

Periodic Methane Monitoring Report

2nd Quarter / 2025
Quarter or Month / Year

Facility Name:	Eagle Point Landfill	Date(s) of Monitoring:	4/3/2025
Facility Permit #'s:		Monitoring Conducted by:	EM Services
Permit #'s (cont):	058-012D(MSWL)	Equipment Field Calibrated by:	D. Cantu
County (Location):	Forsyth	Date of Field Calibration:	4/3/2025
Monitoring Equipment:	RKI GX-2012	Manufacturer Calibration/Service Date:	4/2/2025

- All reports must include a scaled and dated potentiometric surface map, (this applies only to those facilities required to perform groundwater monitoring) that shows ALL monitoring points, accompanied by a table listing the as-built depths and corresponding elevations of the bottoms of the methane monitoring wells and/or barhole punches. The potentiometric surface maps must be updated on an annual basis, signed & sealed by a qualified groundwater scientist. Those facilities that do not conduct groundwater monitoring should, at a minimum, include a site map that shows ALL monitoring locations.
- All reports must specify whether each monitoring location is a structure, permanent well, barhole punch or vent (e.g. MM-1=scalehouse, MM-1=well, MM-1=BHP (barhole punch), MM-1=vent, or GWC-1=groundwater well).

3. Monitoring Results

a. Permanent Approved COMPLIANCE Monitoring Locations

<u>Monitoring Point Identification</u>			<u>Monitoring Point Identification</u>		
<u>Monitoring Results</u>			<u>Monitoring Results</u>		
MM-1S	% Methane By Volume:	0%	MM-4	% Methane By Volume:	0%
Well	% Oxygen:	20.9%	Well	% Oxygen:	19.4%
	Time Sampled:	1436		Time Sampled:	1401
MM-1D	% Methane By Volume:	0%	MM-5	% Methane By Volume:	0%
Well	% Oxygen:	20.9%	Well	% Oxygen:	19.8%
	Time Sampled:	1433		Time Sampled:	1357
MM-2S	% Methane By Volume:	0%	MM-6	% Methane By Volume:	0%
Well	% Oxygen:	20.9%	Well	% Oxygen:	20.9%
	Time Sampled:	1422		Time Sampled:	1352
MM-2D	% Methane By Volume:	0%	MM-7	% Methane By Volume:	0%
Well	% Oxygen:	20.7%	Well	% Oxygen:	20.6%
	Time Sampled:	1419		Time Sampled:	1348
MM-3S	% Methane By Volume:	0%	MM-8S	% Methane By Volume:	0%
Well	% Oxygen:	20.6%	Well	% Oxygen:	20.9%
	Time Sampled:	1412		Time Sampled:	1342
MM-3D	% Methane By Volume:	0%	MM-8D	% Methane By Volume:	0%
Well	% Oxygen:	20.2%	Well	% Oxygen:	20.9%
	Time Sampled:	1409		Time Sampled:	1345

a. Permanent Approved COMPLIANCE Monitoring Locations (cont'd)

Monitoring Point

Identification

Monitoring Results

MM-9A Well	% Methane By Volume:	0%	MM-10 Well	% Methane By Volume:	0%
	% Oxygen:	20.9%		% Oxygen:	19.5%
	Time Sampled:	1244		Time Sampled:	1241
MM-9S Well	% Methane By Volume:	0%	MM-11 Well	% Methane By Volume:	0%
	% Oxygen:	20.8%		% Oxygen:	20.9%
	Time Sampled:	1335		Time Sampled:	1237
MM-9D Well	% Methane By Volume:	0%			
	% Oxygen:	20.3%			
	Time Sampled:	1338			

b. Facility Structures (All on-site structures must be monitored, listed, and shown on map)

