

## Johnson, Sabrina O

---

**From:** Tim Cully <TCULLY@jonesedmunds.com>  
**Sent:** Tuesday, December 8, 2020 3:21 PM  
**To:** SWD\_Waste; Black, Alexis  
**Cc:** Henry C. Norris; 'Joshua L. Younce'; Dan S. Sherlock; Troy Hays; Elizabeth Kennelley  
**Subject:** Citrus County Landfill - WACS ID 39859 - Fourth Quarter 2020 - Landfill Gas Monitoring Report  
**Attachments:** 2020.12.08\_RPT\_Citrus Co LF\_WACS 39859\_20Q4 LFG.pdf

**Importance:** High

Dear FDEP and Ms. Black,

Attached to this e-mail is the Fourth Quarter 2020 Landfill Gas Monitoring Report for the Citrus County Landfill (WACS ID 39859).

Please let us know if you have any questions regarding this report. Thank you.

Sincerely,

**Timothy G. Cully, PG**

Department Manager / Vice President



p. 352.377.5821 x. 1394 | c. 352.328.9786

[JONESEDMUNDS.COM](http://JONESEDMUNDS.COM)

730 NE Waldo Road, Gainesville, FL 32641



The information contained in this message including any attachment is confidential. It is intended for the private use of the intended addressee only. If you are not the intended addressee, please immediately notify the sender by reply email and destroy the original transmission and any attachment. Email transmission of information cannot be guaranteed to be free of error or other defect. If verification is required, request a hard-copy version. The sender disclaims liability for any defects in this message caused by email transmission including a virus. It is the responsibility of the recipient to ensure that this message is virus free.

December 8, 2020

Ms. Alexis Black  
Solid Waste Section  
Department of Environmental Protection  
13051 N Telecom Pkwy  
Temple Terrace, FL 33637-0926

RE: Citrus County Central Landfill  
Landfill Gas Monitoring Results – Fourth Quarter 2020  
FDEP Permit No.: 21375-025-SO-01  
FDEP Modification No.: 21375-026-SO-MM  
Jones Edmunds Project Number: 03860-075-01

Dear Ms. Black:

Enclosed are the Fourth Quarter 2020 landfill gas monitoring results for the Citrus County Central Landfill conducted on October 19 and 20, 2020. The calibration log is also enclosed with this letter.

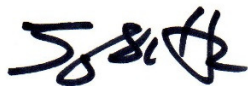
There were no detections of Methane in any of the landfill gas monitoring probes at any depth or in any of the on-site structures. Based on these sampling results from the probes at varying depths, Methane does not exceed 100% of the LEL at the compliance boundary and the site is in compliance with the landfill gas migration rule.

The County continues to measure Methane concentrations in the groundwater monitoring wells. Methane was above 100% of the LEL in groundwater monitoring wells MW-3, MW-5, MW-6, MW-7, MW-16, MW-20, and MW-21.

The results from the measurements conducted in the new landfill gas monitoring probes along with the existing probes retrofitted with tubing installed to varying depths indicate that the site is in compliance with the landfill gas migration rules.

If you have any questions regarding this information, please contact me at (352) 377-5821.

Sincerely,



Troy D. Hays, PG  
Sr. Manager/Vice President  
730 NE Waldo Road  
Gainesville, FL 32618

M:\EnvDocs\Citrus County\Gas Mon\2020\20Q4\20Q4\_Citrus\_Gas Mon\_Letter.docx

xc: Henry Norris, Citrus County  
Dan Sherlock, Citrus County  
Joshua Younce, Citrus County

CITRUS COUNTY CENTRAL LANDFILL  
LANDFILL GAS MONITORING RESULTS

Gas Monitoring Probes (Wells) and Structures  
Fourth Quarter 2020

General Data

|                   |                        |
|-------------------|------------------------|
| Sampler:          | Steve Messick          |
| Measuring Device: | Eagle RKI (SN E084039) |

| Date       | Time  | Air Temperature (deg C) | Sky Conditions           |
|------------|-------|-------------------------|--------------------------|
| 10/19/2020 | 8:48  | 23                      | Clear, Wind 0-4 mph S    |
| 10/19/2020 | 11:08 | 28                      | Clear, Wind 0-7 mph S/SE |
| 10/20/2020 | 9:00  | 25                      | Overcast                 |
| 10/20/2020 | 12:00 | 30                      | Cloudy, Wind 0-10 mph E  |

Sampling Data

| Station I.D. | Date Sampled | Time Sampled | Depth of Intake (Feet) | O2 %Volume | CO2 %Volume | Methane                              |   | Station Type |
|--------------|--------------|--------------|------------------------|------------|-------------|--------------------------------------|---|--------------|
|              |              |              |                        |            |             | Peak Recorded Concentration as % LEL | Peak Recorded Concentration as % Volume |              |
| GP-1         | 10/20/2020   | 12:03        | 20                     | 18.3       | 2.6         | 0.0                                  | -                                       | Gas Well     |
| GP-1         | 10/20/2020   | 12:05        | 40                     | 18.5       | 2.6         | 0.0                                  | -                                       | Gas Well     |
| GP-2         | 10/19/2020   | 14:58        | 20                     | 18.2       | 3.2         | 0.0                                  | -                                       | Gas Well     |
| GP-2         | 10/19/2020   | 15:00        | 40                     | 13.1       | 6.2         | 0.0                                  | -                                       | Gas Well     |
| GP-3         | 10/19/2020   | 15:15        | 20                     | 19.3       | 1.8         | 0.0                                  | -                                       | Gas Well     |
| GP-3         | 10/19/2020   | 15:17        | 40                     | 19.4       | 1.8         | 0.0                                  | -                                       | Gas Well     |
| GP-4         | 10/19/2020   | 14:14        | 20                     | 18.2       | 3.6         | 0.0                                  | -                                       | Gas Well     |
| GP-4         | 10/19/2020   | 14:16        | 40                     | 18.1       | 3.8         | 0.0                                  | -                                       | Gas Well     |
| GP-5         | 10/19/2020   | 14:07        | 20                     | 17.6       | 4.2         | 0.0                                  | -                                       | Gas Well     |
| GP-5         | 10/19/2020   | 14:09        | 40                     | 18.0       | 3.8         | 0.0                                  | -                                       | Gas Well     |
| GP-6         | 10/19/2020   | 14:00        | 20                     | 18.5       | 3.0         | 0.0                                  | -                                       | Gas Well     |
| GP-6         | 10/19/2020   | 14:02        | 40                     | 18.5       | 3.0         | 0.0                                  | -                                       | Gas Well     |
| GP-7         | 10/19/2020   | 13:54        | 20                     | 18.8       | 2.6         | 0.0                                  | -                                       | Gas Well     |
| GP-7         | 10/19/2020   | 13:56        | 40                     | 18.7       | 2.6         | 0.0                                  | -                                       | Gas Well     |
| GP-8         | 10/19/2020   | 13:47        | 20                     | 18.1       | 2.4         | 0.0                                  | -                                       | Gas Well     |
| GP-8         | 10/19/2020   | 13:49        | 40                     | 17.7       | 2.4         | 0.0                                  | -                                       | Gas Well     |
| GP-9         | 10/19/2020   | 13:41        | 20                     | 19.1       | 2.2         | 0.0                                  | -                                       | Gas Well     |
| GP-9         | 10/19/2020   | 13:43        | 40                     | 19.1       | 2.2         | 0.0                                  | -                                       | Gas Well     |
| GP-10        | 10/19/2020   | 13:30        | 20                     | 14.1       | 7.4         | 0.0                                  | -                                       | Gas Well     |
| GP-10        | 10/19/2020   | 13:32        | 40                     | 14.4       | 7.0         | 0.0                                  | -                                       | Gas Well     |
| GP-11        | 10/19/2020   | 12:21        | 20                     | 19.0       | 1.8         | 0.0                                  | -                                       | Gas Well     |
| GP-11        | 10/19/2020   | 12:24        | 40                     | 17.0       | 2.2         | 0.0                                  | -                                       | Gas Well     |
| GP-12        | 10/19/2020   | 13:11        | 25                     | 19.6       | 1.8         | 0.0                                  | -                                       | Gas Well     |
| GP-12        | 10/19/2020   | 13:13        | 50                     | 19.6       | 1.8         | 0.0                                  | -                                       | Gas Well     |
| GP-12        | 10/19/2020   | 13:14        | 75                     | 19.8       | 1.6         | 0.0                                  | -                                       | Gas Well     |
| GP-13        | 10/19/2020   | 11:21        | 25                     | 18.3       | 2.2         | 0.0                                  | -                                       | Gas Well     |
| GP-13        | 10/19/2020   | 11:23        | 50                     | 18.0       | 2.2         | 0.0                                  | -                                       | Gas Well     |

