

Johnson, Sabrina O

From: SWD_Clerical
Sent: Monday, August 30, 2021 9:06 AM
To: SWD_Waste
Subject: FW: File Transfer: 2021 First Semiannual NSPS and SSM Compliance Report - Southeast County Landfill (Facility ID 05708 - Hillsborough Co Active LF FY 2021 Q3- Q4)

Good Morning!

Please see email below; Let me know if this should be directed elsewhere.

Thank you!
Marie

From: Bloomer, Allen <Allen.Bloomer@FloridaDEP.gov> **On Behalf Of** DEP_CD
Sent: Friday, August 27, 2021 4:55 PM
To: SWD_Clerical <SWD_Clerical@dep.state.fl.us>
Subject: FW: File Transfer: 2021 First Semiannual NSPS and SSM Compliance Report - Southeast County Landfill (Facility ID 05708 - Hillsborough Co Active LF FY 2021 Q3- Q4)

This is showing as Hillsborough County

From: Ammon, Pamela
Sent: Friday, August 27, 2021 4:50 PM
To: DEP_CD <DEP_CD@dep.state.fl.us>
Subject: FW: File Transfer: 2021 First Semiannual NSPS and SSM Compliance Report - Southeast County Landfill (Facility ID 05708 - Hillsborough Co Active LF FY 2021 Q3- Q4)

From: Laila Al-Khalaf <LAI-Khalaf@scsengineers.com>
Sent: Friday, August 27, 2021 4:08 PM
To: Ammon, Pamela <Pamela.Ammon@dep.state.fl.us>
Subject: File Transfer: 2021 First Semiannual NSPS and SSM Compliance Report - Southeast County Landfill (Facility ID 05708 - Hillsborough Co Active LF FY 2021 Q3- Q4)

Project: 09215600.12 Hillsborough Co Active LF FY 2021 Q3- Q4

Notification about File Transfer **2021 First Semiannual NSPS and SSM Compliance Report - Southeast County Landfill (Facility ID 0570854)**

A transfer (File Transfer) has arrived on the SCS Engineers Info Exchange Site.

Remarks

To Whom it May Concern,

Please accept the attached 2021 First Semiannual NSPS and SSM Compliance Report for the Southeast County Landfill (Facility ID 0570854) located in Hillsborough County, Florida.

Per FDEP direction a hard copy of this report will not be sent unless requested, however a hard copy of the report will be kept on site as required.

Please respond to this email acknowledging your receipt of this submittal and let us know if you have questions or require additional information.

Thank you,

Laila Al-Khalaf, E.I.
Staff Professional
SCS Engineers
3922 Coconut Palm Drive, Suite 102
Tampa, FL 33619
813.270.0518 (C)
lal-khalaf@scsengineers.com

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File Transfer Info

To: Steve.Morgan@FloridaDEP.gov; Pamela.Ammon@dep.state.fl.us;
Ivie.Metzen@FloridaDEP.gov; Danny.Stubbs@FloridaDEP.gov;
Michael.Lynch@dep.state.fl.us

CC: Larry Ruiz, SC (Hillsborough, County of); Kollan Spradlin (SCS Engineers); Kimberly Byer (Hillsborough County, FL); Dan Cooper (SCS Engineers); Stephen Townsend (SCS Engineers); Walter Gray (Hillsborough, County of); Laila Al-Khalaf (SCS Engineers)

Expiration Date: None

Transferred Files

Hillsborough 1st Semiannual 2021 NSPS Report.pdf	8/27/2021	2:30 PM	29,309 KB
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August 24, 2021
File No. 09215600.12
Air Compliance Section
Florida Department of Environmental Protection
Southwest District
13051 North Telecom Parkway
Temple Terrace, Florida 33637-0926

via e-mail: SWD_Air@dep.state.fl.us

Subject: Southeast County Landfill, Hillsborough County, Florida
Semiannual NSPS and SSM Compliance Report
January 1, 2021 to June 30, 2021
Facility ID: 0570854

Dear Sir/Madam:

On behalf of Hillsborough County Public Utilities Department, Solid Waste Management Division (SWMD), SCS Engineers (SCS) is submitting the 2021 First Semiannual New Source Performance Standards (NSPS) and Startup, Shutdown, and Malfunction (SSM) Compliance Report for the Southeast County Landfill. In addition, to satisfy the requirement of Appendix RR Condition RR4, it should be noted that there were no other deviations beyond those noted in this report from the Title V permit requirements during the reporting period from January 1, 2021 to June 30, 2021.

Please contact SCS at 813-621-0080 should you have any questions or require additional information.

Sincerely,



Stephen W. Townsend, E.I.
Project Professional
SCS Engineers



Daniel R. Cooper, P.E.
Vice President
SCS Engineers

Enclosure

2021 FIRST SEMIANNUAL NSPS, TITLE V, AND SSM COMPLIANCE REPORT SOUTHEAST COUNTY LANDFILL FACILITY ID: 0570854

Submitted to:

Florida Department of Environmental Protection
Southwest District Office – Air Compliance
13051 N. Telecom Pkwy.
Temple Terrace, Florida 33637

Submitted by:

Hillsborough County
Public Utilities Department
Solid Waste Management Division
332 N. Falkenburg Road
Tampa, Florida 33619

SCS ENGINEERS

09215600.12 | August 24, 2021

3922 Coconut Palm Drive, Suite 102
Tampa, Florida 33619
(813) 621-0080

**2021 First Semiannual
New Source Performance Standards (NSPS), Title V
and Startup, Shutdown, and Malfunction (SSM) Compliance Report**

**Southeast County Landfill, Hillsborough County, Florida
Facility ID: 0570854**

Submitted to:

Florida Department of Environmental Protection
Southwest District Office – Air Compliance
13051 N. Telecom Pkwy.
Temple Terrace, Florida 33637

Submitted by:

Hillsborough County
Public Utilities Department
Solid Waste Management Division
332 N. Falkenburg Road
Tampa, Florida 33619

Prepared by:

SCS ENGINEERS
3922 Coconut Palm Drive, Suite 102
Tampa, Florida 33619
(813) 621-0080

August 24, 2021

09215600.12



8/27/21

Daniel R. Cooper, P.E.
No. 66440

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- Appendix 3 Surface Emissions Monitoring Results
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- Appendix 3 – 2 Second Quarter Surface Emissions Monitoring Results

RESPONSIBLE OFFICIAL CERTIFICATION

Facility Name: Southeast County Landfill

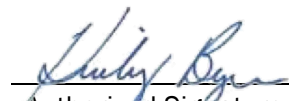
Facility Address: 15960 County Road 672, Lithia, Florida 33547

Facility/Permit No: 0570854-012-AV

Report Certified: 2021 First Semiannual New Source Performance Standards
Compliance Report
January 1, 2021 to June 30, 2021

Certification:

I, being a responsible official for the facility, hereby certify that, based on the information and beliefs formed after reasonable inquiry, the statements made in this report are true, accurate, and complete.



Authorized Signature

8/26/2021

Date

Kimberly A. Byer, Solid Waste Management Division Director

Printed or Typewritten Name & Title

**STARTUP, SHUTDOWN, AND MALFUNCTION PLAN SEMIANNUAL REPORT
CERTIFICATION STATEMENT**

**FOR MUNICIPAL SOLID WASTE LANDFILL
GAS COLLECTION AND CONTROL SYSTEM (GCCS)**

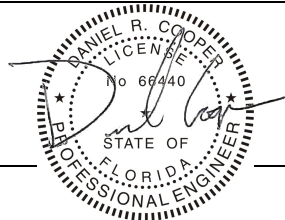
**SOUTHEAST COUNTY LANDFILL
HILLSBOROUGH COUNTY, FLORIDA**

This semiannual startup, shutdown, and malfunction (SSM) plan report was prepared in order to comply with the requirements set forth in the Landfill's SSM plan and in accordance with 40 CFR 63.6(d)(5)(i) requirements. Unless otherwise noted in this report, all actions taken during the reporting period were consistent with the Landfill's SSM Plan. A copy of the SSM Plan and all revisions/addenda are kept on file at the facility for at least five (5) years and are available to appropriate regulatory agency personnel for inspection.

Name of Report
Preparer:

Daniel R. Cooper, P.E.

Name



Signature

8/27/2021

Date

I certify that, to the best of my knowledge and belief, the information provided in this report is complete and accurate.

Landfill Responsible
Official:

Kimberly A. Byer, Solid Waste Management Division Director

Name

Handwritten signature of Kimberly A. Byer in blue ink.

Signature

8/26/2021

Date

INTRODUCTION

On behalf of the Hillsborough County Public Utilities Department, Solid Waste Management Division (SWMD), SCS Engineers (SCS) has prepared this Semiannual New Source Performance Standards (NSPS) and Startup, Shutdown, and Malfunction (SSM) Plan - Compliance Report for the Southeast County Landfill (SCLF) for the period of January 1, 2021 to June 30, 2021.

The SCLF is regulated by the federal NSPS for municipal solid waste landfills (Subpart WWW and Subpart OOO) and Subpart AAAA of the National Emission Standards for Hazardous Air Pollutants (NESHAP). The regulations outlined in Subpart OOO were finalized on June 20, 2021, therefore, SCLF will comply in coordination with Subpart OOO for all monitoring and reporting requirements going forward. The intent of the NESHAP is to protect public health by requiring sources to control emissions of hazardous air pollutants to the level reflecting the maximum achievable control technology (MACT). Hence, this standard is commonly referred to as the MACT AAAA rule. Title 40 of the Code of Federal Regulations (CFR) Subpart AAAA, Part 63.1980(a) requires that the SWMD submit the NSPS summary reports required by 40 CFR 60.757(f) every six months instead of on an annual basis.

In addition, the SWMD is required by 40 CFR 63.10(a)(5) to submit a semiannual SSM Plan report detailing actions taken during SSM events of the affected source that are consistent with the site's SSM Plan. This report meets the requirements for this rule.

SITE BACKGROUND

The SCLF encompasses approximately 745 acres located at 15960 County Road 672, Lithia, in Hillsborough County, Florida. The Class I landfill currently consists of Phase I-VI (162.4 acres) and Sections 7, 8, and 9 (12.5, 6.8, and 15 acres, respectively). The SCLF has an active landfill gas (LFG) collection system which collects LFG and transports it to the site's control device, an open candlestick LFG flare device.

SYSTEM DESCRIPTION

The SCLF Gas Collection and Control System (GCCS) is currently active on Phase I-VI and Capacity Expansion Area (CEA) Sections 7, 8, and 9 and includes 78 vertical gas extraction wells (EWs); 35 horizontal collectors (HCs); 2 dewatering wells (DWs); header and lateral piping of various sizes; force main and air supply lines; condensate management system; isolation valves for airlines, condensate, and landfill gas, and; a flare station for combustion of the collected gas. The GCCS became operational on December 16, 2009, and the SCLF became NSPS compliant on January 19, 2010. Expansion of the GCCS into Section 9 was completed and active on May 15, 2013. The two DWs were installed in 2017 and are connected to the gas system. Each DW was installed with two well casings, each with individual wellheads.

As a result of a sinkhole development along the west side of Phase VI in December 2010, EW-10 and EW-11 were abandoned. Replacement wells EW-10B and EW-11B, as well as an additional well, EW-10C, were installed during the sinkhole remediation. Installations of these wells were completed in June 2014, and monitoring began in July 2014.

There are a total of 35 HCs at the SCLF (21 on Phases I-VI and 14 on Sections 7-9). In past Semiannual Reports, the HCs topped with less than 20 feet of waste were not reported per Section 5.13.1 of the GCCS Design Plan dated July 11, 2008. Per correspondence with the Florida

Department of Environmental Protection (FDEP) in May 2019, all HCs installed at SCLF are subject to NSPS compliance. All 35 HCs are now tracked and reported.

On November 22, 2019, an Alternate Monitoring Procedure (AMP) request was submitted to FDEP and was approved on April 2, 2020. This request provided an AMP for the following horizontal collectors: HC-1, HC-2, HC-4, HC-5R, HC-6R, HC-8, HC-10, HC-11, HC-12, HC-13, HC-15, HC-16, HC-17, HC-19, and HC-26S. On April 20, 2020, a second AMP request was submitted to FDEP and was approved on April 30, 2020. This request provided an AMP for the following vertical extraction wells: EW-10B, EW-10C, and EW-11B. A third request for an AMP was submitted on May 8, 2020 and was approved on May 21, 2020. This request provided an AMP for the following horizontal collectors: HC-7, HC-18, HC-21, HC-27N, HC-28N, and HC-30S. All three AMPs are currently active for the SCLF.

EXCEEDANCES OF MONITORED PARAMETERS

In accordance with 40 CFR 60.757(f)(1), exceedances of the applicable parameters: percent oxygen, gas temperature, and pressure (measured in inches of water column), are listed below. **Attachment 1** contains the wellhead monitoring data for pressure, oxygen, and temperature for the extraction wells in Phases I-VI and CEA at the SCLF during the reporting period. Items of non-compliance are noted within this table. During this reporting period, extraction well EW-67 was not monitored in the month of February. Additionally, extraction wells EW-63 and EW-64 were not monitored in the month of June. These three wells were located in an unsafe area in the active face at the time of monitoring.

Wellhead Pressure

40 CFR 60.756(a)(1) requires monthly measurement of gauge pressure at each EW in the GCCS. The wellhead assembly contains quick connect instrument ports compatible with a Landtec GEM-5000 landfill gas monitoring instrument or equivalent for measuring gas flow and gas quality. The GEM-5000 is a multifunctional, infrared gas analyzer that is capable of measuring pressure, gas composition, temperature, and flow rates. Per 40 CFR 60.753(b), each well must be operated under negative pressure except in the presence of a subsurface fire or elevated well temperature, utilization of a geomembrane cap, or if a well is decommissioned.

Attachment 1 contains all wellhead data and indicates when pressure exceedances that occurred during the reporting period.

Wellhead Oxygen Concentration

Section 60.753(c) of the NSPS requires that each well or collector be operated so that the collected LFG contains less than five percent oxygen by volume. This parameter is monitored to identify whether excess air infiltration is occurring.

Attachment 1 contains all wellhead data and indicates when oxygen exceedances occurred during the reporting period. Wells with AMPs whose oxygen readings are above 5% by volume are not considered exceedances.

Wellhead Temperature

Section 60.753(c) of the NSPS requires that each well or collector be operated so that the collected LFG temperature is less than 131°F. No exceedances for elevated temperature were recorded during the reporting period.

Attachment 1 contains all wellhead data and indicates when temperature exceedances occurred during this reporting period.

GAS STREAM DIVERSION

In accordance with 40 CFR 60.757(f)(2), a description and duration of all periods when the gas stream is diverted does not apply to the SCLF. Because the blower/flare system is designed not to allow the bypass of the gas stream to the atmosphere, at no time did gas bypass the control devices, or vent freely without combustion.

CONTROL DEVICE DOWNTIME

Section 60.757(f)(3) requires a description and duration of all periods when the control devices (i.e., flare) were not operating for a period exceeding one hour while the gas collection system was in operation. A list of flare downtimes for the reporting period is included in **Attachment 2**.

COLLECTION SYSTEM DOWNTIME

Section 60.757(f)(4) requires the owner to report all periods when the collection system was not operating in excess of five days. At times, due to electrical failure, LFG system maintenance, or equipment problems, the GCCS was shut down for brief periods of time. Collection system downtime at the SCLF did not exceed five consecutive days (120 hours) during this reporting period.

SURFACE EMISSIONS MONITORING EXCEEDANCES

Two rounds of quarterly methane surface emissions monitoring were performed at the landfill during this reporting period and a summary of the monitoring activities is presented in **Table 1**. This monitoring was performed in accordance with the site-specific GCCS Design Plan, the Title V Permit, and the requirements of 40 CFR 60.755(c) and (d) and 40 CFR 60, Appendix A, Method 21. The initial monitoring events for the first and second quarters of 2021 were initiated on February 1 - February 2 and June 1 - June 2, respectively. Copies of the surface emissions monitoring reports are included in **Attachment 3**.

Table 1. Surface Emissions Monitoring Summary

Monitoring Event	Date of Initial Monitoring	Number of Exceedance Locations	Date of 10-Day Monitoring Event	Date of 20-Day Monitoring Event	Date of 1-Month Monitoring Event
1 st Quarter	02/1/2021-02/2/2021	0	N/A	N/A	N/A
2 nd Quarter	06/1/2021-06/2/2021	4	6/2/2021	N/A	7/1/2021

First Quarter 2021

The first quarter surface emissions monitoring event was performed on February 1 and February 2, 2021. There were no exceedances detected during this event. The first quarter surface emissions monitoring report is included in **Attachment 3-1**.

Second Quarter 2021

The second quarter surface emissions monitoring event was performed on June 1 and June 2, 2021. There were four (4) exceedances detected during this event. The 10-day monitoring event took place on June 2, 2021 and June 9, 2021 and the 1-month monitoring event took place on July 1, 2021. No exceedances were recorded during the 10-day and 1-month events. The second quarter surface emissions monitoring report is included in **Attachment 3-2**.

SSM EVENTS

In accordance with 40 CFR 63.10(d)(5)(i), periodic reporting of all SSM events is to be submitted with the semiannual SSM Plan report. From January 1, 2021 to June 30, 2021, the SSM Plan was implemented and SSM Report Forms were completed for each event that was classified as a startup, shutdown, or malfunction according to the SSM Plan. The SSM Plan for the SCLF includes procedures to minimize emissions of hazardous air pollutants, as well as providing continuous control device monitoring during start-up, shutdown, and malfunction events.

As shown in **Attachment 2**, nineteen (19) shutdown events, exceeding 1 hour, occurred during the reporting period. The start-up and shutdown events were mostly due to loss of power and GCCS maintenance & repairs. Actions taken at the facility to control emissions for all SSM events were consistent with the procedures listed in the SSM Plan. During this semiannual reporting period, no SSM Plan Deviation Reports were completed, or 2-day/7-day notifications to the FDEP were required. In addition, no revisions were made to the SSM Plan.


As part of this semiannual report, a certification letter from the responsible official certifying the accuracy of the report is provided immediately following the cover letter for this report.

FDEP CORRESPONDENCE

There was no correspondence with FDEP this semiannual period.

LFG COLLECTION SYSTEM EXPANSION

No construction occurred on the GCCS during this reporting period.



Appendix 1

Wellhead Monitoring Data

**ATTACHMENT 1
LFG WELLHEAD MONITORING SUMMARY
HILLSBOROUGH SOUTHEAST COUNTY LANDFILL, LITHIA, FLORIDA
2021 FIRST SEMI-ANNUAL REPORT - JANUARY 1, 2021 THROUGH JUNE 30, 2021**



Oxygen exceedance above 5% by vol.
Static Pressure exceedance above 0" H₂O
Temperature exceedance above 131 °F

Device ID	Well ID	Date/Time	CH ₄ (% by Vol.)	CO ₂ (% by Vol.)	O ₂ (% by Vol.)	Balance Gas (% by Vol.)	Init. Static Pressure (in-H ₂ O)	Adj. Static Pressure (in-H ₂ O)	Init. Gas Temperature (°F)	Adj. Gas Temperature (°F)	Comments
SELF001	EW-01	1/29/21 9:33 AM	3.5	14.7	0.9	80.9	-0.93	-0.88	114.1	113.6	-
SELF001	EW-01	2/26/21 9:49 AM	3.1	13.9	0.7	82.3	-0.80	-0.77	115.3	115.2	-
SELF001	EW-01	3/30/21 9:47 AM	4.5	13.8	0.8	80.9	-1.32	-1.23	118.3	118.3	-
SELF001	EW-01	4/30/21 9:47 AM	6.7	14.4	0.0	78.9	-0.08	-0.07	115.5	115.7	-
SELF001	EW-01	5/27/21 9:15 AM	10.3	14.4	4.1	71.2	-0.29	-0.27	114.4	114.4	-
SELF001	EW-01	6/30/21 9:29 AM	20.7	17.4	0.0	61.9	-0.89	-0.89	113.3	113.3	-
SELF002	EW-02	1/29/21 9:50 AM	9.5	14.3	0.0	76.2	-1.36	-1.37	85	85	-
SELF002	EW-02	2/26/21 9:56 AM	10.3	14.1	0.0	75.6	-1.12	-1.12	90	89	-
SELF002	EW-02	3/30/21 9:52 AM	16.9	14.8	0.0	68.3	-0.63	-0.67	91	91	-
SELF002	EW-02	4/30/21 10:01 AM	22.3	15.1	0.0	62.6	-0.30	-0.28	90	90	-
SELF002	EW-02	5/27/21 10:22 AM	28.6	15.1	0.3	56.0	-0.08	-0.13	92	92	-
SELF002	EW-02	6/30/21 9:40 AM	45.0	17.9	0.0	37.1	-0.86	-0.88	93	93	-
SELF003	EW-03	1/29/21 10:22 AM	42.0	23.5	0.3	34.2	-6.01	-6.06	99	99	-
SELF003	EW-03	2/26/21 10:01 AM	44.5	24.0	0.0	31.5	-7.00	-7.56	101	101	-
SELF003	EW-03	3/30/21 9:57 AM	60.5	25.6	0.0	13.9	-1.58	-1.72	99	99	-
SELF003	EW-03	4/30/21 10:05 AM	63.7	26.3	0.0	10.0	-0.71	-0.73	99	99	-
SELF003	EW-03	5/27/21 10:28 AM	67.0	26.8	0.0	6.2	-0.57	-0.62	100	101	-
SELF003	EW-03	6/30/21 9:45 AM	65.8	26.8	0.0	7.4	-1.90	-2.00	100	100	-
SELF004	EW-04	1/29/21 10:30 AM	71.4	27.3	0.0	1.3	-1.72	-1.73	89	89	-
SELF004	EW-04	2/26/21 10:05 AM	70.8	27.3	0.0	1.9	-5.50	-6.31	90	91	-
SELF004	EW-04	3/30/21 10:02 AM	69.4	27.1	0.0	3.5	-1.74	-1.77	93	93	-
SELF004	EW-04	4/30/21 10:10 AM	71.9	28.1	0.0	0.0	-0.49	-0.51	94	94	-
SELF004	EW-04	5/27/21 10:33 AM	72.2	27.8	0.0	0.0	-0.23	-0.25	95	95	-
SELF004	EW-04	6/30/21 9:49 AM	72.0	28.0	0.0	0.0	-0.89	-0.84	94	94	-
SELF005	EW-05	1/29/21 10:35 AM	16.3	19.2	0.0	64.5	-3.36	-3.36	97	97	-
SELF005	EW-05	2/26/21 10:10 AM	18.3	19.4	0.0	62.3	-3.92	-3.91	98	98	-
SELF005	EW-05	3/30/21 10:37 AM	28.3	20.8	0.4	50.5	-1.50	-1.62	98	98	-
SELF005	EW-05	4/30/21 10:19 AM	39.3	23.0	0.0	37.7	-0.41	-0.43	98	98	-
SELF005	EW-05	5/27/21 10:38 AM	39.5	23.1	0.0	37.4	-0.47	-0.48	99	99	-
SELF005	EW-05	6/30/21 9:36 AM	59.4	26.2	0.0	14.4	-1.10	-1.11	99	99	-
SELF006	EW-06	1/29/21 10:40 AM	32.7	23.8	0.1	43.4	-4.07	-4.09	93	93	-
SELF006	EW-06	2/26/21 10:14 AM	31.9	22.3	0.2	45.6	-6.50	-7.10	92	92	-
SELF006	EW-06	3/30/21 10:42 AM	39.5	24.4	0.1	36.0	-1.20	-1.22	91	91	-
SELF006	EW-06	4/30/21 10:23 AM	51.3	26.9	0.0	21.8	-0.17	-0.20	92	92	-
SELF006	EW-06	5/27/21 10:42 AM	56.6	27.6	0.0	15.8	-0.33	-0.34	93	93	-
SELF006	EW-06	6/30/21 9:56 AM	67.7	29.7	0.0	2.6	-0.67	-0.64	92	92	-
SELF007	EW-07	1/29/21 10:46 AM	36.7	25.4	0.2	37.7	-12.41	-12.45	87	87	-
SELF007	EW-07	2/26/21 10:22 AM	36.5	25.0	0.2	38.3	-10.79	-10.70	89	89	-
SELF007	EW-07	3/30/21 10:47 AM	43.9	25.9	0.2	30.0	-7.65	-7.70	88	88	-
SELF007	EW-07	4/30/21 10:27 AM	52.1	27.6	0.0	20.3	-3.82	-3.84	89	89	-
SELF007	EW-07	5/27/21 10:46 AM	56.0	28.2	0.0	15.8	-3.42	-3.45	90	90	-
SELF007	EW-07	6/30/21 10:00 AM	65.0	29.3	0.0	5.7	-7.46	-7.50	89	89	-
SELF008	EW-08	1/29/21 10:51 AM	47.0	29.3	0.0	23.7	-6.66	-6.71	92	92	-
SELF008	EW-08	2/26/21 10:43 AM	48.4	29.3	0.2	22.1	-8.69	-9.14	93	93	-
SELF008	EW-08	3/30/21 10:51 AM	58.4	29.8	0.1	11.7	-2.85	-2.88	93	93	-
SELF008	EW-08	4/30/21 10:32 AM	63.7	31.7	0.0	4.6	-1.02	-1.05	94	95	-
SELF008	EW-08	5/27/21 10:51 AM	66.1	32.6	0.0	1.3	-0.98	-1.02	95	95	-
SELF008	EW-08	6/30/21 10:04 AM	65.9	32.0	0.0	2.1	-2.21	-2.23	93	94	-
SELF009	EW-09	1/29/21 10:56 AM	48.7	29.8	0.0	21.5	-9.71	-9.83	95	95	-
SELF009	EW-09	2/26/21 1:06 PM	54.0	30.7	0.5	14.8	-9.72	-9.77	96	96	-
SELF009	EW-09	3/30/21 10:55 AM	62.2	31.5	0.1	6.2	-3.07	-3.13	95	95	-
SELF009	EW-09	4/30/21 10:38 AM	62.2	33.0	0.5	4.3	-1.27	-1.30	95	95	-
SELF009	EW-09	5/27/21 10:57 AM	64.6	34.1	0.0	1.3	-1.40	-1.42	96	96	-
SELF009	EW-09	6/30/21 10:10 AM	64.9	33.7	0.0	1.4	-3.12	-3.17	95	95	-
SELEW10B	EW-10B	1/29/21 1:18 PM	0.2	0.7	20.5	78.6	-1.38	-1.39	81	81	-
SELEW10B	EW-10B	1/29/21 1:20 PM	0.2	0.5	20.5	78.8	-1.47	-1.50	81	80	-
SELEW10B	EW-10B	2/26/21 1:10 PM	0.4	0.7	19.9	79.0	-1.07	-1.08	97	97	-
SELEW10B	EW-10B	2/26/21 1:12 PM	0.1	0.2	20.2	79.5	-2.67	-2.68	97	96	-
SELEW10B	EW-10B	3/30/21 11:01 AM	6.1	3.9	16.4	73.6	-1.53	-1.50	103	103	-
SELEW10B	EW-10B	3/30/21 11:07 AM	15.3	9.2	12.6	62.9	-2.00	-1.99	110	111	-
SELEW10B	EW-10B	4/30/21 10:43 AM	62.4	28.1	0.0	9.5	0.22	0.23	96	96	Exceedant Reading, Adjustment Made
SELEW10B	EW-10B	4/30/21 10:44 AM	61.0	27.9	0.0	11.1	-0.04	-0.04	102	102	Recheck - In Compliance
SELEW10B	EW-10B	5/27/21 11:02 AM	49.0	24.9	3.0	23.1	-0.21	-0.23	108	108	-
SELEW10B	EW-10B	6/30/21 10:08 AM	63.9	33.8	0.0	2.3	-2.96	-3.00	95	95	-
SELEW10B	EW-10B	12/31/20 10:03 AM	0.2	1.6	19.5	78.7	-2.16	-2.15	79	79	-
SELEW10B	EW-10B	12/31/20 10:06 AM	0.1	0.7	20.1	79.1	-2.17	-2.15	79	79	-
SELEW10C	EW-10C	1/29/21 1:25 PM	0.1	0.3	20.5	79.1	-1.60	-1.60	79	79	-
SELEW10C	EW-10C	1/29/21 1:27 PM	0.1	0.3	20.5	79.1	-1.74	-1.75	79	79	-
SELEW10C	EW-10C	2/26/21 1:17 PM	0.1	0.3	19.9	79.7	-1.18	-1.15	93	94	-
SELEW10C	EW-10C	2/26/21 1:19 PM	0.1	0.3	19.7	79.9	-1.59	-1.60	95	95	-
SELEW10C	EW-10C	3/30/21 11:12 AM	0.7	0.7	18.9	79.7	-1.55	-1.55	96	97	-
SELEW10C	EW-10C	3/30/21 11:14 AM	10.8	6.2	13.3	69.7	-1.99	-2.00	103	103	-
SELEW10C	EW-10C	4/30/21 10:49 AM	21.3	18.0	3.0	57.7	0.20	0.20	94	95	Exceedant Reading, Adjustment Made
SELEW10C	EW-10C	4/30/21 10:50 AM	24.4	20.9	0.1	54.6	-0.05	-0.06	98	98	Recheck - In Compliance
SELEW10C	EW-10C	5/27/21 11:07 AM	38.1	20.4	4.1	37.4	-0.41	-0.41	103	103	-
SELEW10C	EW-10C	6/30/21 10:20 AM	46.6	24.6	1.4	27.4	-0.87	-1.00	101	101	-
SELEW10C	EW-10C	12/31/20 10:23 AM	0.0	0.5	20.2	79.3	-2.25	-2.32	82	83	-
SELEW10C	EW-10C	12/31/20 10:25 AM	0.0	0.4	20.2	79.4	-2.22	-2.23	83	83	-

**ATTACHMENT 1
LFG WELLHEAD MONITORING SUMMARY
HILLSBOROUGH SOUTHEAST COUNTY LANDFILL, LITHIA, FLORIDA
2021 FIRST SEMI ANNUAL REPORT - JANUARY 1, 2021 THROUGH JUNE 30, 2021**



Oxygen exceedance above 5% by vol.
Static Pressure exceedance above 0" H₂O
Temperature exceedance above 131 °F

