



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

<b>UNIT TYPE:</b>											
Lined MSWLF		LCID		YW		Transfer		Compost		SLAS	<b>COUNTY: Lincoln</b> <b>PERMIT NO.: 55-04</b> <b>FILE TYPE: COMPLIANCE</b>
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:** May 17, 2013      **Date of Last Inspection:** October 24, 2011

**FACILITY NAME AND ADDRESS:**

Lake Norman Landfill, Inc.  
 7099 Quarry Lane  
 Stanley, NC 28164

**GPS COORDINATES:**    N: 35.43310°    E: -81.01368°

**FACILITY CONTACT NAME AND PHONE NUMBER:**

Lake Norman Landfill, Inc. – Owner	CT Corporation – Registered Agent
7099 Quarry Lane Stanley, NC 28164	150 Fayetteville St., P.O. Box 1011 Raleigh, NC 27601
Jeffery Geiss - Site Manager	
Phone: (704) 822-3033	
Email: jgeiss@republicservices.com	

**FACILITY CONTACT ADDRESS:**

Same as above.

**PARTICIPANTS:**

Jeffery Geiss, Site Manager – Lake Norman Landfill  
 Bill Wagner, Environmental Senior Specialist – Solid Waste Section

**STATUS OF PERMIT:** ACTIVE

The permit shall expire on April 1, 2016.

<b>Facility Permit No. 55-04</b>	<b>Issuance Date</b>	<b>Document ID No.</b>
Original Permit to Construct	August 21, 1998	13224
Original Permit to Operate	March 25, 1999	13226
Permit to Operate – Modification	November 21, 2000	13227
Permit to Operate – Modification	April 23, 2002	13228
Permit to Operate – Modification	May 31, 2002	13229
Permit to Operate – Modification	March 31, 2005	13230
Permit to Construct – Amendment	August 30, 2005	13231
Permit to Operate – Modification	October 12, 2005	13232
Permit to Operate – Modification	June 28, 2007	2593
Permit to Operate – Amendment	April 1, 2011	13233

FACILITY COMPLIANCE INSPECTION REPORT  
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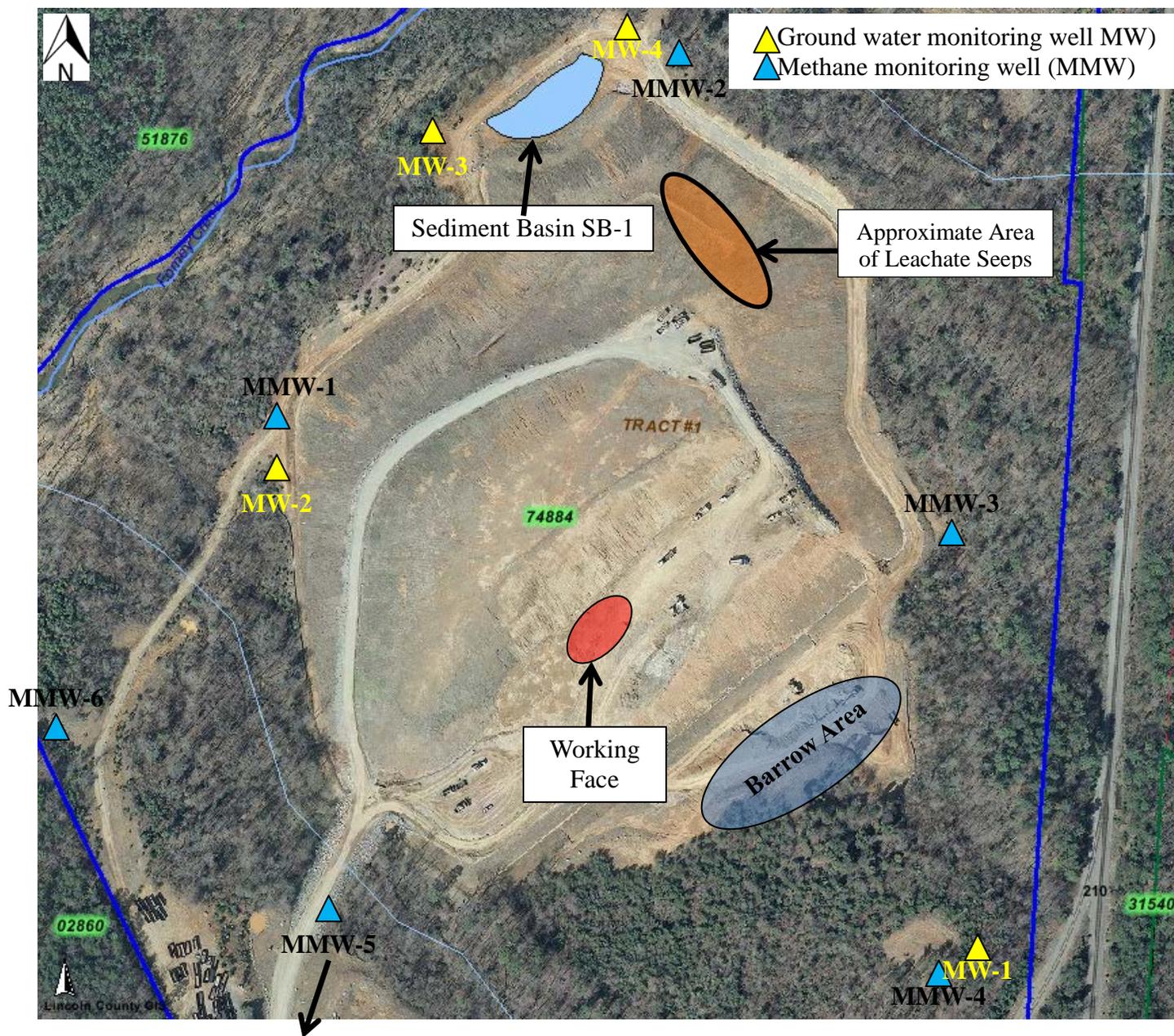