CITRUS COUNTY CENTRAL LANDFILL  
LANDFILL GAS MONITORING RESULTS

Gas Monitoring Probes (Wells) and Structures  
Fourth Quarter 2020

General Data

|                   |                        |
|-------------------|------------------------|
| Sampler:          | Steve Messick          |
| Measuring Device: | Eagle RKI (SN E084039) |

| Date       | Time  | Air Temperature (deg C) | Sky Conditions           |
|------------|-------|-------------------------|--------------------------|
| 10/19/2020 | 8:48  | 23                      | Clear, Wind 0-4 mph S    |
| 10/19/2020 | 11:08 | 28                      | Clear, Wind 0-7 mph S/SE |
| 10/20/2020 | 9:00  | 25                      | Overcast                 |
| 10/20/2020 | 12:00 | 30                      | Cloudy, Wind 0-10 mph E  |

Sampling Data

| Station I.D. | Date Sampled | Time Sampled | Depth of Intake (Feet) | O2 %Volume | CO2 %Volume | Methane                              |   | Station Type |
|--------------|--------------|--------------|------------------------|------------|-------------|--------------------------------------|---|--------------|
|              |              |              |                        |            |             | Peak Recorded Concentration as % LEL | Peak Recorded Concentration as % Volume |              |
| GP-13        | 10/19/2020   | 11:24        | 75                     | 18.1       | 2.0         | 0.0                                  | -                                       | Gas Well     |
| GP-14        | 10/19/2020   | 11:15        | 25                     | 19.8       | 1.2         | 0.0                                  | -                                       | Gas Well     |
| GP-14        | 10/19/2020   | 11:17        | 50                     | 19.4       | 1.2         | 0.0                                  | -                                       | Gas Well     |
| GP-14        | 10/19/2020   | 11:18        | 75                     | 19.4       | 1.2         | 0.0                                  | -                                       | Gas Well     |
| GP-15        | 10/19/2020   | 11:09        | 25                     | 20.3       | 1.4         | 0.0                                  | -                                       | Gas Well     |
| GP-15        | 10/19/2020   | 11:10        | 50                     | 20.3       | 1.4         | 0.0                                  | -                                       | Gas Well     |
| GP-15        | 10/19/2020   | 11:12        | 75                     | 20.6       | 1.0         | 0.0                                  | -                                       | Gas Well     |
| GP-16        | 10/19/2020   | 11:00        | 25                     | 19.8       | 1.4         | 0.0                                  | -                                       | Gas Well     |
| GP-16        | 10/19/2020   | 11:01        | 50                     | 19.6       | 1.6         | 0.0                                  | -                                       | Gas Well     |
| GP-16        | 10/19/2020   | 11:02        | 75                     | 19.6       | 1.4         | 0.0                                  | -                                       | Gas Well     |
| GP-17        | 10/19/2020   | 10:50        | 25                     | 15.6       | 4.8         | 0.0                                  | -                                       | Gas Well     |
| GP-17        | 10/19/2020   | 10:51        | 50                     | 13.3       | 6.8         | 0.0                                  | -                                       | Gas Well     |
| GP-17        | 10/19/2020   | 10:53        | 75                     | 14.9       | 5.0         | 0.0                                  | -                                       | Gas Well     |
| GP-18        | 10/19/2020   | 10:42        | 25                     | 19.2       | 1.4         | 0.0                                  | -                                       | Gas Well     |
| GP-18        | 10/19/2020   | 10:43        | 50                     | 18.9       | 1.6         | 0.0                                  | -                                       | Gas Well     |
| GP-18        | 10/19/2020   | 10:45        | 75                     | 19.1       | 1.4         | 0.0                                  | -                                       | Gas Well     |
| GP-19        | 10/19/2020   | 10:31        | 25                     | 20.5       | 1.2         | 0.0                                  | -                                       | Gas Well     |
| GP-19        | 10/19/2020   | 10:33        | 50                     | 20.5       | 1.2         | 0.0                                  | -                                       | Gas Well     |
| GP-19        | 10/19/2020   | 10:34        | 75                     | 20.5       | 1.2         | 0.0                                  | -                                       | Gas Well     |
| GP-20        | 10/19/2020   | 10:57        | 105                    | 18.3       | 1.4         | 0.0                                  | -                                       | Gas Well     |
| GP-21        | 10/19/2020   | 10:40        | 115                    | 14.5       | 0.2         | 0.0                                  | -                                       | Gas Well     |
| GP-22        | 10/20/2020   | 11:55        | 70                     | 19.4       | 0.0         | 0.0                                  | -                                       | Gas Well     |
| GP-23        | 10/20/2020   | 11:58        | 100                    | 10.2       | 2.6         | 0.0                                  | -                                       | Gas Well     |
| GP-24        | 10/19/2020   | 15:06        | 70                     | 19.4       | 0.0         | 0.0                                  | -                                       | Gas Well     |
| GP-25        | 10/19/2020   | 15:03        | 100                    | 19.4       | 0.0         | 0.0                                  | -                                       | Gas Well     |
| GP-26        | 10/19/2020   | 15:12        | 70                     | 18.7       | 2.0         | 0.0                                  | -                                       | Gas Well     |
| GP-27        | 10/19/2020   | 15:09        | 100                    | 17.6       | 2.4         | 0.0                                  | -                                       | Gas Well     |