Device ID	Well ID	Date/Time	CH ₄ (% by Vol.)	CO ₂ (% by Vol.)	O ₂ (% by Vol.)	Balance Gas (% by Vol.)	Init. Static Pressure (in-H ₂ O)	Adj. Static Pressure (in-H ₂ O)	Init. Gas Temperature (°F)	Adj. Gas Temperature (°F)	Comments
SELEW11B	EW-11B	1/29/21 1:30 PM	26.7	20.6	3.0	49.7	-6.97	-6.97	102	102	-
SELEW11B	EW-11B	2/26/21 1:24 PM	28.6	21.2	2.6	47.6	-7.97	-8.33	103	103	-
SELEW11B	EW-11B	3/30/21 11:18 AM	32.7	21.9	3.0	42.4	-2.71	-2.74	100	100	-
SELEW11B	EW-11B	4/30/21 10:54 AM	43.0	25.1	0.8	31.1	-0.73	-0.76	98	98	-
SELEW11B	EW-11B	5/27/21 11:12 AM	43.2	24.7	1.4	30.7	-0.94	-0.95	98	98	-
SELEW11B	EW-11B	6/30/21 10:24 AM	48.5	26.7	0.5	24.3	-1.93	-1.93	97	97	-
SELEW12	EW-12	1/29/21 1:34 PM	30.9	24.6	0.9	43.6	-9.16	-9.21	106	106	-
SELEW12	EW-12	2/26/21 1:39 PM	31.5	22.1	0.9	45.5	-8.87	-8.92	106	106	-
SELEW12	EW-12	3/30/21 11:22 AM	48.5	27.2	0.3	24.0	-2.93	-3.00	102	102	-
SELEW12	EW-12	4/30/21 10:58 AM	58.1	29.5	0.0	12.4	-1.05	-1.10	101	101	-
SELEW12	EW-12	5/27/21 11:16 AM	60.9	31.9	0.0	7.2	-1.22	-1.29	102	102	-
SELEW12	EW-12	6/30/21 10:28 AM	61.9	31.8	0.0	6.3	-3.00	-2.93	101	101	-
SELEW13	EW-13	1/29/21 1:40 PM	30.1	24.1	0.6	45.2	-9.75	-9.77	106	106	-
SELEW13	EW-13	2/26/21 1:46 PM	30.1	21.1	0.6	48.2	-9.25	-9.32	106	106	-
SELEW13	EW-13	3/31/21 9:13 AM	59.0	28.2	0.2	12.6	-2.37	-2.92	100	100	-
SELEW13	EW-13	4/30/21 1:21 PM	59.0	29.0	0.3	11.7	-1.19	-1.77	100	101	-
SELEW13	EW-13	5/27/21 1:20 PM	61.1	29.1	0.3	9.5	-1.96	-1.99	102	102	-
SELEW13	EW-13	6/30/21 12:58 PM	64.6	30.7	0.3	4.4	-3.94	-3.94	102	102	-
SELEW14	EW-14	1/29/21 1:44 PM	35.3	22.6	2.1	40.0	-8.49	-8.48	127	127	-
SELEW14	EW-14	2/26/21 1:51 PM	36.9	22.4	1.8	38.9	-7.78	-7.88	126	126	-
SELEW14	EW-14	3/31/21 9:16 AM	57.9	26.7	0.1	15.3	-3.63	-3.70	120	120	-
SELEW14	EW-14	4/30/21 1:25 PM	54.5	26.8	0.1	18.6	-1.25	-1.41	117	118	-
SELEW14	EW-14	5/27/21 1:24 PM	58.3	27.0	0.1	14.6	-0.61	-0.58	115	115	-
SELEW14	EW-14	6/30/21 1:01 PM	60.3	28.2	0.1	11.4	-3.08	-3.10	114	114	-
SELEW15	EW-15	1/29/21 1:49 PM	41.4	26.1	0.4	32.1	-11.41	-11.50	112	112	-
SELEW15	EW-15	2/26/21 1:56 PM	40.4	24.6	0.4	34.6	-10.22	-10.25	111	111	-
SELEW15	EW-15	3/31/21 9:21 AM	58.9	28.4	0.1	12.6	-3.31	-3.48	107	107	-
SELEW15	EW-15	4/30/21 1:30 PM	59.8	28.8	0.1	11.3	-1.85	-1.91	106	106	-
SELEW15	EW-15	5/27/21 1:29 PM	63.2	29.9	0.1	6.8	-1.28	-1.31	107	107	-
SELEW15	EW-15	6/30/21 1:05 PM	65.7	31.0	0.1	3.2	-3.41	-3.45	107	107	-
SELEW16	EW-16	1/29/21 1:58 PM	27.8	22.0	0.7	49.5	-13.33	-13.32	104	104	-
SELEW16	EW-16	2/26/21 2:20 PM	29.1	21.7	0.7	48.5	-10.76	-10.80	104	104	-
SELEW16	EW-16	3/31/21 9:25 AM	52.1	26.8	0.0	21.1	-10.74	-10.84	103	103	-
SELEW16	EW-16	4/30/21 1:34 PM	50.4	26.9	0.0	22.7	-4.55	-4.60	101	101	-
SELEW16	EW-16	5/27/21 1:35 PM	49.8	27.2	0.0	23.0	-3.47	-3.50	103	103	-
SELEW16	EW-16	6/30/21 1:10 PM	60.5	29.3	0.0	10.2	-9.74	-9.89	104	104	-
SELEW17	EW-17	1/29/21 2:03 PM	44.9	28.0	0.3	26.8	-9.23	-9.31	106	106	-
SELEW17	EW-17	2/26/21 2:24 PM	46.2	27.2	0.4	26.2	-9.37	-9.39	106	106	-
SELEW17	EW-17	3/31/21 9:30 AM	62.3	30.0	0.0	7.7	-2.75	-2.82	103	103	-
SELEW17	EW-17	4/30/21 1:39 PM	63.9	30.8	0.0	5.3	-1.35	-1.49	102	102	-
SELEW17	EW-17	5/27/21 1:40 PM	67.2	32.4	0.0	0.4	-1.16	-1.20	103	103	-
SELEW17	EW-17	6/30/21 1:13 PM	65.5	31.3	0.0	3.2	-3.25	-3.27	102	102	-
SELEW18	EW-18	1/29/21 2:06 PM	3.4	5.1	4.8	86.7	-13.53	-13.53	82	82	-
SELEW18	EW-18	2/26/21 2:30 PM	36.8	21.0	2.4	39.8	-10.49	-10.43	92	93	-
SELEW18	EW-18	3/31/21 9:33 AM	0.8	5.5	4.5	89.2	-0.34	-0.28	86	86	-
SELEW18	EW-18	4/30/21 1:59 PM	11.9	7.6	4.7	75.8	-6.04	-5.55	89	89	-
SELEW18	EW-18	5/27/21 1:43 PM	49.4	25.3	4.5	20.8	-4.28	-4.31	94	94	-
SELEW18	EW-18	6/30/21 1:16 PM	65.2	31.9	2.9	0.0	-13.42	-13.43	91	92	-
SELEW19	EW-19	1/29/21 2:10 PM	22.0	20.0	2.1	55.9	-12.30	-12.30	111	111	-
SELEW19	EW-19	2/26/21 2:34 PM	25.8	20.6	1.5	52.1	-10.66	-10.68	110	110	-
SELEW19	EW-19	3/31/21 9:37 AM	42.7	24.1	0.2	33.0	-6.04	-6.04	104	104	-
SELEW19	EW-19	4/30/21 2:03 PM	51.0	25.8	0.1	23.1	-2.66	-2.72	101	102	-
SELEW19	EW-19	5/27/21 1:48 PM	55.0	26.1	0.1	18.8	-2.12	-2.18	102	102	-
SELEW19	EW-19	6/30/21 1:20 PM	60.7	28.0	0.1	11.2	-5.50	-5.53	101	101	-
SELEW20	EW-20	1/29/21 2:13 PM	21.8	15.4	3.8	59.0	-4.16	-4.16	78	77	-
SELEW20	EW-20	2/26/21 2:39 PM	25.5	20.4	4.1	50.0	-5.64	-5.75	90	89	-
SELEW20	EW-20	3/31/21 9:40 AM	1.9	10.9	4.6	82.6	-5.69	-5.65	80	80	-
SELEW20	EW-20	4/30/21 2:07 PM	6.2	13.1	2.5	78.2	-4.91	-4.51	91	92	-
SELEW20	EW-20	5/27/21 1:52 PM	8.4	14.5	1.9	75.2	-4.35	-4.31	104	104	-
SELEW20	EW-20	6/30/21 1:22 PM	57.8	21.2	4.1	16.9	-3.49	-3.49	86	86	-
SELEW21	EW-21	1/29/21 2:16 PM	13.9	16.0	4.9	65.2	-4.89	-4.89	91	91	-
SELEW21	EW-21	2/26/21 2:43 PM	13.4	14.4	4.1	68.1	-4.80	-4.80	96	96	-
SELEW21	EW-21	3/31/21 9:45 AM	27.6	19.4	2.3	50.7	-8.79	-8.78	98	98	-
SELEW21	EW-21	4/30/21 2:12 PM	29.6	20.9	1.6	47.9	-4.03	-4.15	97	97	-
SELEW21	EW-21	5/27/21 1:58 PM	31.4	21.7	0.7	46.2	-3.51	-3.60	100	100	-
SELEW21	EW-21	6/30/21 1:26 PM	34.8	22.5	0.2	42.5	-8.67	-8.74	98	98	-
SELEW22	EW-22	1/29/21 2:20 PM	24.3	22.0	0.0	53.7	-11.23	-11.24	94	94	-
SELEW22	EW-22	2/26/21 2:46 PM	24.6	21.2	0.1	54.1	-9.76	-9.76	95	95	-
SELEW22	EW-22	3/31/21 9:48 AM	31.5	22.0	0.1	46.4	-5.46	-5.48	93	93	-
SELEW22	EW-22	4/30/21 2:17 PM	34.3	23.5	0.0	42.2	-2.74	-2.77	93	93	-
SELEW22	EW-22	5/27/21 2:03 PM	36.6	23.4	0.0	40.0	-2.24	-2.26	94	94	-
SELEW22	EW-22	6/30/21 1:29 PM	43.8	25.1	0.0	31.1	-4.79	-4.83	93	94	-

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LFG WELLHEAD MONITORING SUMMARY
HILLSBOROUGH SOUTHEAST COUNTY LANDFILL, LITHIA, FLORIDA
2021 FIRST SEMI-ANNUAL REPORT - JANUARY 1, 2021 THROUGH JUNE 30, 2021



Oxygen exceedance above 5% by vol.
 Static Pressure exceedance above 0" H₂O
 Temperature exceedance above 131 °F

Device ID	Well ID	Date/Time	CH ₄ (% by Vol.)	CO ₂ (% by Vol.)	O ₂ (% by Vol.)	Balance Gas (% by Vol.)	Init. Static Pressure (in-H ₂ O)	Adj. Static Pressure (in-H ₂ O)	Init. Gas Temperature (°F)	Adj. Gas Temperature (°F)	Comments
SELFEW23	EW-23	1/29/21 2:23 PM	27.9	22.5	0.0	49.6	-7.90	-7.92	96	96	-
SELFEW23	EW-23	2/26/21 2:49 PM	28.7	21.6	0.0	49.7	-8.17	-8.17	96	96	-
SELFEW23	EW-23	3/31/21 9:52 AM	43.3	24.1	0.0	32.6	-2.44	-2.51	94	94	-
SELFEW23	EW-23	4/30/21 2:22 PM	49.4	24.2	0.0	26.4	-1.19	-1.23	96	96	-
SELFEW23	EW-23	5/27/21 2:08 PM	55.0	24.8	0.0	20.2	-1.09	-1.11	99	99	-
SELFEW23	EW-23	6/30/21 1:33 PM	61.3	26.3	0.0	12.4	-2.54	-2.55	95	95	-
SELFEW24	EW-24	1/28/21 8:20 AM	16.7	20.2	0.2	62.9	-1.42	-1.37	111	111	-
SELFEW24	EW-24	2/25/21 9:24 AM	15.9	19.8	0.4	63.9	-0.99	-0.97	111	111	-
SELFEW24	EW-24	3/26/21 9:12 AM	21.7	20.7	0.2	57.4	-0.83	-0.83	111	111	-
SELFEW24	EW-24	4/29/21 8:21 AM	35.0	22.2	0.0	42.8	-0.25	-0.27	109	109	-
SELFEW24	EW-24	5/26/21 8:30 AM	35.2	22.3	0.0	42.5	-0.32	-0.34	109	109	-
SELFEW24	EW-24	6/29/21 8:13 AM	55.1	23.8	0.0	21.1	-0.25	-0.26	109	109	-
SELFEW25	EW-25	1/28/21 8:27 AM	65.4	34.6	0.0	0.0	-2.34	-2.34	101	101	-
SELFEW25	EW-25	2/25/21 9:32 AM	65.1	34.5	0.0	0.4	-1.69	-1.71	101	101	-
SELFEW25	EW-25	3/26/21 9:16 AM	66.1	32.9	0.0	1.0	-1.75	-1.91	104	105	-
SELFEW25	EW-25	4/29/21 8:27 AM	62.4	30.2	0.0	7.4	-1.12	-1.15	106	106	-
SELFEW25	EW-25	5/26/21 8:34 AM	67.6	31.7	0.0	0.7	-1.26	-1.29	107	107	-
SELFEW25	EW-25	6/29/21 8:18 AM	67.0	31.8	0.0	1.2	-2.78	-2.79	107	107	-
SELFEW26	EW-26	1/28/21 8:39 AM	27.9	22.5	0.0	49.6	-7.21	-7.22	99	99	-
SELFEW26	EW-26	2/25/21 9:36 AM	32.2	22.8	0.2	44.8	-5.91	-6.49	100	100	-
SELFEW26	EW-26	3/26/21 9:20 AM	36.5	23.4	0.0	40.1	-3.10	-3.09	96	96	-
SELFEW26	EW-26	4/29/21 8:31 AM	45.8	24.5	0.0	29.7	-1.34	-1.41	95	95	-
SELFEW26	EW-26	5/26/21 8:39 AM	45.9	23.8	0.0	30.3	-1.38	-1.41	97	97	-
SELFEW26	EW-26	6/29/21 8:23 AM	59.3	24.3	0.0	16.4	-2.57	-2.58	98	98	-
SELFEW27	EW-27	1/28/21 8:43 AM	47.8	26.1	0.0	26.1	-7.01	-7.06	92	92	-
SELFEW27	EW-27	2/25/21 9:44 AM	47.2	25.6	0.1	27.1	-5.84	-6.01	92	92	-
SELFEW27	EW-27	3/26/21 9:24 AM	55.4	27.4	0.0	17.2	-2.75	-2.82	89	89	-
SELFEW27	EW-27	4/29/21 8:35 AM	58.3	27.3	0.0	14.4	-1.21	-1.25	90	91	-
SELFEW27	EW-27	5/26/21 8:43 AM	62.6	28.2	0.0	9.2	-1.34	-1.35	93	93	-
SELFEW27	EW-27	6/29/21 8:27 AM	66.0	28.4	0.0	5.6	-2.66	-2.67	94	94	-
SELFEW28	EW-28	1/28/21 8:47 AM	30.7	23.1	0.0	46.2	-6.56	-6.57	98	98	-
SELFEW28	EW-28	2/25/21 9:47 AM	28.6	22.3	0.0	49.1	-5.19	-5.80	99	99	-
SELFEW28	EW-28	3/26/21 9:28 AM	34.5	22.8	0.0	42.7	-4.07	-4.55	98	98	-
SELFEW28	EW-28	4/29/21 8:41 AM	44.1	23.7	0.0	32.2	-1.60	-1.68	97	97	-
SELFEW28	EW-28	5/26/21 8:50 AM	46.3	24.0	0.0	29.7	-1.38	-1.40	98	98	-
SELFEW28	EW-28	6/29/21 8:30 AM	61.7	25.3	0.0	13.0	-2.60	-2.62	99	99	-
SELFEW29	EW-29	1/28/21 8:51 AM	29.1	20.6	0.0	50.3	-6.76	-6.75	99	99	-
SELFEW29	EW-29	2/25/21 9:52 AM	29.1	19.5	0.1	51.3	-5.35	-5.46	100	100	-
SELFEW29	EW-29	3/26/21 9:32 AM	29.1	18.8	0.0	52.1	-2.21	-2.27	98	98	-
SELFEW29	EW-29	4/29/21 8:45 AM	39.1	19.5	0.0	41.4	-0.87	-0.89	98	98	-
SELFEW29	EW-29	5/26/21 8:54 AM	41.0	20.1	0.0	38.9	-0.85	-0.86	99	99	-
SELFEW29	EW-29	6/29/21 8:38 AM	53.1	21.8	0.0	25.1	-1.49	-1.51	99	99	-
SELFEW30	EW-30	1/28/21 8:58 AM	17.5	19.9	0.0	62.6	-5.14	-5.14	91	91	-
SELFEW30	EW-30	2/25/21 10:00 AM	17.7	19.6	0.2	62.5	-3.53	-3.53	92	93	-
SELFEW30	EW-30	3/26/21 9:36 AM	22.3	19.8	0.0	57.9	-3.07	-3.06	93	93	-
SELFEW30	EW-30	4/29/21 8:51 AM	30.9	20.9	0.0	48.2	-1.23	-1.27	93	92	-
SELFEW30	EW-30	5/26/21 9:00 AM	33.3	21.7	0.0	45.0	-1.04	-1.06	94	94	-
SELFEW30	EW-30	6/29/21 8:45 AM	46.8	21.9	0.0	31.3	-1.96	-1.98	94	94	-
SELFEW31	EW-31	1/28/21 9:14 AM	17.3	20.3	0.0	62.4	-2.44	-2.45	83	83	-
SELFEW31	EW-31	2/25/21 10:05 AM	20.0	19.9	0.2	59.9	-1.40	-1.39	84	84	-
SELFEW31	EW-31	3/26/21 9:41 AM	24.0	20.4	0.0	55.6	-2.63	-2.62	90	90	-
SELFEW31	EW-31	4/29/21 8:56 AM	32.1	22.0	0.0	45.9	-1.09	-1.11	90	90	-
SELFEW31	EW-31	5/26/21 9:04 AM	34.9	23.0	0.0	42.1	-1.04	-1.05	90	91	-
SELFEW31	EW-31	6/29/21 8:49 AM	44.9	23.2	0.0	31.9	-1.60	-1.63	91	91	-
SELFEW32	EW-32	1/28/21 9:19 AM	14.8	19.6	0.0	65.6	-0.80	-0.80	70	70	-
SELFEW32	EW-32	2/25/21 10:09 AM	18.2	18.9	0.1	62.8	-0.48	-0.49	78	78	-
SELFEW32	EW-32	3/26/21 9:45 AM	15.9	21.0	0.0	63.1	-1.08	-0.95	89	89	-
SELFEW32	EW-32	4/29/21 9:02 AM	29.3	22.4	0.0	48.3	-0.33	-0.34	88	88	-
SELFEW32	EW-32	5/26/21 9:08 AM	26.2	22.5	0.0	51.3	-0.41	-0.41	91	91	-
SELFEW32	EW-32	6/29/21 8:54 AM	39.3	23.9	0.0	36.8	-0.47	-0.48	90	90	-
SELFEW33	EW-33	1/28/21 9:25 AM	16.1	20.4	0.0	63.5	-1.54	-1.54	91	91	-
SELFEW33	EW-33	2/25/21 10:13 AM	24.9	21.9	0.1	53.1	-1.06	-1.05	94	94	-
SELFEW33	EW-33	3/26/21 9:49 AM	22.6	24.8	0.0	52.6	-2.05	-2.05	103	103	-
SELFEW33	EW-33	4/29/21 9:06 AM	30.2	25.1	0.0	44.7	-0.67	-0.69	97	98	-
SELFEW33	EW-33	5/26/21 9:12 AM	27.3	25.0	0.0	47.7	-0.74	-0.74	98	98	-
SELFEW33	EW-33	6/29/21 8:58 AM	36.3	25.6	0.0	38.1	-1.09	-1.10	98	98	-
SELFEW34	EW-34	1/28/21 9:31 AM	20.8	18.2	3.8	57.2	-5.97	-5.54	114	114	-
SELFEW34	EW-34	2/25/21 10:17 AM	25.9	18.7	3.0	52.4	-4.49	-4.49	113	113	-
SELFEW34	EW-34	3/26/21 9:53 AM	19.6	18.3	2.5	59.6	-2.17	-1.95	112	112	-
SELFEW34	EW-34	4/29/21 9:11 AM	25.0	20.6	0.2	54.2	-0.74	-0.76	105	105	-
SELFEW34	EW-34	5/26/21 9:17 AM	12.9	19.0	0.2	67.9	-0.93	-0.92	106	106	-
SELFEW34	EW-34	6/29/21 9:03 AM	26.4	21.9	0.0	51.7	-1.31	-1.31	105	105	-
SELFEW35	EW-35	1/28/21 9:42 AM	3.7	16.4	1.7	78.2	-0.92	-0.91	72	72	-
SELFEW35	EW-35	2/25/21 10:21 AM	10.5	17.3	0.6	71.6	-0.18	-0.19	84	84	-
SELFEW35	EW-35	3/26/21 9:58 AM	17.3	17.3	1.2	64.2	-2.27	-1.74	97	97	-
SELFEW35	EW-35	4/29/21 9:15 AM	20.4	18.4	1.0	60.2	-0.87	-0.81	95	96	-
SELFEW35	EW-35	5/26/21 9:22 AM	11.0	17.9	0.7	70.4	-0.85	-0.82	97	97	-
SELFEW35	EW-35	6/29/21 9:07 AM	20.5	19.5	0.8	59.2	-1.07	-1.07	95	95	-

ATTACHMENT 1
LFG WELLHEAD MONITORING SUMMARY
HILLSBOROUGH SOUTHEAST COUNTY LANDFILL, LITHIA, FLORIDA
2021 FIRST SEMI-ANNUAL REPORT - JANUARY 1, 2021 THROUGH JUNE 30, 2021



Oxygen exceedance above 5% by vol.
 Static Pressure exceedance above 0" H₂O
 Temperature exceedance above 131 °F

Device ID	Well ID	Date/Time	CH ₄ (% by Vol.)	CO ₂ (% by Vol.)	O ₂ (% by Vol.)	Balance Gas (% by Vol.)	Init. Static Pressure (in-H ₂ O)	Adj. Static Pressure (in-H ₂ O)	Init. Gas Temperature (°F)	Adj. Gas Temperature (°F)	Comments
SELF36	EW-36	1/28/21 9:48 AM	8.0	17.9	0.0	74.1	-0.33	-0.32	81	81	-
SELF36	EW-36	2/25/21 10:24 AM	13.4	17.4	0.2	69.0	-0.18	-0.14	84	84	-
SELF36	EW-36	3/26/21 10:02 AM	6.9	16.4	0.0	76.7	-0.45	-0.47	90	90	-
SELF36	EW-36	4/29/21 9:22 AM	10.4	17.1	0.0	72.5	-0.05	-0.09	90	91	-
SELF36	EW-36	5/26/21 9:27 AM	6.4	17.2	0.0	76.4	-0.20	-0.19	92	92	-
SELF36	EW-36	6/29/21 9:11 AM	16.8	18.9	0.0	64.3	-0.19	-0.18	92	92	-
SELF37	EW-37	1/28/21 9:53 AM	15.0	18.4	0.0	66.6	-0.42	-0.37	78	77	-
SELF37	EW-37	2/25/21 10:28 AM	32.9	21.0	0.0	46.1	-0.10	-0.17	85	84	-
SELF37	EW-37	3/26/21 10:06 AM	7.7	17.3	0.0	75.0	-0.90	-0.70	89	89	-
SELF37	EW-37	4/29/21 9:26 AM	12.6	17.5	0.0	69.9	-0.20	-0.21	89	89	-
SELF37	EW-37	5/26/21 9:31 AM	11.7	17.8	0.0	70.5	-0.26	-0.27	90	90	-
SELF37	EW-37	6/29/21 9:15 AM	18.9	17.9	0.0	63.2	-0.43	-0.40	91	91	-
SELF38	EW-38	1/28/21 10:02 AM	15.7	20.2	0.0	64.1	-0.48	-0.50	90	90	-
SELF38	EW-38	2/25/21 10:32 AM	21.2	20.6	0.0	58.2	-0.17	-0.21	92	93	-
SELF38	EW-38	3/26/21 10:11 AM	9.7	19.5	0.0	70.8	-0.34	-0.28	93	93	-
SELF38	EW-38	4/29/21 9:31 AM	15.6	19.5	0.0	64.9	-0.01	-0.05	93	93	-
SELF38	EW-38	5/26/21 9:57 AM	9.2	19.2	0.0	71.6	-0.17	-0.14	96	96	-
SELF38	EW-38	6/29/21 9:18 AM	24.4	20.6	0.0	55.0	-0.19	-0.17	96	96	-
SELF39	EW-39	1/28/21 10:07 AM	11.7	20.8	0.0	67.5	-0.88	-0.89	93	93	-
SELF39	EW-39	2/25/21 10:35 AM	16.8	21.8	0.0	61.4	-0.50	-0.49	95	95	-
SELF39	EW-39	3/26/21 10:15 AM	13.7	19.1	1.7	65.5	-1.95	-1.33	112	111	-
SELF39	EW-39	4/29/21 9:36 AM	21.3	21.5	0.0	57.2	-0.52	-0.51	104	104	-
SELF39	EW-39	5/26/21 10:02 AM	19.4	21.4	0.0	59.2	-0.45	-0.44	105	105	-
SELF39	EW-39	6/29/21 9:23 AM	34.2	23.9	0.0	41.9	-0.64	-0.65	105	105	-
SELF40	EW-40	1/28/21 10:12 AM	24.1	24.1	0.0	51.8	-4.72	-4.78	116	116	-
SELF40	EW-40	2/25/21 10:42 AM	28.0	23.8	0.1	48.1	-3.92	-4.39	118	118	-
SELF40	EW-40	3/26/21 10:18 AM	28.5	23.3	0.0	48.2	-1.71	-1.71	113	113	-
SELF40	EW-40	4/29/21 9:41 AM	38.2	24.8	0.0	37.0	-0.52	-0.56	109	109	-
SELF40	EW-40	5/26/21 10:07 AM	39.3	24.8	0.0	35.9	-0.52	-0.53	111	111	-
SELF40	EW-40	6/29/21 9:30 AM	51.2	25.8	0.0	23.0	-1.01	-1.03	112	112	-
SELF41	EW-41	1/28/21 10:16 AM	21.1	23.1	0.0	55.8	-2.79	-2.77	94	94	-
SELF41	EW-41	2/25/21 10:46 AM	24.0	22.6	0.0	53.4	-1.86	-2.01	95	96	-
SELF41	EW-41	3/26/21 10:22 AM	22.4	22.6	0.0	55.0	-1.81	-1.81	95	95	-
SELF41	EW-41	4/29/21 9:45 AM	34.2	22.2	0.0	43.6	-0.56	-0.55	94	94	-
SELF41	EW-41	5/26/21 10:11 AM	36.4	22.3	0.0	41.3	-0.38	-0.39	97	97	-
SELF41	EW-41	6/29/21 9:35 AM	47.2	23.3	0.0	29.5	-0.75	-0.76	97	97	-
SELF42	EW-42	1/28/21 10:20 AM	27.5	23.2	0.0	49.3	-6.89	-7.37	87	87	-
SELF42	EW-42	2/25/21 10:50 AM	31.2	22.9	0.0	45.9	-6.72	-7.30	89	89	-
SELF42	EW-42	3/26/21 10:26 AM	36.0	23.6	0.0	40.4	-5.14	-5.33	88	88	-
SELF42	EW-42	4/29/21 9:49 AM	38.9	23.3	0.0	37.8	-1.86	-1.91	89	89	-
SELF42	EW-42	5/26/21 10:16 AM	39.5	22.4	0.0	38.1	-1.62	-1.63	91	91	-
SELF42	EW-42	6/29/21 9:40 AM	47.2	22.5	0.0	30.3	-3.43	-3.45	90	90	-
SELF43	EW-43	1/29/21 8:16 AM	17.0	19.7	1.1	62.2	-1.58	-1.58	116	116	-
SELF43	EW-43	2/26/21 8:36 AM	20.4	20.8	0.7	58.1	-1.52	-1.50	115	115	-
SELF43	EW-43	3/30/21 8:37 AM	20.2	20.3	0.4	59.1	-0.94	-0.94	113	113	-
SELF43	EW-43	4/30/21 8:06 AM	22.6	21.6	0.2	55.6	-0.67	-0.66	109	109	-
SELF43	EW-43	5/27/21 7:59 AM	23.5	21.9	0.0	54.6	-0.54	-0.54	108	109	-
SELF43	EW-43	6/30/21 7:52 AM	53.2	25.4	0.1	21.3	-0.32	-0.33	106	106	-
SELF44	EW-44	1/29/21 8:10 AM	19.0	18.8	0.8	61.4	-3.17	-3.13	104	105	-
SELF44	EW-44	2/26/21 8:41 AM	23.2	18.9	1.1	56.8	-3.46	-3.45	105	105	-
SELF44	EW-44	3/30/21 8:42 AM	25.1	17.2	1.7	56.0	-1.02	-1.01	99	99	-
SELF44	EW-44	4/30/21 8:10 AM	30.5	17.5	1.7	50.3	-0.61	-0.64	97	98	-
SELF44	EW-44	5/27/21 8:03 AM	30.9	17.1	1.3	50.7	-0.53	-0.53	98	98	-
SELF44	EW-44	6/30/21 7:56 AM	50.6	18.4	1.3	29.7	-0.49	-0.49	101	101	-
SELF45	EW-45	1/29/21 8:21 AM	12.6	18.2	2.2	67.0	-2.29	-2.24	119	119	-
SELF45	EW-45	2/26/21 8:45 AM	15.8	18.6	1.6	64.0	-1.81	-1.80	118	118	-
SELF45	EW-45	3/30/21 8:47 AM	22.1	18.8	0.9	58.2	-1.38	-1.39	116	116	-
SELF45	EW-45	4/30/21 8:13 AM	27.7	20.6	0.2	51.5	-0.65	-0.65	113	113	-
SELF45	EW-45	5/27/21 8:08 AM	30.3	20.6	0.0	49.1	-0.35	-0.35	107	108	-
SELF45	EW-45	6/30/21 8:00 AM	56.5	24.1	0.2	19.2	-0.56	-0.57	109	109	-
SELF46	EW-46	1/29/21 8:25 AM	15.5	21.4	0.0	63.1	-1.23	-1.23	70	70	-
SELF46	EW-46	2/26/21 8:51 AM	17.4	21.4	0.2	61.0	-0.37	-0.37	78	78	-
SELF46	EW-46	3/30/21 8:52 AM	29.0	22.7	0.6	47.7	-5.83	-5.82	82	82	-
SELF46	EW-46	4/30/21 8:17 AM	37.4	24.8	0.2	37.6	-3.13	-3.21	83	83	-
SELF46	EW-46	5/27/21 8:14 AM	42.2	25.8	0.1	31.9	-2.89	-2.93	85	85	-
SELF46	EW-46	6/30/21 8:04 AM	54.1	27.5	0.0	18.4	-5.09	-5.10	88	88	-
SELF47	EW-47	1/29/21 8:29 AM	9.4	18.1	2.3	70.2	-5.18	-5.18	76	76	-
SELF47	EW-47	2/26/21 8:54 AM	13.0	16.7	3.4	66.9	-4.03	-4.04	80	80	-
SELF47	EW-47	3/30/21 9:03 AM	16.4	16.6	3.3	63.7	-3.99	-4.00	91	91	-
SELF47	EW-47	4/30/21 8:21 AM	30.5	21.9	4.8	42.8	-1.68	-1.71	87	88	-
SELF47	EW-47	5/27/21 8:20 AM	30.4	22.1	0.0	47.5	-0.97	-0.98	89	89	-
SELF47	EW-47	6/30/21 8:08 AM	52.8	25.5	4.3	17.4	-1.20	-1.21	91	91	-
SELF48	EW-48	1/29/21 8:34 AM	5.1	14.9	4.2	75.8	-1.72	-1.55	100	99	-
SELF48	EW-48	2/26/21 8:57 AM	5.8	15.0	4.6	74.6	-0.88	-0.90	99	99	-
SELF48	EW-48	3/30/21 9:01 AM	16.2	16.1	2.7	65.0	-1.52	-1.52	107	107	-
SELF48	EW-48	4/30/21 8:25 AM	21.9	18.7	0.1	59.3	-0.50	-0.51	99	99	-
SELF48	EW-48	5/27/21 8:25 AM	22.6	19.5	0.0	57.9	-0.20	-0.21	93	93	-
SELF48	EW-48	6/30/21 8:13 AM	55.2	22.3	0.0	22.5	-0.05	-0.13	96	96	-

**ATTACHMENT 1
LFG WELLHEAD MONITORING SUMMARY
HILLSBOROUGH SOUTHEAST COUNTY LANDFILL, LITHIA, FLORIDA
2021 FIRST SEMI-ANNUAL REPORT - JANUARY 1, 2021 THROUGH JUNE 30, 2021**



Oxygen exceedance above 5% by vol.
Static Pressure exceedance above 0" H₂O
Temperature exceedance above 131 °F

