

## 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: 3/1/12 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 Factory  
954010278RN Calibration Date of Gas Meter: 7/7/2011

Date and Time of Field Calibration: 3/1/12 8:30 am

Type of Field Calibration Gas (15/15 or 35/50): \_\_\_\_\_ Expiration Date of Field Calibration Gas Canister: 7/11/12

Pump Rate of Gas Meter: T90 within 30 seconds

Ambient Air Temperature: 64 F Barometric Pressure: 1014.2 General Weather Conditions: Sunny/Warm

**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	%CH <sub>4</sub> by Volume	%O <sub>2</sub>	%CO <sub>2</sub>	Notes
M1	>1 min	9:10	>1 min	0	0	0	20.9	0	
M3	>1 min	9:20	>1 min	0	0	0	20.5	0	
M4	>1 min	9:30	>1 min	0	0	0	20.9	0	
M6	>1 min	9:40	>1 min	0	0	0	20.1	0	
M7	>1 min	9:45	>1 min	0	0	0	18.7	0	
M11	>1 min	10:25	>1 min	0	0	0	20.9	0	
M12	>1 min	10:30	>1 min	0	0	0	20.9	0	
M14	>1 min	10:45	>1 min	0	0	0	20.9	0	
M15	>1 min	8:55	>1 min	0	0	0	20.9	0	
M16	>1 min	9:00	>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	9:05	>1 min	0	0	0	20.9	0	
M21	>1 min	11:10	>1 min	0	0	0	19.6	0	
M22	>1 min	11:15	>1 min	0	0	0	20.9	0	
M23	>1 min	11:00	>1 min	0	0	0	20.9	0	
M25	>1 min	9:15	>1 min	0	0	0	20.9	0	
M28	>1 min	10:00	>1 min	10	0	0	12.5	0	
M31	>1 min	10:15	>1 min	0	0	0	20.9	0	
M33	>1 min	10:40	>1 min	0	0	0	20.9	0	
M36	>1 min	10:05	>1 min	0	100	>5%	17.0	0	
SC Hse	>1 min	11:25	>1 min	0	0	0	20.9	0	

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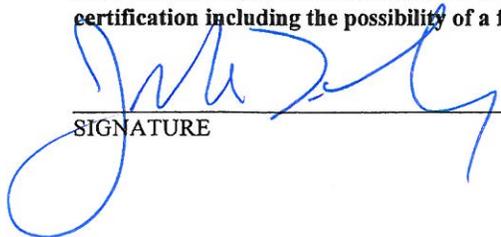
**Instructions:** Under "Location or LFG Well" identify the monitoring wells or describe the location for other tests (e.g., inside buildings). A drawing showing the location of test must be attached. Report methane readings in both % LEL and % methane by volume. A reading in percent methane by volume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

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Att Bld	>1 min	10:55	>1 min	0	0	0	20.9	0	
Trailer	>1 min	11:20	>1 min	0	0	0	20.9	0	
Maint	>1 min	8:40	>1 min	0	0	0	20.9	0	