CITRUS COUNTY CENTRAL LANDFILL  
LANDFILL GAS MONITORING RESULTS

Gas Monitoring Probes (Wells) and Structures  
Fourth Quarter 2020

General Data

|                   |                        |
|-------------------|------------------------|
| Sampler:          | Steve Messick          |
| Measuring Device: | Eagle RKI (SN E084039) |

| Date       | Time  | Air Temperature (deg C) | Sky Conditions           |
|------------|-------|-------------------------|--------------------------|
| 10/19/2020 | 8:48  | 23                      | Clear, Wind 0-4 mph S    |
| 10/19/2020 | 11:08 | 28                      | Clear, Wind 0-7 mph S/SE |
| 10/20/2020 | 9:00  | 25                      | Overcast                 |
| 10/20/2020 | 12:00 | 30                      | Cloudy, Wind 0-10 mph E  |

Sampling Data

| Station I.D.              | Date Sampled | Time Sampled | Depth of Intake (Feet) | O2 %Volume | CO2 %Volume | Methane                              |   | Station Type |
|---------------------------|--------------|--------------|------------------------|------------|-------------|--------------------------------------|---|--------------|
|                           |              |              |                        |            |             | Peak Recorded Concentration as % LEL | Peak Recorded Concentration as % Volume |              |
| GP-28                     | 10/19/2020   | 14:19        | 70                     | 18.5       | 3.2         | 0.0                                  | -                                       | Gas Well     |
| GP-29                     | 10/19/2020   | 14:23        | 100                    | 20.9       | 0.0         | 0.0                                  | -                                       | Gas Well     |
| GP-30                     | 10/19/2020   | 14:38        | 105                    | 19.4       | 1.6         | 0.0                                  | -                                       | Gas Well     |
| Admin Building            | 10/20/2020   | 9:10         | -                      | 20.9       | 0.0         | 0.0                                  | -                                       | Structure    |
| Mod Bldg                  | 10/20/2020   | 9:23         | -                      | 20.9       | 0.0         | 0.0                                  | -                                       | Structure    |
| Shop                      | 10/20/2020   | 9:19         | -                      | 20.9       | 0.0         | 0.0                                  | -                                       | Structure    |
| Scale House               | 10/20/2020   | 9:17         | -                      | 20.9       | 0.0         | 0.0                                  | -                                       | Structure    |
| Firing Range              | 10/19/2020   | 8:48         | -                      | 20.9       | 0.0         | 0.0                                  | -                                       | 7 Structures |
| Haz Waste Drop-Off Center | 10/20/2020   | 9:53         | -                      | 20.9       | 0.0         | 0.0                                  | -                                       | 4 Structures |
| Equipment Container 1     | 10/20/2020   | 9:40         | -                      | 20.9       | 0.0         | 0.0                                  | -                                       | Structure    |
| Storage Building          | 10/20/2020   | 9:21         | -                      | 20.9       | 0.0         | 0.0                                  | -                                       | Structure    |
| Small Shed                | 10/20/2020   | 9:26         | -                      | 20.9       | 0.0         | 0.0                                  | -                                       | Structure    |
| Cargo Container - Paints  | 10/20/2020   | 9:51         | -                      | 20.9       | 0.0         | 0.0                                  | -                                       | Structure    |

CITRUS COUNTY CENTRAL LANDFILL  
LANDFILL GAS MONITORING RESULTS

Groundwater Monitoring Wells and Piezometers  
Fourth Quarter 2020

General Data

|                   |                        |
|-------------------|------------------------|
| Sampler:          | Steve Messick          |
| Measuring Device: | Eagle RKI (SN E084039) |

| Date       | Time    | Air Temperature (deg C) | Sky Conditions            |
|------------|---------|-------------------------|---------------------------|
| 10/19/2020 | 8:35 AM | 23                      | Clear, Wind 0-4 mph S     |
| 10/20/2020 | 9:30 AM | 28                      | Overcast, Wind 0-10 mph E |

Sampling Data

| Station I.D. | Date Sampled | Time Sampled | O2 %Volume | CO2 %Volume | Methane                              |   | Station Type     |
|--------------|--------------|--------------|------------|-------------|--------------------------------------|---|------------------|
|              |              |              |            |             | Peak Recorded Concentration as % LEL | Peak Recorded Concentration as % Volume |                  |
| MW-1R        | 10/20/2020   | 11:40        | 12.3       | 5.8         | 0.0                                  | -                                       | Groundwater Well |
| MW-2         | 10/19/2020   | 10:22        | 10.6       | 11.0        | 0.0                                  | -                                       | Groundwater Well |
| MW-3         | 10/20/2020   | 9:58         | 6.5        | 32.6        | -                                    | 63.0                                    | Groundwater Well |
| MW-5         | 10/20/2020   | 10:29        | 7.8        | 21.6        | -                                    | 8.5                                     | Groundwater Well |
| MW-6         | 10/20/2020   | 10:24        | 5.7        | 37.2        | -                                    | 55.5                                    | Groundwater Well |
| MW-7         | 10/20/2020   | 10:08        | 6.2        | 39.0        | -                                    | 57.5                                    | Groundwater Well |
| MW-8R        | 10/19/2020   | 9:02         | 14.1       | 10.0        | 0.0                                  | -                                       | Groundwater Well |
| MW-9         | 10/19/2020   | 9:11         | 13.8       | 10.6        | 0.0                                  | -                                       | Groundwater Well |
| MW-10        | 10/20/2020   | 11:03        | 14.1       | 14.4        | 0.0                                  | -                                       | Groundwater Well |
| MW-11        | 10/19/2020   | 14:25        | 14.8       | 3.6         | 0.0                                  | -                                       | Groundwater Well |
| MW-12        | 10/19/2020   | 9:41         | 19.8       | 2.0         | 0.0                                  | -                                       | Groundwater Well |
| MW-13        | 10/19/2020   | 9:24         | 12.9       | 7.6         | 0.0                                  | -                                       | Groundwater Well |
| MW-14        | 10/19/2020   | 9:54         | 20.9       | 0.0         | 0.0                                  | -                                       | Groundwater Well |
| MW-15        | 10/19/2020   | 10:01        | 9.0        | 13.0        | 36                                   | -                                       | Groundwater Well |
| MW-16        | 10/20/2020   | 9:36         | 5.7        | 34.2        | -                                    | 65.5                                    | Groundwater Well |
| MW-17        | 10/19/2020   | 10:09        | 10.2       | 12.0        | 29                                   | -                                       | Groundwater Well |
| MW-18        | 10/20/2020   | 11:11        | 14.6       | 13.2        | 0.0                                  | -                                       | Groundwater Well |
| MW-18D       | 10/20/2020   | 11:16        | 19.2       | 1.6         | 0.0                                  | -                                       | Groundwater Well |
| MW-19        | 10/20/2020   | 10:57        | 18.9       | 2.0         | 0.0                                  | -                                       | Groundwater Well |
| MW-19D       | 10/20/2020   | 10:52        | 16.2       | 6.2         | 0.0                                  | -                                       | Groundwater Well |
| MW-20        | 10/20/2020   | 10:17        | 6.0        | 39.6        | -                                    | 59.5                                    | Groundwater Well |
| MW-21        | 10/20/2020   | 10:37        | 7.2        | 22.8        | -                                    | 9.5                                     | Groundwater Well |
| MW-22        | 10/20/2020   | 11:28        | 12.4       | 6.0         | 0.0                                  | -                                       | Groundwater Well |
| MW-AA        | 10/19/2020   | 9:33         | 15.1       | 5.6         | 0.0                                  | -                                       | Groundwater Well |
| MW-B         | 10/19/2020   | 8:41         | 18.5       | 8.8         | 0.0                                  | -                                       | Groundwater Well |

