



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

**UNIT TYPE:**

Lined MSWLF		LCID		YW		Transfer		Compost		SLAS		<b>COUNTY:</b> Wake <b>PERMIT NO.:</b> 9228-CDLF-2001 <b>FILE TYPE:</b> COMPLIANCE
Closed MSWLF		HHW		White goods		Incin		T&P		FIRM		
CDLF	<input checked="" type="checkbox"/>	Tire T&P / Collection		Tire Monofill		Industrial Landfill		DEMO		SDTF		

**Date of Site Inspection:** November 25, 2013

**Date of Last Inspection:** February 14, 2013

**FACILITY NAME AND ADDRESS:**

Red Rock Disposal LLC/Waste Industries, Inc. C&D Landfill  
 7130 New Landfill Drive  
 Holly Springs, NC 27540

**GPS COORDINATES:** N: 35.60580 E: -78.90062

**FACILITY CONTACT NAME AND PHONE NUMBER:**

Donald Plessinger, General Manager  
 Waste Industries, Inc.  
 w. 919-557-9583, c. 919-201-1434, f. 919-557-9523  
[Donald.plessinger@wasteindustries.com](mailto:Donald.plessinger@wasteindustries.com)

**FACILITY CONTACT ADDRESS:**

Red Rock Disposal LLC/Waste Industries, Inc. C&D Landfill  
 7130 New Landfill Drive  
 Holly Springs, NC 27540

**PARTICIPANTS:**

Shawn McKee - NCDENR – Solid Waste Section (SWS)  
 Elizabeth Werner - NCDENR – Solid Waste Section (SWS)  
 Donald Plessinger, Waste Industries, Inc.  
 John Ennis, Waste Industries, Inc.

**STATUS OF PERMIT:**

Permit To Operate (PTO) issued July 3, 2008  
**A Permit to Operate Application was submitted and complete as of March 26, 2013**  
**The permit application is currently under review**

**PURPOSE OF SITE VISIT:**

Comprehensive Audit

**STATUS OF PAST NOTED VIOLATIONS:**

None

**OBSERVED VIOLATIONS:**

**15A NCAC 13B .0203(d) states:** “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.”

**General Permit Condition Number 5 states:** “By initiating construction or receiving waste at this facility the permittee shall be considered to have accepted the terms and conditions of this permit.”

# FACILITY COMPLIANCE INSPECTION REPORT

## Division of Waste Management Solid Waste Section

Page 2 of 6

### General Permit Condition Number 6 states:

“Construction and operation of this solid waste management facility must be in accordance with the Solid Waste Management Rules, 15A NCAC 13B, Article 9 of the Chapter 130A of the North Carolina General Statutes (NCGS 130A-290, et seq.), the conditions contained in this permit; and the approved plan. Should the approved plan and the rules conflict, the Solid Waste Management Rules shall take precedence unless specifically addressed by permit condition.”

**15A NCAC 13B .0542 (I) (4)** *Leachate must be contained on-site or treated prior to discharge. An NPDES permit may be required prior to the discharge of leachate to surface waters.*

**Red Rock Disposal is in violation of the above noted rules and permit conditions in that leachate was observed seeping in several locations between Edge-Of-Waste Markers 50 and 52 of the southwestern slope of the landfill, then flowing into the drainage ditch at the base of this area of the landfill. This storm water ditch drains into a sedimentation basin to the south. In order to bring this landfill into compliance:**

- 1. Immediately take the steps necessary to repair the slopes in order to stop the leachate seeps; and,**
- 2. Perform the testing specified in comment 20 below.**

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

The facility is a construction and demolition (C&D) debris landfill. The facility is permitted to receive C&D debris, inert debris, land clearing debris (LCD), and (used) asphalt from 60 of the counties in NC.

1. The facility is in operation Monday through Friday, 7:00 am – 4:00 pm. The facility is secured by locked gate. The facility has proper signage. Facility personnel are on site during operating hours.
2. The facility PTO expired July 3, 2013. The facility permit renewal application has been submitted to SWS and is currently under review.
3. The facility crushes concrete as needed.
4. The facility is prohibited from receiving for disposal (but not limited to) hazardous waste, municipal solid waste (MSW), liquid waste, industrial waste, and yard trash.
5. The Office Manager is Francine Judd, (scale house/office: 919-557- 9583).
6. The current permit approves operation of Phase 1A, 1B, 1C-1, and 1C-2. The facility is actively operating in Phase 1C-2. Phases 1A, 1B, and 1C-1 have intermediate cover.
7. The facility site plan and operations plan were verified.