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 \_\_\_\_\_  
 SIGNATURE

Solid Waste Superintendent  
 \_\_\_\_\_  
 TITLE





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

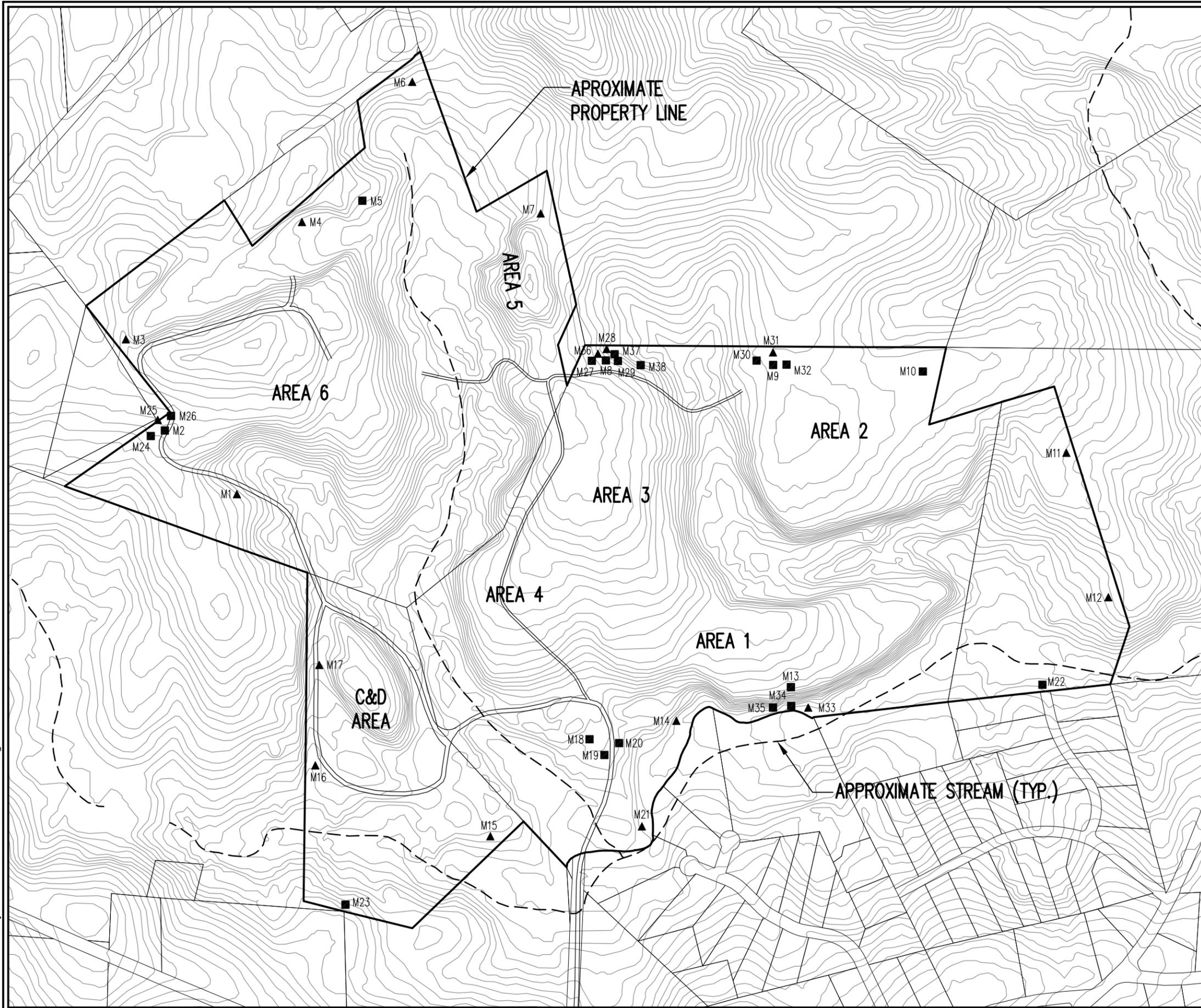
Peel Off Sticker Here --->

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

Certificate Print Date: July 11, 2011

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G:\CAD\Lee County\Lee 09-1\sheets\LEE-B0006.dwg - 10/16/2009 1:44 PM



**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.



  
**RICHARDSON SMITH GARDNER & ASSOCIATES**  
NC LIC. NO. C-0828 (Engineering)  
 www.rsgengineers.com  
14 N. Boylan Ave.  
 Raleigh, N.C. 27603  
 ph: 919-826-0577  
 fax: 919-826-3899

FIGURE NO.	1	FILE NAME	LEE-B0006
SCALE:	AS SHOWN	PROJECT NO.	LEE 09-1
CHECKED BY:	J.A.S.	DATE:	Oct. 2009
DRAWN BY:	C.T.J.		

TITLE:  
**METHANE PROBE LOCATION MAP  
 LEE COUNTY LANDFILL  
 SANFORD, NORTH CAROLINA**