DENR USE ONLY: ☐ Paper Report ☐ Electronic Data - Email CD (data loaded: Yes / No ) Doc/Event #:

NC DENR
Division of Waste Management - Solid Waste

# Environmental Monitoring Reporting 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).

## Instructions:

- **Prepare one form for each individually monitored unit.**
- **Please type or print legibly.**
- Attach a notification table with values that attain or exceed NC 2L groundwater standards or NC 2B surface water standards. The notification must include a preliminary analysis of the cause and significance of each value. (e.g. naturally occurring, off-site source, pre-existing condition, etc.).
- Attach a notification table of any groundwater or surface water values that equal or exceed the reporting limits.
- Attach a notification table of any methane gas values that attain or exceed explosive gas levels. This includes any structures on or nearby the facility (NCAC 13B .1629 (4)(a)(i).
- Send the original signed and sealed form, any tables, and Electronic Data Deliverable to: Compliance Unit, NCDENR-DWM, Solid Waste Section, 1646 Mail Service Center, Raleigh, NC 27699-1646.

## Solid Waste Monitoring Data Submittal Information

**Name of entity submitting data (laboratory, consultant, facility owner):**

Facility Owner Representative

**Contact for questions about data formatting. Include data preparer's name, telephone number and E-mail address:**

Name: Joseph Cherry Phone: (919) 718-4622 x5381

E-mail: joseph.cherry@leecountync.gov

| Facility name: | Facility Address: | Facility Permit # | NC Landfill Rule: (.0500 or .1600) | Actual sampling dates (e.g., October 20-24, 2006) |
|---|---|---|---|---|
| Lee County Closed Landfills | 331 Landfill Road<br>Lemon Springs, NC | 53-01 | .0500 | December 3, 2009 |

**Environmental Status: (Check all that apply)**

☐ Initial/Background Monitoring ☒ Detection Monitoring ☐ Assessment Monitoring ☐ Corrective Action

**Type of data submitted: (Check all that apply)**

☐ Groundwater monitoring data from monitoring wells
☐ Groundwater monitoring data from private water supply wells
☐ Leachate monitoring data
☐ Surface water monitoring data
☒ Methane gas monitoring data
☐ Corrective action data (specify) _____
☐ Other(specify) _____

**Notification attached?**

☐ No. No groundwater or surface water standards were exceeded.
☐ Yes, a notification of values exceeding a groundwater or surface water standard is attached. It includes a list of groundwater and surface water monitoring points, dates, analytical values, NC 2L groundwater standard, NC 2B surface water standard or NC Solid Waste GWPS and preliminary analysis of the cause and significance of any concentration.
☒ Yes, a notification of values exceeding an explosive methane gas limit is attached. It includes the methane monitoring points, dates, sample values and explosive methane gas limits.

## Certification

**To the best of my knowledge, the information reported and statements made on this data submittal and attachments are true and correct. Furthermore, I have attached complete notification of any sampling values meeting or exceeding groundwater standards or explosive gas levels, and a preliminary analysis of the cause and significance of concentrations exceeding groundwater standards. I am aware that there are significant penalties for making any false statement, representation, or certification including the possibility of a fine and imprisonment.**

Joseph Cherry — Solid Waste Superintendent — (919) 718-4622 x 5381

Facility Representative Name (Print) — Title — (Area Code) Telephone Number

Signature — 12/15/09 Date — Affix NC Licensed/ Professional Geologist Seal

805 South Fifth Street Sanford, NC 27330

Facility Representative Address

NC PE Firm License Number (if applicable effective May 1, 2009)

## Lee County Landfill Gas Monitoring
## Lee County Landfills

Measurement date: 12/3/09

Meter Used: RKI Model GX-2003

Meter Calibration date: 10/6/09

Meter Calibration Type: Factory or Gas (circle one)

| Gas Monitoring Locations | % LEL (5% $CH_4$ = 100% LEL) | % $O_2$ | $H_2S$ (ppm) | CO (ppm) | Is % LEL reading equal to or above 100% in probes or 25 % in structures? *, ** (circle yes or no) |
|---|---|---|---|---|---|
| M1 | 0 | | | | Y or N |
| M3 | 0 | | | | Y or N |
| M4 | 0 | | | | Y or N |
| M6 | 0 | | | | Y or N |
| M7 | 3% | | | | Y or N |
| M11 | 0 | | | | Y or N |
| M12 | 0 | | | | Y or N |
| M14 | 0 | | | | Y or N |
| M15 | 0 | | | | Y or N |
| M16 | 0 | | | | Y or N |
| M17 | 0 | | | | Y or N |
| M21 | 0 | | | | Y or N |
| M22 | 0 | | | | Y or N |
| M23 | 0 | | | | Y or N |
| M25 | 0 | | | | Y or N |
| M28 | 55% | | | | Y or N |
| M31 | 0 | | | | Y or N |
| M33 | 0 | | | | Y or N |
| M36 | 100% | | | | Y or N |
| Scalehouse | 0 | | | | Y or N |
| W.G Attendant Office | 0 | | | | Y or N |
| Mobile Trailer | 0 | | | | Y or N |
| Maintenance Office | 0 | | | | Y or N |

* If yes, contact RSG immediately and reference the Operations Plan[1].

