility notifies KR Drenth of leaking trucks and keeps a log of calls. A. Keller discussed the need to control all leachate releases, whether by moving the trailers to within the leachate capture/collection system or by developing a method to catch any leachate/leaks from the trucks (troughs, buckets, etc.).

- b. Area 1: No flow was observed at the time of the inspection. However, a stained path was observed leading from the transfer station bay to a surface water drainage ditch (leading to a sed basin) – the drainage channel contained some solid wastes (see photo below). This area of concern was discussed in detail on May 10, 2013 with Mr. Wiggins and Ms. Berry. All leachate must be contained within the approved leachate collection system, all water that comes in contact with waste is considered leachate, and all windblown wastes should be collected at the end of each working day.



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- c. Area 2: The drain located outside of the leachate collection trench drain has been a continuous area of concern. The facility determined (through investigation and document review) that this drain (along with drains in Area 3 and Area 4) were not leachate collection / wastewater drains but rather stormwater drains. The leachate collection trench drain has a history of clogging and overflow. During the 5/6/13 site inspection the leachate was standing (no flow) in the drain. (see photo below), but overflow was not observed.

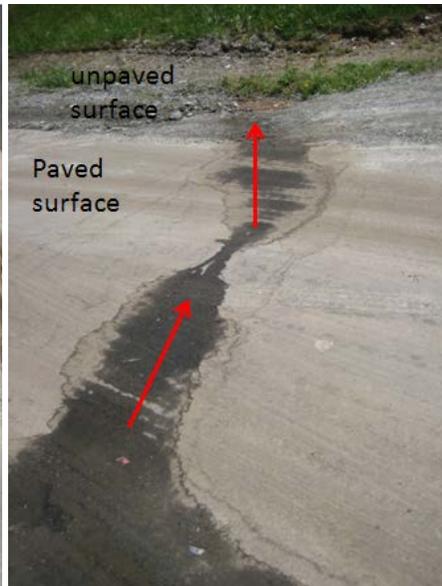


The recently identified surface water drain has exhibited solid waste impacts from possible overflow from the trench drain / loading bay during previous inspections.



4/3/12

- d. Area 3: Recently (~February 2012, per N. Berry) identified stormwater drain, located in gravel/soils, appeared to have direct leachate impacts (see photos below) from the overflow from the second loading bay trench drain.



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- e. Area 4: Loading bay trench drain was not functional (overflow) had visible impact on stormwater drain located in soils/gravel (see photos below).



3. Regarding the impacts noted above, the Facility had a capital improvement plan to address these issues, slated for construction around 2015. It was discussed that this timeframe was not adequate in addressing current impacts and that the stormwater drains must be protected from solid wastes (particulates) and leachate in accordance with Permit conditions and Rules. Options were discussed within the Section and with the facility representatives, and the facility was informed that all changes should be submitted to Larry Frost, permit engineer with the Section, for approval prior to any major changes to the current design.
4. The facility has continued to stop loads, educate, and turn away uncovered loads at the scalehouse. At the residential loading bay, several items were noted (a scrap tire and several televisions) as being partly covered by later loads of waste – these items are considered banned wastes and should be screened/removed from the waste stream when feasible (noted on 5/6). During review of waste screening records on 5/10 it was noted that between 1/2/13 – 4/29/13 no banned wastes were observed in any of the screened loads. It is recommended that the facility both adequately staff the transfer bays such that incoming loads are monitored, and that the staff be educated to understand that the waste screening process is expected to catch a certain amount of incidental banned wastes and that **these wastes should be noted on the waste screening report and when possible, the material should be removed for proper management and disposal** (electronics, tires, pallets, segregated recyclable materials, etc.).
5. The Small Type I grinding/yard waste area was inspected (5/6/13). Significant work had been done by the facility to control incoming materials (yard waste was segregated from the land clearing debris and wooden pallet collection area) and the long-term mulch pad had been scrapped/leveled and material had been removed and/or utilized at the site.

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6. The permit and operations plan were current and available for review at the time of the inspection (dated 4/12/11). Waste tonnage records were reviewed for the period from July 2012 through April 2013 – the daily average waste acceptance at the facility ranged from 218-300 tons/day. Tire records were available for review (4<sup>th</sup> quarter records reviewed) and appeared compliant. Wastes are hauled to Union Co. landfill in South Carolina.
7. Training records were reviewed:

Certification	Last name	First name	Expiration Date
TS	Banks	Harold "Wayne"	October 18, 2015
TS	Banther	Eddie	March 13, 2016
LF	Berry, PE	Natalie J.	October 2, 2015
TS	Berry, PE	Natalie J.	April 19, 2017
TS	Davidson	James	March 13, 2016
TS	Dotson	Robbie	April 19, 2014
TS	Garcia	Jose	February 9, 2016
TS	Gillespie	Earl	February 9, 2016
TS	McCombs	Cassidy D.	August 14, 2015
TS	Roberts	Joseph L.	November 13, 2015
TS	Wiggins	Gregory A.	June 22, 2015

8. Landfill gas records for the scalehouse were reviewed. G. Wiggins conducts the “functional test” at two locations (office and restroom), the structure has vents under the slab, all results were negative, and new calibration gas was on order (9/12/12, 10/22/12, 11/13/12, 2/19/13 test dates).
9. Surface Water Pollution Prevention (SWPP) plans were ongoing between Henderson Co. and the Division of Water Quality (S. Wilson) at the time of the inspection.

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



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 Andrea Keller  
 Environmental Senior Specialist  
*Regional Representative*

Phone: 828-296-4700

Mailed on: June 11, 2013	Email: <a href="mailto:nberry@hendersoncountync.org">nberry@hendersoncountync.org</a> <a href="mailto:gwiggins@hendersoncountync.org">gwiggins@hendersoncountync.org</a>	US Mail: Marcus Jones – Henderson Co. Director of Engineering  100 N. King Street Hendersonville, NC 28792	Certified No. <u>7010 1870</u> <u>0003 0875 1035</u>
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ec: Jason Watkins, Western District Supervisor – Solid Waste Section  
 Sarah Rice, Compliance Officer – Solid Waste Section  
 Steve Wyatt, County Manager – Henderson County  
 Susan Wilson, Permit Engineer – Division of Water Quality, Surface Water Protection