CITRUS COUNTY CENTRAL LANDFILL  
LANDFILL GAS MONITORING RESULTS

Groundwater Monitoring Wells and Piezometers  
Fourth Quarter 2020

General Data

|                   |                        |
|-------------------|------------------------|
| Sampler:          | Steve Messick          |
| Measuring Device: | Eagle RKI (SN E084039) |

| Date       | Time    | Air Temperature (deg C) | Sky Conditions            |
|------------|---------|-------------------------|---------------------------|
| 10/19/2020 | 8:35 AM | 23                      | Clear, Wind 0-4 mph S     |
| 10/20/2020 | 9:30 AM | 28                      | Overcast, Wind 0-10 mph E |

Sampling Data

| Station I.D. | Date Sampled | Time Sampled | O2 %Volume | CO2 %Volume | Methane                              |   | Station Type     |
|--------------|--------------|--------------|------------|-------------|--------------------------------------|---|------------------|
|              |              |              |            |             | Peak Recorded Concentration as % LEL | Peak Recorded Concentration as % Volume |                  |
| MW-E         | 10/19/2020   | 9:47         | 19.8       | 1.8         | 0.0                                  | -                                       | Groundwater Well |
| PZ-1         | 10/19/2020   | 9:15         | 20.9       | 0.0         | 0.0                                  | -                                       | Groundwater Well |
| PZ-2         | 10/20/2020   | 10:47        | 7.0        | 17.6        | 47                                   | -                                       | Groundwater Well |

Field Data  
and  
Instrument Calibration Record



CITRUS COUNTY CENTRAL LANDFILL  
LANDFILL GAS MONITORING RESULTS

General Data

Gas Monitoring Probes (Wells) and Structures

|                               |  |
|-------------------------------|--|
| Date: 10-19-20                | Sampler: Steve Messick                   |
| Time: 1108                    | Sky Conditions: Clear Wind 10-7 MPH S/SE |
| Air Temperature (deg C): 28°C | Measuring Device: Eagle RKI (SN E084039) |

Sampling Data

| Station I.D. | Date Sampled | Time Sampled | Depth of Intake (Feet) | O2 %Volume | CO2 %Volume | Methane                              |   | Station Type |
|--------------|--------------|--------------|------------------------|------------|-------------|--------------------------------------|---|--------------|
|              |              |              |                        |            |             | Peak Recorded Concentration as % LEL | Peak Recorded Concentration as % Volume |              |
| GP-1         |              |              | 20                     |            |             |                                      |   | Gas Well     |
| GP-1         |              |              | 40                     |            |             |                                      |   | Gas Well     |
| GP-2         | 10-19-20     | 1314         | 20                     | 18.2       | 3.2         | 0                                    | none                                    | Gas Well     |
| GP-2         |              | 1500         | 40                     | 13.1       | 6.2         | 0                                    | none                                    | Gas Well     |
| GP-3         |              | 1515         | 20                     | 19.3       | 1.8         | 0                                    | none                                    | Gas Well     |
| GP-3         |              | 1517         | 40                     | 19.4       | 1.8         | 0                                    | none                                    | Gas Well     |
| GP-4         |              | 1414         | 20                     | 18.2       | 3.6         | 0                                    | none                                    | Gas Well     |
| GP-4         |              | 1416         | 40                     | 18.1       | 3.8         | 0                                    | none                                    | Gas Well     |
| GP-5         |              | 1407         | 20                     | 17.6       | 4.2         | 0                                    | none                                    | Gas Well     |
| GP-5         |              | 1409         | 40                     | 18.0       | 3.8         | 0                                    | none                                    | Gas Well     |
| GP-6         |              | 1400         | 20                     | 18.5       | 3.0         | 0                                    | none                                    | Gas Well     |
| GP-6         |              | 1402         | 40                     | 18.5       | 3.0         | 0                                    | none                                    | Gas Well     |
| GP-7         |              | 1354         | 20                     | 18.8       | 2.6         | 0                                    | none                                    | Gas Well     |
| GP-7         |              | 1356         | 40                     | 18.7       | 2.6         | 0                                    | none                                    | Gas Well     |
| GP-8         |              | 1347         | 20                     | 18.1       | 2.4         | 0                                    | none                                    | Gas Well     |
| GP-8         |              | 1349         | 40                     | 17.7       | 2.4         | 0                                    | none                                    | Gas Well     |
| GP-9         |              | 1341         | 20                     | 19.1       | 2.2         | 0                                    | none                                    | Gas Well     |
| GP-9         |              | 1343         | 40                     | 19.1       | 2.2         | 0                                    | none                                    | Gas Well     |
| GP-10        |              | 1330         | 20                     | 14.1       | 7.4         | 0                                    | none                                    | Gas Well     |
| GP-10        |              | 1332         | 40                     | 14.4       | 7.0         | 0                                    | none                                    | Gas Well     |
| GP-11        |              | 1221         | 20                     | 19.0       | 1.8         | 0                                    | none                                    | Gas Well     |
| GP-11        |              | 1224         | 40                     | 17.0       | 2.2         | 0                                    | none                                    | Gas Well     |
| GP-12        |              | 1311         | 25                     | 19.6       | 1.8         | 0                                    | none                                    | Gas Well     |
| GP-12        |              | 1313         | 50                     | 19.6       | 1.8         | 0                                    | none                                    | Gas Well     |
| GP-12        |              | 1314         | 75                     | 17.8       | 1.6         | 0                                    | none                                    | Gas Well     |
| GP-13        |              | 1121         | 25                     | 18.3       | 2.2         | 0                                    | none                                    | Gas Well     |
| GP-13        |              | 1123         | 50                     | 18.0       | 2.2         | 0                                    | none                                    | Gas Well     |
| GP-13        |              | 1124         | 75                     | 18.1       | 2.0         | 0                                    | none                                    | Gas Well     |
| GP-14        |              | 1115         | 25                     | 19.8       | 1.2         | 0                                    | none                                    | Gas Well     |
| GP-14        |              | 1117         | 50                     | 19.4       | 1.2         | 0                                    | none                                    | Gas Well     |
| GP-14        |              | 1118         | 75                     | 19.4       | 1.2         | 0                                    | none                                    | Gas Well     |
| GP-15        |              | 1109         | 25                     | 20.3       | 1.4         | 0                                    | none                                    | Gas Well     |
| GP-15        |              | 1110         | 50                     | 20.3       | 1.4         | 0                                    | none                                    | Gas Well     |
| GP-15        |              | 1112         | 75                     | 20.6       | 1.0         | 0                                    | none                                    | Gas Well     |
| GP-16        |              | 1100         | 25                     | 19.8       | 1.4         | 0                                    | none                                    | Gas Well     |
| GP-16        |              | 1101         | 50                     | 19.6       | 1.6         | 0                                    | none                                    | Gas Well     |

