NC Division of Waste Management - Solid Waste Section

Landfill Gas Monitoring Data Form

Notice: This form and any information attached to it are "Public Records" as defined in NC General Statute 132-1. As such, these documents are available for inspection and examination by any person upon request (NC General Statute 132-6).

Facility Name: Lee County Landfill Permit Number: 53-01

Date of Sampling: 8/5/2011 NC Landfill Rule (.0500 or .1600): .0500

Name and Position of Sample Collector: Joseph T. Cherry, Solid Waste Superintendent

Type and Serial Number of Gas Meter: RKI GX-2003 954010278RN Calibration Date of Gas Meter: 7/7/2011 Factory

Date and Time of Field Calibration: Due 10/5/2011

Type of Field Calibration Gas (15/15 or 35/50): _____ Expiration Date of Field Calibration Gas Canister: _____

Pump Rate of Gas Meter: T90 within 30 seconds

Ambient Air Temperature: 84.9 F Barometric Pressure: 1022.1 General Weather Conditions: Cloudy

Instructions: Under "Location or LFG Well" identify the monitoring wells or describe the location for other tests (e.g., inside buildings). A drawing showing the location of test must be attached. Report methane readings in both % LEL and % methane by volume. A reading in percent methane by volume can be converted to % LEL as follows: % methane by volume = % LEL/20

Location or LFG Well ID	Sample Tube Purge	Time AM	Time Pumped (s)	Initial %LEL	Stabilized %LEL	%CH4 by Volume	%O2	%CO2	Notes
M1	>1 min	8:41	>1 min	0	0	0	20.9	2	
M3	>1 min	8:51	>1 min	0	0	0	20.7	0	
M4	>1 min	8:57	>1 min	0	0	0	20.9	0	
M6	>1 min	9:17	>1 min	0	0	0	20.9	0	
M7	>1 min	9:12	>1 min	0	0	0	20.9	0	
M11	>1 min	9:42	>1 min	0	0	0	20.9	0	
M12	>1 min	9:47	>1 min	0	0	0	20.9	0	
M14	>1 min	10:07	>1 min	0	0	0	20.9	0	
M15	>1 min	8:20	>1 min	0	0	0	20.9	0	
M16	>1 min	8:28	>1 min	0	0	0	20.9	0	

If your facility has more gas monitoring locations than there is room on this form, please attach additional sheets listing the same information as contained on this form.

Certification

To the best of my knowledge, the information reported and statements made on this data submittal and attachments are true and correct. I am aware that there are significant penalties for making any false statement, representation, or certification including the possibility of a fine and imprisonment.

SIGNATURE

Solid Waste Superintendent
TITLE

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Location or LFG Well ID	Sample Tube Purge	Time AM	Time Pumped (s)	Initial %LEL	Stabilized %LEL	%CH4 by Volume	%O2	%CO2	Notes
M17	>1 min	8:33	>1 min	0	0	0	20.9	0	
M21	>1 min	10:13	>1 min	0	0	0	20.1	0	
M22	>1 min	10:36	>1 min	0	0	0	20.9	0	
M23	>1 min	10:25	>1 min	0	2	0.1%	17.1	0	
M25	>1 min	8:46	>1 min	0	0	0	20.9	0	
M28	>1 min	9:27	>1 min	10	0	0	18.6	0	
M31	>1 min	9:36	>1 min	0	0	0	20.9	0	
M33	>1 min	10:01	>1 min	0	0	0	20.9	0	
M36	>1 min	9:23	>1 min	100	100	>5%	2.2	10	
Sc Hse	>1 min	10:46	>1 min	0	0	0	20.9	0	

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Location or LFG Well ID	Sample Tube Purge	Time AM	Time Pumped (s)	Initial %LEL	Stabilized %LEL	%CH4 by Volume	%O2	%CO2	Notes
Att Bld	>1 min	10:18	>1 min	0	0	0	20.9	0	
Trailer	>1 min	11:02	>1 min	0	0	0	20.9	0	
Maint	>1 min	10:57	>1 min	0	0	0	20.9	0	

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SIGNATURE

Solid Waste Superintendent
TITLE

TRS Environmental
Equipment Now. Service Beyond.