** Notification to DWM must be provided if levels exceed limits.

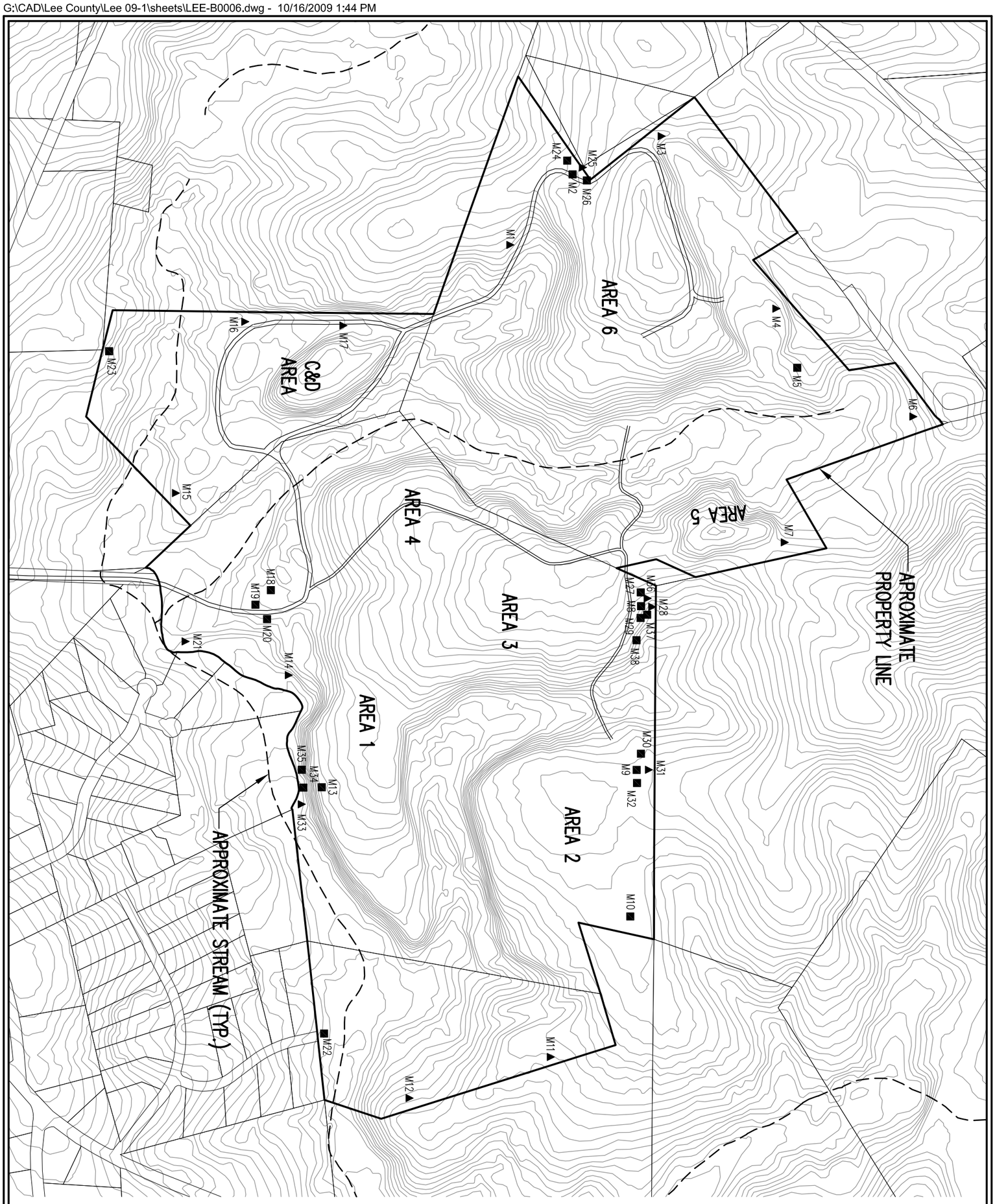
Meter LEL accuracy ± 10%

Measurements taken by: Joseph T. Cherry

Signature: [signature]

Please note that M28 is closest to the property line, while M36 is located closer to Area 3 waste unit.

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.

0 500' 1000'

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