CITRUS COUNTY CENTRAL LANDFILL  
LANDFILL GAS MONITORING RESULTS

General Data

Gas Monitoring Probes (Wells) and Structures

|                          |          |                   |                        |
|--------------------------|----------|-------------------|------------------------|
| Date:                    | 10-19-20 | Sampler:          | Steve Messick          |
| Time:                    | 1102     | Sky Conditions:   | Clear Wind 0-7MPH S/SE |
| Air Temperature (deg C): | 28°C     | Measuring Device: | Eagle RKI (SN E084039) |

Sampling Data

| Station I.D. | Date Sampled | Time Sampled | Depth of Intake (Feet) | O2 %Volume | CO2 %Volume | Methane                              |   | Station Type |
|--------------|--------------|--------------|------------------------|------------|-------------|--------------------------------------|---|--------------|
|              |              |              |                        |            |             | Peak Recorded Concentration as % LEL | Peak Recorded Concentration as % Volume |              |
| GP-16        | 10-19-20     | 1102         | 75                     | 19.6       | 1.4         | 0                                    | no odor                                 | Gas Well     |

CITRUS COUNTY CENTRAL LANDFILL  
LANDFILL GAS MONITORING RESULTS

General Data

Gas Monitoring Probes (Wells) and Structures

|                               |  |
|-------------------------------|--|
| Date: 10-19-20                | Sampler: Steve Massick                   |
| Time: 0848                    | Sky Conditions: Clear                    |
| Air Temperature (deg C): 23°C | Measuring Device: Eagle RKI (SN E084039) |
| Wind 0-4 MPH S                |  |

Sampling Data

| Station I.D.              | Date Sampled | Time Sampled | Depth of Intake (Feet) | O2 %Volume | CO2 %Volume | Methane                              |   | Station Type |
|---------------------------|--------------|--------------|------------------------|------------|-------------|--------------------------------------|---|--------------|
|                           |              |              |                        |            |             | Peak Recorded Concentration as % LEL | Peak Recorded Concentration as % Volume |              |
| GP-17                     | 10-19-20     | 1050         | 25                     | 15.6       | 4.8         | 0                                    | no odor                                 | Gas Well     |
| GP-17                     |              | 1051         | 50                     | 13.3       | 5.8         | 0                                    | none                                    | Gas Well     |
| GP-17                     |              | 1053         | 75                     | 14.9       | 5.0         | 0                                    | none                                    | Gas Well     |
| GP-18                     |              | 1042         | 25                     | 19.2       | 1.4         | 0                                    | none                                    | Gas Well     |
| GP-18                     |              | 1043         | 50                     | 18.9       | 1.6         | 0                                    | none                                    | Gas Well     |
| GP-18                     |              | 1045         | 75                     | 19.1       | 1.4         | 0                                    | none                                    | Gas Well     |
| GP-19                     |              | 1031         | 25                     | 20.5       | 1.2         | 0                                    | none                                    | Gas Well     |
| GP-19                     |              | 1033         | 50                     | 20.5       | 1.2         | 0                                    | none                                    | Gas Well     |
| GP-19                     |              | 1034         | 75                     | 20.5       | 1.2         | 0                                    | none                                    | Gas Well     |
| GP-20                     |              | 1057         | 105                    | 18.3       | 1.4         | 0                                    | CO2=85ppm none                          | Gas Well     |
| GP-21                     |              | 1040         | 115                    | 14.5       | 0.2         | 0                                    | none                                    | Gas Well     |
| GP-22                     |              |              | 70                     |            |             |                                      |   | Gas Well     |
| GP-23                     |              |              | 100                    |            |             |                                      |   | Gas Well     |
| GP-24                     |              | 1306         | 70                     | 19.4       | 0.0         | 0                                    | none                                    | Gas Well     |
| GP-25                     |              | 1503         | 100                    | 19.4       | 0.0         | 0                                    | none                                    | Gas Well     |
| GP-26                     |              | 1512         | 70                     | 18.7       | 2.0         | 0                                    | none                                    | Gas Well     |
| GP-27                     |              | 1509         | 100                    | 17.6       | 2.4         | 0                                    | none                                    | Gas Well     |
| GP-28                     |              | 1419         | 70                     | 18.5       | 3.2         | 0                                    | none                                    | Gas Well     |
| GP-29                     |              | 1423         | 100                    | 20.9       | 0.0         | 0                                    | none                                    | Gas Well     |
| GP-30                     |              | 1438         | 105                    | 19.4       | 1.6         | 0                                    | none                                    | Gas Well     |
| Admin Building            |              |              | -                      |            |             |                                      | CO=150ppm None                          | Structure    |
| Mod Bldg                  |              |              | -                      |            |             |                                      |   | Structure    |
| Shop                      |              |              | -                      |            |             |                                      |   | Structure    |
| Scale House               |              |              | -                      |            |             |                                      |   | Structure    |
| Firing Range              |              | 0848         | -                      | 20.9       | 0.0         | 0                                    | None                                    | 7 Structures |
| Haz Waste Drop-Off Center |              |              | -                      |            |             |                                      |   | 4 Structures |
| Equipment Container       |              |              | -                      |            |             |                                      |   | Structure    |
| Storage Building          |              |              | -                      |            |             |                                      |   | Structure    |
| Small Shed                |              |              | -                      |            |             |                                      |   |              |
|                           |              |              | -                      |            |             |                                      |   |              |
|                           |              |              | -                      |            |             |                                      |   |              |
|                           |              |              | -                      |            |             |                                      |   |              |
|                           |              |              | -                      |            |             |                                      |   |              |