Device ID	Well ID	Date/Time	CH ₄ (% by Vol.)	CO ₂ (% by Vol.)	O ₂ (% by Vol.)	Balance Gas (% by Vol.)	Init. Static Pressure (in-H ₂ O)	Adj. Static Pressure (in-H ₂ O)	Init. Gas Temperature (°F)	Adj. Gas Temperature (°F)	Comments
SELF549	EW-49	1/29/21 8:39 AM	22.1	18.3	3.9	55.7	-3.31	-3.30	125	125	-
SELF549	EW-49	2/26/21 9:02 AM	24.0	18.5	3.3	54.2	-4.20	-4.25	125	125	-
SELF549	EW-49	3/30/21 9:09 AM	32.3	20.3	0.9	46.5	-0.48	-0.51	122	122	-
SELF549	EW-49	4/30/21 8:30 AM	42.5	22.2	0.0	35.3	-0.20	-0.21	118	118	-
SELF549	EW-49	5/27/21 8:30 AM	48.3	23.0	0.0	28.7	-0.31	-0.30	117	118	-
SELF549	EW-49	6/30/21 8:18 AM	70.2	23.9	0.0	5.9	-0.30	-0.29	116	117	-
SELF550	EW-50	1/29/21 8:43 AM	24.8	17.5	4.0	53.7	-7.77	-7.68	124	124	-
SELF550	EW-50	2/26/21 9:17 AM	27.6	17.9	2.9	51.6	-6.45	-7.00	125	125	-
SELF550	EW-50	3/30/21 9:14 AM	31.2	18.7	1.0	49.1	-2.13	-2.20	120	121	-
SELF550	EW-50	4/30/21 8:35 AM	41.3	21.7	0.0	37.0	-1.07	-1.08	116	116	-
SELF550	EW-50	5/27/21 8:35 AM	43.2	21.9	0.0	34.9	-1.01	-1.03	115	115	-
SELF550	EW-50	6/30/21 8:22 AM	66.9	23.7	0.0	9.4	-1.60	-1.62	114	114	-
SELF551	EW-51	1/29/21 8:48 AM	33.9	24.5	0.1	41.5	-8.54	-8.53	104	104	-
SELF551	EW-51	2/26/21 9:24 AM	37.3	24.3	0.2	38.2	-8.04	-8.18	104	104	-
SELF551	EW-51	3/30/21 9:20 AM	44.7	25.7	0.0	29.6	-2.75	-2.80	102	102	-
SELF551	EW-51	4/30/21 8:39 AM	55.0	27.3	0.0	17.7	-1.28	-1.30	100	100	-
SELF551	EW-51	5/27/21 8:39 AM	59.0	28.4	0.0	12.6	-1.29	-1.31	100	100	-
SELF551	EW-51	6/30/21 8:29 AM	67.1	29.1	0.0	3.8	-2.39	-2.40	101	101	-
SELF552	EW-52	1/29/21 8:52 AM	32.4	20.7	1.6	45.3	-3.96	-3.96	116	116	-
SELF552	EW-52	2/26/21 9:30 AM	34.5	20.0	1.5	44.0	-4.48	-5.09	117	117	-
SELF552	EW-52	3/30/21 9:25 AM	35.6	20.5	0.5	43.4	-1.07	-1.11	114	114	-
SELF552	EW-52	4/30/21 8:44 AM	44.4	22.2	0.1	33.3	-0.61	-0.63	113	113	-
SELF552	EW-52	5/27/21 8:48 AM	45.6	22.0	0.0	32.4	-0.66	-0.65	112	112	-
SELF552	EW-52	6/30/21 8:31 AM	64.8	24.9	0.0	10.3	-0.96	-0.97	109	109	-
SELF553	EW-53	1/29/21 9:13 AM	31.2	24.2	0.5	44.1	-9.92	-9.97	105	105	-
SELF553	EW-53	2/26/21 9:34 AM	36.0	24.0	0.2	39.8	-9.61	-9.66	106	106	-
SELF553	EW-53	3/30/21 9:29 AM	33.2	25.1	0.0	41.7	-4.44	-4.44	104	104	-
SELF553	EW-53	4/30/21 9:29 AM	38.7	26.7	0.1	34.5	-2.20	-2.23	103	103	-
SELF553	EW-53	5/27/21 8:52 AM	41.8	27.3	0.0	30.9	-2.06	-2.07	102	102	-
SELF553	EW-53	6/30/21 9:14 AM	56.3	28.8	0.2	14.7	-3.66	-3.70	103	103	-
SELF554	EW-54	1/29/21 9:21 AM	31.5	23.8	3.1	41.6	-13.10	-13.20	67	65	-
SELF554	EW-54	2/26/21 9:37 AM	27.1	17.6	4.3	51.0	-10.91	-10.87	81	81	-
SELF554	EW-54	3/30/21 9:32 AM	7.7	8.3	4.9	79.1	-15.27	-15.20	78	78	-
SELF554	EW-54	4/30/21 9:32 AM	38.0	21.8	3.7	36.5	-6.61	-6.61	87	88	-
SELF554	EW-54	5/27/21 8:55 AM	41.3	25.0	4.6	29.1	-5.66	-5.66	79	79	-
SELF554	EW-54	6/30/21 9:16 AM	52.1	23.9	3.2	20.8	-13.56	-13.56	83	83	-
SELF555	EW-55	1/29/21 9:25 AM	33.3	22.0	0.0	44.7	-7.02	-7.00	102	102	-
SELF555	EW-55	2/26/21 9:41 AM	37.0	21.8	0.2	41.0	-6.80	-7.29	103	103	-
SELF555	EW-55	3/30/21 9:37 AM	31.7	20.9	0.2	47.2	-2.50	-2.53	101	101	-
SELF555	EW-55	4/30/21 9:37 AM	28.7	21.5	0.2	49.6	-1.31	-1.36	101	101	-
SELF555	EW-55	5/27/21 9:01 AM	33.2	21.3	0.1	45.4	-1.18	-1.19	99	99	-
SELF555	EW-55	6/30/21 9:22 AM	60.4	22.4	0.1	17.1	-1.96	-1.98	102	102	-
SELF556	EW-56	1/29/21 9:29 AM	0.7	11.8	2.9	84.6	-0.39	-0.47	81	82	-
SELF556	EW-56	2/26/21 9:44 AM	3.0	13.5	2.6	80.9	-0.43	-0.42	88	88	-
SELF556	EW-56	3/30/21 9:42 AM	4.8	13.3	4.5	77.4	-0.14	-0.11	123	123	-
SELF556	EW-56	4/30/21 9:42 AM	9.8	15.6	1.4	73.2	-1.41	-1.27	121	121	-
SELF556	EW-56	5/27/21 9:07 AM	13.5	16.5	0.1	69.9	-0.55	-0.83	118	119	-
SELF556	EW-56	6/30/21 9:26 AM	38.4	19.1	0.0	42.5	-0.45	-0.46	120	120	-
SELF557	EW-57	1/28/21 2:55 PM	69.4	30.3	0.0	0.3	-0.48	-0.11	93	93	-
SELF557	EW-57	2/25/21 2:00 PM	64.9	30.4	0.0	4.7	-5.28	-6.47	97	98	-
SELF557	EW-57	3/31/21 2:04 PM	71.2	28.2	0.0	0.6	-0.11	-0.24	104	104	-
SELF557	EW-57	4/29/21 2:03 PM	69.7	28.4	0.0	1.9	-0.08	-0.12	104	104	-
SELF557	EW-57	5/26/21 2:04 PM	70.1	28.3	0.0	1.6	-0.12	-0.17	105	105	-
SELF557	EW-57	6/29/21 2:04 PM	70.9	28.7	0.2	0.2	-2.02	-1.98	104	104	-
SELF558	EW-58	1/28/21 2:50 PM	71.8	28.2	0.0	0.0	-0.07	-0.10	101	101	-
SELF558	EW-58	2/25/21 1:54 PM	69.8	27.9	0.1	2.2	-3.83	-4.32	102	102	-
SELF558	EW-58	3/31/21 1:58 PM	71.9	27.5	0.0	0.6	-0.98	-1.14	106	106	-
SELF558	EW-58	4/29/21 1:57 PM	72.6	27.4	0.0	0.0	-0.52	-0.62	106	106	-
SELF558	EW-58	5/26/21 1:58 PM	71.3	28.5	0.0	0.2	-0.72	-0.75	107	107	-
SELF558	EW-58	6/29/21 1:36 PM	72.9	26.9	0.0	0.2	-2.85	-2.86	106	106	-
SELF559	EW-59	1/28/21 3:06 PM	61.9	37.7	0.0	0.4	-6.90	-6.96	84	84	-
SELF559	EW-59	2/25/21 2:08 PM	59.6	34.4	0.2	5.8	-1.07	-1.22	95	95	-
SELF559	EW-59	3/31/21 2:13 PM	63.7	34.7	0.0	1.6	-1.50	-1.51	97	97	-
SELF559	EW-59	4/29/21 2:12 PM	62.9	33.4	0.0	3.7	-0.78	-0.78	99	99	-
SELF559	EW-59	5/26/21 2:15 PM	63.8	34.3	0.0	1.9	-0.99	-1.07	105	105	-
SELF559	EW-59	6/29/21 2:13 PM	61.6	33.7	0.1	4.6	-1.40	-1.28	103	103	-
SELF560	EW-60	1/28/21 2:45 PM	72.0	25.9	0.0	2.1	-0.45	-0.44	112	112	-
SELF560	EW-60	2/25/21 1:48 PM	69.0	26.8	0.2	4.0	-6.71	-9.00	113	113	-
SELF560	EW-60	3/31/21 1:53 PM	71.8	28.0	0.2	0.0	-0.83	-0.92	116	116	-
SELF560	EW-60	4/29/21 1:49 PM	72.5	27.0	0.0	0.5	-0.40	-0.45	115	115	-
SELF560	EW-60	5/26/21 1:53 PM	72.6	26.8	0.0	0.6	-0.52	-0.54	116	116	-
SELF560	EW-60	6/29/21 1:31 PM	73.8	26.2	0.1	-	-2.17	-2.20	116	116	-
SELF561	EW-61	1/28/21 3:13 PM	61.2	38.8	0.0	0.0	-0.15	-0.16	88	88	-
SELF561	EW-61	2/25/21 2:16 PM	61.1	35.4	0.1	3.4	-6.15	-6.23	93	93	-
SELF561	EW-61	3/31/21 2:30 PM	62.9	37.1	0.0	0.0	-0.55	-0.55	96	96	-
SELF561	EW-61	4/29/21 2:23 PM	63.5	36.5	0.0	0.0	-0.05	-0.06	98	98	-
SELF561	EW-61	5/26/21 2:25 PM	64.1	35.0	0.0	0.9	-0.76	-0.79	104	104	-
SELF561	EW-61	6/29/21 2:23 PM	63.5	34.6	0.0	1.9	-1.16	-0.89	104	104	-

**ATTACHMENT 1
LFG WELLHEAD MONITORING SUMMARY
HILLSBOROUGH SOUTHEAST COUNTY LANDFILL, LITHIA, FLORIDA
2021 FIRST SEMIANNUAL REPORT - JANUARY 1, 2021 THROUGH JUNE 30, 2021**



Oxygen exceedance above 5% by vol.
Static Pressure exceedance above 0"-H₂O
Temperature exceedance above 131 °F

Device ID	Well ID	Date/Time	CH ₄ (% by Vol.)	CO ₂ (% by Vol.)	O ₂ (% by Vol.)	Balance Gas (% by Vol.)	Init. Static Pressure (in-H ₂ O)	Adj. Static Pressure (in-H ₂ O)	Init. Gas Temperature (°F)	Adj. Gas Temperature (°F)	Comments
SELF62	EW-62	1/28/21 2:41 PM	64.5	26.2	0.0	9.3	-6.33	-6.37	115	115	-
SELF62	EW-62	2/25/21 1:43 PM	61.6	25.2	0.2	13.0	-5.60	-6.05	116	116	-
SELF62	EW-62	3/31/21 1:20 PM	71.9	25.4	0.2	2.5	-5.19	-5.82	117	117	-
SELF62	EW-62	4/29/21 1:43 PM	73.3	24.8	0.0	1.9	-2.87	-3.00	116	116	-
SELF62	EW-62	5/26/21 1:48 PM	73.4	24.4	0.0	2.2	-2.58	-2.77	117	117	-
SELF62	EW-62	6/29/21 1:26 PM	74.8	24.7	0.3	0.2	-7.56	-7.59	117	117	-
SELF63	EW-63	1/28/21 2:36 PM	68.9	31.0	0.1	0.0	-1.94	-1.95	110	110	-
SELF63	EW-63	2/25/21 2:21 PM	65.8	31.0	0.1	3.1	-1.23	-1.28	110	110	-
SELF63	EW-63	3/31/21 2:20 PM	68.5	30.2	0.0	1.3	-0.08	-0.16	111	111	-
SELF63	EW-63	4/29/21 2:27 PM	69.1	30.4	0.0	0.5	-0.06	-0.09	111	111	-
SELF63	EW-63	5/26/21 1:42 PM	69.6	30.0	0.0	0.4	-0.41	-0.39	111	111	-
SELF64	EW-64	1/28/21 1:44 PM	64.0	29.6	0.1	6.3	-2.48	-2.49	109	109	-
SELF64	EW-64	2/25/21 2:26 PM	64.7	29.4	0.0	5.9	-1.45	-1.55	110	110	-
SELF64	EW-64	3/31/21 11:26 AM	63.6	29.2	0.4	6.8	-2.42	-2.41	109	109	-
SELF64	EW-64	4/29/21 2:33 PM	68.7	29.8	0.0	1.5	-0.33	-0.36	109	109	-
SELF64	EW-64	5/26/21 1:32 PM	69.4	30.5	0.1	0.0	-1.17	-1.14	110	110	-
SELF65	EW-65	1/28/21 1:50 PM	71.2	26.4	0.0	2.4	-2.20	-2.23	95	95	-
SELF65	EW-65	2/25/21 2:31 PM	69.1	25.9	0.0	5.0	-1.40	-1.43	90	90	-
SELF65	EW-65	3/31/21 11:31 AM	69.3	23.9	0.0	6.8	-1.38	-1.56	100	100	-
SELF65	EW-65	4/29/21 2:38 PM	69.1	23.6	0.0	7.3	-0.85	-0.90	102	102	-
SELF65	EW-65	5/26/21 1:25 PM	72.2	22.6	0.2	5.0	-1.19	-1.23	103	103	-
SELF65	EW-65	6/29/21 11:17 AM	72.5	22.2	0.0	5.3	-3.07	-3.08	103	103	-
SELF66	EW-66	1/29/21 2:36 PM	38.7	20.7	0.0	40.6	-1.05	-1.04	94	94	-
SELF66	EW-66	2/25/21 2:37 PM	52.9	22.3	0.0	24.8	-0.72	-0.75	99	99	-
SELF66	EW-66	3/31/21 10:52 AM	58.0	22.4	0.0	19.6	-0.88	-0.91	101	101	-
SELF66	EW-66	4/29/21 1:33 PM	68.8	22.9	0.0	8.3	-0.12	-0.15	100	100	-
SELF66	EW-66	5/26/21 11:18 AM	71.5	21.7	0.0	6.8	-0.22	-0.23	100	100	-
SELF66	EW-66	6/29/21 11:08 AM	70.7	20.5	0.6	8.2	-0.74	-0.75	99	99	-
SELF67	EW-67	1/28/21 1:38 PM	54.9	19.6	0.5	25.0	-4.12	-4.11	101	101	-
SELF67	EW-67	3/31/21 11:01 AM	52.9	30.1	0.0	17.0	-0.36	-0.28	97	97	-
SELF67	EW-67	4/29/21 1:27 PM	66.6	31.2	0.0	2.2	-0.68	-1.75	100	100	-
SELF67	EW-67	5/26/21 11:24 AM	66.7	31.5	0.0	1.8	-0.24	-0.29	100	100	-
SELF67	EW-67	6/29/21 11:02 AM	66.8	32.6	0.0	0.6	-0.14	-0.16	100	100	-
SELF68	EW-68	1/28/21 2:04 PM	61.5	27.6	1.0	9.9	-0.41	-0.42	98	98	-
SELF68	EW-68	2/25/21 1:39 PM	63.2	24.8	0.4	11.6	-4.91	-4.89	101	102	-
SELF68	EW-68	3/31/21 10:06 AM	65.0	25.4	0.0	9.6	-0.98	-1.33	103	103	-
SELF68	EW-68	4/29/21 11:47 AM	69.3	27.5	0.0	3.2	-1.47	-1.54	104	104	-
SELF68	EW-68	5/26/21 11:34 AM	71.4	27.2	0.0	1.4	-0.26	-0.35	106	106	-
SELF68	EW-68	6/29/21 10:46 AM	65.4	27.6	0.9	6.1	-0.05	-0.06	106	106	-
SELF69	EW-69	1/28/21 1:09 PM	54.8	27.7	0.2	17.3	-0.56	-0.55	94	94	-
SELF69	EW-69	2/25/21 12:54 PM	66.3	32.2	0.3	1.2	-0.16	-0.18	97	97	-
SELF69	EW-69	3/31/21 10:32 AM	57.9	30.3	0.0	11.8	-0.19	-0.22	96	96	-
SELF69	EW-69	4/29/21 11:32 AM	61.8	33.6	0.1	4.5	-0.35	-0.40	96	96	-
SELF69	EW-69	5/26/21 10:57 AM	62.9	33.7	0.0	3.4	-0.34	-0.37	98	98	-
SELF69	EW-69	6/29/21 10:32 AM	63.1	33.4	0.0	3.5	-1.03	-1.08	97	97	-
SELF70	EW-70	1/28/21 1:26 PM	66.1	28.9	0.0	5.0	-0.36	-0.37	103	103	-
SELF70	EW-70	2/25/21 2:47 PM	62.1	29.2	0.0	8.7	-11.48	-11.53	95	95	-
SELF70	EW-70	3/31/21 10:46 AM	66.8	29.9	0.0	3.3	-0.36	-0.41	100	100	-
SELF70	EW-70	4/29/21 1:20 PM	68.6	29.7	0.0	1.7	-0.07	-0.10	101	101	-
SELF70	EW-70	5/26/21 11:10 AM	66.9	29.6	0.0	3.5	-0.31	-0.33	102	102	-
SELF70	EW-70	6/29/21 10:51 AM	66.9	29.6	0.0	3.5	-1.15	-1.17	102	102	-
SELF71	EW-71	1/28/21 1:16 PM	51.9	27.8	0.0	20.3	-0.15	-0.12	91	91	-
SELF71	EW-71	2/25/21 2:52 PM	59.8	27.1	0.0	13.1	-8.02	-9.44	87	87	-
SELF71	EW-71	3/31/21 10:37 AM	63.3	29.4	0.0	7.3	-0.21	-0.30	95	95	-
SELF71	EW-71	4/29/21 1:14 PM	62.9	28.5	0.2	8.4	-0.05	-0.09	97	97	-
SELF71	EW-71	5/26/21 11:05 AM	57.2	30.3	0.0	12.5	-0.25	-0.29	98	98	-
SELF71	EW-71	6/29/21 10:51 AM	66.9	29.6	0.0	3.5	-1.15	-1.17	102	102	-
SELF101	EW-101	1/28/21 7:48 AM	55.2	29.0	0.0	15.8	-14.99	-14.99	98	99	-
SELF101	EW-101	1/28/21 7:48 AM	55.2	29.0	0.0	15.8	-14.99	-14.99	98	99	-
SELF101	EW-101	2/25/21 8:14 AM	59.3	29.7	0.4	10.6	-10.69	-10.65	99	99	-
SELF101	EW-101	2/25/21 8:14 AM	59.3	29.7	0.4	10.6	-10.69	-10.65	99	99	-
SELF101	EW-101	3/26/21 8:02 AM	57.5	29.8	0.2	12.5	-12.27	-12.45	98	98	-
SELF101	EW-101	3/26/21 8:02 AM	57.5	29.8	0.2	12.5	-12.27	-12.45	98	98	-
SELF101	EW-101	4/29/21 7:46 AM	67.3	29.7	0.2	2.8	-4.42	-4.54	95	95	-
SELF101	EW-101	5/26/21 7:55 AM	69.3	30.6	0.1	0.0	-3.31	-3.38	97	98	-
SELF101	EW-101	6/29/21 7:44 AM	68.7	29.7	0.1	1.5	-8.23	-8.37	101	101	-
SELF102	EW-102	1/28/21 7:53 AM	37.3	24.0	0.0	38.7	-13.67	-13.68	115	116	-
SELF102	EW-102	1/28/21 7:53 AM	37.3	24.0	0.0	38.7	-13.67	-13.68	115	116	-
SELF102	EW-102	2/25/21 8:18 AM	39.1	24.3	0.2	36.4	-11.08	-11.10	117	117	-
SELF102	EW-102	2/25/21 8:18 AM	39.1	24.3	0.2	36.4	-11.08	-11.10	117	117	-
SELF102	EW-102	3/26/21 8:07 AM	51.9	26.1	0.0	22.0	-6.74	-6.91	114	114	-
SELF102	EW-102	3/26/21 8:07 AM	51.9	26.1	0.0	22.0	-6.74	-6.91	114	114	-
SELF102	EW-102	4/29/21 7:50 AM	63.6	27.5	0.1	8.8	-4.10	-4.24	112	113	-
SELF102	EW-102	5/26/21 8:00 AM	69.8	28.3	0.1	1.8	-2.98	-3.00	113	114	-
SELF102	EW-102	6/29/21 7:49 AM	71.0	29.0	0.0	0.0	-5.82	-5.86	116	116	-

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HILLSBOROUGH SOUTHEAST COUNTY LANDFILL, LITHIA, FLORIDA
2021 FIRST SEMI ANNUAL REPORT - JANUARY 1, 2021 THROUGH JUNE 30, 2021**



Oxygen exceedance above 5% by vol.
Static Pressure exceedance above 0" H₂O
Temperature exceedance above 131 °F

Device ID	Well ID	Date/Time	CH ₄ (% by Vol.)	CO ₂ (% by Vol.)	O ₂ (% by Vol.)	Balance Gas (% by Vol.)	Init. Static Pressure (in-H ₂ O)	Adj. Static Pressure (in-H ₂ O)	Init. Gas Temperature (°F)	Adj. Gas Temperature (°F)	Comments
SELFW103	EW-103	1/28/21 7:59 AM	52.6	27.5	0.0	19.9	-10.98	-11.11	116	116	-
SELFW103	EW-103	1/28/21 7:59 AM	52.6	27.5	0.0	19.9	-10.98	-11.11	116	116	-
SELFW103	EW-103	2/25/21 8:22 AM	52.8	27.8	0.2	19.2	-10.03	-10.02	116	116	-
SELFW103	EW-103	2/25/21 8:22 AM	52.8	27.8	0.2	19.2	-10.03	-10.02	116	116	-
SELFW103	EW-103	3/26/21 8:12 AM	62.7	29.8	0.0	7.5	-6.48	-6.59	113	113	-
SELFW103	EW-103	3/26/21 8:12 AM	62.7	29.8	0.0	7.5	-6.48	-6.59	113	113	-
SELFW103	EW-103	4/29/21 7:59 AM	68.5	31.0	0.2	0.3	-1.61	-1.78	110	111	-
SELFW103	EW-103	5/26/21 8:08 AM	68.3	31.7	0.0	0.0	-1.39	-1.40	109	109	-
SELFW103	EW-103	6/29/21 7:53 AM	68.3	31.7	0.0	0.0	-3.70	-3.70	113	113	-
SELFW104	EW-104	1/28/21 8:04 AM	65.0	31.2	0.0	3.8	-7.26	-6.76	103	103	-
SELFW104	EW-104	1/28/21 8:04 AM	65.0	31.2	0.0	3.8	-7.26	-6.76	103	103	-
SELFW104	EW-104	2/25/21 8:29 AM	65.0	31.2	0.1	3.7	-5.94	-5.94	104	104	-
SELFW104	EW-104	2/25/21 8:29 AM	65.0	31.2	0.1	3.7	-5.94	-5.94	104	104	-
SELFW104	EW-104	3/26/21 8:16 AM	68.8	31.2	0.0	0.0	-6.53	-7.05	103	103	-
SELFW104	EW-104	3/26/21 8:16 AM	68.8	31.2	0.0	0.0	-6.53	-7.05	103	103	-
SELFW104	EW-104	4/29/21 8:03 AM	68.4	31.3	0.1	0.2	-3.52	-3.58	103	103	-
SELFW104	EW-104	5/26/21 8:12 AM	68.1	31.8	0.0	0.1	-3.15	-3.17	103	104	-
SELFW104	EW-104	6/29/21 7:57 AM	67.8	32.1	0.1	0.0	-6.49	-6.52	105	105	-
SELFW105	EW-105	1/28/21 8:08 AM	42.0	26.3	0.0	31.7	-10.18	-10.21	115	115	-
SELFW105	EW-105	1/28/21 8:08 AM	42.0	26.3	0.0	31.7	-10.18	-10.21	115	115	-
SELFW105	EW-105	2/25/21 8:36 AM	41.3	26.6	0.2	31.9	-8.65	-8.65	116	116	-
SELFW105	EW-105	2/25/21 8:36 AM	41.3	26.6	0.2	31.9	-8.65	-8.65	116	116	-
SELFW105	EW-105	3/26/21 8:20 AM	51.4	29.4	0.0	19.2	-3.96	-4.14	114	114	-
SELFW105	EW-105	3/26/21 8:20 AM	51.4	29.4	0.0	19.2	-3.96	-4.14	114	114	-
SELFW105	EW-105	4/29/21 8:07 AM	63.6	32.9	0.0	3.5	-0.72	-0.74	113	113	-
SELFW105	EW-105	5/26/21 8:17 AM	65.0	35.0	0.0	0.0	-0.87	-0.88	114	114	-
SELFW105	EW-105	6/29/21 8:01 AM	65.2	34.8	0.0	0.0	-2.47	-2.48	116	116	-
SELFW106	EW-106	1/28/21 8:12 AM	42.9	23.9	0.0	33.2	-15.28	-15.31	97	97	-
SELFW106	EW-106	1/28/21 8:12 AM	42.9	23.9	0.0	33.2	-15.28	-15.31	97	97	-
SELFW106	EW-106	2/25/21 8:39 AM	42.9	23.8	0.1	33.2	-12.51	-12.51	97	97	-
SELFW106	EW-106	2/25/21 8:39 AM	42.9	23.8	0.1	33.2	-12.51	-12.51	97	97	-
SELFW106	EW-106	3/26/21 8:25 AM	52.1	26.2	0.0	21.7	-10.60	-10.75	98	98	-
SELFW106	EW-106	3/26/21 8:25 AM	52.1	26.2	0.0	21.7	-10.60	-10.75	98	98	-
SELFW106	EW-106	4/29/21 8:12 AM	62.6	29.0	0.0	8.4	-4.68	-4.84	94	94	-
SELFW106	EW-106	5/26/21 8:21 AM	67.3	30.7	0.0	2.0	-3.46	-3.54	95	95	-
SELFW106	EW-106	6/29/21 8:05 AM	67.9	32.1	0.0	0.0	-8.20	-8.25	102	102	-
SELFDW11	DW 1-1	1/28/21 1:57 PM	50.6	28.8	2.5	18.1	-0.32	-0.33	96	96	-
SELFDW11	DW 1-1	2/25/21 1:04 PM	48.1	27.2	3.6	21.1	-0.08	-0.11	98	98	-
SELFDW11	DW 1-1	3/31/21 10:14 AM	55.8	29.3	2.1	12.8	-0.14	-0.20	101	102	-
SELFDW11	DW 1-1	4/29/21 11:39 AM	57.1	28.4	1.7	12.8	-0.02	-0.04	102	102	-
SELFDW11	DW 1-1	5/26/21 11:38 AM	62.5	27.8	0.8	8.9	-0.02	-0.04	105	105	-
SELFDW11	DW 1-1	6/29/21 10:39 AM	56.4	27.7	1.6	14.3	-0.54	-0.55	105	105	-
SELFDW12	DW 1-2	1/28/21 1:59 PM	55.3	32.5	0.2	12.0	-0.31	-0.31	101	101	-
SELFDW12	DW 1-2	2/25/21 1:11 PM	56.3	31.5	0.2	12.0	-0.18	-0.20	103	103	-
SELFDW12	DW 1-2	3/31/21 10:18 AM	60.8	31.2	0.1	7.9	-0.24	-0.30	106	107	-
SELFDW12	DW 1-2	4/29/21 11:42 AM	65.4	30.6	0.2	3.8	-0.09	-0.12	107	107	-
SELFDW12	DW 1-2	5/26/21 11:44 AM	69.9	30.1	0.0	0.0	-0.01	-0.01	108	108	-
SELFDW12	DW 1-2	6/29/21 10:42 AM	67.9	28.4	0.1	3.6	-0.73	-0.73	108	108	-
SELFDW21	DW 2-1	1/28/21 1:02 PM	22.0	21.3	3.0	53.7	-0.35	-0.38	81	81	-
SELFDW21	DW 2-1	2/25/21 12:47 PM	24.8	31.4	2.1	41.7	-0.73	-0.71	117	117	-
SELFDW21	DW 2-1	3/31/21 10:23 AM	48.8	36.0	0.0	15.2	-0.48	-0.52	103	109	-
SELFDW21	DW 2-1	4/29/21 11:25 AM	35.9	33.3	4.3	26.5	-0.27	-0.17	116	116	-
SELFDW21	DW 2-1	5/26/21 10:47 AM	47.9	41.7	0.2	10.2	-0.09	-0.10	104	105	-
SELFDW21	DW 2-1	6/29/21 10:27 AM	49.0	39.4	0.2	11.4	-0.50	-0.49	112	113	-
SELFDW22	DW 2-2	1/28/21 1:04 PM	21.7	14.5	3.4	60.4	-0.36	-0.36	91	91	-
SELFDW22	DW 2-2	2/25/21 12:50 PM	28.9	28.9	4.8	37.4	-0.24	-0.23	108	108	-
SELFDW22	DW 2-2	3/31/21 10:26 AM	36.6	33.5	2.5	27.4	-0.45	-0.47	111	111	-
SELFDW22	DW 2-2	4/29/21 11:27 AM	35.3	32.7	4.5	27.5	-0.19	-0.20	101	102	-
SELFDW22	DW 2-2	5/26/21 10:52 AM	47.8	41.1	1.7	9.4	-0.10	-0.11	100	102	-
SELFDW22	DW 2-2	6/29/21 10:24 AM	46.6	27.4	3.9	22.1	-0.53	-0.53	99	99	-
SELFHC01	HC-1	1/27/21 7:57 AM	0.9	7.2	17.9	74.0	-0.19	-0.18	67	67	-
SELFHC01	HC-1	1/27/21 7:59 AM	0.9	6.6	18.3	74.2	-13.60	-13.60	67	67	-
SELFHC01	HC-1	2/24/21 9:13 AM	3.2	17.1	14.6	65.1	-0.29	-0.18	80	81	-
SELFHC01	HC-1	2/24/21 9:16 AM	2.5	14.2	15.8	67.5	-11.25	-11.24	80	80	-
SELFHC01	HC-1	3/25/21 8:15 AM	0.2	0.9	20.2	78.7	-0.32	-0.27	70	70	-
SELFHC01	HC-1	3/25/21 8:18 AM	0.3	2.1	19.9	77.7	-14.22	-14.11	69	70	-
SELFHC01	HC-1	4/28/21 7:59 AM	3.3	21.0	12.0	63.7	0.02	0.03	76	76	Exceedant Reading, Adjustment Made
SELFHC01	HC-1	4/28/21 8:01 AM	2.4	15.7	13.9	68.0	-8.92	-8.92	73	73	Recheck - In Compliance
SELFHC01	HC-1	5/25/21 8:52 AM	0.3	4.3	18.4	77.0	0.04	0.06	87	87	Exceedant Reading, Adjustment Made
SELFHC01	HC-1	5/25/21 8:54 AM	0.3	3.7	18.7	77.3	-6.33	-6.32	88	88	Recheck - In Compliance
SELFHC01	HC-1	6/28/21 8:26 AM	0.2	2.3	18.4	79.1	-2.22	-1.71	86	86	-
SELFHC01	HC-1	6/28/21 8:28 AM	0.2	2.0	18.8	79.0	-14.03	-14.04	84	84	-

ATTACHMENT 1
LFG WELLHEAD MONITORING SUMMARY
HILLSBOROUGH SOUTHEAST COUNTY LANDFILL, LITHIA, FLORIDA
2021 FIRST SEMI-ANNUAL REPORT - JANUARY 1, 2021 THROUGH JUNE 30, 2021



Oxygen exceedance above 5% by vol.
 Static Pressure exceedance above 0"-H₂O
 Temperature exceedance above 131 °F

