



FACILITY COMPLIANCE INSPECTION REPORT
Division of Waste Management
Solid Waste Section

UNIT TYPE:										
Lined MSWLF		LCID		YW		Transfer		Compost	SLAS	COUNTY: Forsyth PERMIT NO.: 34-04 FILE TYPE: COMPLIANCE
Closed MSWLF	X	HHW		White goods		Incineration		T&P	FIRM	
CDLF		Tire T&P / Collection		Tire Monofill		Industrial Landfill		DEMO	SDTF	

Date of Site Inspection: April 25, 2012

Date of Last Inspection: March 12, 2009

FACILITY NAME AND ADDRESS:

Town of Kernersville-Landfill
 7385 Freeman Road
 Kernersville, North Carolina 27284

GPS COORDINATES: **N:** 36.19829 **W:** 80.04842

FACILITY CONTACT NAME AND PHONE NUMBER:

Name: Thad Buck, Solid Waste Superintendent
 Telephone: (336) 399-2927
 Email address: tbuck@toknc.com

FACILITY CONTACT ADDRESS:

Post Office Box 728
 Kernersville, North Carolina 27285

PARTICIPANTS:

Charles Gerstell, NCDENR-Solid Waste Section

STATUS OF PERMIT:

Facility was issued a Closure Letter on December 10, 1991.

PURPOSE OF SITE VISIT:

Post Closure Inspection

STATUS OF PAST NOTED VIOLATIONS:

N/A

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OBSERVED VIOLATIONS

15A North Carolina Administrative Code 13B .0510(c) states: *When a solid waste disposal site has been closed in accordance with the requirements of the Division, future necessary maintenance and water quality monitoring shall be the responsibility of the owner and operator and shall be specified in the closure letter.*

- Under the section labeled “Closure Conditions” of the Closure Letter dated December 10, 1991, it is stated: *All disposal sites, either operating or closed, are subject to the **explosive gas requirements of Section .0503(2)(a)**, the surface water requirements of Section .0503(2)(c), and the ground-water requirements of Section .0503(2)(d).*
- .0503(2)(a) states: *A site shall meet the following design requirements:*
 - a. The concentration of explosive gases generated by the site shall not exceed
 - i. twenty-five percent of the limit for the gases in site structures (excluding gas control or recovery system components); and
 - ii. the lower explosive limit for the gases at the property boundary;

There are no records showing that methane monitoring has been conducted at the closed landfill as required in the closure letter.

Therefore, within 90-days of receipt of his report, a landfill gas monitoring plan must be developed and submitted to the Section for approval. The landfill gas monitoring plan should satisfy all conditions of Rule 15A NCAC 13B .0503(2)(a)(i) and (ii). Please submit copies of the monitoring plan to:

Brian Wooten, Hydrogeologist
Division of Waste Management, Solid Waste Section
1646 Mail Service Center, Raleigh, North Carolina 27699-1646

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. A gate was provided at the entrance to the facility to prevent unauthorized access.
2. The access road leading to the landfill was of all weather construction and well maintained.
3. No sign was observed at the entrance to the facility indicating the facility’s permit number and contact information. Please ensure that a sign is posted as requested on the previous inspection report.
4. A small area of ponding was observed at the southwest corner of the highest lift of the landfill. This area should be repaired to prevent future ponding and stabilized with a groundcover sufficient to restrain erosion.

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5. Large areas of bare vegetation were observed on the south side of the highest lift. This could be an indication of water ponding in these areas during rain events. These bare areas should be stabilized with a permanent groundcover and monitored to ensure that vegetation remains established.



6. A large area of dead vegetation and standing water was observed at the southeast corner of the landfill within a swale leading to a slope drain. It appeared that water was no longer entering the pipe allowing water to pond within the swale. This area should be repaired and stabilized with a permanent groundcover. Please ensure that positive drainage is established to the pipe.



7. Severe ponding was observed within the ditchline located along the east and south sides of the landfill. Action must be taken to prevent future ponding.



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- 8. No permanent edge-of-waste markers were observed on site. **Within 60-days of receipt of this report, please provide permanent markers that accurately delineate the limits of waste. (See the attached May 29, 2009 Memo: "Permanent Edge-of-Waste Markers at Construction and Demolition Debris Landfills, Industrial Solid Waste Landfills and Municipal Solid Waste Landfills.")**
- 9. The slopes of the landfill could not be thoroughly inspected due to the establishment of dense trees and brush. This condition can lead to a significant risk of the landfill cap becoming compromised by up-rooted trees and plants, resulting in increased water filtration. The presence of trees, woody plants and other excessive vegetation can also limit, if not prevent, the inspection of the landfill for possible problems such as leachate seeps, generation of landfill gases, erosion of the cap and movement of sediment off the site.

Therefore, it is recommended that the Town of Kernersville develop a Corrective Action Plan to address the trees and woody vegetation on the landfill. This plan should include a schedule and plan for removal of brush and woody undergrowth, removal of dead and diseased trees, removal of remaining trees, stump removal and subsequent localized reconstruction of the cap, re-vegetation in compliance with applicable Rule(s), periodic visual inspection of the landfill cap, maintenance and mowing and investigation and documentation of any damage to the cap. The landfill will be reevaluated in the fall or winter of 2012 by which time a plan may become mandatory.



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

Charles T. Gerstell

Charles T. Gerstell
 Environmental Senior Specialist
Regional Representative

Phone: (704) 235-2144

Sent on: <u>5/23/12</u>		Email		Hand delivery	X	US Mail (with NOD)		Certified No. []
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Copies: Mark Poindexter, Branch Head
 Jason Watkins, Western District Supervisor
 Jessica Montie, Compliance Office
 Brian Wooten, Hydrogeologist
 Curtis L. Swisher, Kernersville Town Manager