CITRUS COUNTY CENTRAL LANDFILL  
LANDFILL GAS MONITORING RESULTS

General Data

Gas Monitoring Probes (Wells) and Structures

|                          |          |                   |                         |
|--------------------------|----------|-------------------|-------------------------|
| Date:                    | 10-20-20 | Sampler:          | Steve Messick           |
| Time:                    | 1200     | Sky Conditions:   | Cloudy Wind 0-10MPH E   |
| Air Temperature (deg C): | 30°C     | Measuring Device: | Eagle RKI (S/N E084039) |

Sampling Data

| Station I.D. | Date Sampled | Time Sampled | Depth of Intake (Feet) | O2 %Volume | CO2 %Volume | Methane                              |   | Station Type |
|--------------|--------------|--------------|------------------------|------------|-------------|--------------------------------------|---|--------------|
|              |              |              |                        |            |             | Peak Recorded Concentration as % LEL | Peak Recorded Concentration as % Volume |              |
| GP-1         | 10-20-20     | 1203         | 20                     | 18.3       | 2.6         | 0                                    | —                                       | Gas Well     |
| GP-1         | 10-20-20     | 1205         | 40                     | 18.5       | 2.6         | 0                                    | —                                       | Gas Well     |
| GP-2         |              |              | 20                     |            |             |                                      |   | Gas Well     |
| GP-2         |              |              | 40                     |            |             |                                      |   | Gas Well     |
| GP-3         |              |              | 20                     |            |             |                                      |   | Gas Well     |
| GP-3         |              |              | 40                     |            |             |                                      |   | Gas Well     |
| GP-4         |              |              | 20                     |            |             |                                      |   | Gas Well     |
| GP-4         |              |              | 40                     |            |             |                                      |   | Gas Well     |
| GP-5         |              |              | 20                     |            |             |                                      |   | Gas Well     |
| GP-5         |              |              | 40                     |            |             |                                      |   | Gas Well     |
| GP-6         |              |              | 20                     |            |             |                                      |   | Gas Well     |
| GP-6         |              |              | 40                     |            |             |                                      |   | Gas Well     |
| GP-7         |              |              | 20                     |            |             |                                      |   | Gas Well     |
| GP-7         |              |              | 40                     |            |             |                                      |   | Gas Well     |
| GP-8         |              |              | 20                     |            |             |                                      |   | Gas Well     |
| GP-8         |              |              | 40                     |            |             |                                      |   | Gas Well     |
| GP-9         |              |              | 20                     |            |             |                                      |   | Gas Well     |
| GP-9         |              |              | 40                     |            |             |                                      |   | Gas Well     |
| GP-10        |              |              | 20                     |            |             |                                      |   | Gas Well     |
| GP-10        |              |              | 40                     |            |             |                                      |   | Gas Well     |
| GP-11        |              |              | 20                     |            |             |                                      |   | Gas Well     |
| GP-11        |              |              | 40                     |            |             |                                      |   | Gas Well     |
| GP-12        |              |              | 25                     |            |             |                                      |   | Gas Well     |
| GP-12        |              |              | 50                     |            |             |                                      |   | Gas Well     |
| GP-12        |              |              | 75                     |            |             |                                      |   | Gas Well     |
| GP-13        |              |              | 25                     |            |             |                                      |   | Gas Well     |
| GP-13        |              |              | 50                     |            |             |                                      |   | Gas Well     |
| GP-13        |              |              | 75                     |            |             |                                      |   | Gas Well     |
| GP-14        |              |              | 25                     |            |             |                                      |   | Gas Well     |
| GP-14        |              |              | 50                     |            |             |                                      |   | Gas Well     |
| GP-14        |              |              | 75                     |            |             |                                      |   | Gas Well     |
| GP-15        |              |              | 25                     |            |             |                                      |   | Gas Well     |
| GP-15        |              |              | 50                     |            |             |                                      |   | Gas Well     |
| GP-15        |              |              | 75                     |            |             |                                      |   | Gas Well     |
| GP-16        |              |              | 25                     |            |             |                                      |   | Gas Well     |
| GP-16        |              |              | 50                     |            |             |                                      |   | Gas Well     |
| GP-16        |              |              | 75                     |            |             |                                      |   | Gas Well     |

CITRUS COUNTY CENTRAL LANDFILL  
LANDFILL GAS MONITORING RESULTS

General Data

Gas Monitoring Probes (Wells) and Structures

|                          |          |                   |                        |
|--------------------------|----------|-------------------|------------------------|
| Date:                    | 10-20-20 | Sampler:          | Steve Messick          |
| Time:                    | 0906     | Sky Conditions:   | overcast               |
| Air Temperature (deg C): | 25°C     | Measuring Device: | Eagle RKI (SN E084039) |

Sampling Data

| Station I.D.              | Date Sampled | Time Sampled | Depth of Intake (Feet) | O2 %Volume | CO2 %Volume | Methane                              |   | Station Type |
|---------------------------|--------------|--------------|------------------------|------------|-------------|--------------------------------------|---|--------------|
|                           |              |              |                        |            |             | Peak Recorded Concentration as % LEL | Peak Recorded Concentration as % Volume |              |
| GP-17                     | 10-20-20     |              | 25                     |            |             |                                      |   | Gas Well     |
| GP-17                     |              |              | 50                     |            |             |                                      |   | Gas Well     |
| GP-17                     |              |              | 75                     |            |             |                                      |   | Gas Well     |
| GP-18                     |              |              | 25                     |            |             |                                      |   | Gas Well     |
| GP-18                     |              |              | 50                     |            |             |                                      |   | Gas Well     |
| GP-18                     |              |              | 75                     |            |             |                                      |   | Gas Well     |
| GP-19                     |              |              | 25                     |            |             |                                      |   | Gas Well     |
| GP-19                     |              |              | 50                     |            |             |                                      |   | Gas Well     |
| GP-19                     |              |              | 75                     |            |             |                                      |   | Gas Well     |
| GP-20                     |              |              | 105                    |            |             |                                      |   | Gas Well     |
| GP-21                     |              |              | 115                    |            |             |                                      |   | Gas Well     |
| GP-22                     |              | 1155         | 70                     | 19.4       | 0.0         | <del>Ø</del>                         | 50/50 ppm                               | Gas Well     |
| GP-23                     |              | 1158         | 100                    | 10.2       | 2.6         | <del>Ø</del>                         |   | Gas Well     |
| GP-24                     |              |              | 70                     |            |             |                                      |   | Gas Well     |
| GP-25                     |              |              | 100                    |            |             |                                      |   | Gas Well     |
| GP-26                     |              |              | 70                     |            |             |                                      |   | Gas Well     |
| GP-27                     |              |              | 100                    |            |             |                                      |   | Gas Well     |
| GP-28                     |              |              | 70                     |            |             |                                      |   | Gas Well     |
| GP-29                     |              |              | 100                    |            |             |                                      |   | Gas Well     |
| GP-30                     |              |              | 105                    |            |             |                                      |   | Gas Well     |
| Admin Building            |              | 0910         | -                      | 20.9       | 0.0         | <del>Ø</del>                         |   | Structure    |
| Mod Bldg                  |              | 0923         | -                      |            |             |                                      |   | Structure    |
| Shop                      |              | 0919         | -                      |            |             |                                      |   | Structure    |
| Scale House               |              | 0917         | -                      | 20.9       | 0.0         | <del>Ø</del>                         |   | Structure    |
| Firing Range              |              |              | -                      |            |             |                                      |   | 7 Structures |
| Haz Waste Drop-Off Center |              | 0953         | -                      | 20.9       | 0.0         | <del>Ø</del>                         |   | 4 Structures |
| Equipment Container       |              | 0940         | -                      | 20.9       | 0.0         | <del>Ø</del>                         |   | Structure    |
| Storage Building          |              | 0921         | -                      | 20.9       | 0.0         | <del>Ø</del>                         |   | Structure    |
| Small Shed                |              | 0926         | -                      | 20.9       | 0.0         | <del>Ø</del>                         |   | Structure    |
| Cargo - Paints            |              | 0951         | -                      | 20.9       | 0.0         | <del>Ø</del>                         |   | Temporary    |
|                           |              |              | -                      |            |             |                                      |   |              |
|                           |              |              | -                      |            |             |                                      |   |              |
|                           |              |              | -                      |            |             |                                      |   |              |