1830 West Airfield Drive
DFW Airport, Texas 75261

Calibration Certificate Traceability Statement

Asset Number:	1122579
MFG/Model Number:	RXI/GX2003
Serial Number:	954010278
Description:	GAS METER
Customer:	LEE COUNTY, NORTH CAROLINA
Address:	805 S. FIFTH STREET SANFORD NC 27330 US

Customer P.O. No:	1098060EVR
Rental Agreement Number:	1432519-0
Certificate Number:	1432519011225791177

This certifies that the above product was calibrated to manufacturer's specifications using approved procedures and traceable measurement standards.

This calibration was performed by TRS-Environmental, located at 1830 West Airfield Drive DFW Airport, TX 75261.

The Quality System of TRS-Environmental is registered by UL DQS Certificate Number 10000112 to the Quality Management System Standard ISO 9001:2008.

Measurement standards are calibrated at planned intervals. Traceability is to the International System of Units (SI) through the National Institute of Standards and Technology (NIST) or other recognized National Metrology Institute (NMI), natural physical constants, consensus standards, or by ratio type measurements using self calibrating techniques. Supporting documentation relative to traceability is available for review by appointment.

This instrument was received and returned in Tolerance.

This certificate pertains to only the asset listed above and cannot be reproduced, except in full, without written approval of TRS-Environmental.

To determine the date for recalibration, the customer should use an interval that satisfies their own organization's internal quality system requirements.

Conditions of calibration are as follows:

Calibration Procedure: Manufacturer **Calibration Date:** Jul 07, 2011

Calibrated By: TOM COLLINS

Quality Assurance:

Peel Off Sticker Here --->

TRS-Environmental 800-532-3384
ID: 1122579 Date: 07/07/11
COLLINTO

Certificate Print Date: July 11, 2011

TRS Environmental
Equipment Now. Service Beyond.

1830 West Airfield Drive
DFW Airport, Texas 75261

Calibration Certificate Traceability Statement

Asset Number: 1122579
MFG/Model Number: TRS-E/REPAIR
Serial Number: 954010278
Description: REPAIR & RETURN
Customer:
Address:

Customer P.O. No:
Rental Agreement Number:
Certificate Number:

Laboratory Standards

MFG/MDL	Description	Asset	Cal. Type	Cal. Date	Due Cal
TEST GAS	5 GAS BLEND/12% OXYGEN	1090535	CNC	Oct 19, 2010	Jan 19, 2012

