FACILITY COMPLIANCE INSPECTION REPORT
Division of Waste Management
Solid Waste Section

UNIT TYPE:											
Lined MSWLF		LCID		YW	X	Transfer		Compost		SLAS	
Closed MSWLF		HHW		White goods	X	Incin		T&P		FIRM	
CDLF	X	Tire T&P / Collection	X	Tire Monofill		Industrial Landfill		DEMO		SDTF	

COUNTY: Martin
PERMIT NO.: 59-01
FILE TYPE: COMPLIANCE

Date of Site Inspection: July 16, 2013 **Date of Last Inspection:** June 21, 2012

FACILITY NAME AND ADDRESS:
Martin County C&DLF
1445 Landfill Rd.
Williamston, North Carolina 27892

GPS COORDINATES: N: 35.86476 E: 77.09524

FACILITY CONTACT NAME AND PHONE NUMBER:
Name: Maurice Robinson
Telephone: 252 792 1240 cell 252 799 7170
Email address: mrobinson@martincountyncgov.com
Fax: 252 792 7477

FACILITY CONTACT ADDRESS:
SAME

PARTICIPANTS:
Ben Barnes, NCDENR. Solid Waste
Maurice Robinson, Landfill Manager
David Bone, Martin Co. Manager

STATUS OF PERMIT:
Active, the Permit to Operate was issued on August 6, 2012 and is set to expire December 19, 2016. No later than July 19, 2016 Martin Co. must submit to the Section documents for a permit amendment. This approves a modified facility plan that increases the slopes to 3, 1adds one acre to the boundary and is for Fill Sequences 1.

PURPOSE OF SITE VISIT:
Comprehensive Audit

STATUS OF PAST NOTED VIOLATIONS:
NONE

OBSERVED VIOLATIONS:
15A NCAC 13B .0542 OPERATION PLAN AND REQUIREMENTS FOR C&DLF FACILITIES:
(f) Cover material requirements. (1) Except as provided in Subparagraph (3) of this Paragraph, the owners and operators of all 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. 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. **The Martin Count C&D Landfill is in violation of this rule in that an area exceeding one half acre in size has been left uncovered. This situation was noted in the previous inspection.** In order to be in compliance, within 30 days of the receipt of this Notice of Violation cover all exposed waste with 6 inches of suitable fill material leaving only a small area as the working face.

(g) Spreading and compacting requirements. (1) C&DLF units must restrict solid waste into the smallest area feasible. **The Martin County C&D Landfill is in violation of this rule in that an area exceeding one acre in size has been left uncovered. This situation was noted in the previous inspection.** In order to be in compliance, within 30 days of the receipt of this Notice of Violation cover all exposed waste with 6 inches of suitable fill material leaving only a small area as the working face.

(l) Drainage control and water protection requirements. (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. **The Martin County C&D Landfill is in violation of this rule in that leachate was observed breaking out along a roughly 100 foot section of the southern slope of the landfill, then flowing into the drainage swale the base of this area of the landfill. This swale drains into a sedimentation basin.** In order to bring this landfill into compliance immediately take whatever steps necessary repair and plug the leachate breakouts and perform the testing specified in item 21 below.

15A NCAC 13B .0544 MONITORING PLANS AND REQUIREMENTS FOR C&DLF FACILITIES: (d) Gas control plan. (B) concentration of methane gas or other explosive gases does not exceed the lower explosive limit for methane or other explosive gases at the facility property boundary. **The Martin County C&D Landfill is in violation of this rule in that methane is only being monitored once per year rather than the required quarterly.** In order to bring the landfill into compliance immediately initiate a program of quarterly methane monitoring.

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) The Permit and Operations Plan were on site and available for review and were reviewed. The operator has set up a drawer for SWS files.
2) The hours of operation are 8AM-4:30PM, MF and 8AM to 12PM Saturday.
3) The service area is Martin Co.
4) The average amount of waste received at the facility is 9 Tons per Day.
5) Scrap tires are being stored in closed trailers and are generally being managed well.
6) The certified operators are: Maurice Robinson, expires 12/19/15; Johnny Rascoe, expires 12/6/15; Ronald Brownfield, expires 10/19/13.
7) CFC containing white goods are being separated from the non CFC containing white goods, stacked neatly and numbered. FOSS Recycling is collecting the white goods and is providing records of CFC removal.
8) Waste Screening records are good and detailed. Two loads are inspected approximately every 3 days.
9) The latest Financial Assurance letter was submitted to the Division on January 12, 2011. The total amount to be assured was $1,437,838.
10) The last GW monitoring event was in June 2013. MW 1,2,3,4, SW-3, CDWR2,3,2R,5,6 and CDWS2 are being monitored and conducted by Environment 1. The GW Monitoring Wells were locked as required.
11) The edge of waste markers are in place and acceptable.
12) Signage is according to the permit. Robinson indicated that the sign will be repainted soon due to age and some vandal damage.
13) Pesticide containers are being wrapped in plastic and labeled to identity the generator.
14) Electronics are being stored under a shelter and are being collected by Medteck
15) A non-potable water well is located approximately 180 feet from the closed MSWLF.
16) A cover log is being kept the last documented cover was 7/8/2013.
17) A Methane Monitoring Plan is included in the new permit. The plan needs to be implemented as required. Monitoring wells were installed in August 2012.
18) Waste from the Equestrian Center must be stockpiled and composted before being utilized.
19) **Slopes of the closed area adjacent to the C&DLF need mowing, woody vegetation was observed**.

20) The drainage area at the base of the landfill needs to be reworked so that runoff is transported to the sedimentation basin.
21) Remove the leachate contaminated soil from below the footprint and the swale. This soil can be placed on the top of the landfill. Sample the soil and leachate according to the method listed below:

- Submit a sampling plan for Solid Waste Section review and approval prior to conducting the sampling activities. Submit plan to Ben Barnes P.O. Box 23, Elm City, North Carolina 27822.
- 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-4c9d-afd9-47c9ee93615f&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.

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.
- 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.

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

Ben Barnes

Ben Barnes
Environmental Senior Specialist
Regional Representative

Phone: 252 236 4453 email: ben.barnes@ncdenr.gov

Sent on: July 18, 2013		Email		Hand delivery		US Mail	X	Certified No. *7010 1060 0001 5994 8340*

Copies: Dennis Shackelford, Eastern District Supervisor
Jessica Montie, Compliance Officer
David Bone, Martin County Manager, P.O. Box 668, Williamston, NC 27892

Much of the top of the landfill lacks sufficient cover.

Southern slope showing leachate break outs in several areas

Leachate breakouts on the southern slope of the landfill

Leachate breakouts along the southern slope of the landfill

Area of the drainage swale