Cargo

CITRUS COUNTY CENTRAL LANDFILL  
LANDFILL GAS MONITORING RESULTS

Groundwater Monitoring Wells and Piezometers

General Data

|                               |                |  |  |
|-------------------------------|----------------|--|--|
| Date: 10-19-20                |                | Sampler: Steve Messick                   |  |
| Time: 0835                    |                | Sky Conditions: Clear                    |  |
| Air Temperature (deg C): 23°C | Wind 0-4 mph S | Measuring Device: Eagle RKI (SN E084039) |  |

Sampling Data

| Station I.D. | Date Sampled | Time Sampled | O2 %Volume | CO2 %Volume | Methane                              |   | Odon | Station Type     |
|--------------|--------------|--------------|------------|-------------|--------------------------------------|---|------|------------------|
|              |              |              |            |             | Peak Recorded Concentration as % LEL | Peak Recorded Concentration as % Volume |      |                  |
| MW-1R        | 10-19-20     |              |            |             |                                      |   |      | Groundwater Well |
| MW-2         |              | 1022         | 10.6       | 11.0        | 0                                    | —                                       | none | Groundwater Well |
| MW-3         |              |              |            |             |                                      |   |      | Groundwater Well |
| MW-5         |              |              |            |             |                                      |   |      | Groundwater Well |
| MW-6         |              |              |            |             |                                      |   |      | Groundwater Well |
| MW-7         |              |              |            |             |                                      |   |      | Groundwater Well |
| MW-8R        | 7            | 0902         | 14.1       | 10.0        | 0                                    | —                                       | None | Groundwater Well |
| MW-9         |              | 0911         | 13.8       | 10.6        | 0                                    | —                                       | None | Groundwater Well |
| MW-10        |              |              |            |             |                                      |   |      | Groundwater Well |
| MW-11        |              | 1425         | 14.8       | 3.6         | 0                                    | —                                       | none | Groundwater Well |
| MW-12        |              | 0941         | 19.8       | 2.0         | 0                                    | —                                       | None | Groundwater Well |
| MW-13        |              | 0924         | 12.9       | 7.6         | 0                                    | —                                       | none | Groundwater Well |
| MW-14        |              | 0954         | 20.9       | 0.0         | 0                                    | —                                       | None | Groundwater Well |
| MW-15        |              | 1001         | 9.0        | 13.0        | 36                                   | —                                       | None | Groundwater Well |
| MW-16        |              |              |            |             |                                      |   |      | Groundwater Well |
| MW-17        |              | 1009         | 10.2       | 12.0        | 29                                   | —                                       | none | Groundwater Well |
| MW-18        |              |              |            |             |                                      |   |      | Groundwater Well |
| MW-18D       |              |              |            |             |                                      |   |      | Groundwater Well |
| MW-19        |              |              |            |             |                                      |   |      | Groundwater Well |
| MW-19D       |              |              |            |             |                                      |   |      | Groundwater Well |
| MW-20        |              |              |            |             |                                      |   |      | Groundwater Well |
| MW-21        |              |              |            |             |                                      |   |      | Groundwater Well |
| MW-22        |              |              |            |             |                                      |   |      | Groundwater Well |
| MW-AA        |              | 0933         | 15.1       | 5.6         | 0                                    | —                                       | none | Groundwater Well |
| MW-B         |              | 0841         | 18.5       | 8.8         | 0                                    | —                                       | none | Groundwater Well |
| MW-E         |              | 0947         | 19.8       | 1.8         | 0                                    | —                                       | None | Groundwater Well |
| PZ-1         |              | 0915         | 20.9       | 0.0         | 0                                    | —                                       | none | Groundwater Well |
| PZ-2         |              |              |            |             |                                      |   |      | Groundwater Well |

CITRUS COUNTY CENTRAL LANDFILL  
LANDFILL GAS MONITORING RESULTS

Groundwater Monitoring Wells and Piezometers

General Data

|                          |          |                   |                            |
|--------------------------|----------|-------------------|----------------------------|
| Date:                    | 10-20-20 | Sampler:          | Steve Messick              |
| Time:                    | 0930     | Sky Conditions:   | Overcast - wind 0-10 MPH E |
| Air Temperature (deg C): | 28°C     | Measuring Device: | Eagle RKI (SN E084039)     |