Figure 1: Lincoln Co. GIS Aerial of “Lake Norman Landfill” 55-04

**PURPOSE OF SITE VISIT:** Comprehensive Compliance Audit

**STATUS OF PAST NOTED VIOLATIONS:** N/A

**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 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.

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

Page 3 of 4

**ADDITIONAL COMMENTS**

1. The facility's operating hours are:

Monday - Friday	7AM – 4PM
Saturday	Closed

2. Staff Certifications:

Name	Certification	Expiration Date
Jeffery Geiss	Landfill Operations Manager	February 11, 2013 <sup>1</sup>
Robert "RC" Hare	Landfill Operations Specialist	March 15, 2014

<sup>1</sup> Mr. Geiss has been granted an extension on his certification until the SWANA training session on 6/04/13.

3. Copies of the current Permit to Operated and the Operations Plan are maintained on site.
4. Proper signage is displayed at the entrance the landfill.
5. The facility is permitted to accept approximately 640 tons of waste daily for a maximum total of approximately 200,000 tons per year.
6. The facility is currently accepting approximately 70 tons of waste per day.
7. The landfill was actively receiving waste during the audit. The operational area/working face was small and well maintained.
8. There are four monitoring wells in the groundwater monitoring networks (MW-1, MW-2, MW-3, and MW-4) that are sampled twice a year. Ground water samples were last collected for analysis on October 24<sup>TH</sup> and 25<sup>TH</sup>, 2012.
9. There are two surface water monitoring stations (SW-1 and SW-2). Surface water samples were last collected for analysis on April 13, 2013.
10. There are six landfill gas monitoring wells (MMW-1 through MMW-6). Landfill gas monitoring is conducted semi-annually by Landmark Environmental Systems, LLC. The most recent monitoring event occurred on May 20, 2013 when wells MMW-1 through MMW-5 were sampled. Two site buildings (scale house and the maintenance building) are also monitored semi-annually. (See table below.)

Site ID	Date/Time	CH4%	CO2%	O2%	Temp.	Baro.	Tech.	Serial #
LKNCG402	5/20/13 3:43	0	0	4	81	29.29	JC	GM05421
LKNCGAIR	5/20/13 3:44	0	0	20.5	81	29.29	JC	GM05421
LKNCG15C	5/20/13 3:45	15	15	0.3	81	29.29	JC	GM05421
LKNMMW01	5/20/13 3:46	0	2.5	18	81	29.29	JC	GM05421
LKNMMW02	5/20/13 4:10	0	9.9	10.5	81	29.3	JC	GM05421
LKNMMW03	5/20/13 4:07	0	4.7	14	81	29.35	JC	GM05421
LKNMMW04	5/20/13 4:03	0	3	17.5	81	29.36	JC	GM05421
LKNMMW05	5/20/13 4:00	0	2.1	18.4	81	29.37	JC	GM05421
LKNMMW06	5/20/13 3:56	0	0.1	20.6	81	29.35	JC	GM05421
MAINTBLD	5/20/13 4:12	0	0	20.5	81	29.3	JC	GM05421
SCALEBLD	5/20/13 4:15	0	0	20.8	81	29.28	JC	GM05421

**NOTE:** the first three rows (LKNCG402, LKNCGAIR, and LKNCG15C) are calibration records of the gas monitoring equipment.

**FACILITY COMPLIANCE INSPECTION REPORT**  
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Page 4 of 4

11. Waste screening records were reviewed. Incoming waste loads are randomly screened two to three times a week.
12. Several sections of movable fencing are used to capture and control windblown litter. There was very little windblown material observed during this inspection.
13. There edge-of-waste markers were in place at the time of the audit.
14. The landfill has been subjected to recent localized heavy rains. Stormwater is well managed by the use of diversion berms and maintaining proper slopes.
15. As a result of the recent rain events, six separate leachate seeps have developed on the northeast slopes of the landfill. Three of these seeps have already been repaired by excavating them and “turning them back into the landfill”. The remaining three seeps should be repaired within a week. No leachate move outside of the limits of the area of waste.
16. A “roll off box” is staged near the working face for the collection of scrap tires and other unacceptable wastes that the landfill staff removes from the waste stream.
17. There was very little windblown litter observed.
18. The access roads to the C&D landfill were well marked and well maintained.
19. The access road to the groundwater and landfill gas monitoring wells can become muddy near the sediment basin. Please ensure that the access road remains passable at all times.
20. No woody vegetation or trees were observed on the landfill.
21. Grass cover on the south and east slopes is well established.
22. All ground water and landfill gas monitoring wells were properly identified with “well tags” and secured with padlocks.

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

  
 Bill Wagner

Phone: 828-296-4705

Environmental Senior Specialist  
*Regional Representative*

Sent on: 5/20/2013, to CT Corporation – Registered Agent	<input checked="" type="checkbox"/>	Email		<input type="checkbox"/> Hand delivery	<input checked="" type="checkbox"/>	US Mail	<input type="checkbox"/> Certified No.
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ec: Jason Watkins, Solid Waste Section – Western District Supervisor  
 Sarah Rice, Solid Waste Section – Compliance Officer  
 Drew Isenhour, Republic Services ([isenhour@repsrvnc.com](mailto:isenhour@repsrvnc.com))  
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