



August 13, 2020

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

**Re: Advanced Disposal Services, Eagle Point Landfill  
3<sup>rd</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 3<sup>rd</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,

Michael B. Stowe  
Environmental Compliance Manager

Enclosures

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

## Periodic Methane Monitoring Report

3rd Quarter / 2020  
Quarter or Month / Year

|                              |                      |   |             |
|------------------------------|----------------------|---|-------------|
| <b>Facility Name:</b>        | Eagle Point Landfill | <b>Date(s) of Monitoring:</b>                 | 7/8/2020    |
| <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>         | N. Walker   |
| <b>County (Location):</b>    | Forsyth              | <b>Date of Field Calibration:</b>             | 7/8/2020    |
| <b>Monitoring Equipment:</b> | RKI Eagle 2          | <b>Manufacturer Calibration/Service Date:</b> | 07/2020     |

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<br>Well                          | % Methane By Volume: 0%<br>% Oxygen: 20.8%<br>Time Sampled: 1400 | MM-4<br>Well                           | % Methane By Volume: 0%<br>% Oxygen: 16.2%<br>Time Sampled: 1343 |
| MM-1D<br>Well                          | % Methane By Volume: 0%<br>% Oxygen: 20.5%<br>Time Sampled: 1402 | MM-5<br>Well                           | % Methane By Volume: 0%<br>% Oxygen: 20.7%<br>Time Sampled: 1337 |
| MM-2S<br>Well                          | % Methane By Volume: 0%<br>% Oxygen: 20.3%<br>Time Sampled: 1355 | MM-6<br>Well                           | % Methane By Volume: 0%<br>% Oxygen: 20.9%<br>Time Sampled: 1326 |
| MM-2D<br>Well                          | % Methane By Volume: 0%<br>% Oxygen: 20.1%<br>Time Sampled: 1353 | MM-7<br>Well                           | % Methane By Volume: 0%<br>% Oxygen: 18.4%<br>Time Sampled: 1322 |
| MM-3S<br>Well                          | % Methane By Volume: 0%<br>% Oxygen: 18.0%<br>Time Sampled: 1348 | MM-8S<br>Well                          | % Methane By Volume: 0%<br>% Oxygen: 20.9%<br>Time Sampled: 1316 |
| MM-3D<br>Well                          | % Methane By Volume: 0%<br>% Oxygen: 19.0%<br>Time Sampled: 1350 | MM-8D<br>Well                          | % Methane By Volume: 0%<br>% Oxygen: 20.9%<br>Time Sampled: 1318 |

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

| <u>Monitoring Point Identification</u> | <u>Monitoring Results</u> |              |  | <u>Monitoring Point Identification</u> | <u>Monitoring Results</u> |              |  |
|--|---------------------------|--------------|--|--|---------------------------|--------------|--|
| <u>MM-9A</u><br>Well                   | % Methane By Volume:      | <u>0%</u>    |  | <u>MM-10</u><br>Well                   | % Methane By Volume:      | <u>0%</u>    |  |
|  | % Oxygen:                 | <u>19.4%</u> |  |  | % Oxygen:                 | <u>19.4%</u> |  |
|  | Time Sampled:             | <u>1300</u>  |  |  | Time Sampled:             | <u>1257</u>  |  |
| <u>MM-9S</u><br>Well                   | % Methane By Volume:      | <u>0%</u>    |  | <u>MM-11</u><br>Well                   | % Methane By Volume:      | <u>0%</u>    |  |
|  | % Oxygen:                 | <u>18.9%</u> |  |  | % Oxygen:                 | <u>17.4%</u> |  |
|  | Time Sampled:             | <u>1306</u>  |  |  | Time Sampled:             | <u>1254</u>  |  |
| <u>MM-9D</u><br>Well                   | % Methane By Volume:      | <u>0%</u>    |  |  |                           |              |  |
|  | % Oxygen:                 | <u>19.1%</u> |  |  |                           |              |  |
|  | Time Sampled:             | <u>1308</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><br>Scale House    | % LEL:                    | <u>0%</u>    |  | <u>MM-15</u><br>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>1246</u>  |  |                                    | Time Sampled:             | <u>1249</u>  |  |
| <u>MM-13</u><br>Storage Shed A | % LEL:                    | <u>0%</u>    |  | <u>MM-16</u><br>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>1238</u>  |  |                                    | Time Sampled:             | <u>1243</u>  |  |
| <u>MM-13</u><br>Storage Shed B | % LEL:                    | <u>0%</u>    |  | <u>MM-17</u><br>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>1237</u>  |  |                                    | Time Sampled:             | <u>1240</u>  |  |
| <u>MM-14</u><br>Office         | % LEL:                    | <u>0%</u>    |  | <u>MM-18</u><br>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>1250</u>  |  |                                    | Time Sampled:             | <u>1234</u>  |  |

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

| <u>Monitoring Point 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: 83 - 86 °F
- d. Barometric Conditions: Rising \_\_\_\_\_ Falling x Steady \_\_\_\_\_ Reading: 30.03 - 30.00 "
- e. Relative Humidity 10%-90%? Yes \_\_\_\_\_ x No \_\_\_\_\_ Range: 76 - 65 %
- f. Condition/Access: Sampling points are properly identified, secured and maintained?  
Yes \_\_\_\_\_ x No \_\_\_\_\_

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)

7/10/2020  
\_\_\_\_\_  
(Date)

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

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