Sampling Data

| Station I.D. | Date Sampled | Time Sampled | O2 %Volume | CO2 %Volume | Methane                              |   | Odor | Station Type     |
|--------------|--------------|--------------|------------|-------------|--------------------------------------|---|------|------------------|
|              |              |              |            |             | Peak Recorded Concentration as % LEL | Peak Recorded Concentration as % Volume |      |                  |
| MW-1R        | 10-20-20     | 1140         | 12.8       | 5.8         | <del>Ø</del>                         | —                                       | none | Groundwater Well |
| MW-2         |              |              |            |             |                                      |   |      | Groundwater Well |
| MW-3         |              | 0958         | 6.5        | 32.6        | —                                    | 63.0                                    | none | Groundwater Well |
| MW-5         |              | 1029         | 7.8        | 21.6        | —                                    | 8.5                                     | none | Groundwater Well |
| MW-6         |              | 1024         | 5.7        | 37.2        | —                                    | 55.5                                    | none | Groundwater Well |
| MW-7         |              | 1008         | 6.2        | 39.0        | —                                    | 57.5                                    | none | Groundwater Well |
| MW-8R        |              |              |            |             |                                      |   |      | Groundwater Well |
| MW-9         |              |              |            |             |                                      |   |      | Groundwater Well |
| MW-10        |              | 1103         | 14.1       | 14.4        | Ø                                    | —                                       | none | Groundwater Well |
| MW-11        |              |              |            |             |                                      |   |      | Groundwater Well |
| MW-12        |              |              |            |             |                                      |   |      | Groundwater Well |
| MW-13        |              |              |            |             |                                      |   |      | Groundwater Well |
| MW-14        |              |              |            |             |                                      |   |      | Groundwater Well |
| MW-15        |              |              |            |             |                                      |   |      | Groundwater Well |
| MW-16        | 10-20-20     | 0936         | 5.7        | 34.2        | —                                    | 65.5                                    | None | Groundwater Well |
| MW-17        |              |              |            |             |                                      |   |      | Groundwater Well |
| MW-18        |              | 1111         | 14.6       | 13.2        | Ø                                    | —                                       | none | Groundwater Well |
| MW-18D       |              | 1116         | 19.2       | 1.6         | Ø                                    | —                                       | none | Groundwater Well |
| MW-19        |              | 1057         | 18.9       | 2.0         | Ø                                    | —                                       | none | Groundwater Well |
| MW-19D       |              | 1052         | 16.2       | 6.2         | Ø                                    | —                                       | none | Groundwater Well |
| MW-20        |              | 1017         | 6.0        | 39.6        | —                                    | 59.5                                    | none | Groundwater Well |
| MW-21        |              | 1037         | 7.2        | 22.8        | —                                    | 9.5                                     | none | Groundwater Well |
| MW-22        |              | 1128         | 12.4       | 6.0         | Ø                                    | —                                       | none | Groundwater Well |
| MW-AA        |              |              |            |             |                                      |   |      | Groundwater Well |
| MW-B         |              |              |            |             |                                      |   |      | Groundwater Well |
| MW-E         |              |              |            |             |                                      |   |      | Groundwater Well |
| PZ-1         |              |              |            |             |                                      |   |      | Groundwater Well |
| PZ-2         |              | 1047         | 7.0        | 17.6        | 47                                   |   |      | Groundwater Well |

Form FD 9000-8: FIELD INSTRUMENT CALIBRATION RECORDS

SITE NAME Citrus County Central DATE 10-19-20 ~~10-20-20~~

INSTRUMENT (MAKE/MODEL#) Eagle Multi-Gas Detector INSTRUMENT # GNV 80023\*

Instrument Calibration Date 11/11/16 Reference Meter Book Eagle Meter Book 1

PARAMETER: [check only one]

- TEMPERATURE     CONDUCTIVITY     SALINITY     pH     ORP  
 TURBIDITY     RESIDUAL CI     DO     OTHER LANDFILL GAS

STANDARDS: [Specify the type(s) of standards used for calibration, the origin of the standards, the standard values, and the date the standards were prepared or purchased]

Standard A 15.09 % Methane (Volume), 14.81 % CO<sub>2</sub> (Volume), Balance Nitrogen

Standard Source Airgas Lot # 122-401499459-1

Standard B Zero Air (0 % Methane) (0% CO<sub>2</sub>) ( % O<sub>2</sub>)

Standard Source Airgas Lot # 55-400483127-1

Standard C % LEL Methane, % CO<sub>2</sub> (Volume), 0% O<sub>2</sub> (Volume), Bal Nitrogen

Standard Source \_\_\_\_\_ Lot # \_\_\_\_\_

| DATE<br>(yy/mm/dd) | TIME<br>(hr:min) | STD<br>(A,<br>B,<br>C) | CH <sub>4</sub><br>STD<br>VALUE<br>(% Vol) | CO <sub>2</sub><br>STD<br>VALUE<br>(% Vol) | O <sub>2</sub><br>STD<br>VALUE<br>(% Vol) | INSTRUMENT RESPONSE (%)<br>DEVIATION (LIMITS +/- 5%) |     |                 |     |                |     | CALIB-<br>RATED<br>(YES,<br>NO) | TYPE<br>(INIT,<br>CONT) | SAMPLER<br>INITIALS |
|--------------------|------------------|------------------------|--|--|---|--|-----|-----------------|-----|----------------|-----|---------------------------------|-------------------------|---------------------|
|                    |                  |                        |  |  |   | CH <sub>4</sub>                                      |     | CO <sub>2</sub> |     | O <sub>2</sub> |     |                                 |                         |                     |
|                    |                  |                        |  |  |   | RES  | DEV | RES             | DEV | RES            | DEV |                                 |                         |                     |
| 20/10/19           | 0829             | A                      | 15.09                                      | 14.81                                      | —   | 15.0   | <1  | 14.8            | <1  | —              | —   | Yes                             | Init.                   | mm                  |
|                    | 0931             | B                      | —  | —  | 21.0                                      | —  | —   | —               | —   | 20.9           | <1  | Yes                             | Init.                   | mm                  |
|                    | 1149             | A                      | 15.09                                      | 14.81                                      | —   | 15.0   | <1  | 15.0            | <2  | —              | —   | Yes                             | Cont.                   | mm                  |
|                    | 1152             | B                      | —  | —  | 21.0                                      | —  | —   | —               | —   | 20.9           | <1  | Yes                             | Cont.                   | mm                  |
|                    | 1522             | A                      | 15.09                                      | 14.81                                      | —   | 15.0   | <1  | 15.2            | <3  | —              | —   | Yes                             | Cont.                   | mm                  |
|                    | 1523             | B                      | —  | —  | 21.0                                      | —  | —   | —               | —   | 20.9           | <1  | Yes                             | Cont.                   | mm                  |
| 20/10/20           | 0858             | A                      | 15.09                                      | 14.81                                      | —   | 15.0   | <1  | 14.8            | <1  | —              | —   | Yes                             | Init.                   | mm                  |
|                    | 0900             | B                      | —  | —  | 21.0                                      | —  | —   | —               | —   | 20.9           | <1  | Yes                             | Init.                   | mm                  |
|                    | 1212             | A                      | 15.09                                      | 14.81                                      | —   | 15.0   | <1  | 15.0            | <2  | —              | —   | Yes                             | Cont.                   | mm                  |
|                    | 1215             | B                      | —  | —  | 21.0                                      | —  | —   | —               | —   | 20.9           | <1  | Yes                             | Cont.                   | mm                  |
|                    |                  |                        |  |  |   |  |     |                 |     |                |     |                                 |                         |                     |
|                    |                  |                        |  |  |   |  |     |                 |     |                |     |                                 |                         |                     |
|                    |                  |                        |  |  |   |  |     |                 |     |                |     |                                 |                         |                     |
|                    |                  |                        |  |  |   |  |     |                 |     |                |     |                                 |                         |                     |

\* Eagle SN E084039