Device ID	Well ID	Date/Time	CH ₄ (% by Vol.)	CO ₂ (% by Vol.)	O ₂ (% by Vol.)	Balance Gas (% by Vol.)	Init. Static Pressure (in-H ₂ O)	Adj. Static Pressure (in-H ₂ O)	Init. Gas Temperature (°F)	Adj. Gas Temperature (°F)	Comments
SELFHC02	HC-2	1/27/21 8:05 AM	3.6	3.4	18.0	75.0	-2.05	-1.54	67	67	-
SELFHC02	HC-2	1/27/21 8:07 AM	3.2	3.1	18.2	75.5	-13.77	-13.76	67	67	-
SELFHC02	HC-2	2/24/21 9:21 AM	7.9	23.0	10.5	58.6	-0.79	-0.73	80	80	-
SELFHC02	HC-2	2/24/21 9:24 AM	4.6	13.9	14.0	67.5	-10.90	-10.90	80	80	-
SELFHC02	HC-2	3/25/21 8:23 AM	4.5	18.4	12.3	64.8	-0.84	-0.80	72	72	-
SELFHC02	HC-2	3/25/21 8:25 AM	3.5	17.4	13.0	66.1	-14.97	-14.96	69	68	-
SELFHC02	HC-2	4/28/21 8:06 AM	0.2	24.5	5.4	69.9	-0.75	-0.76	74	74	-
SELFHC02	HC-2	4/28/21 8:08 AM	0.1	15.4	11.7	72.8	-8.68	-8.67	74	74	-
SELFHC02	HC-2	5/25/21 8:59 AM	0.1	20.8	7.5	71.6	-0.50	-0.44	85	85	-
SELFHC02	HC-2	5/25/21 9:01 AM	0.0	7.3	15.1	77.6	-6.41	-6.41	84	84	-
SELFHC02	HC-2	6/28/21 8:32 AM	0.1	8.5	13.4	78.0	-0.24	-0.27	85	86	-
SELFHC02	HC-2	6/28/21 8:34 AM	0.1	12.0	9.3	78.6	-14.06	-14.05	84	84	-
SELFHC03	HC-3	1/27/21 8:43 AM	61.7	38.0	0.3	0.0	-0.25	-0.23	83	83	-
SELFHC03	HC-3	2/24/21 9:30 AM	60.0	37.3	0.3	2.4	-1.92	-3.10	85	85	-
SELFHC03	HC-3	3/25/21 8:30 AM	60.4	35.9	0.8	2.9	-2.63	-2.75	82	82	-
SELFHC03	HC-3	4/28/21 8:12 AM	61.3	36.8	0.1	1.8	-2.02	-2.14	84	84	-
SELFHC03	HC-3	5/25/21 9:07 AM	63.2	36.6	0.2	0.0	-2.44	-3.98	86	86	-
SELFHC03	HC-3	6/28/21 8:38 AM	62.6	37.2	0.2	0.0	-1.15	-0.59	88	88	-
SELFHC04	HC-4	1/27/21 8:50 AM	0.2	2.7	17.5	79.6	-0.87	-0.88	77	77	-
SELFHC04	HC-4	1/27/21 8:52 AM	0.2	1.8	18.8	79.2	-0.18	-0.19	76	75	-
SELFHC04	HC-4	1/27/21 8:54 AM	0.1	2.2	17.6	80.1	-0.42	-0.38	76	76	-
SELFHC04	HC-4	2/24/21 9:35 AM	0.2	12.7	3.6	83.5	-0.05	-0.05	85	85	-
SELFHC04	HC-4	2/24/21 9:37 AM	0.0	12.7	3.7	83.6	-2.27	-2.28	83	83	-
SELFHC04	HC-4	3/25/21 8:34 AM	0.5	6.9	16.1	76.5	-2.74	-2.72	81	81	-
SELFHC04	HC-4	3/25/21 8:36 AM	0.1	2.5	17.5	79.9	-3.94	-3.92	81	81	-
SELFHC04	HC-4	4/28/21 8:16 AM	26.7	21.0	0.1	52.2	0.26	0.24	78	78	Exceedant Reading, Adjustment Made
SELFHC04	HC-4	4/28/21 8:18 AM	27.5	22.3	0.0	50.2	-1.52	-1.50	81	81	Recheck - In Compliance
SELFHC04	HC-4	5/25/21 9:12 AM	0.5	5.5	13.3	80.7	-0.16	-0.17	94	94	-
SELFHC04	HC-4	5/25/21 9:14 AM	0.5	5.5	13.4	80.6	-0.17	-0.18	94	94	-
SELFHC04	HC-4	6/28/21 8:43 AM	41.2	24.5	0.1	34.2	0.23	0.21	89	89	Exceedant Reading, Adjustment Made
SELFHC04	HC-4	6/28/21 8:46 AM	20.4	22.3	0.0	57.3	-0.35	-0.34	95	95	Recheck - In Compliance
SELFHC5R	HC-5R	1/27/21 8:58 AM	64.0	35.8	0.2	0.0	-0.18	-0.20	92	93	-
SELFHC5R	HC-5R	2/24/21 9:42 AM	63.7	36.0	0.3	0.0	-0.12	-1.15	97	97	-
SELFHC5R	HC-5R	3/25/21 8:44 AM	64.3	31.4	0.4	3.9	-2.02	-2.58	100	100	-
SELFHC5R	HC-5R	4/28/21 8:23 AM	65.5	34.5	0.0	0.0	-0.86	-0.87	102	102	-
SELFHC5R	HC-5R	5/25/21 9:21 AM	66.0	33.7	0.3	0.0	-0.09	-0.15	105	106	-
SELFHC5R	HC-5R	6/28/21 8:50 AM	65.4	34.6	0.0	0.0	-0.27	-0.25	107	107	-
SELFHC6R	HC-6R	1/27/21 9:03 AM	63.4	36.6	0.0	0.0	-0.02	-0.01	83	83	-
SELFHC6R	HC-6R	2/24/21 9:46 AM	60.7	36.0	0.3	3.0	-3.34	-3.96	90	91	-
SELFHC6R	HC-6R	3/25/21 8:49 AM	62.8	37.0	0.0	0.2	-5.79	-5.95	92	92	-
SELFHC6R	HC-6R	4/28/21 8:26 AM	63.7	36.3	0.0	0.0	-3.24	-3.25	95	95	-
SELFHC6R	HC-6R	5/25/21 9:26 AM	63.6	36.4	0.0	0.0	-0.12	-0.52	98	98	-
SELFHC6R	HC-6R	6/28/21 8:54 AM	64.6	35.4	0.0	0.0	-1.25	-1.01	98	98	-
SELFHC07	HC-7	1/27/21 9:07 AM	19.4	32.9	0.4	47.3	-1.06	-1.10	69	69	-
SELFHC07	HC-7	1/27/21 9:12 AM	15.5	27.6	3.8	53.1	-0.13	-0.14	69	69	-
SELFHC07	HC-7	2/24/21 9:51 AM	61.5	38.4	0.0	0.1	0.31	0.31	81	81	Exceedant Reading, Adjustment Made
SELFHC07	HC-7	2/24/21 9:54 AM	61.1	38.9	0.0	0.0	-0.22	-0.15	81	82	Recheck - In Compliance
SELFHC07	HC-7	3/25/21 8:54 AM	63.2	36.8	0.0	0.0	-0.11	-0.05	84	83	-
SELFHC07	HC-7	4/28/21 8:33 AM	63.6	36.3	0.0	0.1	-0.03	-0.05	85	85	-
SELFHC07	HC-7	5/25/21 9:33 AM	64.4	35.6	0.0	0.0	-0.25	-0.27	88	88	-
SELFHC07	HC-7	6/28/21 8:59 AM	64.0	36.0	0.0	0.0	-1.95	-1.91	89	89	-
SELFHC07	HC-7	11/23/20 10:02 AM	3.4	1.1	18.7	76.8	-0.10	-0.06	83	83	-
SELFHC07	HC-7	11/23/20 10:06 AM	18.2	15.3	8.5	58.0	-1.09	-1.06	82	82	-
SELFHC07	HC-7	12/29/20 9:04 AM	16.2	20.4	7.6	55.8	-0.47	-0.43	67	67	-
SELFHC07	HC-7	12/29/20 9:09 AM	13.5	18.3	9.6	58.6	-0.15	-0.14	68	68	-
SELFHC08	HC-8	1/27/21 9:18 AM	4.3	24.1	4.9	66.7	0.81	0.84	70	70	Exceedant Reading, Adjustment Made
SELFHC08	HC-8	1/27/21 9:20 AM	5.2	23.9	4.9	66.0	-13.68	-13.69	70	70	Recheck - In Compliance
SELFHC08	HC-8	2/24/21 10:00 AM	56.1	36.8	1.1	6.0	-10.56	-10.53	78	79	-
SELFHC08	HC-8	3/25/21 9:01 AM	60.0	38.2	0.0	1.8	-11.56	-12.97	77	77	-
SELFHC08	HC-8	4/28/21 8:38 AM	60.4	39.6	0.0	0.0	-2.72	-2.72	81	81	-
SELFHC08	HC-8	5/25/21 9:39 AM	60.0	37.8	0.0	2.2	-0.07	-0.10	86	86	-
SELFHC08	HC-8	6/28/21 9:05 AM	61.2	37.5	0.0	1.3	-1.09	-0.44	87	87	-
SELFHC09	HC-9	1/27/21 9:26 AM	60.2	38.9	0.0	0.9	-0.12	-0.09	71	71	-
SELFHC09	HC-9	2/24/21 10:05 AM	56.6	37.6	0.2	5.6	-4.10	-4.52	79	79	-
SELFHC09	HC-9	3/25/21 9:05 AM	56.5	37.0	1.3	5.2	-4.41	-4.93	80	80	-
SELFHC09	HC-9	4/28/21 8:42 AM	60.7	39.2	0.0	0.1	-3.75	-3.73	86	87	-
SELFHC09	HC-9	5/25/21 9:45 AM	60.6	39.3	0.0	0.1	-4.77	-4.80	94	94	-
SELFHC09	HC-9	6/28/21 9:10 AM	60.2	38.9	0.0	0.9	-2.63	-3.14	94	94	-
SELFHC10	HC-10	1/27/21 9:31 AM	0.1	1.6	19.6	78.7	-0.26	-0.26	72	72	-
SELFHC10	HC-10	1/27/21 9:34 AM	0.6	23.8	4.0	71.6	-13.81	-13.81	72	72	-
SELFHC10	HC-10	2/24/21 10:13 AM	0.4	2.5	18.7	78.4	-11.17	-11.17	88	88	-
SELFHC10	HC-10	3/25/21 9:13 AM	0.0	1.3	20.0	78.7	-10.94	-10.83	76	76	-
SELFHC10	HC-10	3/25/21 9:15 AM	0.1	12.9	10.7	76.3	-14.98	-14.96	77	77	-
SELFHC10	HC-10	4/28/21 8:47 AM	0.0	15.3	9.7	75.0	0.02	0.01	81	81	Exceedant Reading, Adjustment Made
SELFHC10	HC-10	4/28/21 8:48 AM	0.0	16.1	9.3	74.6	-8.70	-8.73	82	81	Recheck - In Compliance
SELFHC10	HC-10	5/25/21 9:49 AM	0.1	15.6	9.0	75.3	-0.06	-0.03	91	91	-
SELFHC10	HC-10	5/25/21 9:51 AM	0.1	16.1	8.7	75.1	-6.38	-6.41	91	90	-
SELFHC10	HC-10	6/28/21 9:15 AM	0.2	14.6	8.9	76.3	0.20	0.18	89	89	Exceedant Reading, Adjustment Made
SELFHC10	HC-10	6/28/21 9:17 AM	0.1	16.3	8.1	75.5	-14.00	-14.01	90	90	Recheck - In Compliance

ATTACHMENT 1
LFM WELLHEAD MONITORING SUMMARY
HILLSBOROUGH SOUTHEAST COUNTY LANDFILL, LITHIA, FLORIDA
2021 FIRST SEMI-ANNUAL REPORT - JANUARY 1, 2021 THROUGH JUNE 30, 2021



Oxygen exceedance above 5% by vol.
 Static Pressure exceedance above 0" H₂O
 Temperature exceedance above 131 °F

Device ID	Well ID	Date/Time	CH ₄ (% by Vol.)	CO ₂ (% by Vol.)	O ₂ (% by Vol.)	Balance Gas (% by Vol.)	Init. Static Pressure (in-H ₂ O)	Adj. Static Pressure (in-H ₂ O)	Init. Gas Temperature (°F)	Adj. Gas Temperature (°F)	Comments
SELFHC11	HC-11	1/27/21 9:42 AM	14.3	21.1	2.3	62.3	-0.25	-0.25	75	75	-
SELFHC11	HC-11	1/27/21 9:44 AM	16.5	24.5	0.0	59.0	-13.67	-13.72	73	73	-
SELFHC11	HC-11	2/24/21 10:21 AM	7.4	6.6	14.6	71.4	-11.06	-11.05	86	86	-
SELFHC11	HC-11	3/25/21 9:22 AM	14.3	18.8	4.2	62.7	-0.24	-0.24	75	75	-
SELFHC11	HC-11	3/25/21 9:24 AM	17.6	21.9	0.0	60.5	-14.81	-14.85	75	75	-
SELFHC11	HC-11	4/28/21 8:54 AM	20.0	15.2	8.9	55.9	-7.09	-6.94	79	79	-
SELFHC11	HC-11	4/28/21 8:57 AM	15.7	13.4	9.9	61.0	-8.52	-8.51	80	80	-
SELFHC11	HC-11	5/25/21 9:56 AM	17.2	20.2	2.4	60.2	-0.03	-0.04	91	91	-
SELFHC11	HC-11	5/25/21 9:58 AM	18.9	22.3	0.0	58.8	-6.48	-6.47	89	88	-
SELFHC11	HC-11	6/28/21 9:24 AM	31.1	19.5	6.2	43.2	-14.01	-14.01	87	88	-
SELFHC11	HC-11	6/28/21 9:27 AM	0.1	0.4	19.7	79.8	-8.91	-8.30	88	89	-
SELFHC12	HC-12	1/27/21 9:48 AM	0.0	8.1	16.0	75.9	-0.20	-0.20	75	75	-
SELFHC12	HC-12	1/27/21 9:50 AM	0.0	12.6	13.7	73.7	-13.95	-13.94	74	74	-
SELFHC12	HC-12	2/24/21 10:26 AM	0.2	12.2	13.5	74.1	-0.02	0.00	80	80	Exceedant Reading, Adjustment Made
SELFHC12	HC-12	2/24/21 10:36 AM	0.0	13.9	13.0	73.1	-11.18	-11.16	76	80	Recheck - In Compliance
SELFHC12	HC-12	3/25/21 9:34 AM	0.1	1.8	19.7	78.4	-0.18	-0.17	76	76	-
SELFHC12	HC-12	3/25/21 9:37 AM	0.0	14.4	12.9	72.7	-14.74	-14.74	75	75	-
SELFHC12	HC-12	4/28/21 9:02 AM	0.2	0.8	19.8	79.2	-6.44	-6.43	79	79	-
SELFHC12	HC-12	4/28/21 9:04 AM	0.1	0.4	20.0	79.5	-8.63	-8.64	81	81	-
SELFHC12	HC-12	5/25/21 10:17 AM	0.0	4.4	15.5	80.1	-0.16	-0.18	91	91	-
SELFHC12	HC-12	5/25/21 10:19 AM	0.0	4.4	15.5	80.1	-6.49	-6.47	91	90	-
SELFHC12	HC-12	6/28/21 9:34 AM	0.0	4.8	15.6	79.6	0.14	0.12	89	89	Exceedant Reading, Adjustment Made
SELFHC12	HC-12	6/28/21 9:36 AM	0.0	5.6	14.9	79.5	-14.13	-14.13	86	86	Recheck - In Compliance
SELFHC13	HC-13	1/27/21 10:02 AM	48.5	27.2	4.5	19.8	-13.82	-13.76	77	78	-
SELFHC13	HC-13	2/24/21 10:46 AM	25.5	14.3	12.2	48.0	-11.10	-11.12	87	87	-
SELFHC13	HC-13	3/25/21 9:41 AM	32.9	24.7	2.3	40.1	-0.12	-0.11	78	78	-
SELFHC13	HC-13	3/25/21 9:43 AM	36.0	28.5	0.0	35.5	-12.41	-12.47	78	78	-
SELFHC13	HC-13	4/28/21 9:09 AM	30.5	17.0	11.1	41.4	-8.56	-8.56	82	82	-
SELFHC13	HC-13	4/28/21 9:11 AM	37.1	20.8	8.1	34.0	-8.56	-8.56	84	84	-
SELFHC13	HC-13	5/25/21 10:23 AM	49.1	31.2	0.1	19.6	0.08	0.08	93	93	Exceedant Reading, Adjustment Made
SELFHC13	HC-13	5/25/21 10:25 AM	48.8	31.5	0.0	19.7	-6.24	-6.35	92	91	Recheck - In Compliance
SELFHC13	HC-13	6/28/21 9:56 AM	60.5	32.3	1.0	6.2	-10.94	-10.80	90	90	-
SELFHC14	HC-14	1/27/21 10:08 AM	45.1	26.8	3.3	24.8	-0.76	-0.80	80	80	-
SELFHC14	HC-14	2/24/21 11:01 AM	48.8	27.4	3.5	20.3	-1.74	-1.74	80	80	-
SELFHC14	HC-14	3/25/21 9:48 AM	65.3	34.7	0.0	0.0	-1.51	-1.70	77	77	-
SELFHC14	HC-14	4/28/21 9:16 AM	65.6	34.3	0.1	0.0	-0.67	-0.76	82	82	-
SELFHC14	HC-14	5/25/21 10:29 AM	65.2	34.0	0.0	0.8	-1.44	-2.00	87	87	-
SELFHC14	HC-14	6/28/21 10:02 AM	63.7	33.9	0.1	2.3	-0.11	-0.13	90	90	-
SELFHC15	HC-15	1/27/21 10:30 AM	53.6	29.5	1.4	15.5	-3.55	-3.50	72	72	-
SELFHC15	HC-15	2/24/21 11:06 AM	59.5	30.9	0.3	9.3	-5.15	-3.93	75	75	-
SELFHC15	HC-15	3/25/21 9:56 AM	12.8	21.0	2.8	63.4	-0.54	-0.24	75	75	-
SELFHC15	HC-15	4/28/21 9:20 AM	66.7	32.9	0.0	0.4	-5.01	-5.15	80	80	-
SELFHC15	HC-15	5/25/21 10:35 AM	59.2	28.6	1.3	10.9	-6.13	-6.07	87	89	-
SELFHC15	HC-15	6/28/21 10:10 AM	57.5	31.3	0.2	11.0	-0.02	-0.03	89	89	-
SELFHC16	HC-16	1/27/21 10:47 AM	0.1	1.0	19.3	79.6	-0.16	-0.17	88	89	-
SELFHC16	HC-16	1/27/21 10:50 AM	0.0	2.1	17.8	80.1	-0.23	-0.24	81	80	-
SELFHC16	HC-16	2/24/21 1:12 PM	0.4	10.1	8.7	80.8	-0.06	-0.05	93	93	-
SELFHC16	HC-16	2/24/21 1:14 PM	0.3	11.1	8.0	80.6	-0.08	-0.08	85	85	-
SELFHC16	HC-16	3/25/21 10:03 AM	0.3	2.7	18.9	78.1	-0.14	-0.15	79	79	-
SELFHC16	HC-16	3/25/21 10:05 AM	0.0	2.4	17.4	80.2	-0.41	-0.41	77	77	-
SELFHC16	HC-16	4/28/21 9:27 AM	31.6	26.5	3.2	38.7	0.06	0.05	84	84	Exceedant Reading, Adjustment Made
SELFHC16	HC-16	4/28/21 9:29 AM	34.3	29.1	1.7	34.9	-0.30	-0.31	82	82	Recheck - In Compliance
SELFHC16	HC-16	5/25/21 10:49 AM	62.9	33.4	0.1	3.6	-0.02	-0.04	85	85	-
SELFHC16	HC-16	6/28/21 10:15 AM	26.3	22.9	2.7	48.1	-0.11	-0.10	90	90	-
SELFHC17	HC-17	1/27/21 10:56 AM	0.0	5.7	13.0	81.3	-0.12	-0.12	86	86	-
SELFHC17	HC-17	1/27/21 10:58 AM	0.0	5.8	13.2	81.0	-0.11	-0.12	82	82	-
SELFHC17	HC-17	2/24/21 1:19 PM	19.5	63.0	0.3	17.2	0.28	0.27	90	90	Exceedant Reading, Adjustment Made
SELFHC17	HC-17	2/24/21 1:24 PM	29.3	68.6	0.0	2.1	-12.61	-12.61	79	79	Recheck - In Compliance
SELFHC17	HC-17	3/25/21 11:29 AM	12.2	26.7	8.4	52.7	-1.86	-1.68	78	79	-
SELFHC17	HC-17	4/28/21 9:35 AM	33.3	40.6	0.0	26.1	0.06	0.07	85	85	Exceedant Reading, Adjustment Made
SELFHC17	HC-17	4/28/21 9:37 AM	33.1	45.3	0.0	21.6	-0.23	-0.23	83	83	Recheck - In Compliance
SELFHC17	HC-17	5/25/21 10:56 AM	48.2	43.4	0.0	8.4	-0.02	-0.05	85	85	-
SELFHC17	HC-17	6/28/21 10:33 AM	33.4	31.4	2.8	32.4	-0.18	-0.20	92	92	-

ATTACHMENT 1
LFG WELLHEAD MONITORING SUMMARY
HILLSBOROUGH SOUTHEAST COUNTY LANDFILL, LITHIA, FLORIDA
2021 FIRST SEMIANNUAL REPORT - JANUARY 1, 2021 THROUGH JUNE 30, 2021



Oxygen exceedance above 5% by vol.
 Static Pressure exceedance above 0" H₂O
 Temperature exceedance above 131 °F

Device ID	Well ID	Date/Time	CH ₄ (% by Vol.)	CO ₂ (% by Vol.)	O ₂ (% by Vol.)	Balance Gas (% by Vol.)	Init. Static Pressure (in-H ₂ O)	Adj. Static Pressure (in-H ₂ O)	Init. Gas Temperature (°F)	Adj. Gas Temperature (°F)	Comments
SELFHC18	HC-18	1/27/21 11:07 AM	35.7	64.2	0.1	0.0	-5.78	-5.78	79	79	-
SELFHC18	HC-18	2/24/21 1:32 PM	45.5	52.2	0.1	2.2	-3.22	-3.52	83	82	-
SELFHC18	HC-18	3/25/21 11:36 AM	43.3	48.9	0.1	7.7	-7.05	-7.50	81	81	-
SELFHC18	HC-18	4/28/21 9:43 AM	50.9	45.8	0.0	3.3	-4.99	-5.13	82	82	-
SELFHC18	HC-18	5/25/21 11:07 AM	54.5	44.7	0.0	0.8	-3.66	-3.65	93	93	-
SELFHC18	HC-18	6/28/21 10:42 AM	54.6	43.5	0.0	1.9	-0.88	-2.33	92	92	-
SELFHC19	HC-19	1/27/21 11:16 AM	0.0	2.9	18.0	79.1	-0.14	-0.14	83	83	-
SELFHC19	HC-19	1/27/21 11:17 AM	0.0	2.1	18.3	79.6	-0.18	-0.19	80	79	-
SELFHC19	HC-19	2/24/21 1:38 PM	16.9	16.3	7.8	59.0	0.04	0.03	81	81	Exceedant Reading, Adjustment Made
SELFHC19	HC-19	2/24/21 1:40 PM	15.8	15.5	7.8	60.9	-0.03	-0.03	79	79	Recheck - In Compliance
SELFHC19	HC-19	3/25/21 11:42 AM	0.0	1.7	19.1	79.2	-0.14	-0.14	80	80	-
SELFHC19	HC-19	3/25/21 11:44 AM	0.0	0.5	19.5	80.0	-0.74	-0.73	78	78	-
SELFHC19	HC-19	4/28/21 9:51 AM	26.1	24.3	4.8	44.8	-0.34	-0.34	80	80	-
SELFHC19	HC-19	4/28/21 9:53 AM	28.4	25.5	4.4	41.7	-0.32	-0.38	80	80	-
SELFHC19	HC-19	5/25/21 11:15 AM	52.9	36.4	0.0	10.7	-0.02	-0.04	86	86	-
SELFHC19	HC-19	6/28/21 10:51 AM	15.3	18.5	8.5	57.7	-0.26	-0.17	92	92	-
SELFHC19	HC-19	6/28/21 10:54 AM	13.7	17.5	9.3	59.5	-0.09	-0.08	92	92	-
SELFHC20	HC-20	1/27/21 11:23 AM	54.3	25.8	0.2	19.7	-5.60	-4.78	113	114	-
SELFHC20	HC-20	2/24/21 1:46 PM	61.3	26.5	0.2	12.0	-7.60	-7.71	114	114	-
SELFHC20	HC-20	3/25/21 1:28 PM	71.5	28.2	0.1	0.2	-1.57	-2.26	112	112	-
SELFHC20	HC-20	4/28/21 10:03 AM	70.5	29.5	0.0	0.0	-1.33	-1.40	111	111	-
SELFHC20	HC-20	5/25/21 11:22 AM	69.9	30.1	0.0	0.0	-3.49	-3.58	113	113	-
SELFHC20	HC-20	6/28/21 11:01 AM	70.4	29.4	0.1	0.1	-0.57	-0.58	112	112	-
SELFHC21	HC-21	1/27/21 11:28 AM	0.7	18.8	6.5	74.0	0.05	0.05	90	90	Exceedant Reading, Adjustment Made
SELFHC21	HC-21	1/27/21 11:31 AM	0.6	18.7	6.5	74.2	-13.68	-13.69	87	87	Recheck - In Compliance
SELFHC21	HC-21	2/24/21 1:52 PM	0.8	1.2	19.4	78.6	-5.35	-5.30	88	89	-
SELFHC21	HC-21	2/24/21 1:54 PM	12.4	6.8	14.9	65.9	-11.07	-11.07	89	89	-
SELFHC21	HC-21	3/25/21 1:20 PM	0.8	0.8	19.6	78.8	-0.20	-0.21	91	91	-
SELFHC21	HC-21	3/25/21 1:22 PM	25.5	20.4	2.8	51.3	-14.77	-14.78	93	93	-
SELFHC21	HC-21	4/28/21 10:09 AM	3.3	4.0	17.3	75.4	-8.32	-8.31	86	86	-
SELFHC21	HC-21	4/28/21 10:11 AM	3.8	3.6	17.7	74.9	-8.28	-8.29	86	86	-
SELFHC21	HC-21	5/25/21 11:28 AM	0.2	0.8	19.2	79.8	0.05	0.03	92	92	Exceedant Reading, Adjustment Made
SELFHC21	HC-21	5/25/21 11:31 AM	3.1	13.6	8.2	75.1	-5.78	-5.79	95	95	Recheck - in Compliance
SELFHC21	HC-21	6/28/21 11:07 AM	0.2	2.0	18.3	79.5	0.18	0.19	90	91	Exceedant Reading, Adjustment Made
SELFHC21	HC-21	6/28/21 11:09 AM	1.3	20.9	1.4	76.4	-13.74	-13.73	89	89	Recheck - in Compliance
SELFHC22	HC-22	1/27/21 1:25 PM	73.6	26.1	0.3	0.0	-14.92	-14.92	86	86	-
SELFHC22	HC-22	2/24/21 2:01 PM	74.1	25.6	0.3	0.0	-12.33	-12.33	89	90	-
SELFHC22	HC-22	3/25/21 1:43 PM	72.0	24.4	0.7	2.9	-15.49	-15.51	93	92	-
SELFHC22	HC-22	4/28/21 11:26 AM	63.3	20.4	2.8	13.5	-8.46	-8.49	85	85	-
SELFHC22	HC-22	5/25/21 1:33 PM	70.3	20.5	1.8	7.4	-10.49	-10.96	95	95	-
SELFHC22	HC-22	6/28/21 1:15 PM	70.8	28.6	0.5	0.1	-14.84	-14.88	96	97	-
SELFHC23	HC-23	1/27/21 1:28 PM	26.5	13.3	2.0	58.2	-9.72	-9.70	122	122	-
SELFHC23	HC-23	2/24/21 2:05 PM	27.0	13.4	1.6	58.0	-8.17	-8.18	122	122	-
SELFHC23	HC-23	3/25/21 1:46 PM	33.0	15.0	0.9	51.1	-4.61	-4.70	120	120	-
SELFHC23	HC-23	4/28/21 11:29 AM	40.2	17.2	0.4	42.2	-3.07	-3.01	113	113	-
SELFHC23	HC-23	5/25/21 1:36 PM	50.2	18.8	0.1	30.9	-1.52	-1.56	118	118	-
SELFHC23	HC-23	6/28/21 1:19 PM	63.4	20.8	0.1	15.7	-3.98	-4.00	118	118	-
SELFHC24	HC-24	1/27/21 1:33 PM	75.7	22.6	0.2	1.5	-14.88	-14.90	97	98	-
SELFHC24	HC-24	2/24/21 2:10 PM	74.9	23.1	0.1	1.9	-12.15	-12.16	96	96	-
SELFHC24	HC-24	3/25/21 2:02 PM	76.1	20.6	0.1	3.2	-12.88	-13.16	102	102	-
SELFHC24	HC-24	4/28/21 11:36 AM	78.3	19.2	0.0	2.5	-7.12	-7.21	99	100	-
SELFHC24	HC-24	5/25/21 1:43 PM	79.9	18.3	0.2	1.6	-5.47	-5.63	105	105	-
SELFHC24	HC-24	6/28/21 1:25 PM	78.8	17.6	0.3	3.3	-13.33	-13.36	101	102	-
SELFHC25	HC-25	1/27/21 1:36 PM	61.9	27.4	0.0	10.7	-14.81	-14.95	93	94	-
SELFHC25	HC-25	2/24/21 2:13 PM	58.6	27.0	0.0	14.4	-12.62	-12.62	93	93	-
SELFHC25	HC-25	3/25/21 2:06 PM	60.6	23.2	0.1	16.1	-14.21	-14.31	100	100	-
SELFHC25	HC-25	4/28/21 11:39 AM	72.6	24.8	0.1	2.5	-8.37	-8.43	96	96	-
SELFHC25	HC-25	5/25/21 1:47 PM	70.7	27.0	0.1	2.2	-6.02	-6.10	100	101	-
SELFHC25	HC-25	6/28/21 1:29 PM	74.8	24.4	0.1	0.7	-15.13	-15.14	101	102	-
SELFH26N	HC-26N	1/27/21 2:13 PM	22.5	14.2	0.1	63.2	-4.08	-4.08	104	105	-
SELFH26N	HC-26N	2/24/21 2:57 PM	23.8	14.2	0.0	62.0	-3.45	-3.44	103	103	-
SELFH26N	HC-26N	3/25/21 2:45 PM	46.4	13.9	0.0	39.7	-2.58	-2.69	109	109	-
SELFH26N	HC-26N	4/28/21 2:33 PM	54.0	14.5	0.1	31.4	-0.90	-0.95	105	106	-
SELFH26N	HC-26N	5/25/21 2:31 PM	61.1	14.7	0.1	24.1	-0.24	-0.24	109	109	-
SELFH26N	HC-26N	6/28/21 2:09 PM	67.6	14.3	0.1	18.0	-2.33	-2.34	110	110	-
SELFH26S	HC-26S	1/27/21 1:42 PM	0.3	1.0	19.6	79.1	-4.03	-4.03	86	87	-
SELFH26S	HC-26S	1/27/21 1:44 PM	0.2	0.4	20.0	79.4	-4.03	-4.04	88	88	-
SELFH26S	HC-26S	2/24/21 2:19 PM	0.3	0.5	20.0	79.2	-1.76	-1.75	86	86	-
SELFH26S	HC-26S	2/24/21 2:21 PM	0.1	0.3	20.2	79.4	-12.33	-12.38	88	88	-
SELFH26S	HC-26S	3/25/21 2:11 PM	0.2	1.0	19.0	79.8	-0.82	-0.81	92	92	-
SELFH26S	HC-26S	3/25/21 2:13 PM	0.1	0.1	19.5	80.3	-12.93	-13.03	96	96	-
SELFH26S	HC-26S	4/28/21 1:57 PM	0.0	0.2	20.2	79.6	-0.96	-0.96	89	89	-
SELFH26S	HC-26S	4/28/21 1:59 PM	0.0	0.1	20.1	79.8	-4.01	-4.07	92	92	-
SELFH26S	HC-26S	5/25/21 1:53 PM	0.1	0.3	19.4	80.2	-0.57	-0.57	94	95	-
SELFH26S	HC-26S	5/25/21 1:55 PM	0.1	0.2	19.5	80.2	-0.65	-0.64	98	98	-
SELFH26S	HC-26S	6/28/21 1:34 PM	0.3	0.4	19.3	80.0	-2.64	-2.64	94	94	-
SELFH26S	HC-26S	6/28/21 1:37 PM	0.3	0.2	19.6	79.9	-2.70	-2.69	95	96	-

**ATTACHMENT 1
LFG WELLHEAD MONITORING SUMMARY
HILLSBOROUGH SOUTHEAST COUNTY LANDFILL, LITHIA, FLORIDA
2021 FIRST SEMI-ANNUAL REPORT - JANUARY 1, 2021 THROUGH JUNE 30, 2021**



Oxygen exceedance above 5% by vol.
Static Pressure exceedance above 0"-H₂O
Temperature exceedance above 131 °F

