



October 19, 2018

Advanced Disposal Services
Eagle Point Landfill
Attn: Trey Allen
8880 Old Federal Road
Ball Ground, GA 30107

Re: Eagle Point Landfill
4Q- 2018 Methane Monitoring Report
Permit No.: 058-012D (MSWL)
ADS-04-Methane

Dear Trey:

Enclosed are the 4th Quarter 2018 Methane Reports for the above referenced facility. Please note Eagle Point Landfill *is in compliance* for this quarterly monitoring event. Please put in the Eagle Point Operating Record.

If you have any questions regarding this matter, please feel free to contact me at (904)504-8559.

Sincerely,

Michael B. Stowe
Environmental Compliance Manager

Enclosures

Cc: Robert Heller (w/o enclosures-electronic)
Gerald Allen (w/o enclosures-electronic)



October 19, 2018

Mr. John Sayer
Georgia Environmental Protection Division
Atlanta Tradeport, Suite 104
4244 International Parkway
Atlanta, Georgia 30354

**Re: Advanced Disposal Services, Eagle Point Landfill
4th Quarter 2018 Methane Monitoring Report
Permit No.: 058-012D (MSWL)
ADS-04-Methane**

Dear Mr. Sayer:

Enclosed are the 4th Quarter 2018 Methane Monitoring results along with the required potentiometric surface map for the above referenced project. The Eagle Point Landfill *is in compliance* for this quarterly monitoring event. By copy of this letter, the Director is notified this information will be placed in the facility's operating record. If you have any questions regarding this matter, please feel free to contact me at (904)504-8559.

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)

Sam Buckles-Forsyth County (w/ enclosure)



Advanced Disposal

October 19, 2018

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

**Re: Advanced Disposal Services, Eagle Point Landfill
4th 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 4th 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

4th Quarter / 2018

Quarter or Month / Year

Facility Name:	<u>Eagle Point Landfill</u>	Date(s) of Monitoring:	<u>10/2/2018</u>
Facility Permit #'s:		Monitoring Conducted by:	<u>EM Services</u>
Permit #'s (cont):	<u>058-012D(MSWL)</u>	Equipment Field Calibrated by:	<u>Matthew Young</u>
County (Location):	<u>Forsyth</u>	Date of Field Calibration:	<u>10/2/2018</u>
Monitoring Equipment:	<u>RKI Eagle 2</u>	Manufacturer Calibration/Service Date:	<u>10/2018</u>

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>
<u>MM-1S</u> Well	% Methane By Volume: <u>0%</u> % Oxygen: <u>20.4%</u> Time Sampled: <u>1234</u>		<u>MM-4</u> Well	% Methane By Volume: <u>0%</u> % Oxygen: <u>19.2%</u> Time Sampled: <u>1250</u>
<u>MM-1D</u> Well	% Methane By Volume: <u>0%</u> % Oxygen: <u>20.0%</u> Time Sampled: <u>1236</u>		<u>MM-5</u> Well	% Methane By Volume: <u>0%</u> % Oxygen: <u>19.2%</u> Time Sampled: <u>1330</u>
<u>MM-2S</u> Well	% Methane By Volume: <u>0%</u> % Oxygen: <u>19.4%</u> Time Sampled: <u>1257</u>		<u>MM-6</u> Well	% Methane By Volume: <u>0%</u> % Oxygen: <u>19.6%</u> Time Sampled: <u>1337</u>
<u>MM-2D</u> Well	% Methane By Volume: <u>0%</u> % Oxygen: <u>20.0%</u> Time Sampled: <u>1259</u>		<u>MM-7</u> Well	% Methane By Volume: <u>0%</u> % Oxygen: <u>20.9%</u> Time Sampled: <u>1431</u>
<u>MM-3S</u> Well	% Methane By Volume: <u>0%</u> % Oxygen: <u>20.9%</u> Time Sampled: <u>1313</u>		<u>MM-8S</u> Well	% Methane By Volume: <u>0%</u> % Oxygen: <u>20.9%</u> Time Sampled: <u>1428</u>
<u>MM-3D</u> Well	% Methane By Volume: <u>0%</u> % Oxygen: <u>20.7%</u> Time Sampled: <u>1311</u>		<u>MM-8D</u> Well	% Methane By Volume: <u>0%</u> % Oxygen: <u>19.6%</u> Time Sampled: <u>1426</u>

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

Monitoring Point

<u>Identification</u>	<u>Monitoring Results</u>				<u>Monitoring Results</u>		
MM-9A	% Methane By Volume:	0%		MM-10	% Methane By Volume:	0%	
Well	% Oxygen:	20.1%		Well	% Oxygen:	18.8%	
	Time Sampled:	1408			Time Sampled:	1403	
MM-9S	% Methane By Volume:	0%		MM-11	% Methane By Volume:	0%	
Well	% Oxygen:	19.2%		Well	% Oxygen:	17.9%	
	Time Sampled:	1422			Time Sampled:	1357	
MM-9D	% Methane By Volume:	0%					
Well	% Oxygen:	19.2%					
	Time Sampled:	1419					

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	% 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:	1501			Time Sampled:	1459	
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:	1506			Time Sampled:	1505	
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:	1507			Time Sampled:	1503	
MM-14	% LEL:	0%					
Office	% Methane by Volume:	0%					
	% Oxygen:	20.9%					
	Time Sampled:	1458					

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: Sunny
- c. Temperature: 82 - 86 °F
- d. Barometric Conditions: Rising _____ Falling x Steady _____ Reading: 30.17 - 30.10 "
- e. Relative Humidity 10%-90%? Yes _____ x No _____ Range: 63 - 55 %
- 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)

10/2/2018

(Date)

Jeff Johnson
Environmental Monitoring Services
106A Hartwood Drive, Woodstock, GA 30189
770/823-7174

(Typed Name, Address, and Telephone Number)



Transmittal Form

Date: October 19, 2018

Submitted by: Michael Stowe, Environmental Compliance Manager-South Region

Content: 4Q2018 Methane Monitoring Report-Eagle Point Landfill

To: Georgia Environmental Protection Division

Attn: Mr. John Sayer

Atlanta Tradeport, Suite 104

4244 International Parkway

Atlanta, GA 30354

Type of Mail: **Certified Mail** (receipt to michael.stowe@advanceddisposal.com or hand-delivery)

Notes:

CC: Eagle Point Landfill

Attn: Trey Allen

8880 Old Federal Road

Ball Ground, GA 30107

Regular Mail

CC: Mr. Sam Buckles

Forsyth County

Solid Waste Program

1950 Sharon Road

Cumming, Georgia 30041