



FACILITY COMPLIANCE INSPECTION REPORT
Division of Waste Management
Solid Waste Section

UNIT TYPE:										
Lined MSWLF		NLCID		YWN		Transfer		Compost	SLAS	COUNTY: HAYWOOD PERMIT NO.: 4403-MSWLF-1982 FILE TYPE: COMPLIANCE
Closed MSWLF	X	HHW		White goods		Incineration		T&P	FIRM	
CDFL		Tire T&P / Collection		Tire Monofill		Closed Industrial Landfill		DEMO	SDTF	

Date of Site Inspection: 1/16/2015

Date of Last Inspection Report: 1/16/2014

FACILITY NAME AND ADDRESS:

Haywood County Francis Farm Landfill
Francis Farm Road
Waynesville, NC

GPS COORDINATES: N: 35.50298 E: -82.95964

FACILITY CONTACT NAME AND PHONE NUMBER:

Name: Stephen King,
Title: Haywood County Solid Waste Director
Telephone: (828) 627-8042
Email address: SKing@haywoodnc.net

FACILITY CONTACT ADDRESS:

Stephen King, Director
Haywood County Solid Waste Department
278 Recycle Drive
Clyde, N. C. 28721

PARTICIPANTS:

Andrea Keller – NCDENR Solid Waste Section
Stephen King and Randy Siske – Haywood Co. Solid Waste

STATUS OF PERMIT:

Closure Permit dated December 13, 1995
Modification to Closure Permit dated May 23, 2006
LFGTE – Construction Approval granted March 17, 2010

PURPOSE OF SITE VISIT: Comprehensive site inspection

STATUS OF PAST NOTED VIOLATIONS:

The following violations are ONGOING for the facility due to the continued exceedance of landfill gas (LFG) at the facility property boundary. The facility has entered into mitigation through the use of a LFG extraction system, flare and/or gas-to-energy generator system. The data collection, monitoring of LFG, and evaluation of the mitigation plan is ongoing at this time.

15A NCAC 13B .0203(d) for failure to comply with conditions of their permit. [Regarding closure language for methane gas remediation and the requirement for property boundary LFG levels].

15A NCAC 13B .0503 (2)(a)(ii) for the exceedance of the lower explosive limit for the gases at the property boundary.

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.

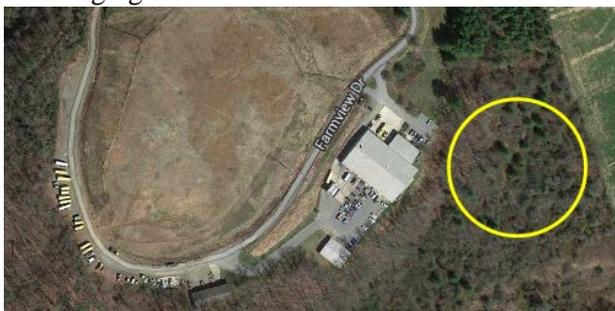
ADDITIONAL COMMENTS

1. On site to conduct comprehensive facility inspection of the closed Francis Farm MSW landfill with Mr. Stephen King and Mr. Randy Siske. The facility is currently actively remediating for both groundwater and landfill gas issues. The proposed expansion of the compliance boundary (acorage) and future cap upgrade was underway at the time of the inspection. Soil from regional NCDOT road construction was being stockpiled at the property (NHM contractor, DOT oversight – with respect to erosion control measures).



1/16/15

Soil staging area



GoogleMaps

General location of the soil staging area with respect to the landfill and school maintenance building

2. The Section was notified on January 14, 2015, that a methane monitoring device indicator was triggered at one of the site structures (bus garage) the previous day. The County had already responded to the incident in accordance with the approved LFG Plan and Section requirements. It appeared as though the device may have triggered due to vehicle activity/maintenance inside the garage structure. The 25% LEL limit was not reached, the alarm functioned as designed, and the ventilation system under the building was checked and was operational. The County will be submitting an incident response report to the Section. Landfill gas data
3. Environmental monitoring records were available and reviewed at the time of the inspection. It was recommended that all methane readings be notated with units (ex. % Vol vs. %LEL). The facility continues to exceed %LEL limits at perimeter wells, as noted in the Observed Violations section above. However, they are under an approved remediation plan and are currently implementing significant changes/modifications to the site to address this issue. Groundwater records for the 12/16/2014 event were available (records are under review with Section hydrogeologist Elizabeth Werner) and monthly LFG records are on file with the Section.

Thirteen methane monitoring wells (MM) are sampled during the monthly events along with five structures and one groundwater well (MW-12). Methane wells that continue to exceed 100% LEL limits are: MM-1, MM-2, MM-3, MM-4, MM-6, MM-11 and MM-12.

Site wells inspected during this visit: MM-7, MM-8, MW-25, MW-4, MW-5, MM-9, MW-12, MM-10, MW-13, MM-11, MW-14D/14, MM-12, MM-13, MW-15, MW-1A, MM-1, MW-1, MW-2, MW-3, MW-2A, MM-4, MW-9, MM-5, MW-3A, MM-6. Several wells are located in adjacent fields/properties and were not inspected during this particular site visit.

- The landfill cap was in good vegetative condition. Ongoing repairs to establish vegetation and manage settlement were visible. Erosion and sedimentation controls appeared maintained and in good condition. Significant work had been conducted to direct surface water off the cap of the closed landfill cell including a new drainage channel (below right).



1/16/15

- The landfill edge-of-waste (EOW) markers were in place. The LFG extraction system/flare was active at the time of the inspection (generator was under repair). The groundwater pump-and-treat activities were ongoing (facility estimated that approximately 10,000 gallons were generated/pumped for every inch of rainfall).
- In general, the site was well maintained and actively managed. Possible upgrades of the continuous methane monitoring system were discussed along with planned remedial activities for the site. Please continue

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

Phone: (828) 296-4700

Environmental Senior Specialist
Regional Representative

Sent on: January 28, 2015	Email: SKing@haywoodnc.net	US Mail:
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cc: Deb Aja, Solid Waste Section – Western District Supervisor
Sarah Rice, SWS Compliance Officer