Facility Structure

Monitoring Results

Facility Structure

Monitoring Results

MM-12 Scale House	% LEL:	0%	MM-15 Maintenance Shop	% LEL:	0%
	% Methane by Volume:	0%		% Methane by Volume:	0%
	% Oxygen:	20.9%		% Oxygen:	20.9%
	Time Sampled:	1305		Time Sampled:	1308
MM-13 Storage Shed A	% LEL:	0%	MM-16 Break Trailer	% LEL:	0%
	% Methane by Volume:	0%		% Methane by Volume:	0%
	% Oxygen:	20.9%		% Oxygen:	20.9%
	Time Sampled:	1227		Time Sampled:	1230
MM-13 Storage Shed B	% LEL:	0%	MM-17 Operations Trailer	% LEL:	0%
	% Methane by Volume:	0%		% Methane by Volume:	0%
	% Oxygen:	20.9%		% Oxygen:	20.9%
	Time Sampled:	1224		Time Sampled:	1233
MM-14 Office	% LEL:	0%	MM-18 Pump Maint. Bldg.	% LEL:	0%
	% Methane by Volume:	0%		% Methane by Volume:	0%
	% Oxygen:	20.9%		% Oxygen:	20.9%
	Time Sampled:	1311		Time Sampled:	1445

c. Miscellaneous Monitoring Locations (vents, trenches not part of compliance monitoring)

Monitoring Point

Identification

Monitoring Results

N/A	% Methane By Volume:	
	% Oxygen:	
	Time Sampled:	

d. Adjacent Off-site Structures (off-site structures at facilities with known release)

<u>Off-site Structure</u>	<u>Monitoring Results</u>
N/A	% LEL: _____
	% Methane by Volume: _____
	% Oxygen: _____
	Time Sampled: _____

4. Climatic/Physical Conditions at Site

Samples must be collected under normal/average conditions of temperature, pressure, and climate for the season. Barhole punch sampling should not be performed during or immediately after rain events, or when soils are saturated or frozen. **All sampling at compliance monitoring locations must be performed after 12:00 pm, and completed by 6:00 pm.** Barometric information can be obtained from many locations (i.e. <http://weather.noaa.gov>).

a. Soil Conditions:	<u>Dry</u>			
b. Weather Conditions:	<u>Cloudy</u>			
c. Temperature:	<u>77</u>	-	<u>83</u>	°F
d. Barometric Conditions:	Rising _____	Falling <u>x</u>	Steady _____	Reading: <u>29.69 - 29.65 "</u>
e. Relative Humidity 10%-90%?	Yes _____	<u>x</u>	No _____	Range: <u>61 - 77%</u>
f. Condition/Access: Sampling points are properly identified, secured and maintained?	Yes _____ No <u>x</u>			

If no please list deficiencies observed:

g. If stressed vegetation due to the presence of methane gas is noted, describe the extent and location in the space provided below.

None noticed

5. Description of Sampling Techniques: Provide a clear and concise description for each type of sampling (well, barhole punch, structure, etc.) performed during the monitoring event. Wells are **NOT** to be vented, peak readings should be reported. Any exceptions should be noted here.

Wells are opened and tested immediately.

Peak readings are recorded.

6. **Additional Comments**

EM Services uses the RKI Eagle 2 or GX-2012. Operating manuals can be found at:

GX-2012 - <https://www.rkiinstruments.com/pdf/71-0335.pdf>

Eagle 2 - <https://www.rkiinstruments.com/pdf/71-0154RK.pdf>

CERTIFICATION

I CERTIFY that all required information on this form is complete and accurate, and

I further CERTIFY that methane sampling was conducted by myself or my authorized representative in accordance with all applicable rules and current EPD guidance. Concentrations of methane detected during this sampling/monitoring event do / x **do not** exceed 25 percent of the lower explosive limit (LEL) for methane in facility structures (excluding the gas recovery system components) and gas concentrations do / x **do not** exceed the LEL for methane at the approved compliance monitoring locations.

(IF THIS STATEMENT IS NOT SIGNED OR THE FORM IS ALTERED THE DIVISION WILL NOT ACCEPT THE RESULTS FROM THE SUBJECT FACILITY)


(Signature)

Owner, EM Services
(Title)

4/3/2025
(Date)

Jeff Johnson
Environmental Monitoring Services
4658 Webster Way NW, Acworth, GA 30101
770-823-7174

(Typed Name, Address, and Telephone Number)