Device ID	Well ID	Date/Time	CH ₄ (% by Vol.)	CO ₂ (% by Vol.)	O ₂ (% by Vol.)	Balance Gas (% by Vol.)	Init. Static Pressure (in-H ₂ O)	Adj. Static Pressure (in-H ₂ O)	Init. Gas Temperature (°F)	Adj. Gas Temperature (°F)	Comments
SELFH27N	HC-27N	1/27/21 2:17 PM	0.1	0.8	19.7	79.4	-4.66	-4.65	91	91	-
SELFH27N	HC-27N	1/27/21 2:19 PM	0.1	0.4	20.0	79.5	-4.63	-4.64	90	90	-
SELFH27N	HC-27N	2/24/21 3:01 PM	0.2	0.7	19.8	79.3	-4.28	-4.28	90	90	-
SELFH27N	HC-27N	2/24/21 3:03 PM	0.6	0.9	19.1	79.4	-4.32	-4.31	90	90	-
SELFH27N	HC-27N	3/25/21 2:51 PM	0.1	0.1	19.4	80.4	-14.88	-13.79	96	95	-
SELFH27N	HC-27N	3/25/21 2:52 PM	0.0	0.1	19.6	80.3	-15.10	-15.20	95	95	-
SELFH27N	HC-27N	4/28/21 2:37 PM	0.5	3.8	18.2	77.5	0.14	0.13	91	91	Exceedant Reading, Adjustment Made
SELFH27N	HC-27N	4/28/21 2:39 PM	0.4	3.5	18.3	77.8	-6.93	-6.97	90	90	Recheck - in Compliance
SELFH27N	HC-27N	5/25/21 2:35 PM	0.3	2.6	18.4	78.7	0.26	0.26	96	96	Exceedant Reading, Adjustment Made
SELFH27N	HC-27N	5/25/21 2:37 PM	0.3	2.4	18.5	78.8	-4.69	-4.72	96	96	Recheck - in Compliance
SELFH27N	HC-27N	6/28/21 2:14 PM	1.2	5.3	17.2	76.3	0.43	0.44	94	94	Exceedant Reading, Adjustment Made
SELFH27N	HC-27N	6/28/21 2:16 PM	1.0	4.7	17.7	76.6	-14.05	-14.02	92	92	Recheck - in Compliance
SELFH27S	HC-27S	1/27/21 1:48 PM	49.0	9.9	0.6	40.5	-4.96	-5.02	107	107	-
SELFH27S	HC-27S	2/24/21 2:27 PM	50.4	10.0	0.3	39.3	-4.41	-4.62	106	106	-
SELFH27S	HC-27S	3/25/21 2:18 PM	52.7	9.2	0.2	37.9	-2.65	-2.71	99	99	-
SELFH27S	HC-27S	4/28/21 2:04 PM	64.8	9.7	0.4	25.1	-1.71	-1.80	97	98	-
SELFH27S	HC-27S	5/25/21 2:01 PM	70.2	9.7	0.3	19.8	-0.60	-0.61	99	100	-
SELFH27S	HC-27S	6/28/21 1:41 PM	75.3	9.9	0.3	14.5	-2.85	-2.86	103	103	-
SELFH28N	HC-28N	1/27/21 2:24 PM	11.5	8.6	2.2	77.7	-3.71	-3.71	89	89	-
SELFH28N	HC-28N	2/24/21 3:08 PM	10.6	8.2	3.5	77.7	-3.15	-3.15	90	90	-
SELFH28N	HC-28N	3/25/21 2:58 PM	12.1	8.9	0.3	78.7	-1.39	-1.49	97	97	-
SELFH28N	HC-28N	4/28/21 2:45 PM	19.5	9.4	0.2	70.9	-0.48	-0.52	93	94	-
SELFH28N	HC-28N	5/25/21 2:44 PM	25.0	9.7	0.2	65.1	-0.33	-0.33	99	99	-
SELFH28N	HC-28N	6/28/21 2:21 PM	39.9	8.7	0.8	50.6	-2.09	-2.06	93	94	-
SELFH28S	HC-28S	1/27/21 1:53 PM	31.8	12.0	0.2	56.0	-4.42	-4.79	114	114	-
SELFH28S	HC-28S	2/24/21 2:31 PM	33.1	11.6	0.3	55.0	-3.43	-6.61	113	113	-
SELFH28S	HC-28S	3/25/21 2:22 PM	41.4	15.5	0.0	43.1	-1.69	-2.51	100	100	-
SELFH28S	HC-28S	4/28/21 2:09 PM	50.7	14.5	0.2	34.6	-0.97	-1.11	100	100	-
SELFH28S	HC-28S	5/25/21 2:05 PM	61.7	14.5	0.1	23.7	-3.69	-3.86	104	104	-
SELFH28S	HC-28S	6/28/21 1:45 PM	59.0	12.3	0.2	28.5	-2.60	-2.60	114	114	-
SELFH29N	HC-29N	1/27/21 2:28 PM	19.0	13.2	0.0	67.8	-2.19	-2.19	96	96	-
SELFH29N	HC-29N	2/24/21 3:12 PM	17.7	11.9	0.5	69.9	-2.02	-2.00	94	94	-
SELFH29N	HC-29N	3/25/21 3:01 PM	23.6	12.5	0.0	63.9	-2.46	-2.47	102	102	-
SELFH29N	HC-29N	4/28/21 2:49 PM	34.8	14.0	0.1	51.1	-0.70	-0.70	97	97	-
SELFH29N	HC-29N	5/25/21 2:49 PM	43.0	13.4	0.2	43.4	-0.32	-0.33	99	99	-
SELFH29N	HC-29N	6/28/21 2:25 PM	46.0	13.5	0.1	40.4	-1.40	-1.39	102	102	-
SELFH29S	HC-29S	1/27/21 1:57 PM	26.4	13.3	0.0	60.3	-2.35	-2.36	111	111	-
SELFH29S	HC-29S	2/24/21 2:35 PM	26.4	12.9	0.1	60.6	-1.96	-2.00	109	109	-
SELFH29S	HC-29S	3/25/21 2:26 PM	32.4	13.0	0.0	54.6	-2.25	-2.27	108	108	-
SELFH29S	HC-29S	4/28/21 2:14 PM	38.7	13.7	0.1	47.5	-1.25	-1.26	104	104	-
SELFH29S	HC-29S	5/25/21 2:09 PM	43.4	13.4	0.1	43.1	-0.36	-0.37	104	104	-
SELFH29S	HC-29S	6/28/21 1:49 PM	52.3	13.8	0.1	33.8	-1.71	-1.72	111	111	-
SELFH30S	HC-30S	1/27/21 2:01 PM	0.5	1.1	19.4	79.0	-15.12	-15.19	88	88	-
SELFH30S	HC-30S	1/27/21 2:02 PM	0.4	0.7	19.8	79.1	-15.31	-15.30	88	88	-
SELFH30S	HC-30S	2/24/21 2:40 PM	0.3	0.7	19.9	79.1	0.66	-0.67	88	88	-
SELFH30S	HC-30S	2/24/21 2:41 PM	0.6	0.9	19.4	79.1	-12.54	-12.52	89	89	-
SELFH30S	HC-30S	3/25/21 2:31 PM	3.0	2.0	17.6	77.4	-9.34	-8.20	93	93	-
SELFH30S	HC-30S	3/25/21 2:32 PM	6.8	2.2	15.7	75.3	-15.51	-15.52	94	94	-
SELFH30S	HC-30S	4/28/21 2:17 PM	1.4	9.9	14.7	74.0	-0.68	-0.68	90	90	-
SELFH30S	HC-30S	4/28/21 2:19 PM	1.4	9.9	14.7	74.0	-8.25	-8.24	88	88	-
SELFH30S	HC-30S	5/25/21 2:16 PM	15.9	5.0	12.8	66.3	-2.53	-2.01	93	93	-
SELFH30S	HC-30S	5/25/21 2:18 PM	25.2	7.8	7.8	59.2	-5.84	-5.83	94	94	-
SELFH30S	HC-30S	6/28/21 1:54 PM	14.7	9.7	9.6	66.0	-1.10	-1.10	93	93	-
SELFH30S	HC-30S	6/28/21 1:56 PM	22.1	12.5	0.5	64.9	-12.65	-12.67	91	91	-
SELFHC31	HC-31	1/27/21 2:09 PM	45.1	15.8	0.1	39.0	-4.08	-4.08	105	105	-
SELFHC31	HC-31	2/24/21 2:53 PM	45.4	15.4	0.2	39.0	-3.29	-3.36	104	104	-
SELFHC31	HC-31	3/25/21 2:41 PM	48.1	14.3	0.2	37.4	-2.32	-2.21	106	106	-
SELFHC31	HC-31	4/28/21 2:28 PM	58.1	14.6	0.2	27.1	-1.41	-1.34	105	105	-
SELFHC31	HC-31	5/25/21 2:26 PM	64.4	13.9	0.1	21.6	-0.24	-0.25	107	107	-
SELFHC31	HC-31	6/28/21 2:05 PM	68.4	14.6	0.0	17.0	-2.18	-2.18	106	106	-

Appendix 2

Control Device Downtime

ATTACHMENT 2
CONTROL DEVICE DOWNTIMES
HILLSBOROUGH SOUTHEAST COUNTY LANDFILL, LITHIA, FLORIDA
2021 FIRST SEMI ANNUAL REPORT - JANUARY 1, 2021 THROUGH JUNE 30, 2021

Event Start	Event End	Duration (Min.)	Duration (Hours)	Cause
1/13/2021 6:24	1/13/2021 7:32	68	1.1	Loss of power from the grid
2/3/2021 5:15	2/5/2021 13:00	3345	55.7	Power Generation Equipment Shutdown
2/8/2021 9:30	2/8/2021 16:00	390	6.5	Treatment System Component Shutdown
3/6/2021 12:04	3/6/2021 20:14	490	8.2	Loss of Gas Flow to the Flare
3/27/2021 18:46	3/28/2021 0:46	360	6.0	Loss of Gas Flow to the Flare
3/28/2021 0:46	3/28/2021 11:46	660	11.0	Treatment System Component Shutdown
3/28/2021 0:46	3/28/2021 11:46	660	11.0	Treatment System Component Shutdown
3/30/2021 16:24	3/31/2021 7:32	908	15.1	Treatment System Component Shutdown
4/6/2021 8:02	4/6/2021 14:30	388	6.5	Treatment System Component Shutdown
4/10/2021 17:30	4/11/2021 12:10	1120	18.7	Treatment Sytem Component Shutdown
4/11/2021 12:16	4/12/2021 1:14	778	13.0	Loss of Gas Flow to the Flare
4/25/2021 10:52	4/26/2021 7:37	1245	20.8	Treatment System Component Shutdown
5/3/2021 5:00	5/3/2021 7:36	156	2.6	Loss of Gas Flow to the Flare
5/25/2021 6:50	5/25/2021 7:58	68	1.1	Loss of Gas Flow to the Flare
6/8/2021 7:05	6/8/2021 18:00	655	10.9	Treatment System Component Shutdown
6/8/2021 7:05	6/8/2021 18:00	655	10.9	Treatment System Component Shutdown
6/21/2021 7:30	6/26/2021 0:00	6750	112.5	Treatment System Component Shutdown
6/26/2021 2:33	6/26/2021 7:59	326	5.4	Loss of Gas Flow to the Flare
6/26/2021 9:35	6/26/2021 11:29	114	1.9	Loss of Gas Flow to the Flare
6/26/2021 0:00	6/26/2021 0:05	5	0.1	Treatment Component Shutdown
6/26/2021 8:16	6/26/2021 8:49	33	0.5	Loss of Gas Flow to the Flare

318.9	Downtime Duration Greater Than 1 Hour (Hours)
7.4	Downtime Duration Less Than 1 Hour (Hours)
304.4	Total Downtime Hours (Hours)

Notes:

- 1) Downtime for the landfill flare was obtained from electronic Yokogawa chart records, flare chart recorder data and logs completed by the on site personnel.
- 2) As shown, individual shutdown events for the GCCS did no exceed five (5) consecutive days for any event.
- 3) At no time was LFG permitted to vent freely from the flare.

Appendix 3

Surface Emissions Monitoring Results

Appendix 3 – 1

First Quarter Surface Emissions Monitoring Results

April 30, 2021
File No. 09215600.12

Mr. Larry E. Ruiz, SC
Manager Landfill Operations
Solid Waste Management Division
15960 County Road 672
Lithia, Florida, 33547

Subject: Surface Emission Monitoring Report, First Quarter 2021
Southeast County Landfill, Hillsborough County, Florida

Dear Mr. Ruiz:

SCS Engineers (SCS) is pleased to submit the results of the first quarter 2021 surface emission monitoring (SEM) event at the Southeast County Landfill (SCLF) as required by the landfill's Title V permit # 0570854-012-AV. Provided below is a description of our activities and summary of the monitoring results.

Monitoring Summary

SCS Engineers (SCS) performed the SEM event on February 1 and 2, 2021. The monitoring event was conducted in accordance with guidelines set forth in the New Source Performance Standards (NSPS), 40 CFR, 60.755 (c) and (d), and 40 CFR 60, Appendix A, Method 21 promulgated by the U. S. Environmental Protection Agency (EPA).

An Irwin – Methane Leak Detector with Archer2 recording attachment was used to perform the emissions monitoring. The pre-calibrated unit met EPA Method 21 compliance requirements for this event. A map of the landfill, showing the route of monitoring, is included in **Attachment 1**. Active operational landfill areas, areas that were fenced off, areas that contained steep slopes, and other areas presenting a safety constraint were not monitored and are delineated on the map as seen in **Attachment 1**. Calibration logs were completed by the field technician performing the work and are included in **Attachment 2**.

There were no areas on the landfill surface that exceeded the regulatory reporting threshold of 500 ppm methane during the first quarter 2021 monitoring event. Therefore, no further monitoring is required until the regularly scheduled second quarter monitoring event in 2021. The first quarter SEM results are presented in **Attachment 3**.

Mr. Larry Ruiz, SC
April 30, 2021
Page 2

SCS appreciates the opportunity to assist you with this work. Please call us at (813) 621-0080 if you have any questions or would like additional information.

Sincerely,



Stephen W. Townsend
Staff Professional
SCS Engineers



Daniel R. Cooper, P.E.
Vice President
SCS Engineers

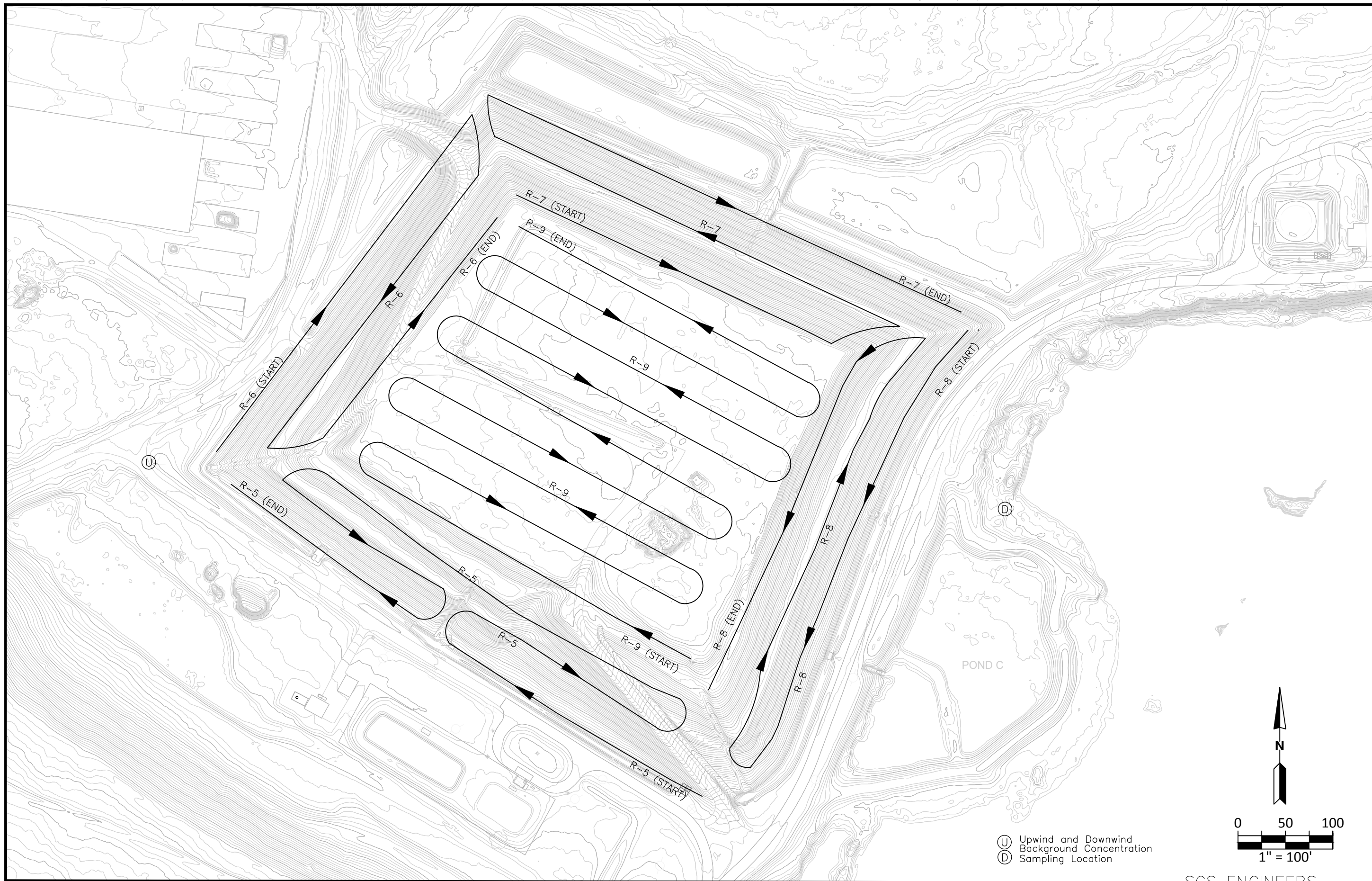
Attachments

cc: Walter Gray, Hillsborough County (electronic)

ATTACHMENT 1
MAP OF SEM ROUTE



ATTACHMENT 1 - FIGURE 1. 1ST QUARTER 2021 SURFACE EMISSIONS MONITORING PHASES I-VI, SOUTHEAST COUNTY LANDFILL HILLSBOROUGH COUNTY, FLORIDA



ATTACHMENT 1 - FIGURE 2. 1ST QUARTER 2021 SURFACE EMISSIONS MONITORING
SECTIONS 7-9 SOUTHEAST COUNTY LANDFILL
HILLSBOROUGH COUNTY, FLORIDA

SCS ENGINEERS

ATTACHMENT 2
FIELD CALIBRATION SHEETS

SCS FIELD SERVICES

NSPS Surface Emissions Monitoring Calibration and Pertinent Data Form

Date: 02/01/21 Site: Southeast County Landfill Sections 7-5 Job Number: 09215600.11
Technician(s): Marx Gedeon

Weather Observations

Wind Speed: 10 MPH Wind Direction: WNW Barometric Pressure: 29.92 "Hg
Air Temperature: 61 °F General Weather Conditions: Cloudy

Calibration Information

Instrument ID: IRWIN: 886B0FA6E6F4 Span Calibration Gas Manufacturer: Pine Environmental
Cal Gas Lot #: FBJ-150A-500-5 Expiration Date: 5/13/2023 Cal Gas Concentration: 500 ppm

Pre-monitoring Calibration Precision Check

*Procedure: Calibrate the instrument. Make a total of three measurements by alternating zero air and the calibration gas. Record the readings and calculate the average algebraic difference between the instrument reading and the calibration gas as a percentage. **The calibration precision must be less than or equal to 10% of the calibration gas value.***

Trial	Zero Air Reading (ppm)	Cal Gas Reading (ppm)	Cal Gas Conc. - Cal Gas Reading
1	0	500	0
2	0	500.2	0
3	0	500.7	1
Average Difference:			0

$$\begin{aligned} \text{Calibration Precision} &= \text{Average Difference} / \text{Cal. Gas Conc.} \quad \times 100\% \\ &= \frac{0}{500} \times 100\% \\ &= \underline{0.06} \% \end{aligned}$$

Pre-monitoring Response Time Check

*Procedure: Introduce zero concentration methane/H2S into the instrument. Quickly change to the calibration gas. Measure the amount of time it takes the instrument to read 90% of the calibration gas concentration. **This average response time must be less than or equal to 10 seconds.***

Trial	Start Time (Add Cal Gas) (hh:mm:ss)	Time at 90% Reading (hh:mm:ss)	Time Elapsed (Seconds)
1	11:30:10 AM	11:30:16 AM	6
2	11:30:32 AM	11:30:36 AM	4
3	11:30:50 AM	11:30:55 AM	5
Average Response Time:			5

Background Concentration Checks

Upwind Location Description: WNW of site (see map) Reading: 0.00 ppm
Downwind Location Description: ESE of site (see map) Reading: 1.20 ppm
Average Background Reading: 0.60 ppm

Post-monitoring Calibration Precision Check

Zero Air Reading: 0 ppm Cal Gas Reading: 489 ppm
Exceedances: No exceedances observed

Cover Inspection Observations Cover looks good

SCS FIELD SERVICES

NSPS Surface Emissions Monitoring Calibration and Pertinent Data Form

Date: 02/02/21 Site: Southeast County Landfill Phases I-VI Job Number: 09215600.12

Technician(s): Marx Gedeon

Weather Observations

Wind Speed: 9 MPH Wind Direction: W Barometric Pressure: 30.00 "Hg

Air Temperature: 55 °F General Weather Conditions: Cloudy

Calibration Information

Instrument ID: IRWIN: 886B0FA6E6F4 Span Calibration Gas Manufacturer: Pine Environmental

Cal Gas Lot #: FBJ-150A-500-5 Expiration Date: 5/13/2023 Cal Gas Concentration: 500 ppm

Pre-monitoring Calibration Precision Check

*Procedure: Calibrate the instrument. Make a total of three measurements by alternating zero air and the calibration gas. Record the readings and calculate the average algebraic difference between the instrument reading and the calibration gas as a percentage. **The calibration precision must be less than or equal to 10% of the calibration gas value.***

Trial	Zero Air Reading (ppm)	Cal Gas Reading (ppm)	Cal Gas Conc. – Cal Gas Reading
1	0	506.7	7
2	0	505.1	5
3	0	506.3	6
Average Difference:			6

$$\begin{aligned} \text{Calibration Precision} &= \text{Average Difference} / \text{Cal. Gas Conc.} \quad \times 100\% \\ &= \frac{6}{500} \times 100\% \\ &= \underline{1.21} \% \end{aligned}$$

Pre-monitoring Response Time Check

*Procedure: Introduce zero concentration methane/H2S into the instrument. Quickly change to the calibration gas. Measure the amount of time it takes the instrument to read 90% of the calibration gas concentration. **This average response time must be less than or equal to 10 seconds.***

Trial	Start Time (Add Cal Gas) (hh:mm:ss)	Time at 90% Reading (hh:mm:ss)	Time Elapsed (Seconds)
1	10:35:23 AM	10:35:27 AM	4
2	10:35:45 AM	10:35:50 AM	5
3	10:36:10 AM	10:36:15 AM	5
Average Response Time:			5

Background Concentration Checks

Upwind Location Description: W of site (see map) Reading: 0.00 ppm

Downwind Location Description: E of site (see map) Reading: 1.20 ppm

Average Background Reading: 0.60 ppm

Post-monitoring Calibration Precision Check

Zero Air Reading: 0 ppm Cal Gas Reading: 488.2 ppm

Exceedances: No exceedances observed.

Cover Inspection Observations Cover looks good

ATTACHMENT 3
1ST QUARTER 2021 SEM RESULTS

**1st Quarter 2021 Surface Emissions Monitoring
Southeast County Landfill, Hillsborough County, Florida
Phases I-VI**

Date	Time	Location #	Background Concentration (ppm)	Comment	Concentration (ppm)	Comment
Start Monitoring						
2/2/2021	11:00:00 AM	1	0.00	OK	0.00	OK
2/2/2021	11:00:00 AM	2	0.00	OK	0.00	OK
2/2/2021	11:00:00 AM	3	0.00	OK	1.70	OK
2/2/2021	11:04:00 AM	4	0.00	OK	0.00	OK
2/2/2021	11:04:00 AM	5	0.00	OK	2.20	OK
2/2/2021	11:05:00 AM	6	0.00	OK	0.00	OK
2/2/2021	11:05:00 AM	7	0.00	OK	0.00	OK
2/2/2021	11:06:00 AM	8	0.00	OK	0.00	OK
2/2/2021	11:06:00 AM	9	0.00	OK	2.30	OK
2/2/2021	11:06:00 AM	10	0.00	OK	0.00	OK
2/2/2021	11:07:00 AM	11	0.00	OK	0.00	OK
2/2/2021	11:07:00 AM	12	0.00	OK	0.00	OK
2/2/2021	11:08:00 AM	13	0.00	OK	0.00	OK
2/2/2021	11:08:00 AM	14	0.00	OK	0.00	OK
2/2/2021	11:08:00 AM	15	0.00	OK	0.00	OK
2/2/2021	11:09:00 AM	16	0.00	OK	2.40	OK
2/2/2021	11:09:00 AM	17	0.00	OK	0.00	OK
2/2/2021	11:10:00 AM	18	0.00	OK	4.80	OK
2/2/2021	11:10:00 AM	19	0.00	OK	0.00	OK
2/2/2021	11:10:00 AM	20	0.00	OK	0.00	OK
2/2/2021	11:11:00 AM	21	0.00	OK	2.10	OK
2/2/2021	11:11:00 AM	22	0.00	OK	0.00	OK
2/2/2021	11:11:00 AM	23	0.00	OK	0.00	OK
2/2/2021	11:12:00 AM	24	0.00	OK	0.00	OK
2/2/2021	11:12:00 AM	25	0.00	OK	0.00	OK
2/2/2021	11:13:00 AM	26	0.00	OK	0.00	OK
2/2/2021	11:13:00 AM	27	0.00	OK	0.00	OK
2/2/2021	11:13:00 AM	28	0.00	OK	0.00	OK
2/2/2021	11:14:00 AM	29	0.00	OK	2.20	OK
2/2/2021	11:14:00 AM	30	0.00	OK	0.00	OK
2/2/2021	11:15:00 AM	31	0.00	OK	0.00	OK
2/2/2021	11:15:00 AM	32	0.00	OK	0.00	OK
2/2/2021	11:16:00 AM	33	0.00	OK	0.00	OK
2/2/2021	11:16:00 AM	34	0.00	OK	0.00	OK
2/2/2021	11:16:00 AM	35	0.00	OK	0.00	OK
2/2/2021	11:17:00 AM	36	0.00	OK	0.00	OK
2/2/2021	11:17:00 AM	37	0.00	OK	0.00	OK
2/2/2021	11:18:00 AM	38	0.00	OK	0.00	OK
2/2/2021	11:18:00 AM	39	0.00	OK	0.00	OK
2/2/2021	11:19:00 AM	40	0.00	OK	0.00	OK
2/2/2021	11:19:00 AM	41	0.00	OK	0.00	OK
2/2/2021	11:20:00 AM	42	0.00	OK	0.00	OK
2/2/2021	11:20:00 AM	43	0.00	OK	0.00	OK
2/2/2021	11:20:00 AM	44	0.00	OK	0.00	OK
2/2/2021	11:21:00 AM	45	0.00	OK	0.00	OK
2/2/2021	11:21:00 AM	46	0.00	OK	0.00	OK
2/2/2021	11:21:00 AM	47	0.00	OK	0.00	OK
2/2/2021	11:22:00 AM	48	0.00	OK	0.00	OK
2/2/2021	11:22:00 AM	49	0.00	OK	0.00	OK
2/2/2021	11:23:00 AM	50	0.00	OK	0.00	OK
2/2/2021	11:23:00 AM	51	0.00	OK	0.00	OK
2/2/2021	11:23:00 AM	52	0.00	OK	0.00	OK
2/2/2021	11:24:00 AM	53	0.00	OK	2.30	OK
2/2/2021	11:25:00 AM	54	0.00	OK	0.00	OK
2/2/2021	11:26:00 AM	55	0.00	OK	0.00	OK
2/2/2021	11:26:00 AM	56	0.00	OK	0.00	OK
2/2/2021	11:27:00 AM	57	0.00	OK	0.00	OK

**1st Quarter 2021 Surface Emissions Monitoring
Southeast County Landfill, Hillsborough County, Florida
Phases I-VI**

Date	Time	Location #	Background Concentration (ppm)	Comment	Concentration (ppm)	Comment
2/2/2021	11:27:00 AM	58	0.00	OK	0.00	OK
2/2/2021	11:28:00 AM	59	0.00	OK	0.00	OK
2/2/2021	11:28:00 AM	60	0.00	OK	0.00	OK
2/2/2021	11:28:00 AM	61	0.00	OK	5.00	OK
2/2/2021	11:29:00 AM	62	0.00	OK	0.00	OK
2/2/2021	11:29:00 AM	63	0.00	OK	0.00	OK
2/2/2021	11:29:00 AM	64	0.00	OK	0.00	OK
2/2/2021	11:30:00 AM	65	0.00	OK	2.30	OK
2/2/2021	11:31:00 AM	66	0.00	OK	3.00	OK
2/2/2021	11:31:00 AM	67	0.00	OK	11.40	OK
2/2/2021	11:31:00 AM	68	0.00	OK	0.00	OK
2/2/2021	11:31:00 AM	69	0.00	OK	0.00	OK
2/2/2021	11:31:00 AM	70	0.00	OK	0.00	OK
2/2/2021	11:32:00 AM	71	0.00	OK	2.50	OK
2/2/2021	11:32:00 AM	72	0.00	OK	0.00	OK
2/2/2021	11:33:00 AM	73	0.00	OK	0.00	OK
2/2/2021	11:33:00 AM	74	0.00	OK	0.00	OK
2/2/2021	11:34:00 AM	75	0.00	OK	0.00	OK
2/2/2021	11:34:00 AM	76	0.00	OK	0.00	OK
2/2/2021	11:35:00 AM	77	0.00	OK	0.00	OK
2/2/2021	11:36:00 AM	78	0.00	OK	0.00	OK
2/2/2021	11:36:00 AM	79	0.00	OK	3.00	OK
2/2/2021	11:37:00 AM	80	0.00	OK	0.00	OK
2/2/2021	11:37:00 AM	81	0.00	OK	0.00	OK
2/2/2021	11:37:00 AM	82	0.00	OK	0.00	OK
2/2/2021	11:38:00 AM	83	0.00	OK	3.30	OK
2/2/2021	11:38:00 AM	84	0.00	OK	0.00	OK
2/2/2021	11:39:00 AM	85	0.00	OK	0.00	OK
2/2/2021	11:39:00 AM	86	0.00	OK	0.00	OK
2/2/2021	11:40:00 AM	87	0.00	OK	0.00	OK
2/2/2021	11:40:00 AM	88	0.00	OK	0.00	OK
2/2/2021	11:41:00 AM	89	0.00	OK	0.00	OK
2/2/2021	11:41:00 AM	90	0.00	OK	0.00	OK
2/2/2021	11:41:00 AM	91	0.00	OK	0.00	OK
2/2/2021	11:41:00 AM	92	0.00	OK	0.00	OK
2/2/2021	11:42:00 AM	93	0.00	OK	0.00	OK
2/2/2021	11:42:00 AM	94	0.00	OK	3.00	OK
2/2/2021	11:42:00 AM	95	0.00	OK	4.20	OK
2/2/2021	11:42:00 AM	96	0.00	OK	0.00	OK
2/2/2021	11:43:00 AM	97	0.00	OK	0.00	OK
2/2/2021	11:43:00 AM	98	0.00	OK	0.00	OK
2/2/2021	11:43:00 AM	99	0.00	OK	0.00	OK
2/2/2021	11:43:00 AM	100	0.00	OK	0.00	OK
2/2/2021	11:44:00 AM	101	0.00	OK	2.40	OK
2/2/2021	11:44:00 AM	102	0.00	OK	4.40	OK
2/2/2021	11:44:00 AM	103	0.00	OK	0.00	OK
2/2/2021	11:45:00 AM	104	0.00	OK	0.00	OK
2/2/2021	11:45:00 AM	105	0.00	OK	0.00	OK
2/2/2021	11:45:00 AM	106	0.00	OK	0.00	OK
2/2/2021	11:46:00 AM	107	0.00	OK	0.00	OK
2/2/2021	11:46:00 AM	108	0.00	OK	0.00	OK
2/2/2021	11:46:00 AM	109	0.00	OK	0.00	OK
2/2/2021	11:48:00 AM	110	0.00	OK	0.00	OK
2/2/2021	11:48:00 AM	111	0.00	OK	0.00	OK
2/2/2021	11:49:00 AM	112	0.00	OK	0.00	OK
2/2/2021	11:49:00 AM	113	0.00	OK	0.00	OK
2/2/2021	11:49:00 AM	114	0.00	OK	0.00	OK
2/2/2021	11:50:00 AM	115	0.00	OK	0.00	OK

