Periodic Methane Monitoring Report

4th Quarter / 2023

Quarter or Month / Year

Facility Name:	Eagle Point Landfill	**Date(s) of Monitoring:**	10/18/2023
Facility Permit #'s:		**Monitoring Conducted by:**	EM Services
Permit #'s (cont):	058-012D(MSWL)	**Equipment Field Calibrated by:**	N. Walker, D. Cantu
County (Location):	Forsyth	**Date of Field Calibration:**	10/18/2023
Monitoring Equipment:	RKI GX-2012	**Manufacturer Calibration/Service Date:**	10/2/2023

1. 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.

2. 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

Monitoring Point Identification	Monitoring Results		Monitoring Point Identification	Monitoring Results	
MM-1S	% Methane By Volume:	0%	MM-4	% Methane By Volume:	0%
Well	% Oxygen:	20.9%	Well	% Oxygen:	20.2%
	Time Sampled:	1422		Time Sampled:	1337
MM-1D	% Methane By Volume:	0%	MM-5	% Methane By Volume:	0%
Well	% Oxygen:	20.7%	Well	% Oxygen:	20.7%
	Time Sampled:	1425		Time Sampled:	1334
MM-2S	% Methane By Volume:	0%	MM-6	% Methane By Volume:	0%
Well	% Oxygen:	20.9%	Well	% Oxygen:	20.9%
	Time Sampled:	1409		Time Sampled:	1319
MM-2D	% Methane By Volume:	0%	MM-7	% Methane By Volume:	0%
Well	% Oxygen:	20.6%	Well	% Oxygen:	20.3%
	Time Sampled:	1412		Time Sampled:	1316
MM-3S	% Methane By Volume:	0%	MM-8S	% Methane By Volume:	0%
Well	% Oxygen:	20.9%	Well	% Oxygen:	20.9%
	Time Sampled:	1340		Time Sampled:	1310
MM-3D	% Methane By Volume:	0%	MM-8D	% Methane By Volume:	0%
Well	% Oxygen:	20.4%	Well	% Oxygen:	19.3%
	Time Sampled:	1343		Time Sampled:	1313

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

Monitoring Point Identification	Monitoring Results		Monitoring Point Identification	Monitoring Results	
MM-9A	% Methane By Volume:	0%	MM-10	% Methane By Volume:	0%
Well	% Oxygen:	20.9%	Well	% Oxygen:	20.9%
	Time Sampled:	1328		Time Sampled:	1325
MM-9S	% Methane By Volume:	0%	MM-11	% Methane By Volume:	0%
Well	% Oxygen:	20.9%	Well	% Oxygen:	20.8%
	Time Sampled:	1304		Time Sampled:	1333
MM-9D	% Methane By Volume:	0%			
Well	% Oxygen:	20.3%			
	Time Sampled:	1307			

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	% LEL:	0%	MM-15	% LEL:	0%
Scale House	% Methane by Volume:	0%	Maintenance Shop	% Methane by Volume:	0%
	% Oxygen:	20.9%		% Oxygen:	20.9%
	Time Sampled:	1255		Time Sampled:	1243
MM-13	% LEL:	0%	MM-16	% LEL:	0%
Storage Shed A	% Methane by Volume:	0%	Break Trailer	% Methane by Volume:	0%
	% Oxygen:	20.9%		% Oxygen:	20.9%
	Time Sampled:	1249		Time Sampled:	1246
MM-13	% LEL:	0%	MM-17	% LEL:	0%
Storage Shed B	% Methane by Volume:	0%	Operations Trailer	% Methane by Volume:	0%
	% Oxygen:	20.9%		% Oxygen:	20.9%
	Time Sampled:	1252		Time Sampled:	1258
MM-14	% LEL:	0%	MM-18	% LEL:	0%
Office	% Methane by Volume:	0%	Pump Maint. Bldg.	% Methane by Volume:	0%
	% Oxygen:	20.9%		% Oxygen:	20.9%
	Time Sampled:	1301		Time Sampled:	1240

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)

Off-site Structure	Monitoring Results	
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: Dry

b. Weather Conditions: Partly sunny

c. Temperature: 67 - 70 °F

d. Barometric Conditions: Rising ____ Falling x Steady ____ Reading: 29.92 - 29.85 "

e. Relative Humidity 10%-90%? Yes x No ____ Range: 51 - 60 %

f. Condition/Access: Sampling points are properly identified, secured and maintained? Yes x No ____

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)	10/20/2023 (Date)

Jeff Johnson
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(Typed Name, Address, and Telephone Number)