Peel Off Sticker Here --->

TRS-Environmental 800-532-3384
ID: 1122579 Date: 07/07/11
COLLINTO

Certificate Print Date: July 11, 2011

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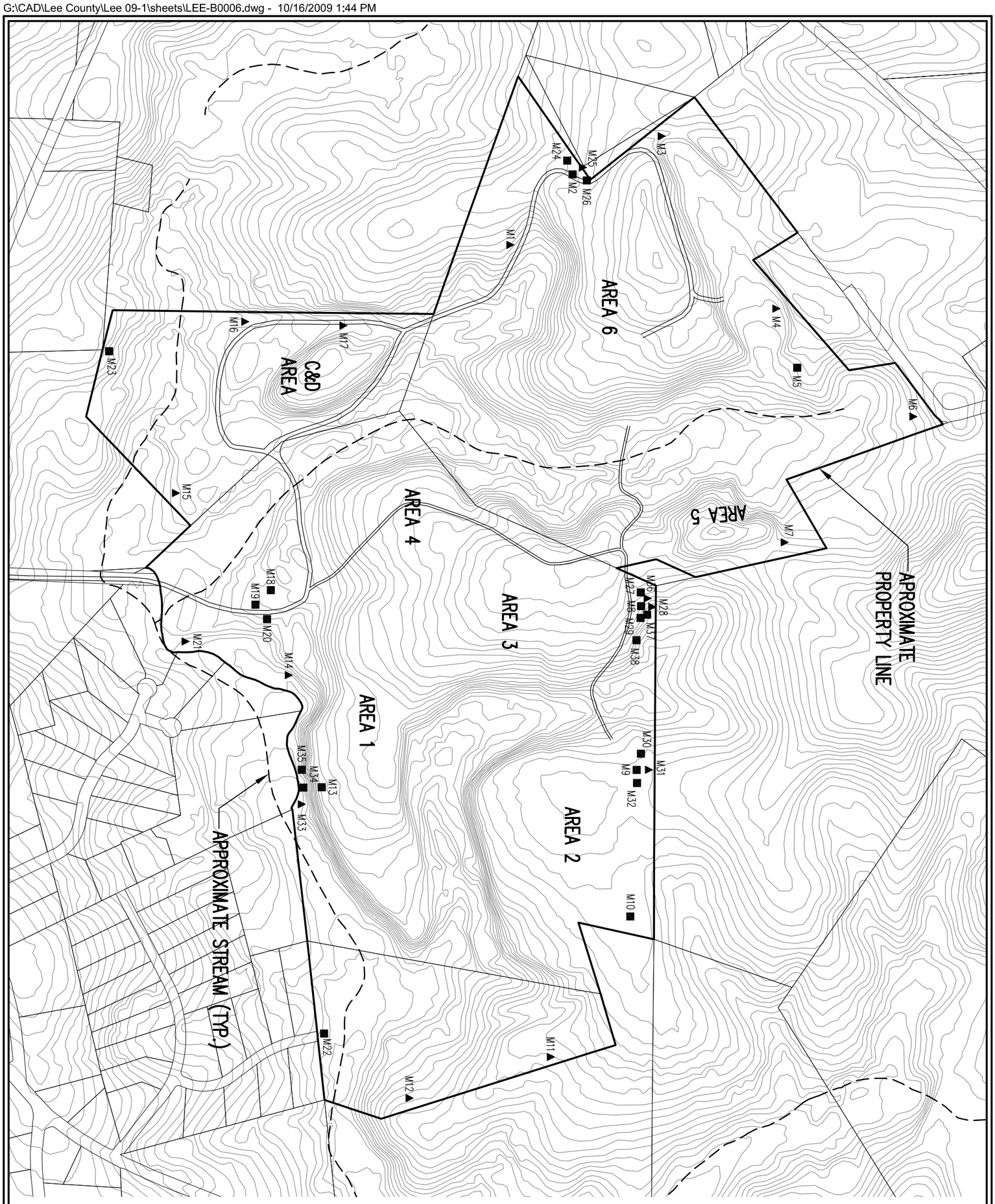

LEGEND

■ EXISTING METHANE MONITORING WELL (LOCATION APPROXIMATE)

▲ EXISTING METHANE MONITORING WELL (PROPOSED FOR FUTURE LFG MONITORING)

REFERENCES

1. TOPOGRAPHY PROVIDED BY NCDOT G.I.S. DEPARTMENT.
2. PARCEL BOUNDARIES FROM LEE COUNTY G.I.S. STRATEGIC SERVICES DEPARTMENT.
3. METHANE MONITORING WELL LOCATIONS FROM METHANE MONITORING STATUS REPORT FROM TERRAQUEST TO MS. JACLYNNE DRUMMOND OF NCDENR DATED 7/27/09.

0 500' 1000'

TITLE:	DRAWN BY:	CHECKED BY:	SCALE:	FIGURE NO.
METHANE PROBE LOCATION MAP LEE COUNTY LANDFILL SANFORD, NORTH CAROLINA	C.T.J.	J.A.S.	AS SHOWN	1
	DATE:	PROJECT NO.	FILE NAME	
	Oct. 2009	LEE 09-1	LEE-B0006	

RICHARDSON SMITH GARDNER & ASSOCIATES
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