**1st Quarter 2021 Surface Emissions Monitoring
Southeast County Landfill, Hillsborough County, Florida
Phases I-VI**

Date	Time	Location #	Background Concentration (ppm)	Comment	Concentration (ppm)	Comment
2/2/2021	11:50:00 AM	116	0.00	OK	0.00	OK
2/2/2021	11:51:00 AM	117	0.00	OK	0.00	OK
2/2/2021	11:51:00 AM	118	0.00	OK	0.00	OK
2/2/2021	11:51:00 AM	119	0.00	OK	0.00	OK
2/2/2021	11:52:00 AM	120	0.00	OK	0.00	OK
2/2/2021	11:52:00 AM	121	0.00	OK	0.00	OK
2/2/2021	11:52:00 AM	122	0.00	OK	0.00	OK
2/2/2021	11:53:00 AM	123	0.00	OK	0.00	OK
2/2/2021	11:53:00 AM	124	0.00	OK	0.00	OK
2/2/2021	11:54:00 AM	125	0.00	OK	0.00	OK
2/2/2021	11:54:00 AM	126	0.00	OK	3.30	OK
2/2/2021	11:54:00 AM	127	0.00	OK	0.00	OK
2/2/2021	11:55:00 AM	128	0.00	OK	4.00	OK
2/2/2021	11:55:00 AM	129	0.00	OK	2.10	OK
2/2/2021	11:55:00 AM	130	0.00	OK	0.00	OK
2/2/2021	11:56:00 AM	131	0.00	OK	0.00	OK
2/2/2021	11:56:00 AM	132	0.00	OK	0.00	OK
2/2/2021	11:57:00 AM	133	0.00	OK	0.00	OK
2/2/2021	11:57:00 AM	134	0.00	OK	0.00	OK
2/2/2021	11:58:00 AM	135	0.00	OK	0.00	OK
2/2/2021	11:58:00 AM	136	0.00	OK	0.00	OK
2/2/2021	11:58:00 AM	137	0.00	OK	0.00	OK
2/2/2021	11:58:00 AM	138	0.00	OK	0.00	OK
2/2/2021	11:59:00 AM	139	0.00	OK	2.40	OK
2/2/2021	11:59:00 AM	140	0.00	OK	0.00	OK
2/2/2021	12:00:00 PM	141	0.00	OK	0.00	OK
2/2/2021	12:00:00 PM	142	0.00	OK	0.00	OK
2/2/2021	12:01:00 PM	143	0.00	OK	2.00	OK
2/2/2021	12:02:00 PM	144	0.00	OK	0.00	OK
2/2/2021	12:02:00 PM	145	0.00	OK	2.30	OK
2/2/2021	12:03:00 PM	146	0.00	OK	0.00	OK
2/2/2021	12:03:00 PM	147	0.00	OK	0.00	OK
2/2/2021	12:03:00 PM	148	0.00	OK	0.00	OK
2/2/2021	12:04:00 PM	149	0.00	OK	0.00	OK
2/2/2021	12:04:00 PM	150	0.00	OK	0.00	OK
2/2/2021	12:05:00 PM	151	0.00	OK	45.20	OK
2/2/2021	12:05:00 PM	152	0.00	OK	5.90	OK
2/2/2021	12:06:00 PM	153	0.00	OK	7.00	OK
2/2/2021	12:06:00 PM	154	0.00	OK	10.50	OK
2/2/2021	12:06:00 PM	155	0.00	OK	0.00	OK
2/2/2021	12:07:00 PM	156	0.00	OK	0.00	OK
2/2/2021	12:08:00 PM	157	0.00	OK	0.00	OK
2/2/2021	12:08:00 PM	158	0.00	OK	0.00	OK
2/2/2021	12:09:00 PM	159	0.00	OK	12.50	OK
2/2/2021	12:09:00 PM	160	0.00	OK	1.40	OK
2/2/2021	12:09:00 PM	161	0.00	OK	0.00	OK
2/2/2021	12:11:00 PM	162	0.00	OK	0.00	OK
2/2/2021	12:11:00 PM	163	0.00	OK	13.20	OK
2/2/2021	12:12:00 PM	164	0.00	OK	2.10	OK
2/2/2021	12:12:00 PM	165	0.00	OK	3.00	OK
2/2/2021	12:13:00 PM	166	0.00	OK	0.00	OK
2/2/2021	12:13:00 PM	167	0.00	OK	0.00	OK
2/2/2021	12:14:00 PM	168	0.00	OK	5.20	OK
2/2/2021	12:14:00 PM	169	0.00	OK	0.00	OK
2/2/2021	12:14:00 PM	170	0.00	OK	0.00	OK
2/2/2021	12:15:00 PM	171	0.00	OK	2.00	OK
2/2/2021	12:15:00 PM	172	0.00	OK	0.00	OK
2/2/2021	12:15:00 PM	173	0.00	OK	0.00	OK

**1st Quarter 2021 Surface Emissions Monitoring
Southeast County Landfill, Hillsborough County, Florida
Phases I-VI**

Date	Time	Location #	Background Concentration (ppm)	Comment	Concentration (ppm)	Comment
2/2/2021	12:16:00 PM	174	0.00	OK	0.00	OK
2/2/2021	12:16:00 PM	175	0.00	OK	1.80	OK
2/2/2021	12:17:00 PM	176	0.00	OK	12.20	OK
2/2/2021	12:17:00 PM	177	0.00	OK	0.00	OK
2/2/2021	12:18:00 PM	178	0.00	OK	0.00	OK
2/2/2021	12:18:00 PM	179	0.00	OK	0.00	OK
2/2/2021	12:19:00 PM	180	0.00	OK	0.00	OK
2/2/2021	12:21:00 PM	181	0.00	OK	0.00	OK
2/2/2021	12:22:00 PM	182	0.00	OK	0.00	OK
2/2/2021	12:23:00 PM	183	0.00	OK	0.00	OK
2/2/2021	12:23:00 PM	184	0.00	OK	0.00	OK
2/2/2021	12:23:00 PM	185	0.00	OK	0.00	OK
2/2/2021	12:24:00 PM	186	0.00	OK	0.00	OK
2/2/2021	12:24:00 PM	187	0.00	OK	0.00	OK
2/2/2021	12:24:00 PM	188	0.00	OK	0.00	OK
2/2/2021	12:24:00 PM	189	0.00	OK	0.00	OK
2/2/2021	12:25:00 PM	190	0.00	OK	0.00	OK
2/2/2021	12:25:00 PM	191	0.00	OK	7.20	OK
2/2/2021	12:25:00 PM	192	0.00	OK	0.00	OK
2/2/2021	12:35:00 PM	193	0.00	OK	0.00	OK
2/2/2021	12:36:00 PM	194	0.00	OK	9.20	OK
2/2/2021	12:36:00 PM	195	0.00	OK	2.10	OK
2/2/2021	12:36:00 PM	196	0.00	OK	7.40	OK
2/2/2021	12:36:00 PM	197	0.00	OK	7.30	OK
2/2/2021	12:37:00 PM	198	0.00	OK	11.40	OK
2/2/2021	12:37:00 PM	199	0.00	OK	0.00	OK
2/2/2021	12:37:00 PM	200	0.00	OK	10.40	OK
2/2/2021	12:38:00 PM	201	0.00	OK	0.00	OK
2/2/2021	12:38:00 PM	202	0.00	OK	0.00	OK
2/2/2021	12:38:00 PM	203	0.00	OK	0.00	OK
2/2/2021	12:39:00 PM	204	0.00	OK	11.60	OK
2/2/2021	12:39:00 PM	205	0.00	OK	12.70	OK
2/2/2021	12:40:00 PM	206	0.00	OK	0.00	OK
2/2/2021	12:40:00 PM	207	0.00	OK	16.00	OK
2/2/2021	12:40:00 PM	208	0.00	OK	0.00	OK
2/2/2021	12:41:00 PM	209	0.00	OK	2.40	OK
2/2/2021	12:41:00 PM	210	0.00	OK	2.70	OK
2/2/2021	12:41:00 PM	211	0.00	OK	0.00	OK
2/2/2021	12:41:00 PM	212	0.00	OK	0.00	OK
2/2/2021	12:42:00 PM	213	0.00	OK	24.50	OK
2/2/2021	12:42:00 PM	214	0.00	OK	14.30	OK
2/2/2021	12:42:00 PM	215	0.00	OK	3.70	OK
2/2/2021	12:43:00 PM	216	0.00	OK	0.00	OK
2/2/2021	12:43:00 PM	217	0.00	OK	0.00	OK
2/2/2021	12:43:00 PM	218	0.00	OK	0.00	OK
2/2/2021	12:44:00 PM	219	0.00	OK	0.00	OK
2/2/2021	12:46:00 PM	220	0.00	OK	0.00	OK
2/2/2021	12:46:00 PM	221	0.00	OK	0.00	OK
2/2/2021	12:46:00 PM	222	0.00	OK	1.90	OK
2/2/2021	12:46:00 PM	223	0.00	OK	2.50	OK
2/2/2021	12:47:00 PM	224	0.00	OK	12.10	OK
2/2/2021	12:47:00 PM	225	0.00	OK	0.00	OK
2/2/2021	12:48:00 PM	226	0.00	OK	19.80	OK
2/2/2021	12:48:00 PM	227	0.00	OK	2.70	OK
2/2/2021	12:49:00 PM	228	0.00	OK	0.00	OK
2/2/2021	12:49:00 PM	229	0.00	OK	2.20	OK
2/2/2021	12:49:00 PM	230	0.00	OK	0.00	OK
2/2/2021	12:51:00 PM	231	0.00	OK	0.00	OK

**1st Quarter 2021 Surface Emissions Monitoring
Southeast County Landfill, Hillsborough County, Florida
Phases I-VI**

Date	Time	Location #	Background Concentration (ppm)	Comment	Concentration (ppm)	Comment
2/2/2021	12:51:00 PM	232	0.00	OK	2.90	OK
2/2/2021	12:51:00 PM	233	0.00	OK	2.00	OK
2/2/2021	12:51:00 PM	234	0.00	OK	0.00	OK
2/2/2021	12:51:00 PM	235	0.00	OK	1.70	OK
2/2/2021	12:52:00 PM	236	0.00	OK	0.00	OK
2/2/2021	12:52:00 PM	237	0.00	OK	0.00	OK
2/2/2021	12:52:00 PM	238	0.00	OK	10.60	OK
2/2/2021	12:53:00 PM	239	0.00	OK	15.90	OK
2/2/2021	12:53:00 PM	240	0.00	OK	6.00	OK
2/2/2021	12:53:00 PM	241	0.00	OK	16.20	OK
2/2/2021	12:53:00 PM	242	0.00	OK	0.00	OK
2/2/2021	12:53:00 PM	243	0.00	OK	0.00	OK
2/2/2021	12:54:00 PM	244	0.00	OK	0.00	OK
2/2/2021	12:54:00 PM	245	0.00	OK	0.00	OK
2/2/2021	12:54:00 PM	246	0.00	OK	0.00	OK
2/2/2021	12:54:00 PM	247	0.00	OK	0.00	OK
2/2/2021	12:54:00 PM	248	0.00	OK	0.00	OK
2/2/2021	12:55:00 PM	249	0.00	OK	0.00	OK
2/2/2021	12:55:00 PM	250	0.00	OK	0.00	OK
2/2/2021	12:55:00 PM	251	0.00	OK	5.10	OK
2/2/2021	12:55:00 PM	252	0.00	OK	0.00	OK
2/2/2021	12:55:00 PM	253	0.00	OK	0.00	OK
2/2/2021	12:56:00 PM	254	0.00	OK	0.00	OK
2/2/2021	12:56:00 PM	255	0.00	OK	0.00	OK
2/2/2021	12:56:00 PM	256	0.00	OK	0.00	OK
2/2/2021	12:57:00 PM	257	0.00	OK	3.80	OK
2/2/2021	12:57:00 PM	258	0.00	OK	1.70	OK
2/2/2021	12:57:00 PM	259	0.00	OK	0.00	OK
2/2/2021	12:57:00 PM	260	0.00	OK	0.00	OK
2/2/2021	12:58:00 PM	261	0.00	OK	0.00	OK
2/2/2021	12:58:00 PM	262	0.00	OK	0.00	OK
2/2/2021	12:58:00 PM	263	0.00	OK	0.00	OK
2/2/2021	12:58:00 PM	264	0.00	OK	0.00	OK
2/2/2021	12:59:00 PM	265	0.00	OK	0.00	OK
2/2/2021	12:59:00 PM	266	0.00	OK	0.00	OK
2/2/2021	12:59:00 PM	267	0.00	OK	0.00	OK
2/2/2021	12:59:00 PM	268	0.00	OK	0.00	OK
2/2/2021	1:00:00 PM	269	0.00	OK	0.00	OK
2/2/2021	1:00:00 PM	270	0.00	OK	0.00	OK
2/2/2021	1:00:00 PM	271	0.00	OK	0.00	OK
2/2/2021	1:01:00 PM	272	0.00	OK	0.00	OK
2/2/2021	1:01:00 PM	273	0.00	OK	0.00	OK
2/2/2021	1:02:00 PM	274	0.00	OK	0.00	OK
2/2/2021	1:02:00 PM	275	0.00	OK	0.00	OK
2/2/2021	1:02:00 PM	276	0.00	OK	0.00	OK
2/2/2021	1:02:00 PM	277	0.00	OK	0.00	OK
2/2/2021	1:03:00 PM	278	0.00	OK	0.00	OK
2/2/2021	1:03:00 PM	279	0.00	OK	0.00	OK
2/2/2021	1:04:00 PM	280	0.00	OK	4.60	OK
2/2/2021	1:04:00 PM	281	0.00	OK	0.00	OK
2/2/2021	1:04:00 PM	282	0.00	OK	0.00	OK
2/2/2021	1:04:00 PM	283	0.00	OK	0.00	OK
2/2/2021	1:04:00 PM	284	0.00	OK	4.80	OK
2/2/2021	1:05:00 PM	285	0.00	OK	0.00	OK
2/2/2021	1:06:00 PM	286	0.00	OK	0.00	OK
2/2/2021	1:06:00 PM	287	0.00	OK	0.00	OK
2/2/2021	1:06:00 PM	288	0.00	OK	0.00	OK
2/2/2021	1:07:00 PM	289	0.00	OK	0.00	OK

**1st Quarter 2021 Surface Emissions Monitoring
Southeast County Landfill, Hillsborough County, Florida
Phases I-VI**

Date	Time	Location #	Background Concentration (ppm)	Comment	Concentration (ppm)	Comment
2/2/2021	1:07:00 PM	290	0.00	OK	0.00	OK
2/2/2021	1:07:00 PM	291	0.00	OK	5.60	OK
2/2/2021	1:07:00 PM	292	0.00	OK	0.00	OK
2/2/2021	1:07:00 PM	293	0.00	OK	0.00	OK
2/2/2021	1:08:00 PM	294	0.00	OK	0.00	OK
2/2/2021	1:08:00 PM	295	0.00	OK	0.00	OK
2/2/2021	1:08:00 PM	296	0.00	OK	0.00	OK
2/2/2021	1:08:00 PM	297	0.00	OK	0.00	OK
2/2/2021	1:09:00 PM	298	0.00	OK	0.00	OK
2/2/2021	1:09:00 PM	299	0.00	OK	1.50	OK
2/2/2021	1:09:00 PM	300	0.00	OK	0.00	OK
2/2/2021	1:09:00 PM	301	0.00	OK	3.30	OK
2/2/2021	1:10:00 PM	302	0.00	OK	1.60	OK
2/2/2021	1:11:00 PM	303	0.00	OK	0.00	OK
2/2/2021	1:12:00 PM	304	0.00	OK	0.00	OK
2/2/2021	1:12:00 PM	305	0.00	OK	0.00	OK
2/2/2021	1:12:00 PM	306	0.00	OK	0.00	OK
2/2/2021	1:12:00 PM	307	0.00	OK	0.00	OK
2/2/2021	1:13:00 PM	308	0.00	OK	0.00	OK
2/2/2021	1:13:00 PM	309	0.00	OK	3.80	OK
2/2/2021	1:13:00 PM	310	0.00	OK	0.00	OK
2/2/2021	1:13:00 PM	311	0.00	OK	0.00	OK
2/2/2021	1:14:00 PM	312	0.00	OK	0.00	OK
2/2/2021	1:14:00 PM	313	0.00	OK	0.00	OK
2/2/2021	1:14:00 PM	314	0.00	OK	3.70	OK
2/2/2021	1:15:00 PM	315	0.00	OK	0.00	OK
2/2/2021	1:15:00 PM	316	0.00	OK	0.00	OK
2/2/2021	1:16:00 PM	317	0.00	OK	0.00	OK
2/2/2021	1:16:00 PM	318	0.00	OK	0.00	OK
2/2/2021	1:16:00 PM	319	0.00	OK	0.00	OK
2/2/2021	1:17:00 PM	320	0.00	OK	0.00	OK
2/2/2021	1:17:00 PM	321	0.00	OK	0.00	OK
2/2/2021	1:17:00 PM	322	0.00	OK	0.00	OK
2/2/2021	1:18:00 PM	323	0.00	OK	0.00	OK
2/2/2021	1:18:00 PM	324	0.00	OK	0.00	OK
2/2/2021	1:18:00 PM	325	0.00	OK	0.00	OK
2/2/2021	1:19:00 PM	326	0.00	OK	0.00	OK
2/2/2021	1:19:00 PM	327	0.00	OK	0.00	OK
2/2/2021	1:19:00 PM	328	0.00	OK	0.00	OK
2/2/2021	1:20:00 PM	329	0.00	OK	0.00	OK
2/2/2021	1:20:00 PM	330	0.00	OK	0.00	OK
2/2/2021	1:20:00 PM	331	0.00	OK	0.00	OK
2/2/2021	1:20:00 PM	332	0.00	OK	0.00	OK
2/2/2021	1:21:00 PM	333	0.00	OK	0.00	OK
2/2/2021	1:21:00 PM	334	0.00	OK	0.00	OK
2/2/2021	1:21:00 PM	335	0.00	OK	0.00	OK
2/2/2021	1:22:00 PM	336	0.00	OK	2.40	OK
2/2/2021	1:22:00 PM	337	0.00	OK	0.00	OK
2/2/2021	1:22:00 PM	338	0.00	OK	0.00	OK
2/2/2021	1:22:00 PM	339	0.00	OK	0.00	OK
2/2/2021	1:23:00 PM	340	0.00	OK	0.00	OK
2/2/2021	1:23:00 PM	341	0.00	OK	0.00	OK
2/2/2021	1:23:00 PM	342	0.00	OK	0.00	OK
2/2/2021	1:23:00 PM	343	0.00	OK	0.00	OK
2/2/2021	1:23:00 PM	344	0.00	OK	0.00	OK
2/2/2021	1:23:00 PM	345	0.00	OK	0.00	OK
2/2/2021	1:24:00 PM	346	0.00	OK	0.00	OK
2/2/2021	1:24:00 PM	347	0.00	OK	0.00	OK

**1st Quarter 2021 Surface Emissions Monitoring
Southeast County Landfill, Hillsborough County, Florida
Phases I-VI**

Date	Time	Location #	Background Concentration (ppm)	Comment	Concentration (ppm)	Comment
2/2/2021	1:25:00 PM	348	0.00	OK	0.00	OK
2/2/2021	1:25:00 PM	349	0.00	OK	9.20	OK
2/2/2021	1:25:00 PM	350	0.00	OK	0.00	OK
2/2/2021	1:26:00 PM	351	0.00	OK	0.00	OK
2/2/2021	1:26:00 PM	352	0.00	OK	0.00	OK
2/2/2021	1:27:00 PM	353	0.00	OK	2.40	OK
2/2/2021	3:16:00 PM	354	0.00	OK	0.00	OK
2/2/2021	3:16:00 PM	355	0.00	OK	0.00	OK
2/2/2021	3:17:00 PM	356	0.00	OK	3.60	OK
2/2/2021	3:17:00 PM	357	0.00	OK	5.20	OK
2/2/2021	3:17:00 PM	358	0.00	OK	0.00	OK
2/2/2021	3:18:00 PM	359	0.00	OK	0.00	OK
2/2/2021	3:18:00 PM	360	0.00	OK	0.00	OK
2/2/2021	3:18:00 PM	361	0.00	OK	0.00	OK
2/2/2021	3:18:00 PM	362	0.00	OK	0.00	OK
2/2/2021	3:19:00 PM	363	0.00	OK	0.00	OK
2/2/2021	3:19:00 PM	364	0.00	OK	0.00	OK
2/2/2021	3:19:00 PM	365	0.00	OK	0.00	OK
2/2/2021	3:19:00 PM	366	0.00	OK	0.00	OK
2/2/2021	3:20:00 PM	367	0.00	OK	2.00	OK
2/2/2021	3:20:00 PM	368	0.00	OK	0.00	OK
2/2/2021	3:20:00 PM	369	0.00	OK	0.00	OK
2/2/2021	3:20:00 PM	370	0.00	OK	0.00	OK
2/2/2021	3:21:00 PM	371	0.00	OK	0.00	OK
2/2/2021	3:21:00 PM	372	0.00	OK	0.00	OK
2/2/2021	3:21:00 PM	373	0.00	OK	0.00	OK
2/2/2021	3:22:00 PM	374	0.00	OK	0.00	OK
2/2/2021	3:22:00 PM	375	0.00	OK	0.00	OK
2/2/2021	3:22:00 PM	376	0.00	OK	0.00	OK
2/2/2021	3:23:00 PM	377	0.00	OK	0.00	OK
2/2/2021	3:23:00 PM	378	0.00	OK	0.00	OK
2/2/2021	3:23:00 PM	379	0.00	OK	0.00	OK
2/2/2021	3:23:00 PM	380	0.00	OK	0.00	OK
2/2/2021	3:23:00 PM	381	0.00	OK	0.00	OK
2/2/2021	3:24:00 PM	382	0.00	OK	0.00	OK
2/2/2021	3:24:00 PM	383	0.00	OK	0.00	OK
2/2/2021	3:24:00 PM	384	0.00	OK	0.00	OK
2/2/2021	3:24:00 PM	385	0.00	OK	0.00	OK
2/2/2021	3:25:00 PM	386	0.00	OK	0.00	OK
2/2/2021	3:25:00 PM	387	0.00	OK	1.50	OK
2/2/2021	3:25:00 PM	388	0.00	OK	0.00	OK
2/2/2021	3:26:00 PM	389	0.00	OK	0.00	OK
2/2/2021	3:26:00 PM	390	0.00	OK	0.00	OK
2/2/2021	3:26:00 PM	391	0.00	OK	4.80	OK
2/2/2021	3:27:00 PM	392	0.00	OK	0.00	OK
2/2/2021	3:27:00 PM	393	0.00	OK	0.00	OK
2/2/2021	3:27:00 PM	394	0.00	OK	0.00	OK
2/2/2021	3:28:00 PM	395	0.00	OK	0.00	OK
2/2/2021	3:28:00 PM	396	0.00	OK	2.30	OK
2/2/2021	3:29:00 PM	397	0.00	OK	5.20	OK
2/2/2021	3:29:00 PM	398	0.00	OK	0.00	OK
2/2/2021	3:29:00 PM	399	0.00	OK	0.00	OK
2/2/2021	3:30:00 PM	400	0.00	OK	0.00	OK
2/2/2021	3:30:00 PM	401	0.00	OK	0.00	OK
2/2/2021	3:30:00 PM	402	0.00	OK	0.00	OK
2/2/2021	3:31:00 PM	403	0.00	OK	0.00	OK
2/2/2021	3:31:00 PM	404	0.00	OK	0.00	OK
2/2/2021	3:31:00 PM	405	0.00	OK	0.00	OK

**1st Quarter 2021 Surface Emissions Monitoring
Southeast County Landfill, Hillsborough County, Florida
Phases I-VI**

Date	Time	Location #	Background Concentration (ppm)	Comment	Concentration (ppm)	Comment
2/2/2021	3:32:00 PM	406	0.00	OK	0.00	OK
2/2/2021	3:32:00 PM	407	0.00	OK	0.00	OK
2/2/2021	3:32:00 PM	408	0.00	OK	3.00	OK
2/2/2021	3:34:00 PM	409	0.00	OK	1.50	OK
2/2/2021	3:34:00 PM	410	0.00	OK	0.00	OK
2/2/2021	3:34:00 PM	411	0.00	OK	0.00	OK
2/2/2021	3:35:00 PM	412	0.00	OK	0.00	OK
2/2/2021	3:35:00 PM	413	0.00	OK	0.00	OK
2/2/2021	3:35:00 PM	414	0.00	OK	2.20	OK
2/2/2021	3:36:00 PM	415	0.00	OK	6.00	OK
2/2/2021	3:36:00 PM	416	0.00	OK	0.00	OK
2/2/2021	3:36:00 PM	417	0.00	OK	0.00	OK
2/2/2021	3:37:00 PM	418	0.00	OK	0.00	OK
2/2/2021	3:37:00 PM	419	0.00	OK	0.00	OK
2/2/2021	3:37:00 PM	420	0.00	OK	0.00	OK
2/2/2021	3:38:00 PM	421	0.00	OK	0.00	OK
2/2/2021	3:38:00 PM	422	0.00	OK	0.00	OK
2/2/2021	3:38:00 PM	423	0.00	OK	0.00	OK
2/2/2021	3:38:00 PM	424	0.00	OK	0.00	OK
2/2/2021	3:39:00 PM	425	0.00	OK	0.00	OK
2/2/2021	3:39:00 PM	426	0.00	OK	0.00	OK
2/2/2021	3:39:00 PM	427	0.00	OK	3.70	OK
2/2/2021	3:40:00 PM	428	0.00	OK	0.00	OK
2/2/2021	3:40:00 PM	429	0.00	OK	0.00	OK
2/2/2021	3:40:00 PM	430	0.00	OK	0.00	OK
2/2/2021	3:41:00 PM	431	0.00	OK	20.30	OK
2/2/2021	3:41:00 PM	432	0.00	OK	3.40	OK
2/2/2021	3:41:00 PM	433	0.00	OK	3.60	OK
2/2/2021	3:41:00 PM	434	0.00	OK	3.30	OK
2/2/2021	3:42:00 PM	435	0.00	OK	0.00	OK
2/2/2021	3:43:00 PM	436	0.00	OK	5.10	OK
2/2/2021	3:43:00 PM	437	0.00	OK	0.00	OK
2/2/2021	3:43:00 PM	438	0.00	OK	0.00	OK
2/2/2021	3:44:00 PM	439	0.00	OK	0.00	OK
2/2/2021	3:44:00 PM	440	0.00	OK	0.00	OK
2/2/2021	3:44:00 PM	441	0.00	OK	0.00	OK
2/2/2021	3:45:00 PM	442	0.00	OK	0.00	OK
2/2/2021	3:45:00 PM	443	0.00	OK	0.00	OK
2/2/2021	3:45:00 PM	444	0.00	OK	0.00	OK
2/2/2021	3:46:00 PM	445	0.00	OK	0.00	OK
2/2/2021	3:46:00 PM	446	0.00	OK	0.00	OK
2/2/2021	3:46:00 PM	447	0.00	OK	4.60	OK
2/2/2021	3:46:00 PM	448	0.00	OK	0.00	OK
2/2/2021	3:47:00 PM	449	0.00	OK	8.40	OK
2/2/2021	3:47:00 PM	450	0.00	OK	3.90	OK
2/2/2021	3:47:00 PM	451	0.00	OK	0.00	OK
2/2/2021	3:48:00 PM	452	0.00	OK	0.00	OK
2/2/2021	3:48:00 PM	453	0.00	OK	0.00	OK
2/2/2021	3:49:00 PM	454	0.00	OK	0.00	OK
2/2/2021	3:49:00 PM	455	0.00	OK	0.00	OK
2/2/2021	3:49:00 PM	456	0.00	OK	7.70	OK
2/2/2021	3:49:00 PM	457	0.00	OK	0.00	OK
2/2/2021	3:50:00 PM	458	0.00	OK	3.20	OK
2/2/2021	3:50:00 PM	459	0.00	OK	0.00	OK
2/2/2021	3:50:00 PM	460	0.00	OK	4.00	OK
2/2/2021	3:51:00 PM	461	0.00	OK	0.00	OK
2/2/2021	3:51:00 PM	462	0.00	OK	7.70	OK
2/2/2021	3:51:00 PM	463	0.00	OK	0.00	OK

**1st Quarter 2021 Surface Emissions Monitoring
Southeast County Landfill, Hillsborough County, Florida
Phases I-VI**

Date	Time	Location #	Background Concentration (ppm)	Comment	Concentration (ppm)	Comment
2/2/2021	3:52:00 PM	464	0.00	OK	0.00	OK
2/2/2021	3:52:00 PM	465	0.00	OK	4.40	OK
2/2/2021	3:53:00 PM	466	0.00	OK	0.00	OK
2/2/2021	3:53:00 PM	467	0.00	OK	0.00	OK
2/2/2021	3:53:00 PM	468	0.00	OK	0.00	OK
2/2/2021	3:54:00 PM	469	0.00	OK	0.00	OK
2/2/2021	3:54:00 PM	470	0.00	OK	0.00	OK
2/2/2021	3:54:00 PM	471	0.00	OK	0.00	OK
2/2/2021	3:55:00 PM	472	0.00	OK	0.00	OK
2/2/2021	3:55:00 PM	473	0.00	OK	0.00	OK
2/2/2021	3:56:00 PM	474	0.00	OK	0.00	OK
2/2/2021	3:56:00 PM	475	0.00	OK	0.00	OK
2/2/2021	3:57:00 PM	476	0.00	OK	0.00	OK
2/2/2021	3:57:00 PM	477	0.00	OK	0.00	OK
2/2/2021	3:57:00 PM	478	0.00	OK	0.00	OK
2/2/2021	3:57:00 PM	479	0.00	OK	0.00	OK
2/2/2021	3:58:00 PM	480	0.00	OK	0.00	OK
2/2/2021	3:58:00 PM	481	0.00	OK	0.00	OK
2/2/2021	3:58:00 PM	482	0.00	OK	0.00	OK
2/2/2021	3:59:00 PM	483	0.00	OK	0.00	OK
2/2/2021	3:59:00 PM	484	0.00	OK	0.00	OK
2/2/2021	4:00:00 PM	485	0.00	OK	0.00	OK
2/2/2021	4:00:00 PM	486	0.00	OK	0.00	OK
2/2/2021	4:01:00 PM	487	0.00	OK	0.00	OK
2/2/2021	4:01:00 PM	488	0.00	OK	0.00	OK
2/2/2021	4:01:00 PM	489	0.00	OK	0.00	OK
2/2/2021	4:02:00 PM	490	0.00	OK	0.00	OK
2/2/2021	4:02:00 PM	491	0.00	OK	0.00	OK
2/2/2021	4:02:00 PM	492	0.00	OK	0.00	OK
2/2/2021	4:02:00 PM	493	0.00	OK	0.00	OK
2/2/2021	4:03:00 PM	494	0.00	OK	0.00	OK
2/2/2021	4:03:00 PM	495	0.00	OK	0.00	OK
2/2/2021	4:04:00 PM	496	0.00	OK	0.00	OK
2/2/2021	4:05:00 PM	497	0.00	OK	0.00	OK
2/2/2021	4:05:00 PM	498	0.00	OK	0.00	OK
2/2/2021	4:06:00 PM	499	0.00	OK	0.00	OK
2/2/2021	4:06:00 PM	500	0.00	OK	0.00	OK
2/2/2021	4:06:00 PM	501	0.00	OK	1.80	OK
2/2/2021	4:07:00 PM	502	0.00	OK	3.20	OK
2/2/2021	4:07:00 PM	503	0.00	OK	0.00	OK
2/2/2021	4:07:00 PM	504	0.00	OK	0.00	OK
2/2/2021	4:08:00 PM	505	0.00	OK	0.00	OK
2/2/2021	4:08:00 PM	506	0.00	OK	5.50	OK
2/2/2021	4:09:00 PM	507	0.00	OK	0.00	OK
2/2/2021	4:09:00 PM	508	0.00	OK	0.00	OK
2/2/2021	4:09:00 PM	509	0.00	OK	0.00	OK
2/2/2021	4:10:00 PM	510	0.00	OK	0.00	OK
2/2/2021	4:10:00 PM	511	0.00	OK	0.00	OK
2/2/2021	4:10:00 PM	512	0.00	OK	0.00	OK
2/2/2021	4:10:00 PM	513	0.00	OK	3.60	OK
2/2/2021	4:11:00 PM	514	0.00	OK	0.00	OK
2/2/2021	4:11:00 PM	515	0.00	OK	0.00	OK
2/2/2021	4:11:00 PM	516	0.00	OK	0.00	OK
2/2/2021	4:11:00 PM	517	0.00	OK	0.00	OK
2/2/2021	4:12:00 PM	518	0.00	OK	0.00	OK
2/2/2021	4:12:00 PM	519	0.00	OK	3.20	OK
2/2/2021	4:12:00 PM	520	0.00	OK	2.70	OK
2/2/2021	4:13:00 PM	521	0.00	OK	0.00	OK