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

Page 3 of 6

8. The facility is approved to accept approximately 2,000 tons a day per the facility franchise agreement. The facility maintains records of the amount of solid waste received by county and origin of loads. Mr. Ennis stated that the facility currently receives between 300 and 400 tons per day.
9. Waste screening records are kept onsite. Waste screening records were verified for October through November 22, 2013. The facility conducts waste screenings on 1 truck load per day.
10. The log showing the time, date, and placement of cover material was discussed during the inspection. **Regardless of the source of the cover material, a log should be kept showing the time, date, and placement of cover material. Per 15A NCAC 13B .0542(f)(1), "A notation of the date and time of the cover placement must be recorded in the operating record as specified in Paragraph (n) of this Rule."**
11. The following are facility certified personnel:
  - a. Donald Plessinger, Certified Landfill Manager, No. 93857, exp. 05/06/14
  - b. John Ennis, Certified Landfill Operations Specialist, No. LF-2009036, exp. 04/14/15
  - c. Francine Judd, Certified Landfill Operations Specialist, No. LF-2008081, exp. 10/03/14
  - d. Haywood J. Mills, Certified Landfill Operations Specialist, No. LF-2013035, exp. 5/9/16
12. The facility maintains semiannual groundwater and surface water monitoring records. Records for sampling events conducted on April 1, 2013 and September 25, 2013 were verified. 2L groundwater standards exceedance is consistent with previous reports.
13. **Two monitoring wells are in need of maintenance: MW-4 needs an identification label and MW-2T is in need of repair to the cap of the protective casing (it appears to have been hit by machinery).**
14. The facility conducts methane monitoring. Methane monitoring records were verified for first, second and third quarter 2013 samplings. No exceedances noted.
15. The working face was larger than ½ acre at the time of the inspection. **C&DLF units must cover the solid waste with six inches of earthen material when the waste disposal area exceeds one-half acre and at least once weekly. Cover must be placed at more frequent intervals if necessary to control disease vectors, fires, odors, blowing litter, and scavenging.** No unpermitted waste was noted.



Working face from the west



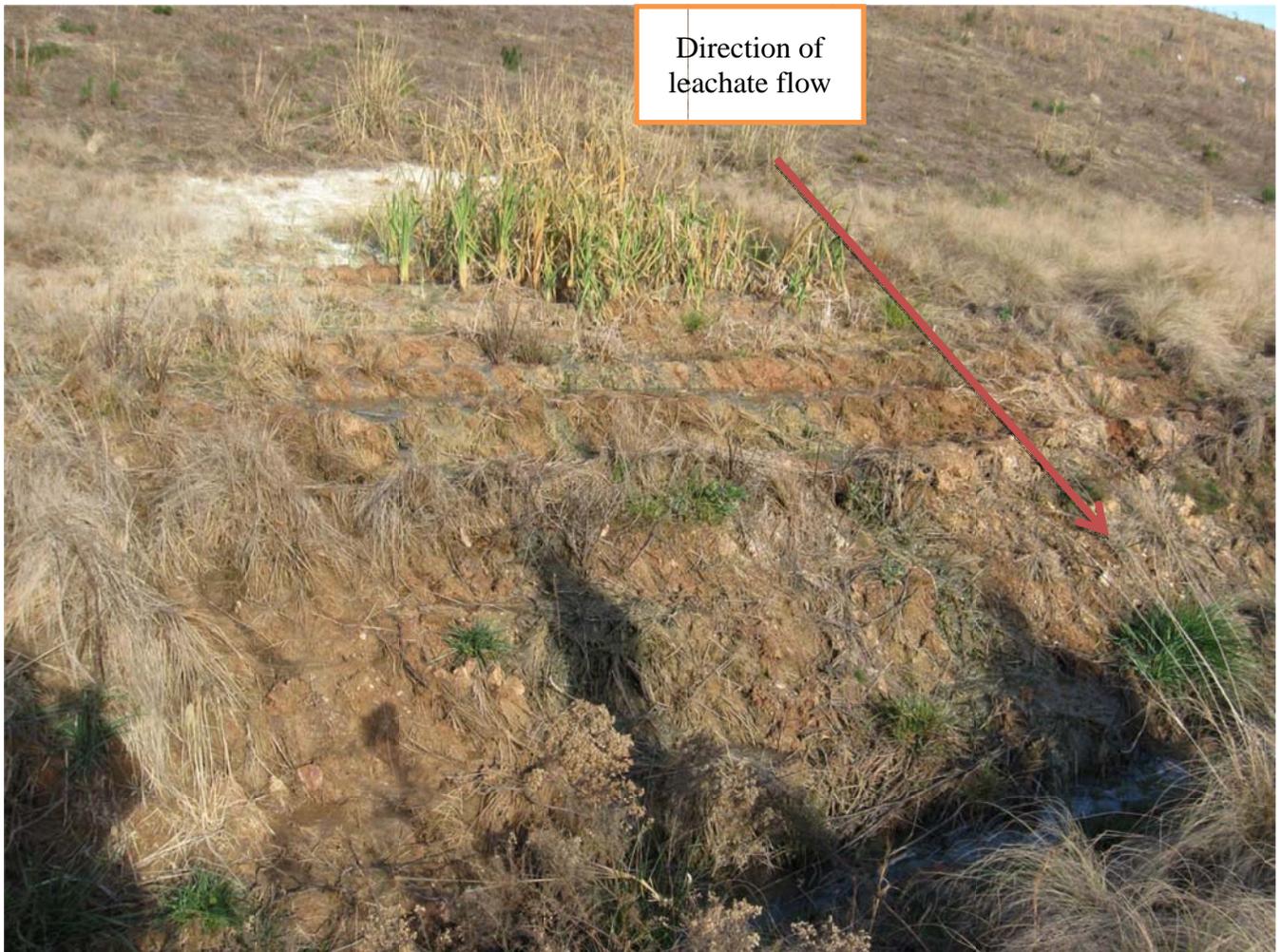
Working face from the east

16. Edge of waste is marked by white 4"x4" wooden posts installed ~ every 50 feet. These are numbered and well maintained.

