

## Periodic Methane Monitoring Report

4th Quarter / 2022

Quarter or Month / Year

<b>Facility Name:</b>	Eagle Point Landfill	<b>Date(s) of Monitoring:</b>	10/4/2022
<b>Facility Permit #'s:</b>		<b>Monitoring Conducted by:</b>	EM Services
<b>Permit #'s (cont):</b>	058-012D(MSWL)	<b>Equipment Field Calibrated by:</b>	M. Young
<b>County (Location):</b>	Forsyth	<b>Date of Field Calibration:</b>	10/4/2022
<b>Monitoring Equipment:</b>	RKI GX-2012	<b>Manufacturer Calibration/Service Date:</b>	10/3/2022

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

<u>Monitoring Point Identification</u>	<u>Monitoring Results</u>	<u>Monitoring Point Identification</u>	<u>Monitoring Results</u>
MM-1S Well	% Methane By Volume: 0% % Oxygen: 20.8% Time Sampled: 1236	MM-4 Well	% Methane By Volume: 0% % Oxygen: 18.2% Time Sampled: 1245
MM-1D Well	% Methane By Volume: 0% % Oxygen: 20.7% Time Sampled: 1234	MM-5 Well	% Methane By Volume: 0% % Oxygen: 19.6% Time Sampled: 1248
MM-2S Well	% Methane By Volume: 0% % Oxygen: 20.6% Time Sampled: 1226	MM-6 Well	% Methane By Volume: 0% % Oxygen: 20.0% Time Sampled: 1253
MM-2D Well	% Methane By Volume: 0% % Oxygen: 20.4% Time Sampled: 1229	MM-7 Well	% Methane By Volume: 0% % Oxygen: 19.6% Time Sampled: 1257
MM-3S Well	% Methane By Volume: 0% % Oxygen: 19.8% Time Sampled: 1240	MM-8S Well	% Methane By Volume: 0% % Oxygen: 20.9% Time Sampled: 1303
MM-3D Well	% Methane By Volume: 0% % Oxygen: 20.9% Time Sampled: 1242	MM-8D Well	% Methane By Volume: 0% % Oxygen: 20.9% Time Sampled: 1305

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

Monitoring Point

<u>Identification</u>	<u>Monitoring Results</u>				<u>Monitoring Results</u>		
<u>MM-9A</u> Well	% Methane By Volume:	<u>0%</u>		<u>MM-10</u> Well	% Methane By Volume:	<u>0%</u>	
	% Oxygen:	<u>20.9%</u>			% Oxygen:	<u>20.9%</u>	
	Time Sampled:	<u>1221</u>			Time Sampled:	<u>1218</u>	
<u>MM-9S</u> Well	% Methane By Volume:	<u>0%</u>		<u>MM-11</u> Well	% Methane By Volume:	<u>0%</u>	
	% Oxygen:	<u>18.6%</u>			% Oxygen:	<u>20.9%</u>	
	Time Sampled:	<u>1310</u>			Time Sampled:	<u>1215</u>	
<u>MM-9D</u> Well	% Methane By Volume:	<u>0%</u>					
	% Oxygen:	<u>18.9%</u>					
	Time Sampled:	<u>1313</u>					

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

<u>Facility Structure</u>	<u>Monitoring Results</u>			<u>Facility Structure</u>	<u>Monitoring Results</u>		
<u>MM-12</u> Scale House	% LEL:	<u>0%</u>		<u>MM-15</u> Maintenance Shop	% LEL:	<u>0%</u>	
	% Methane by Volume:	<u>0%</u>			% Methane by Volume:	<u>0%</u>	
	% Oxygen:	<u>20.9%</u>			% Oxygen:	<u>20.9%</u>	
	Time Sampled:	<u>1116</u>			Time Sampled:	<u>1105</u>	
<u>MM-13</u> Storage Shed A	% LEL:	<u>0%</u>		<u>MM-16</u> Break Trailer	% LEL:	<u>0%</u>	
	% Methane by Volume:	<u>0%</u>			% Methane by Volume:	<u>0%</u>	
	% Oxygen:	<u>20.9%</u>			% Oxygen:	<u>20.9%</u>	
	Time Sampled:	<u>1109</u>			Time Sampled:	<u>1102</u>	
<u>MM-13</u> Storage Shed B	% LEL:	<u>0%</u>		<u>MM-17</u> Operations Trailer	% LEL:	<u>0%</u>	
	% Methane by Volume:	<u>0%</u>			% Methane by Volume:	<u>0%</u>	
	% Oxygen:	<u>20.9%</u>			% Oxygen:	<u>20.9%</u>	
	Time Sampled:	<u>1113</u>			Time Sampled:	<u>1059</u>	
<u>MM-14</u> Office	% LEL:	<u>0%</u>		<u>MM-18</u> Pump Maint. Bldg.	% LEL:	<u>0%</u>	
	% Methane by Volume:	<u>0%</u>			% Methane by Volume:	<u>0%</u>	
	% Oxygen:	<u>20.9%</u>			% Oxygen:	<u>20.9%</u>	
	Time Sampled:	<u>1119</u>			Time Sampled:	<u>1049</u>	

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

Monitoring Point

<u>Identification</u>	<u>Monitoring Results</u>		
<u>N/A</u>	% Methane By Volume:	<u>          </u>	
	% Oxygen:	<u>          </u>	
	Time Sampled:	<u>          </u>	

**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: Dry
- b. Weather Conditions: Sunny
- c. Temperature: 66 - 70 °F
- d. Barometric Conditions: Rising \_\_\_\_\_ Falling x Steady \_\_\_\_\_ Reading: 30.19 - 30.17 "
- e. Relative Humidity 10%-90%? Yes \_\_\_\_\_ No x Range: 76 - 67 %
- f. Condition/Access: Sampling points are properly identified, secured and maintained? Yes \_\_\_\_\_ No x

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)

10/4/2022  
\_\_\_\_\_  
(Date)

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

\_\_\_\_\_  
(Typed Name, Address, and Telephone Number)