**1st Quarter 2021 Surface Emissions Monitoring
Southeast County Landfill, Hillsborough County, Florida
Phases I-VI**

Date	Time	Location #	Background Concentration (ppm)	Comment	Concentration (ppm)	Comment
2/2/2021	4:13:00 PM	522	0.00	OK	3.00	OK
2/2/2021	4:13:00 PM	523	0.00	OK	0.00	OK
2/2/2021	4:13:00 PM	524	0.00	OK	0.00	OK
2/2/2021	4:14:00 PM	525	0.00	OK	0.00	OK
2/2/2021	4:14:00 PM	526	0.00	OK	0.00	OK
2/2/2021	4:14:00 PM	527	0.00	OK	2.50	OK
2/2/2021	4:14:00 PM	528	0.00	OK	0.00	OK
2/2/2021	4:15:00 PM	529	0.00	OK	0.00	OK
2/2/2021	4:15:00 PM	530	0.00	OK	3.10	OK
2/2/2021	4:15:00 PM	531	0.00	OK	0.00	OK
2/2/2021	4:15:00 PM	532	0.00	OK	0.00	OK
2/2/2021	4:16:00 PM	533	0.00	OK	0.00	OK
2/2/2021	4:16:00 PM	534	0.00	OK	0.00	OK
2/2/2021	4:16:00 PM	535	0.00	OK	0.00	OK
2/2/2021	4:16:00 PM	536	0.00	OK	0.00	OK
2/2/2021	4:17:00 PM	537	0.00	OK	0.00	OK
2/2/2021	4:17:00 PM	538	0.00	OK	0.00	OK
2/2/2021	4:17:00 PM	539	0.00	OK	0.00	OK
2/2/2021	4:18:00 PM	540	0.00	OK	4.40	OK
2/2/2021	4:18:00 PM	541	0.00	OK	3.70	OK
2/2/2021	4:18:00 PM	542	0.00	OK	0.00	OK
2/2/2021	4:18:00 PM	543	0.00	OK	0.00	OK
2/2/2021	4:19:00 PM	544	0.00	OK	0.00	OK
2/2/2021	4:19:00 PM	545	0.00	OK	0.00	OK
2/2/2021	4:19:00 PM	546	0.00	OK	3.30	OK
2/2/2021	4:19:00 PM	547	0.00	OK	0.00	OK
2/2/2021	4:20:00 PM	548	0.00	OK	0.00	OK
2/2/2021	4:21:00 PM	549	0.00	OK	4.80	OK
2/2/2021	4:21:00 PM	550	0.00	OK	3.70	OK
2/2/2021	4:21:00 PM	551	0.00	OK	7.10	OK
2/2/2021	4:21:00 PM	552	0.00	OK	0.00	OK
2/2/2021	4:22:00 PM	553	0.00	OK	0.00	OK
2/2/2021	4:22:00 PM	554	0.00	OK	2.30	OK
2/2/2021	4:22:00 PM	555	0.00	OK	0.00	OK
2/2/2021	4:22:00 PM	556	0.00	OK	0.00	OK
2/2/2021	4:23:00 PM	557	0.00	OK	0.00	OK
2/2/2021	4:23:00 PM	558	0.00	OK	3.60	OK
2/2/2021	4:23:00 PM	559	0.00	OK	0.00	OK
2/2/2021	4:23:00 PM	560	0.00	OK	0.00	OK
2/2/2021	4:24:00 PM	561	0.00	OK	0.00	OK
2/2/2021	4:24:00 PM	562	0.00	OK	0.00	OK
2/2/2021	4:25:00 PM	563	0.00	OK	0.00	OK
2/2/2021	4:25:00 PM	564	0.00	OK	2.20	OK
2/2/2021	4:25:00 PM	565	0.00	OK	0.00	OK
2/2/2021	4:25:00 PM	566	0.00	OK	3.70	OK
2/2/2021	4:26:00 PM	567	0.00	OK	0.00	OK
2/2/2021	4:26:00 PM	568	0.00	OK	4.20	OK
2/2/2021	4:26:00 PM	569	0.00	OK	0.00	OK
2/2/2021	4:27:00 PM	570	0.00	OK	0.00	OK
2/2/2021	4:27:00 PM	571	0.00	OK	0.00	OK
2/2/2021	4:27:00 PM	572	0.00	OK	1.50	OK
2/2/2021	4:27:00 PM	573	0.00	OK	0.00	OK
2/2/2021	4:28:00 PM	574	0.00	OK	0.00	OK
End Monitoring						

**1st Quarter 2021 Surface Emissions Monitoring
Southeast County Landfill, Hillsborough County, Florida
Sections 7-9**

Date	Time	Tag #	Background Concentration (ppm)	Comment	Concentration (ppm)	Comment
Start Monitoring						
2/1/2021	11:55:13 AM	1	0.60	OK	0.00	OK
2/1/2021	12:01:17 PM	2	0.60	OK	0.00	OK
2/1/2021	12:01:43 PM	3	0.60	OK	2.00	OK
2/1/2021	12:02:29 PM	4	0.60	OK	0.00	OK
2/1/2021	12:02:56 PM	5	0.60	OK	0.00	OK
2/1/2021	12:03:41 PM	6	0.60	OK	0.00	OK
2/1/2021	12:04:16 PM	7	0.60	OK	0.00	OK
2/1/2021	12:05:03 PM	8	0.60	OK	0.00	OK
2/1/2021	12:05:41 PM	9	0.60	OK	0.00	OK
2/1/2021	12:06:21 PM	10	0.60	OK	0.00	OK
2/1/2021	12:06:44 PM	11	0.60	OK	0.00	OK
2/1/2021	12:07:10 PM	12	0.60	OK	0.00	OK
2/1/2021	12:07:43 PM	13	0.60	OK	0.00	OK
2/1/2021	12:08:19 PM	14	0.60	OK	0.00	OK
2/1/2021	12:08:50 PM	15	0.60	OK	0.00	OK
2/1/2021	12:09:32 PM	16	0.60	OK	0.00	OK
2/1/2021	12:10:09 PM	17	0.60	OK	0.00	OK
2/1/2021	12:10:57 PM	18	0.60	OK	0.00	OK
2/1/2021	12:12:24 PM	19	0.60	OK	0.00	OK
2/1/2021	12:13:29 PM	20	0.60	OK	0.00	OK
2/1/2021	12:13:55 PM	21	0.60	OK	0.00	OK
2/1/2021	12:14:31 PM	22	0.60	OK	0.00	OK
2/1/2021	12:14:57 PM	23	0.60	OK	0.00	OK
2/1/2021	12:15:38 PM	24	0.60	OK	0.00	OK
2/1/2021	12:16:17 PM	25	0.60	OK	0.00	OK
2/1/2021	12:17:03 PM	26	0.60	OK	0.00	OK
2/1/2021	12:17:40 PM	27	0.60	OK	0.00	OK
2/1/2021	12:18:08 PM	28	0.60	OK	0.00	OK
2/1/2021	12:18:42 PM	29	0.60	OK	3.60	OK
2/1/2021	12:19:16 PM	30	0.60	OK	0.00	OK
2/1/2021	12:19:33 PM	31	0.60	OK	0.00	OK
2/1/2021	12:19:54 PM	32	0.60	OK	2.00	OK
2/1/2021	12:20:20 PM	33	0.60	OK	0.00	OK
2/1/2021	12:20:51 PM	34	0.60	OK	0.00	OK
2/1/2021	12:21:23 PM	35	0.60	OK	0.00	OK
2/1/2021	12:21:53 PM	36	0.60	OK	0.00	OK
2/1/2021	12:22:24 PM	37	0.60	OK	1.70	OK
2/1/2021	12:22:50 PM	38	0.60	OK	1.40	OK
2/1/2021	12:23:13 PM	39	0.60	OK	2.00	OK
2/1/2021	12:23:41 PM	40	0.60	OK	0.00	OK
2/1/2021	12:24:08 PM	41	0.60	OK	5.00	OK
2/1/2021	12:24:52 PM	42	0.60	OK	0.00	OK
2/1/2021	12:25:13 PM	43	0.60	OK	0.00	OK
2/1/2021	12:25:45 PM	44	0.60	OK	0.00	OK
2/1/2021	12:27:47 PM	45	0.60	OK	0.00	OK
2/1/2021	12:28:05 PM	46	0.60	OK	0.00	OK
2/1/2021	12:28:35 PM	47	0.60	OK	0.00	OK
2/1/2021	12:29:01 PM	48	0.60	OK	0.00	OK
2/1/2021	12:29:23 PM	49	0.60	OK	0.00	OK
2/1/2021	12:29:57 PM	50	0.60	OK	0.00	OK
2/1/2021	12:30:43 PM	51	0.60	OK	0.00	OK
2/1/2021	12:31:07 PM	52	0.60	OK	0.00	OK
2/1/2021	12:31:34 PM	53	0.60	OK	0.00	OK
2/1/2021	12:32:08 PM	54	0.60	OK	0.00	OK
2/1/2021	12:32:38 PM	55	0.60	OK	0.00	OK
2/1/2021	12:32:59 PM	56	0.60	OK	0.00	OK
2/1/2021	12:33:47 PM	57	0.60	OK	2.40	OK

**1st Quarter 2021 Surface Emissions Monitoring
Southeast County Landfill, Hillsborough County, Florida
Sections 7-9**

Date	Time	Tag #	Background Concentration (ppm)	Comment	Concentration (ppm)	Comment
2/1/2021	12:34:12 PM	58	0.60	OK	2.60	OK
2/1/2021	12:34:37 PM	59	0.60	OK	0.00	OK
2/1/2021	12:35:00 PM	60	0.60	OK	1.40	OK
2/1/2021	12:35:44 PM	61	0.60	OK	0.00	OK
2/1/2021	12:36:18 PM	62	0.60	OK	0.00	OK
2/1/2021	12:36:49 PM	63	0.60	OK	0.00	OK
2/1/2021	12:37:22 PM	64	0.60	OK	0.00	OK
2/1/2021	12:37:52 PM	65	0.60	OK	3.70	OK
2/1/2021	12:38:15 PM	66	0.60	OK	0.00	OK
2/1/2021	12:38:41 PM	67	0.60	OK	0.00	OK
2/1/2021	12:39:13 PM	68	0.60	OK	0.00	OK
2/1/2021	12:39:34 PM	69	0.60	OK	0.00	OK
2/1/2021	12:40:10 PM	70	0.60	OK	0.00	OK
2/1/2021	12:40:32 PM	71	0.60	OK	0.00	OK
2/1/2021	12:40:50 PM	72	0.60	OK	1.50	OK
2/1/2021	12:41:11 PM	73	0.60	OK	2.20	OK
2/1/2021	12:41:29 PM	74	0.60	OK	0.00	OK
2/1/2021	12:41:54 PM	75	0.60	OK	0.00	OK
2/1/2021	12:42:15 PM	76	0.60	OK	4.00	OK
2/1/2021	12:42:41 PM	77	0.60	OK	0.00	OK
2/1/2021	12:43:01 PM	78	0.60	OK	0.00	OK
2/1/2021	12:43:34 PM	79	0.60	OK	0.00	OK
2/1/2021	12:44:02 PM	80	0.60	OK	0.00	OK
2/1/2021	12:44:24 PM	81	0.60	OK	2.80	OK
2/1/2021	12:44:32 PM	82	0.60	OK	0.00	OK
2/1/2021	12:46:09 PM	83	0.60	OK	0.00	OK
2/1/2021	12:46:24 PM	84	0.60	OK	0.00	OK
2/1/2021	12:46:47 PM	85	0.60	OK	0.00	OK
2/1/2021	12:47:24 PM	86	0.60	OK	0.00	OK
2/1/2021	12:47:56 PM	87	0.60	OK	0.00	OK
2/1/2021	12:48:21 PM	88	0.60	OK	0.00	OK
2/1/2021	12:48:50 PM	89	0.60	OK	0.00	OK
2/1/2021	12:49:09 PM	90	0.60	OK	2.10	OK
2/1/2021	12:49:31 PM	91	0.60	OK	3.50	OK
2/1/2021	12:50:09 PM	92	0.60	OK	0.00	OK
2/1/2021	12:50:26 PM	93	0.60	OK	0.00	OK
2/1/2021	12:50:51 PM	94	0.60	OK	0.00	OK
2/1/2021	12:52:13 PM	95	0.60	OK	0.00	OK
2/1/2021	12:52:55 PM	96	0.60	OK	9.20	OK
2/1/2021	12:53:19 PM	97	0.60	OK	0.00	OK
2/1/2021	12:53:39 PM	98	0.60	OK	0.00	OK
2/1/2021	12:54:09 PM	99	0.60	OK	0.00	OK
2/1/2021	12:54:30 PM	100	0.60	OK	0.00	OK
2/1/2021	12:55:13 PM	101	0.60	OK	0.00	OK
2/1/2021	12:55:31 PM	102	0.60	OK	1.60	OK
2/1/2021	12:55:54 PM	103	0.60	OK	0.00	OK
2/1/2021	12:56:13 PM	104	0.60	OK	0.00	OK
2/1/2021	12:56:39 PM	105	0.60	OK	0.00	OK
2/1/2021	12:57:01 PM	106	0.60	OK	0.00	OK
2/1/2021	1:02:22 PM	107	0.60	OK	0.00	OK
2/1/2021	1:02:41 PM	108	0.60	OK	0.00	OK
2/1/2021	1:03:02 PM	109	0.60	OK	1.90	OK
2/1/2021	1:03:28 PM	110	0.60	OK	3.50	OK
2/1/2021	1:03:52 PM	111	0.60	OK	0.00	OK
2/1/2021	1:04:18 PM	112	0.60	OK	0.00	OK
2/1/2021	1:04:35 PM	113	0.60	OK	7.60	OK
2/1/2021	1:04:53 PM	114	0.60	OK	0.00	OK
2/1/2021	1:05:24 PM	115	0.60	OK	0.00	OK

**1st Quarter 2021 Surface Emissions Monitoring
Southeast County Landfill, Hillsborough County, Florida
Sections 7-9**

Date	Time	Tag #	Background Concentration (ppm)	Comment	Concentration (ppm)	Comment
2/1/2021	1:05:38 PM	116	0.60	OK	0.00	OK
2/1/2021	1:06:04 PM	117	0.60	OK	0.00	OK
2/1/2021	1:06:16 PM	118	0.60	OK	0.00	OK
2/1/2021	1:06:29 PM	119	0.60	OK	0.00	OK
2/1/2021	1:06:54 PM	120	0.60	OK	0.00	OK
2/1/2021	1:07:24 PM	121	0.60	OK	0.00	OK
2/1/2021	1:07:45 PM	122	0.60	OK	2.30	OK
2/1/2021	1:08:07 PM	123	0.60	OK	0.00	OK
2/1/2021	1:08:35 PM	124	0.60	OK	0.00	OK
2/1/2021	1:08:56 PM	125	0.60	OK	0.00	OK
2/1/2021	1:09:36 PM	126	0.60	OK	0.00	OK
2/1/2021	1:11:22 PM	127	0.60	OK	0.00	OK
2/1/2021	1:12:15 PM	128	0.60	OK	0.00	OK
2/1/2021	1:15:20 PM	129	0.60	OK	0.00	OK
2/1/2021	1:15:39 PM	130	0.60	OK	0.00	OK
2/1/2021	1:16:04 PM	131	0.60	OK	0.00	OK
2/1/2021	1:16:45 PM	132	0.60	OK	0.00	OK
2/1/2021	1:17:10 PM	133	0.60	OK	0.00	OK
2/1/2021	1:17:24 PM	134	0.60	OK	2.40	OK
2/1/2021	1:17:53 PM	135	0.60	OK	10.80	OK
2/1/2021	1:18:07 PM	136	0.60	OK	47.40	OK
2/1/2021	1:18:38 PM	137	0.60	OK	170.50	OK
2/1/2021	1:19:02 PM	138	0.60	OK	26.60	OK
2/1/2021	1:19:28 PM	139	0.60	OK	0.00	OK
2/1/2021	1:19:54 PM	140	0.60	OK	0.00	OK
2/1/2021	1:20:19 PM	141	0.60	OK	0.00	OK
2/1/2021	1:20:48 PM	142	0.60	OK	0.00	OK
2/1/2021	1:21:12 PM	143	0.60	OK	0.00	OK
2/1/2021	1:21:29 PM	144	0.60	OK	0.00	OK
2/1/2021	1:21:47 PM	145	0.60	OK	0.00	OK
2/1/2021	1:22:28 PM	146	0.60	OK	0.00	OK
2/1/2021	1:23:00 PM	147	0.60	OK	0.00	OK
2/1/2021	1:23:14 PM	148	0.60	OK	0.00	OK
2/1/2021	1:23:34 PM	149	0.60	OK	6.00	OK
2/1/2021	1:23:56 PM	150	0.60	OK	0.00	OK
2/1/2021	1:24:43 PM	151	0.60	OK	0.00	OK
2/1/2021	1:25:03 PM	152	0.60	OK	3.60	OK
2/1/2021	1:25:21 PM	153	0.60	OK	0.00	OK
2/1/2021	1:25:40 PM	154	0.60	OK	0.00	OK
2/1/2021	1:26:07 PM	155	0.60	OK	0.00	OK
2/1/2021	1:27:23 PM	156	0.60	OK	0.00	OK
2/1/2021	1:27:49 PM	157	0.60	OK	0.00	OK
2/1/2021	1:28:17 PM	158	0.60	OK	0.00	OK
2/1/2021	1:28:28 PM	159	0.60	OK	0.00	OK
2/1/2021	1:28:49 PM	160	0.60	OK	0.00	OK
2/1/2021	1:29:08 PM	161	0.60	OK	0.00	OK
2/1/2021	1:29:32 PM	162	0.60	OK	0.00	OK
2/1/2021	1:30:28 PM	163	0.60	OK	0.00	OK
2/1/2021	1:31:37 PM	164	0.60	OK	0.00	OK
2/1/2021	1:32:02 PM	165	0.60	OK	0.00	OK
2/1/2021	1:32:37 PM	166	0.60	OK	0.00	OK
2/1/2021	1:33:04 PM	167	0.60	OK	0.00	OK
2/1/2021	1:33:29 PM	168	0.60	OK	0.00	OK
2/1/2021	1:34:04 PM	169	0.60	OK	0.00	OK
2/1/2021	1:34:27 PM	170	0.60	OK	0.00	OK
2/1/2021	1:34:47 PM	171	0.60	OK	0.00	OK
2/1/2021	1:35:11 PM	172	0.60	OK	0.00	OK
2/1/2021	1:35:40 PM	173	0.60	OK	0.00	OK

**1st Quarter 2021 Surface Emissions Monitoring
Southeast County Landfill, Hillsborough County, Florida
Sections 7-9**

Date	Time	Tag #	Background Concentration (ppm)	Comment	Concentration (ppm)	Comment
2/1/2021	1:36:07 PM	174	0.60	OK	3.80	OK
2/1/2021	1:36:34 PM	175	0.60	OK	0.00	OK
2/1/2021	1:38:31 PM	176	0.60	OK	0.00	OK
2/1/2021	1:38:48 PM	177	0.60	OK	0.00	OK
2/1/2021	1:39:05 PM	178	0.60	OK	0.00	OK
2/1/2021	1:39:19 PM	179	0.60	OK	0.00	OK
2/1/2021	1:39:44 PM	180	0.60	OK	0.00	OK
2/1/2021	1:39:57 PM	181	0.60	OK	0.00	OK
2/1/2021	1:40:21 PM	182	0.60	OK	5.90	OK
2/1/2021	1:40:44 PM	183	0.60	OK	1.60	OK
2/1/2021	1:41:11 PM	184	0.60	OK	0.00	OK
2/1/2021	1:41:30 PM	185	0.60	OK	1.70	OK
2/1/2021	1:41:59 PM	186	0.60	OK	3.00	OK
2/1/2021	1:42:36 PM	187	0.60	OK	0.00	OK
2/1/2021	1:43:01 PM	188	0.60	OK	0.00	OK
2/1/2021	1:43:31 PM	189	0.60	OK	0.00	OK
2/1/2021	1:43:36 PM	190	0.60	OK	0.00	OK
2/1/2021	1:44:01 PM	191	0.60	OK	2.70	OK
2/1/2021	1:44:10 PM	192	0.60	OK	0.00	OK
2/1/2021	1:44:30 PM	193	0.60	OK	2.00	OK
2/1/2021	1:44:56 PM	194	0.60	OK	0.00	OK
2/1/2021	1:45:22 PM	195	0.60	OK	2.00	OK
2/1/2021	1:45:53 PM	196	0.60	OK	0.00	OK
2/1/2021	1:46:17 PM	197	0.60	OK	0.00	OK
2/1/2021	1:46:40 PM	198	0.60	OK	0.00	OK
2/1/2021	1:47:10 PM	199	0.60	OK	0.00	OK
2/1/2021	1:47:38 PM	200	0.60	OK	0.00	OK
2/1/2021	1:48:38 PM	201	0.60	OK	0.00	OK
2/1/2021	1:48:57 PM	202	0.60	OK	0.00	OK
2/1/2021	1:49:30 PM	203	0.60	OK	0.00	OK
2/1/2021	1:50:04 PM	204	0.60	OK	0.00	OK
2/1/2021	1:50:36 PM	205	0.60	OK	0.00	OK
2/1/2021	1:51:07 PM	206	0.60	OK	0.00	OK
2/1/2021	1:51:36 PM	207	0.60	OK	0.00	OK
2/1/2021	1:52:00 PM	208	0.60	OK	1.70	OK
2/1/2021	1:52:25 PM	209	0.60	OK	0.00	OK
2/1/2021	1:52:46 PM	210	0.60	OK	0.00	OK
2/1/2021	1:53:04 PM	211	0.60	OK	0.00	OK
2/1/2021	1:53:20 PM	212	0.60	OK	0.00	OK
2/1/2021	1:53:37 PM	213	0.60	OK	0.00	OK
2/1/2021	1:53:59 PM	214	0.60	OK	0.00	OK
2/1/2021	1:54:19 PM	215	0.60	OK	0.00	OK
2/1/2021	1:54:42 PM	216	0.60	OK	0.00	OK
2/1/2021	1:55:02 PM	217	0.60	OK	0.00	OK
2/1/2021	1:55:21 PM	218	0.60	OK	0.00	OK
2/1/2021	1:55:56 PM	219	0.60	OK	0.00	OK
2/1/2021	1:56:19 PM	220	0.60	OK	0.00	OK
2/1/2021	1:57:01 PM	221	0.60	OK	0.00	OK
2/1/2021	1:57:34 PM	222	0.60	OK	0.00	OK
2/1/2021	1:57:48 M	223	0.60	OK	1.70	OK
2/1/2021	1:58:42 PM	224	0.60	OK	0.00	OK
2/1/2021	1:59:29 PM	225	0.60	OK	0.00	OK
2/1/2021	1:59:47 PM	226	0.60	OK	6.30	OK
2/1/2021	1:59:55 PM	227	0.60	OK	3.50	OK
2/1/2021	2:00:21 PM	228	0.60	OK	0.00	OK
2/1/2021	2:02:10 PM	229	0.60	OK	0.00	OK
2/1/2021	2:02:30 PM	230	0.60	OK	0.00	OK
2/1/2021	2:02:53 PM	231	0.60	OK	0.00	OK

**1st Quarter 2021 Surface Emissions Monitoring
Southeast County Landfill, Hillsborough County, Florida
Sections 7-9**

Date	Time	Tag #	Background Concentration (ppm)	Comment	Concentration (ppm)	Comment
2/1/2021	2:03:21 PM	232	0.60	OK	0.00	OK
2/1/2021	2:03:48 PM	233	0.60	OK	2.50	OK
2/1/2021	2:04:08 PM	234	0.60	OK	0.00	OK
2/1/2021	2:04:35 PM	235	0.60	OK	0.00	OK
2/1/2021	2:05:01 PM	236	0.60	OK	0.00	OK
2/1/2021	2:05:12 PM	237	0.60	OK	4.90	OK
2/1/2021	2:05:26 PM	238	0.60	OK	2.00	OK
2/1/2021	2:05:52 PM	239	0.60	OK	0.00	OK
2/1/2021	2:06:11 PM	240	0.60	OK	0.00	OK
2/1/2021	2:06:26 PM	241	0.60	OK	0.00	OK
2/1/2021	2:06:51 PM	242	0.60	OK	0.00	OK
2/1/2021	2:07:12 PM	243	0.60	OK	0.00	OK
2/1/2021	2:07:34 PM	244	0.60	OK	0.00	OK
2/1/2021	2:07:58 PM	245	0.60	OK	0.00	OK
2/1/2021	2:08:41 PM	246	0.60	OK	0.00	OK
2/1/2021	2:08:54 PM	247	0.60	OK	0.00	OK
2/1/2021	2:09:20 PM	248	0.60	OK	0.00	OK
End Monitoring						

Appendix 3 – 2

Second Quarter Surface Emissions Monitoring Results

August 23, 2021
File No. 09215600.12

Mr. Larry E. Ruiz, SC
Manager Landfill Operations
Solid Waste Management Division
15960 County Road 672
Lithia, Florida, 33547

Subject: Surface Emission Monitoring Report, Second Quarter 2021
Southeast County Landfill, Hillsborough County, Florida

Dear Mr. Ruiz:

SCS is pleased to submit the results of the second quarter 2021 surface emission monitoring (SEM) event at the Southeast County Landfill (SCLF) as required by the landfill's Title V permit # 0570854-012-AV. Provided below is a description of our activities and summary of the monitoring results.

Monitoring Summary

SCS Engineers (SCS) performed the SEM event on June 1 and 2, 2021. The monitoring event was conducted in accordance with guidelines set forth in the New Source Performance Standards (NSPS), 40 CFR, 60.755 (c) and (d), and 40 CFR 60, Appendix A, Method 21 promulgated by the U. S. Environmental Protection Agency (EPA).

An Irwin – Methane Leak Detector with Archer2 recording attachment was used to perform the emissions monitoring. The pre-calibrated unit met EPA Method 21 compliance requirements for this event. A map of the landfill, showing the route of monitoring, is included in **Attachment 1**. Active operational landfill areas, areas that were fenced off, areas that contained steep slopes, and other areas presenting a safety constraint were not monitored and are delineated on the map as seen in **Attachment 1**. Calibration logs were completed by the field technician performing the work and are included in **Attachment 2**.

On June 2, 2021, there were four (4) areas on the landfill surface that exceeded the regulatory reporting threshold of 500 ppm methane during the monitoring event. SCS brought the exceedant locations to the attention of the landfill operations personnel, who immediately remediated the locations with additional cover soil. Following remediation, SCS performed the 10-day rechecks on June 9, 2021, where all exceedant locations displayed readings below the 500 ppm threshold. On July 1, 2021, SCS performed the 1-month rechecks for the 4 exceedant locations. All locations displayed readings under the 500 ppm threshold. A summary of the exceedances is provided in **Table 1**.

Table 1. Surface Emissions Monitoring Exceedance Summary

Date	Time	Tag #	Concentration (ppm)	GPS Location	10 Day Recheck	Value (ppm)	1-Month Recheck	Value (ppm)	Comments
6/2/2021	11:19:25 AM	1 (Tag 262)	2431.7	Lat: 27.776955° N Lon:-82.183812° W	6/2/2021	1.1	7/1/2021	42.4	1-Month readings is below regulatory reporting threshold.No further monitoring required until second quarter
6/2/2021	2:37:39 PM	2 (Tag 461)	851.5	Lat: 27.772338° N Lon:-82.183203° W	6/9/2021	354.3	7/1/2021	394.1	1-Month readings is below regulatory reporting threshold.No further monitoring required until second quarter
6/2/2021	2:45:35 PM	3 (Tag 485)	932.5	Lat: 27.773348° N Lon:-82.186384° W	6/9/2021	5.5	7/1/2021	26.3	1-Month readings is below regulatory reporting threshold.No further monitoring required until second quarter
6/2/2021	2:55:34 PM	4 (Tag 493)	2160.1	Lat: 27.773394° N Lon:-82.188072° W	6/9/2021	494.3	7/1/2021	32.7	1-Month readings is below regulatory reporting threshold.No further monitoring required until second quarter

No further monitoring is required until the regularly scheduled third quarter monitoring event in 2021. The second quarter SEM results are presented in **Attachment 3**.

SCS appreciates the opportunity to assist you with this work. Please call us at (813) 621-0080 if you have any questions or would like additional information.

Sincerely,



Stephen W. Townsend, E.I.
 Staff Professional
 SCS Engineers



Daniel R. Cooper, P.E.
 Vice President
 SCS Engineers

Attachments

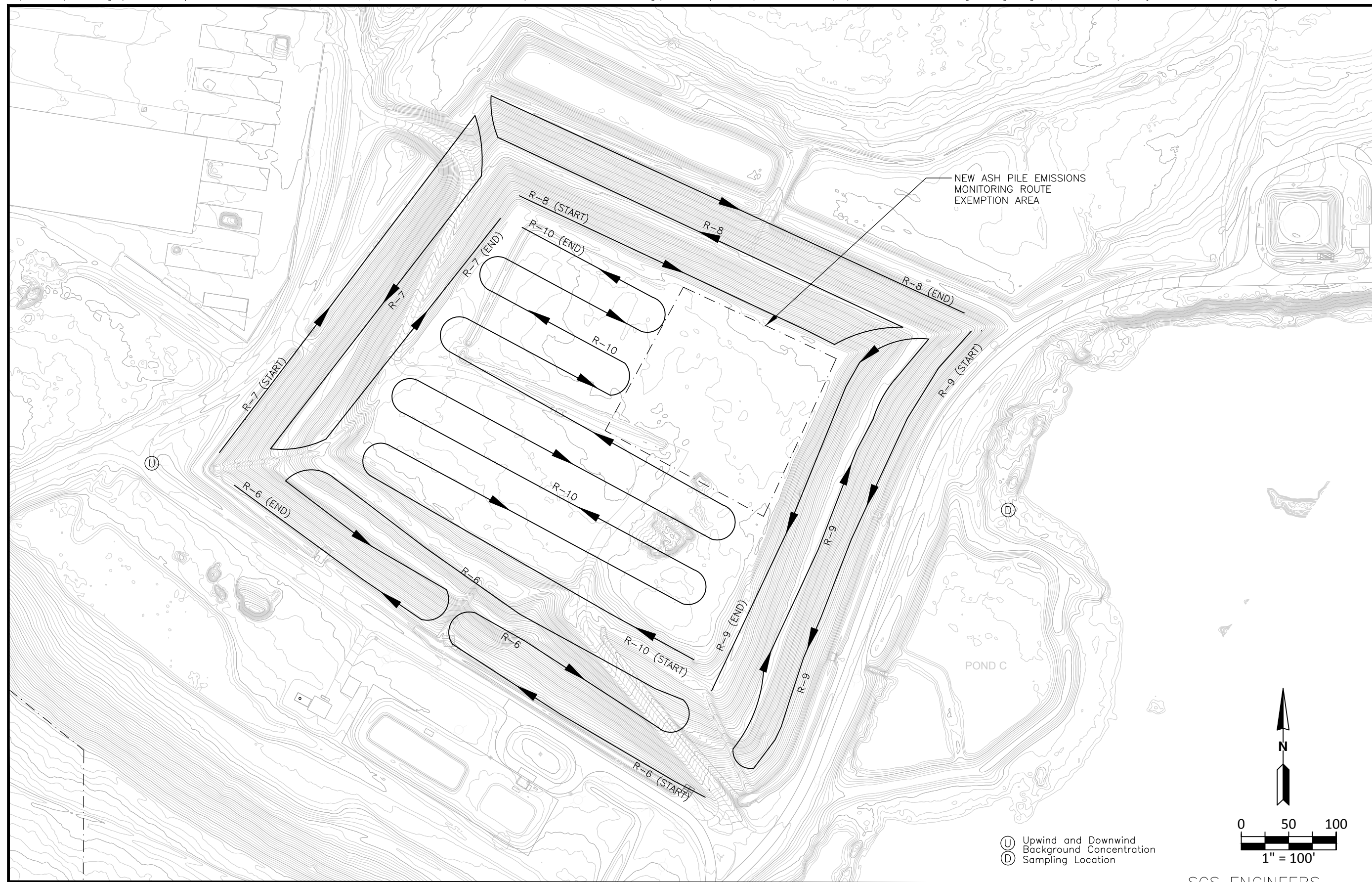
cc: Walter Gray, Hillsborough County (electronic)

ATTACHMENT 1
MAP OF SEM ROUTE



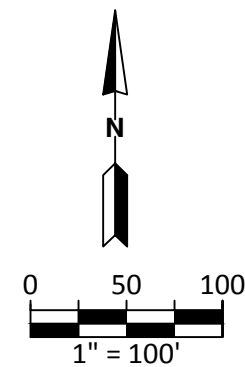
SCS ENGINEERS

ATTACHMENT 1 - FIGURE 1. 2ND QUARTER 2021 SURFACE EMISSIONS MONITORING PHASES I-VI, SOUTHEAST COUNTY LANDFILL HILLSBOROUGH COUNTY, FLORIDA



ATTACHMENT 1 - FIGURE 2. 2ND QUARTER 2021 SURFACE EMISSIONS MONITORING
SECTIONS 7-9 SOUTHEAST COUNTY LANDFILL
HILLSBOROUGH COUNTY, FLORIDA

U Upwind and Downwind
Background Concentration
D Sampling Location



SCS ENGINEERS

ATTACHMENT 2
FIELD CALIBRATION SHEETS

SCS FIELD SERVICES

NSPS Surface Emissions Monitoring Calibration and Pertinent Data Form

Date: 06/01/21 Site: Southeast County Lnadfill Sections 7-9 Job Number: 09215600.12

Technician(s): Marx Gedeon

Weather Observations

Wind Speed: 10 MPH Wind Direction: WNW Barometric Pressure: 30.13 "Hg

Air Temperature: 61 °F General Weather Conditions: Cloudy

Calibration Information

Instrument ID: IRWIN: 886B0FA6E6F4 Span Calibration Gas Manufacturer: Pine Environmental

Cal Gas Lot # 304-402092371-1 Expiration Date: 5/18/2025 Cal Gas Concentration: 500 ppm

Pre-monitoring Calibration Precision Check

*Procedure: Calibrate the instrument. Make a total of three measurements by alternating zero air and the calibration gas. Record the readings and calculate the average algebraic difference between the instrument reading and the calibration gas as a percentage. **The calibration precision must be less than or equal to 10% of the calibration gas value.***

Trial	Zero Air Reading (ppm)	Cal Gas Reading (ppm)	Cal Gas Conc. – Cal Gas Reading
1	0	499.3	1
2	0	498.3	2
3	0	498.1	2
Average Difference:			1

$$\begin{aligned} \text{Calibration Precision} &= \text{Average Difference} / \text{Cal. Gas Conc.} \quad \times 100\% \\ &= \frac{1}{500} \times 100\% \\ &= \underline{0.29} \% \end{aligned}$$

Pre-monitoring Response Time Check

*Procedure: Introduce zero concentration methane/H2S into the instrument. Quickly change to the calibration gas. Measure the amount of time it takes the instrument to read 90% of the calibration gas concentration. **This average response time must be less than or equal to 10 seconds.***

Trial	Start Time (Add Cal Gas) (hh:mm:ss)	Time at 90% Reading (hh:mm:ss)	Time Elapsed (Seconds)
1	11:44:10 AM	11:44:15 AM	5
2	11:44:40 AM	11:44:46 AM	6
3	11:45:40 AM	11:45:45 AM	5
Average Response Time:			5

Background Concentration Checks

Upwind Location Description: WNW of site (see map) Reading: 0.00 ppm

Downwind Location Description: SW of site (see map) Reading: 0.00 ppm

Average Background Reading: 0.00 ppm

Post-monitoring Calibration Precision Check

Zero Air Reading: 0 ppm Cal Gas Reading: 498.9 ppm

Exceedances: No exceedances.

