Advanced Disposal

August 14, 2018

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

Re: Advanced Disposal Services, Eagle Point Landfill
3rd Quarter 2018 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 3rd Quarter 2018 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,

Michael B. Stowe
Environmental Compliance Manager

Enclosures
Cc: Trey Allen (w/ enclosures for Operating Records)
Robert Heller (w/o enclosures-electronic)
Gerald Allen (w/o enclosures-electronic)

Periodic Methane Monitoring Report

3rd Quarter / 2018
Quarter or Month / Year

Facility Name:	Eagle Point Landfill	**Date(s) of Monitoring:**	7/23/2018
Facility Permit #'s:		**Monitoring Conducted by:**	EM Services
Permit #'s (cont):	058-012D(MSWL)	**Equipment Field Calibrated by:**	Drew Ellis
County (Location):	Forsyth	**Date of Field Calibration:**	7/23/2018
Monitoring Equipment:	RKI Eagle 2	**Manufacturer Calibration/Service Date:**	07/2018

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 Well	% Methane By Volume:	0%	MM-4 Well	% Methane By Volume:	0%
	% Oxygen:	20.9%		% Oxygen:	18.7%
	Time Sampled:	1429		Time Sampled:	1447
MM-1D Well	% Methane By Volume:	0%	MM-5 Well	% Methane By Volume:	0%
	% Oxygen:	20.9%		% Oxygen:	18.5%
	Time Sampled:	1428		Time Sampled:	1450
MM-2S Well	% Methane By Volume:	0%	MM-6 Well	% Methane By Volume:	0%
	% Oxygen:	19.1%		% Oxygen:	19.1%
	Time Sampled:	1339		Time Sampled:	1455
MM-2D Well	% Methane By Volume:	0%	MM-7 Well	% Methane By Volume:	0%
	% Oxygen:	20.9%		% Oxygen:	20.9%
	Time Sampled:	1340		Time Sampled:	1530
MM-3S Well	% Methane By Volume:	0%	MM-8S Well	% Methane By Volume:	0%
	% Oxygen:	20.9%		% Oxygen:	20.9%
	Time Sampled:	1442		Time Sampled:	1527
MM-3D Well	% Methane By Volume:	0%	MM-8D Well	% Methane By Volume:	0%
	% Oxygen:	18.7%		% Oxygen:	20.9%
	Time Sampled:	1441		Time Sampled:	1528

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

Monitoring Point Identification	Monitoring Results		Monitoring Point Identification	Monitoring Results	
MM-9A Well	% Methane By Volume:	0%	MM-10 Well	% Methane By Volume:	0%
	% Oxygen:	19.5%		% Oxygen:	18.4%
	Time Sampled:	1509		Time Sampled:	1505
MM-9S Well	% Methane By Volume:	0%	MM-11 Well	% Methane By Volume:	0%
	% Oxygen:	20.3%		% Oxygen:	20.9%
	Time Sampled:	1512		Time Sampled:	1536
MM-9D Well	% Methane By Volume:	0%			
	% Oxygen:	20.9%			
	Time Sampled:	1515			

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:	1539		Time Sampled:	1548
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:	1545		Time Sampled:	1543
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:	1546		Time Sampled:	1542
MM-14 Office	% LEL:	0%			
	% Methane by Volume:	0%			
	% Oxygen:	20.9%			
	Time Sampled:	1453			

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: Cloudy

c. Temperature: 78 - 80 °F

d. Barometric Conditions: Rising _____ Falling x Steady _____ Reading: 29.83 - 29.79 "

e. Relative Humidity 10%-90%? Yes x No _____ Range: 69 - 88 %

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 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)	7/26/2018 (Date)

Jeff Johnson
Environmental Monitoring Services
106A Hartwood Drive, Woodstock, GA 30189
770/823-7174
(Typed Name, Address, and Telephone Number)