



October 26, 2020

Mr. Sam Buckles  
Forsyth County  
Solid Waste Program  
1950 Sharon Road  
Cumming, Georgia 30041

**Re: Advanced Disposal Services, Eagle Point Landfill  
4<sup>th</sup> Quarter 2020 Methane Monitoring Report  
Permit No.: 058-012D (MSWL)  
ADS-04-Methane**

Dear Mr. Buckles:

Pursuant to Section 2.9 of the Memorandum of Understanding, executed December 7, 2017, Advanced Disposal Services herein encloses the 4<sup>th</sup> Quarter 2020 Methane Monitoring results for the above referenced facility. The Eagle Point Landfill *is in compliance* for this quarterly monitoring event. By copy of this letter, the County is notified of this EPD-based regulatory compliance report for boundary methane monitoring. If you have any questions regarding this matter, please feel free to contact me at (678)341-7144.

Sincerely,

A handwritten signature in black ink, appearing to read 'Michael B. Stowe'.

Michael B. Stowe  
Environmental Compliance Manager

Enclosures

Cc: Scott Mann (w/ enclosures for Operating Records)  
Robert Heller (w/o enclosures-electronic)  
Ed Hood (w/o enclosures-electronic)

## Periodic Methane Monitoring Report

4th Quarter / 2020  
Quarter or Month / Year

Facility Name:	Eagle Point Landfill	Date(s) of Monitoring:	10/19/2020
Facility Permit #'s:		Monitoring Conducted by:	EM Services
Permit #'s (cont):	058-012D(MSWL)	Equipment Field Calibrated by:	N. Walker
County (Location):	Forsyth	Date of Field Calibration:	10/19/2020
Monitoring Equipment:	RKI Eagle 2	Manufacturer Calibration/Service Date:	10/2020

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: 20.6% Time Sampled: 1310	MM-4 Well	% Methane By Volume: 0% % Oxygen: 16.8% Time Sampled: 1328
MM-1D Well	% Methane By Volume: 0% % Oxygen: 20.2% Time Sampled: 1313	MM-5 Well	% Methane By Volume: 0% % Oxygen: 20.9% Time Sampled: 1340
MM-2S Well	% Methane By Volume: 0% % Oxygen: 20.4% Time Sampled: 1316	MM-6 Well	% Methane By Volume: 0% % Oxygen: 20.9% Time Sampled: 1343
MM-2D Well	% Methane By Volume: 0% % Oxygen: 20.0% Time Sampled: 1319	MM-7 Well	% Methane By Volume: 0% % Oxygen: 18.2% Time Sampled: 1346
MM-3S Well	% Methane By Volume: 0% % Oxygen: 18.0% Time Sampled: 1322	MM-8S Well	% Methane By Volume: 0% % Oxygen: 20.8% Time Sampled: 1349
MM-3D Well	% Methane By Volume: 0% % Oxygen: 20.8% Time Sampled: 1325	MM-8D Well	% Methane By Volume: 0% % Oxygen: 20.9% Time Sampled: 1352

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

Monitoring Point

<u>Identification</u>	<u>Monitoring Results</u>				<u>Monitoring Results</u>		
MM-9A Well	% Methane By Volume:	0%		MM-10 Well	% Methane By Volume:	0%	
	% Oxygen:	18.9%			% Oxygen:	19.3%	
	Time Sampled:	1256			Time Sampled:	1253	
MM-9S Well	% Methane By Volume:	0%		MM-11 Well	% Methane By Volume:	0%	
	% Oxygen:	18.2%			% Oxygen:	18.4%	
	Time Sampled:	1355			Time Sampled:	1250	
MM-9D Well	% Methane By Volume:	0%					
	% Oxygen:	18.6%					
	Time Sampled:	1350					

**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>		
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:	1225			Time Sampled:	1246	
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:	1228			Time Sampled:	1234	
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:	1231			Time Sampled:	1237	
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:	1243			Time Sampled:	1240	

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

Monitoring Point

<u>Identification</u>	<u>Monitoring Results</u>		
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: Dry
- b. Weather Conditions: Cloudy
- c. Temperature: 67 - 74 °F
- d. Barometric Conditions: Rising \_\_\_\_\_ Falling x Steady \_\_\_\_\_ Reading: 30.29 - 30.24 "
- e. Relative Humidity 10%-90%? Yes \_\_\_\_\_ No x Range: 69 - 61 %
- f. Condition/Access: Sampling points are properly identified, secured and maintained?  
Yes \_\_\_\_\_ No x

If no please list deficiencies observed:

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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

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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.

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6. Additional Comments

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EM Services uses the RKI Eagle 2 for monitoring. Operating manual can be found at:  
 Eagle - <http://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)

10/20/2020  
 \_\_\_\_\_  
 (Date)

Jeff Johnson  
 Environmental Monitoring Services  
 4658 Webster Way NW, Acworth, GA 30101  
 770/823-7174  
 \_\_\_\_\_  
 (Typed Name, Address, and Telephone Number)