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

Page 4 of 6

17. Windblown material was observed along the perimeter road from the previous day's wind. Temporary workers were scheduled to be employed the following day to pick up materials that had been blown off the working face.
18. The facility has a water truck to control dust as needed. It is not used during times in which temperatures are below freezing.
19. The landfill cap is covered with native grasses and is mowed as needed. Mowing occurred approximately two months ago. The cover was in good condition at the time of the inspection. A few small bald spots were observed.
20. **Leachate was observed seeping in several locations between Edge-Of-Waste Markers 50 and 52 of the southwestern slope of the landfill, then flowing into the storm water ditch at the base of this section of the landfill. This storm water ditch drains into an outfall which connects to a pipe which flows under the perimeter road to a sediment basin to the south. Liquid was observed in the storm water ditch and flowing into the sediment basin.**



Leachate seep

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

Page 5 of 6



Leachate seep

**Remove the leachate contaminated soil from below the footprint and the storm water drainage ditch. This soil can be placed on the top of the landfill. Sample the soil and surface water according to the method listed below:**

- **Submit a sampling plan for Solid Waste Section review within 45 days** and approval prior to conducting the sampling activities. Submit plan to Jaclynne Drummond, 1646 Mail Service Center, Raleigh, NC 27699-1664.
- The sampling plan should include sampling methodology and a figure depicting the sampling locations.
- A summary report (in electronic format) containing the results of the assessment should be submitted to the Solid Waste Section within 30 days of receiving the analytical results from the NC certified laboratory.

Soil Sampling

- Guidelines for soil sampling are located at:  
[http://portal.ncdenr.org/c/document\\_library/get\\_file?uuid=d28d4f91-4b6d-4c9dafd9-47c9ee93615f&groupId=38361](http://portal.ncdenr.org/c/document_library/get_file?uuid=d28d4f91-4b6d-4c9dafd9-47c9ee93615f&groupId=38361).
- Conduct subsurface soil sampling to evaluate the extent of the potential environmental impacts from the release(s) at the facility. Discrete soil samples should be collected between one to two feet below ground surface. Composite soil samples will not be accepted. A background subsurface soil sample should also be collected.
- Analyze subsurface soil samples for the Appendix I of 40 CFR Part 258 list of constituents consisting of both VOCs and metals. Please also analyze for pH.
- The results should be compared to the Preliminary Soil Remediation Goal Table. Both the health based and the protection of groundwater soil goals must be met. The table is located at  
[http://portal.ncdenr.org/c/document\\_library/get\\_file?uuid=5539ecfb-739f-4345-9459-b514508135f1&groupId=38361](http://portal.ncdenr.org/c/document_library/get_file?uuid=5539ecfb-739f-4345-9459-b514508135f1&groupId=38361).

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

Page 6 of 6

Surface Water Sampling

- Guidelines for surface water sampling are located at [http://portal.ncdenr.org/c/document\\_library/get\\_file?uuid=d28d4f91-4b6d-4c9d-afd9-47c9ee93615f&groupId=38361](http://portal.ncdenr.org/c/document_library/get_file?uuid=d28d4f91-4b6d-4c9d-afd9-47c9ee93615f&groupId=38361).
- Conduct surface water sampling to evaluate the extent of the potential environmental impacts from the release(s) at the facility. A background surface water sample should also be collected.
- Analyze surface water samples for the Appendix I of 40 CFR Part 258 list of constituents consisting of both VOCs and metals. Please also analyze for the field parameters pH, specific conductance, ORP, dissolved oxygen, and turbidity.
- The results should be compared to the 2B Surface Water Standards.

**Corrective actions are needed as a result of this inspection.**

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



Shawn McKee  
 Environmental Senior Specialist  
*Regional Representative*

Phone: 919-707-8284

Sent on: December 5, 2013		Email: X		Hand Delivery		US Mail: X		Certified No. [7006 0100 0000 8344 4564]
------------------------------	--	-------------	--	---------------	--	---------------	--	---

- cc: Michael Scott, Chief - Solid Waste Section  
 Dennis Shackelford, Eastern District Supervisor – Solid Waste Section  
 Ellen Lorscheider, Programs and Planning Branch Head  
 Elizabeth Werner, Permitting Hydrogeologist - Solid Waste Section  
 Jaclynne Drummond, Compliance Hydrogeologist - Solid Waste Section  
 Jessica Montie, Compliance Officer – Solid Waste Section