Cover Inspection Observations cover looks good

SCS FIELD SERVICES

NSPS Surface Emissions Monitoring Calibration and Pertinent Data Form

Date: 06/02/21 Site: Southeast County Landfill Phases I-VI Job Number: 09215600.12

Technician(s): Marx Gedeon

Weather Observations

Wind Speed: 7 MPH Wind Direction: W Barometric Pressure: 30.13 "Hg

Air Temperature: 81 °F General Weather Conditions: Cloudy

Calibration Information

Instrument ID: IRWIN: 886B0FA6E6F4 Span Calibration Gas Manufacturer: Pine Environmental

Cal Gas Lot # 304-402092371-1 Expiration Date: 5/18/2025 Cal Gas Concentration: 500 ppm

Pre-monitoring Calibration Precision Check

*Procedure: Calibrate the instrument. Make a total of three measurements by alternating zero air and the calibration gas. Record the readings and calculate the average algebraic difference between the instrument reading and the calibration gas as a percentage. **The calibration precision must be less than or equal to 10% of the calibration gas value.***

Trial	Zero Air Reading (ppm)	Cal Gas Reading (ppm)	Cal Gas Conc. – Cal Gas Reading
1	0	499.2	1
2	0	500	0
3	0	506.3	6
Average Difference:			2

$$\begin{aligned}
 \text{Calibration Precision} &= \text{Average Difference} / \text{Cal. Gas Conc.} \quad \times 100\% \\
 &= \frac{2}{500} \times 100\% \\
 &= \underline{0.47} \%
 \end{aligned}$$

Pre-monitoring Response Time Check

*Procedure: Introduce zero concentration methane/H2S into the instrument. Quickly change to the calibration gas. Measure the amount of time it takes the instrument to read 90% of the calibration gas concentration. **This average response time must be less than or equal to 10 seconds.***

Trial	Start Time (Add Cal Gas) (hh:mm:ss)	Time at 90% Reading (hh:mm:ss)	Time Elapsed (Seconds)
1	9:20:23 AM	9:20:29 AM	6
2	9:27:10 AM	9:27:17 AM	7
3	9:28:10 AM	9:28:16 AM	6
Average Response Time:			6

Background Concentration Checks

Upwind Location Description: W of site (see map) Reading: 0.00 ppm

Downwind Location Description: E of site (see map) Reading: 0.00 ppm

Average Background Reading: 0.00 ppm

Post-monitoring Calibration Precision Check

Zero Air Reading: 0 ppm Cal Gas Reading: 488.2 ppm

Exceedances: 4 exceedances . Tag 262 =2431/ Tag461= 851/ Tag 485=932// Tag 493=2160

Cover Inspection Observations cover looks good

SCS FIELD SERVICES

NSPS Surface Emissions Monitoring Calibration and Pertinent Data Form

Date: 06/09/21 Site: Southeast County Landfill Phases I-VI Job Number: 09215600.12

Technician(s): Marx Gedeon

Weather Observations

Wind Speed: 4 MPH Wind Direction: ESE Barometric Pressure: 30.14 "Hg

Air Temperature: 88 °F General Weather Conditions: Cloudy

Calibration Information

Instrument ID: IRWIN: 886B0FA6E6F4 Span Calibration Gas Manufacturer: Pine Environmental

Cal Gas Lot # 304-402092371-1 Expiration Date: 5/18/2025 Cal Gas Concentration: 500 ppm

Pre-monitoring Calibration Precision Check

*Procedure: Calibrate the instrument. Make a total of three measurements by alternating zero air and the calibration gas. Record the readings and calculate the average algebraic difference between the instrument reading and the calibration gas as a percentage. **The calibration precision must be less than or equal to 10% of the calibration gas value.***

Trial	Zero Air Reading (ppm)	Cal Gas Reading (ppm)	Cal Gas Conc. – Cal Gas Reading
1	0	499.3	1
2	0	498.7	1
3	0	500.1	0
Average Difference:			1

$$\begin{aligned} \text{Calibration Precision} &= \text{Average Difference} / \text{Cal. Gas Conc.} \quad \times 100\% \\ &= \frac{1}{500} \times 100\% \\ &= \underline{0.14} \% \end{aligned}$$

Pre-monitoring Response Time Check

*Procedure: Introduce zero concentration methane/H₂S into the instrument. Quickly change to the calibration gas. Measure the amount of time it takes the instrument to read 90% of the calibration gas concentration. **This average response time must be less than or equal to 10 seconds.***

Trial	Start Time (Add Cal Gas) (hh:mm:ss)	Time at 90% Reading (hh:mm:ss)	Time Elapsed (Seconds)
1	1:03:10 PM	1:03:16 PM	6
2	1:03:40 PM	1:03:45 PM	5
3	1:04:40 PM	1:04:45 PM	5
Average Response Time:			5

Background Concentration Checks

Upwind Location Description: ESE of site (see map) Reading: 0.00 ppm

Downwind Location Description: SW of site (see map) Reading: 0.00 ppm

Average Background Reading: 0.00 ppm

Post-monitoring Calibration Precision Check

Zero Air Reading: 0 ppm Cal Gas Reading: 494 ppm

Exceedances: All exceedant locatins were monitored and all readings were below the 500 ppm methan threshold.

Cover Inspection Observations cover looks good

SCS FIELD SERVICES

NSPS Surface Emissions Monitoring Calibration and Pertinent Data Form

Date: 07/01/21 Site: Southeast County Landfill Phases I-VI Job Number: 09215600.12

Technician(s): Marx Gedeon

Weather Observations

Wind Speed: 3 MPH Wind Direction: ESE Barometric Pressure: 30.01 "Hg

Air Temperature: 88 °F General Weather Conditions: Cloudy

Calibration Information

Instrument ID: IRWIN: 886B0FA6E6F4 Span Calibration Gas Manufacturer: Pine Environmental

Cal Gas Lot # FBJ-150A-500-5 Expiration Date: 5/15/2023 Cal Gas Concentration: 500 ppm

Pre-monitoring Calibration Precision Check

*Procedure: Calibrate the instrument. Make a total of three measurements by alternating zero air and the calibration gas. Record the readings and calculate the average algebraic difference between the instrument reading and the calibration gas as a percentage. **The calibration precision must be less than or equal to 10% of the calibration gas value.***

Trial	Zero Air Reading (ppm)	Cal Gas Reading (ppm)	Cal Gas Conc. – Cal Gas Reading
1	0	500.4	0
2	0	503.9	4
3	0	502.1	2
Average Difference:			2

$$\begin{aligned}\text{Calibration Precision} &= \text{Average Difference} / \text{Cal. Gas Conc.} \quad \times 100\% \\ &= \frac{2}{500} \times 100\% \\ &= \underline{0.43} \%\end{aligned}$$

Pre-monitoring Response Time Check

*Procedure: Introduce zero concentration methane/H₂S into the instrument. Quickly change to the calibration gas. Measure the amount of time it takes the instrument to read 90% of the calibration gas concentration. **This average response time must be less than or equal to 10 seconds.***

Trial	Start Time (Add Cal Gas) (hh:mm:ss)	Time at 90% Reading (hh:mm:ss)	Time Elapsed (Seconds)
1	1:20:10 PM	1:20:15 PM	5
2	1:22:10 PM	1:22:15 PM	5
3	1:24:10 PM	1:24:14 PM	4
Average Response Time:			5

Background Concentration Checks

Upwind Location Description: ESE of site (see map) Reading: 0.00 ppm

Downwind Location Description: SW of site (see map) Reading: 1.60 ppm

Average Background Reading: 0.80 ppm

Post-monitoring Calibration Precision Check

Zero Air Reading: 0 ppm Cal Gas Reading: 477 ppm

Exceedances: All exceedant locations were monitored and all readings were below the 500 ppm methane threshold.

Cover Inspection Observations cover looks good

ATTACHMENT 3
2ND QUARTER 2021 SEM RESULTS

**2nd Quarter 2021 Surface Emissions Monitoring
Southeast County Landfill, Hillsborough County, Florida
Sections 7-9**

Date	Time	Tag #	Background Concentration (ppm)	Comment	Concentration (ppm)	Comment
Monitoring Start						
6/1/2021	12:11:33 PM	1	0.00	OK	0.00	OK
6/1/2021	12:11:54 PM	2	0.00	OK	0.00	OK
6/1/2021	12:12:15 PM	3	0.00	OK	0.00	OK
6/1/2021	12:12:38 PM	4	0.00	OK	0.00	OK
6/1/2021	12:13:05 PM	5	0.00	OK	1.70	OK
6/1/2021	12:13:32 PM	6	0.00	OK	1.10	OK
6/1/2021	12:14:08 PM	7	0.00	OK	0.00	OK
6/1/2021	12:14:40 PM	8	0.00	OK	0.00	OK
6/1/2021	12:15:06 PM	9	0.00	OK	0.00	OK
6/1/2021	12:15:33 PM	10	0.00	OK	0.00	OK
6/1/2021	12:16:05 PM	11	0.00	OK	0.00	OK
6/1/2021	12:16:37 PM	12	0.00	OK	0.00	OK
6/1/2021	12:17:06 PM	13	0.00	OK	0.00	OK
6/1/2021	12:17:40 PM	14	0.00	OK	0.00	OK
6/1/2021	12:18:10 PM	15	0.00	OK	0.00	OK
6/1/2021	12:18:34 PM	16	0.00	OK	0.00	OK
6/1/2021	12:19:04 PM	17	0.00	OK	0.00	OK
6/1/2021	12:19:37 PM	18	0.00	OK	12.90	OK
6/1/2021	12:19:42 PM	19	0.00	OK	83.60	OK
6/1/2021	12:20:18 PM	20	0.00	OK	0.00	OK
6/1/2021	12:20:39 PM	21	0.00	OK	0.00	OK
6/1/2021	12:21:08 PM	22	0.00	OK	0.00	OK
6/1/2021	12:21:48 PM	23	0.00	OK	159.70	OK
6/1/2021	12:22:16 PM	24	0.00	OK	0.00	OK
6/1/2021	12:22:38 PM	25	0.00	OK	0.00	OK
6/1/2021	12:23:08 PM	26	0.00	OK	0.00	OK
6/1/2021	12:23:32 PM	27	0.00	OK	0.00	OK
6/1/2021	12:24:00 PM	28	0.00	OK	0.00	OK
6/1/2021	12:24:24 PM	29	0.00	OK	0.00	OK
6/1/2021	12:24:46 PM	30	0.00	OK	0.00	OK
6/1/2021	12:25:17 PM	31	0.00	OK	0.00	OK
6/1/2021	12:25:42 PM	32	0.00	OK	0.00	OK
6/1/2021	12:26:06 PM	33	0.00	OK	0.00	OK
6/1/2021	12:26:30 PM	34	0.00	OK	0.00	OK
6/1/2021	12:26:51 PM	35	0.00	OK	0.00	OK
6/1/2021	12:27:11 PM	36	0.00	OK	0.00	OK
6/1/2021	12:27:36 PM	37	0.00	OK	0.00	OK
6/1/2021	12:28:18 PM	38	0.00	OK	0.00	OK
6/1/2021	12:28:40 PM	39	0.00	OK	0.00	OK
6/1/2021	12:29:00 PM	40	0.00	OK	0.00	OK
6/1/2021	12:29:29 PM	41	0.00	OK	0.00	OK
6/1/2021	12:29:55 PM	42	0.00	OK	0.00	OK
6/1/2021	12:30:19 PM	43	0.00	OK	0.00	OK
6/1/2021	12:30:59 PM	44	0.00	OK	0.00	OK
6/1/2021	12:31:29 PM	45	0.00	OK	0.00	OK
6/1/2021	12:31:53 PM	46	0.00	OK	0.00	OK
6/1/2021	12:32:14 PM	47	0.00	OK	5.20	OK
6/1/2021	12:34:07 PM	48	0.00	OK	0.00	OK
6/1/2021	12:34:32 PM	49	0.00	OK	0.00	OK
6/1/2021	12:34:55 PM	50	0.00	OK	0.00	OK
6/1/2021	12:35:23 PM	51	0.00	OK	0.00	OK
6/1/2021	12:35:54 PM	52	0.00	OK	0.00	OK
6/1/2021	12:36:19 PM	53	0.00	OK	39.10	OK
6/1/2021	12:36:49 PM	54	0.00	OK	0.00	OK
6/1/2021	12:37:15 PM	55	0.00	OK	1.40	OK
6/1/2021	12:37:32 PM	56	0.00	OK	12.10	OK
6/1/2021	12:38:09 PM	57	0.00	OK	62.90	OK

**2nd Quarter 2021 Surface Emissions Monitoring
Southeast County Landfill, Hillsborough County, Florida
Sections 7-9**

Date	Time	Tag #	Background Concentration (ppm)	Comment	Concentration (ppm)	Comment
6/1/2021	12:38:55 PM	58	0.00	OK	0.00	OK
6/1/2021	12:39:46 PM	59	0.00	OK	0.00	OK
6/1/2021	12:40:13 PM	60	0.00	OK	0.00	OK
6/1/2021	12:40:53 PM	61	0.00	OK	0.00	OK
6/1/2021	12:41:11 PM	62	0.00	OK	0.00	OK
6/1/2021	12:42:26 PM	63	0.00	OK	0.00	OK
6/1/2021	12:43:05 PM	64	0.00	OK	0.00	OK
6/1/2021	12:43:38 PM	65	0.00	OK	0.00	OK
6/1/2021	12:44:09 PM	66	0.00	OK	0.00	OK
6/1/2021	12:44:42 PM	67	0.00	OK	0.00	OK
6/1/2021	12:45:13 PM	68	0.00	OK	0.00	OK
6/1/2021	12:45:35 PM	69	0.00	OK	0.00	OK
6/1/2021	12:46:02 PM	70	0.00	OK	1.20	OK
6/1/2021	12:46:25 PM	71	0.00	OK	0.00	OK
6/1/2021	12:46:43 PM	72	0.00	OK	0.00	OK
6/1/2021	12:47:02 PM	73	0.00	OK	0.00	OK
6/1/2021	12:47:25 PM	74	0.00	OK	0.00	OK
6/1/2021	12:47:56 PM	75	0.00	OK	0.00	OK
6/1/2021	12:48:26 PM	76	0.00	OK	0.00	OK
6/1/2021	12:48:56 PM	77	0.00	OK	0.00	OK
6/1/2021	12:49:31 PM	78	0.00	OK	0.00	OK
6/1/2021	12:50:02 PM	79	0.00	OK	0.00	OK
6/1/2021	12:50:30 PM	80	0.00	OK	0.00	OK
6/1/2021	12:50:50 PM	81	0.00	OK	0.00	OK
6/1/2021	12:53:00 PM	82	0.00	OK	0.00	OK
6/1/2021	12:53:21 PM	83	0.00	OK	0.00	OK
6/1/2021	12:53:48 PM	84	0.00	OK	0.00	OK
6/1/2021	12:54:14 PM	85	0.00	OK	0.00	OK
6/1/2021	12:54:45 PM	86	0.00	OK	0.00	OK
6/1/2021	12:55:13 PM	87	0.00	OK	0.00	OK
6/1/2021	12:55:42 PM	88	0.00	OK	0.00	OK
6/1/2021	12:56:18 PM	89	0.00	OK	97.10	OK
6/1/2021	12:56:46 PM	90	0.00	OK	0.00	OK
6/1/2021	12:57:18 PM	91	0.00	OK	0.00	OK
6/1/2021	12:57:44 PM	92	0.00	OK	0.00	OK
6/1/2021	12:58:10 PM	93	0.00	OK	0.00	OK
6/1/2021	12:58:41 PM	94	0.00	OK	0.00	OK
6/1/2021	12:59:22 PM	95	0.00	OK	0.00	OK
6/1/2021	1:00:03 PM	96	0.00	OK	0.00	OK
6/1/2021	1:00:19 PM	97	0.00	OK	1.40	OK
6/1/2021	1:00:43 PM	98	0.00	OK	0.00	OK
6/1/2021	1:00:58 PM	99	0.00	OK	0.00	OK
6/1/2021	1:01:22 PM	100	0.00	OK	0.00	OK
6/1/2021	1:01:49 PM	101	0.00	OK	0.00	OK
6/1/2021	1:02:19 PM	102	0.00	OK	0.00	OK
6/1/2021	1:02:43 PM	103	0.00	OK	0.00	OK
6/1/2021	1:03:10 PM	104	0.00	OK	0.00	OK
6/1/2021	1:04:04 PM	105	0.00	OK	0.00	OK
6/1/2021	1:04:22 PM	106	0.00	OK	0.00	OK
6/1/2021	1:04:49 PM	107	0.00	OK	1.50	OK
6/1/2021	1:05:06 PM	108	0.00	OK	0.00	OK
6/1/2021	1:05:52 PM	109	0.00	OK	0.00	OK
6/1/2021	1:06:11 PM	110	0.00	OK	0.00	OK
6/1/2021	1:06:31 PM	111	0.00	OK	0.00	OK
6/1/2021	1:06:51 PM	112	0.00	OK	0.00	OK
6/1/2021	1:07:11 PM	113	0.00	OK	0.00	OK
6/1/2021	1:07:47 PM	114	0.00	OK	0.00	OK
6/1/2021	1:08:17 PM	115	0.00	OK	0.00	OK

**2nd Quarter 2021 Surface Emissions Monitoring
Southeast County Landfill, Hillsborough County, Florida
Sections 7-9**

Date	Time	Tag #	Background Concentration (ppm)	Comment	Concentration (ppm)	Comment
6/1/2021	1:08:46 PM	116	0.00	OK	0.00	OK
6/1/2021	1:09:34 PM	117	0.00	OK	0.00	OK
6/1/2021	1:10:12 PM	118	0.00	OK	2.80	OK
6/1/2021	1:12:58 PM	119	0.00	OK	0.00	OK
6/1/2021	1:13:25 PM	120	0.00	OK	0.00	OK
6/1/2021	1:14:12 PM	121	0.00	OK	0.00	OK
6/1/2021	1:14:46 PM	122	0.00	OK	0.00	OK
6/1/2021	1:15:49 PM	123	0.00	OK	0.00	OK
6/1/2021	1:16:22 PM	124	0.00	OK	90.20	OK
6/1/2021	1:16:49 PM	125	0.00	OK	2.60	OK
6/1/2021	1:17:21 PM	126	0.00	OK	0.00	OK
6/1/2021	1:17:41 PM	127	0.00	OK	6.10	OK
6/1/2021	1:18:19 PM	128	0.00	OK	0.00	OK
6/1/2021	1:18:46 PM	129	0.00	OK	0.00	OK
6/1/2021	1:19:14 PM	130	0.00	OK	0.00	OK
6/1/2021	1:19:42 PM	131	0.00	OK	2.00	OK
6/1/2021	1:20:09 PM	132	0.00	OK	1.00	OK
6/1/2021	1:20:48 PM	133	0.00	OK	0.00	OK
6/1/2021	1:21:24 PM	134	0.00	OK	0.00	OK
6/1/2021	1:21:55 PM	135	0.00	OK	0.00	OK
6/1/2021	1:22:20 PM	136	0.00	OK	0.00	OK
6/1/2021	1:22:43 PM	137	0.00	OK	0.00	OK
6/1/2021	1:23:12 PM	138	0.00	OK	0.00	OK
6/1/2021	1:23:39 PM	139	0.00	OK	0.00	OK
6/1/2021	1:24:14 PM	140	0.00	OK	0.00	OK
6/1/2021	1:24:41 PM	141	0.00	OK	0.00	OK
6/1/2021	1:25:09 PM	142	0.00	OK	0.00	OK
6/1/2021	1:25:30 PM	143	0.00	OK	29.90	OK
6/1/2021	1:26:02 PM	144	0.00	OK	0.00	OK
6/1/2021	1:26:25 PM	145	0.00	OK	0.00	OK
6/1/2021	1:26:50 PM	146	0.00	OK	0.00	OK
6/1/2021	1:27:10 PM	147	0.00	OK	0.00	OK
6/1/2021	1:27:29 PM	148	0.00	OK	0.00	OK
6/1/2021	1:27:57 PM	149	0.00	OK	0.00	OK
6/1/2021	1:28:18 PM	150	0.00	OK	0.00	OK
6/1/2021	1:28:39 PM	151	0.00	OK	0.00	OK
6/1/2021	1:28:51 PM	152	0.00	OK	0.00	OK
6/1/2021	1:29:14 PM	153	0.00	OK	21.20	OK
6/1/2021	1:29:30 PM	154	0.00	OK	4.20	OK
6/1/2021	1:29:52 PM	155	0.00	OK	0.00	OK
6/1/2021	1:55:15 PM	156	0.00	OK	0.00	OK
6/1/2021	1:55:38 PM	157	0.00	OK	0.00	OK
6/1/2021	1:55:58 PM	158	0.00	OK	0.00	OK
6/1/2021	1:56:17 PM	159	0.00	OK	0.00	OK
6/1/2021	1:56:42 PM	160	0.00	OK	0.00	OK
6/1/2021	1:57:05 PM	161	0.00	OK	0.00	OK
6/1/2021	1:57:13 PM	162	0.00	OK	0.00	OK
6/1/2021	1:57:31 PM	163	0.00	OK	0.00	OK
6/1/2021	1:57:53 PM	164	0.00	OK	0.00	OK
6/1/2021	1:58:20 PM	165	0.00	OK	0.00	OK
6/1/2021	1:58:40 PM	166	0.00	OK	0.00	OK
6/1/2021	1:59:02 PM	167	0.00	OK	0.00	OK
6/1/2021	1:59:26 PM	168	0.00	OK	0.00	OK
6/1/2021	1:59:52 PM	169	0.00	OK	0.00	OK
6/1/2021	2:00:02 PM	170	0.00	OK	0.00	OK
6/1/2021	2:00:19 PM	171	0.00	OK	0.00	OK
6/1/2021	2:00:36 PM	172	0.00	OK	0.00	OK
6/1/2021	2:00:59 PM	173	0.00	OK	0.00	OK

**2nd Quarter 2021 Surface Emissions Monitoring
Southeast County Landfill, Hillsborough County, Florida
Sections 7-9**

Date	Time	Tag #	Background Concentration (ppm)	Comment	Concentration (ppm)	Comment
6/1/2021	2:01:17 PM	174	0.00	OK	0.00	OK
6/1/2021	2:01:38 PM	175	0.00	OK	0.00	OK
6/1/2021	2:02:00 PM	176	0.00	OK	0.00	OK
6/1/2021	2:02:25 PM	177	0.00	OK	0.00	OK
6/1/2021	2:02:44 PM	178	0.00	OK	0.00	OK
6/1/2021	2:03:02 PM	179	0.00	OK	0.00	OK
6/1/2021	2:03:26 PM	180	0.00	OK	0.00	OK
6/1/2021	2:04:00 PM	181	0.00	OK	0.00	OK
6/1/2021	2:04:16 PM	182	0.00	OK	0.00	OK
6/1/2021	2:04:41 PM	183	0.00	OK	0.00	OK
6/1/2021	2:05:02 PM	184	0.00	OK	0.00	OK
6/1/2021	2:05:20 PM	185	0.00	OK	0.00	OK
6/1/2021	2:05:46 PM	186	0.00	OK	0.00	OK
6/1/2021	2:06:11 PM	187	0.00	OK	0.00	OK
6/1/2021	2:06:28 PM	188	0.00	OK	0.00	OK
6/1/2021	2:06:48 PM	189	0.00	OK	0.00	OK
6/1/2021	2:07:15 PM	190	0.00	OK	0.00	OK
6/1/2021	2:07:38 PM	191	0.00	OK	0.00	OK
6/1/2021	2:08:01 PM	192	0.00	OK	0.00	OK
6/1/2021	2:08:05 PM	193	0.00	OK	5.20	OK
6/1/2021	2:08:29 PM	194	0.00	OK	0.00	OK
6/1/2021	2:08:52 PM	195	0.00	OK	0.00	OK
6/1/2021	2:09:09 PM	196	0.00	OK	0.00	OK
6/1/2021	2:09:28 PM	197	0.00	OK	0.00	OK
6/1/2021	2:09:49 PM	198	0.00	OK	0.00	OK
6/1/2021	2:10:12 PM	199	0.00	OK	1.70	OK
6/1/2021	2:10:29 PM	200	0.00	OK	0.00	OK
6/1/2021	2:10:44 PM	201	0.00	OK	0.00	OK
6/1/2021	2:11:13 PM	202	0.00	OK	0.00	OK
6/1/2021	2:11:27 PM	203	0.00	OK	0.00	OK
6/1/2021	2:11:42 PM	204	0.00	OK	0.00	OK
6/1/2021	2:12:02 PM	205	0.00	OK	0.00	OK
6/1/2021	2:12:28 PM	206	0.00	OK	0.00	OK
6/1/2021	2:12:51 PM	207	0.00	OK	0.00	OK
6/1/2021	2:16:53 PM	208	0.00	OK	0.00	OK
6/1/2021	2:17:03 PM	209	0.00	OK	0.00	OK
6/1/2021	2:17:17 PM	210	0.00	OK	0.00	OK
6/1/2021	2:20:28 PM	211	0.00	OK	498.90	OK
Monitoring End						

**2nd Quarter 2021 Surface Emissions Monitoring
Southeast County Landfill, Hillsborough County, Florida
Phases I-VI**

Date	Time	Location #	Background Concentration (ppm)	Comment	Concentration (ppm)	Comment
Monitoring Start						
6/2/2021	9:14:50 AM	1	0.00	OK	0.00	OK
6/2/2021	9:15:07 AM	2	0.00	OK	0.00	OK
6/2/2021	9:15:32 AM	3	0.00	OK	0.00	OK
6/2/2021	9:15:56 AM	4	0.00	OK	0.00	OK
6/2/2021	9:16:22 AM	5	0.00	OK	0.00	OK
6/2/2021	9:16:48 AM	6	0.00	OK	0.00	OK
6/2/2021	9:17:17 AM	7	0.00	OK	0.00	OK
6/2/2021	9:17:51 AM	8	0.00	OK	0.00	OK
6/2/2021	9:18:25 AM	9	0.00	OK	0.00	OK
6/2/2021	9:18:50 AM	10	0.00	OK	0.00	OK
6/2/2021	9:19:45 AM	11	0.00	OK	0.00	OK
6/2/2021	9:20:25 AM	12	0.00	OK	1.30	OK
6/2/2021	9:20:57 AM	13	0.00	OK	0.00	OK
6/2/2021	9:21:45 AM	14	0.00	OK	0.00	OK
6/2/2021	9:22:03 AM	15	0.00	OK	0.00	OK
6/2/2021	9:22:29 AM	16	0.00	OK	0.00	OK
6/2/2021	9:22:52 AM	17	0.00	OK	0.00	OK
6/2/2021	9:23:19 AM	18	0.00	OK	0.00	OK
6/2/2021	9:23:46 AM	19	0.00	OK	0.00	OK
6/2/2021	9:24:12 AM	20	0.00	OK	0.00	OK
6/2/2021	9:24:47 AM	21	0.00	OK	0.00	OK
6/2/2021	9:25:09 AM	22	0.00	OK	0.00	OK
6/2/2021	9:25:34 AM	23	0.00	OK	0.00	OK
6/2/2021	9:26:09 AM	24	0.00	OK	0.00	OK
6/2/2021	9:26:44 AM	25	0.00	OK	0.00	OK
6/2/2021	9:27:06 AM	26	0.00	OK	0.00	OK
6/2/2021	9:27:25 AM	27	0.00	OK	0.00	OK
6/2/2021	9:27:42 AM	28	0.00	OK	0.00	OK
6/2/2021	9:28:04 AM	29	0.00	OK	0.00	OK
6/2/2021	9:28:25 AM	30	0.00	OK	0.00	OK
6/2/2021	9:28:45 AM	31	0.00	OK	0.00	OK
6/2/2021	9:29:16 AM	32	0.00	OK	0.00	OK
6/2/2021	9:29:46 AM	33	0.00	OK	0.00	OK
6/2/2021	9:30:14 AM	34	0.00	OK	0.00	OK
6/2/2021	9:30:37 AM	35	0.00	OK	0.00	OK
6/2/2021	9:31:00 AM	36	0.00	OK	0.00	OK
6/2/2021	9:31:12 AM	37	0.00	OK	0.00	OK
6/2/2021	9:31:21 AM	38	0.00	OK	0.00	OK
6/2/2021	9:31:44 AM	39	0.00	OK	0.00	OK
6/2/2021	9:32:08 AM	40	0.00	OK	1.60	OK
6/2/2021	9:32:26 AM	41	0.00	OK	0.00	OK
6/2/2021	9:32:41 AM	42	0.00	OK	0.00	OK
6/2/2021	9:33:07 AM	43	0.00	OK	0.00	OK
6/2/2021	9:33:30 AM	44	0.00	OK	0.00	OK
6/2/2021	9:34:01 AM	45	0.00	OK	0.00	OK
6/2/2021	9:34:20 AM	46	0.00	OK	0.00	OK
6/2/2021	9:34:37 AM	47	0.00	OK	0.00	OK
6/2/2021	9:35:06 AM	48	0.00	OK	0.00	OK
6/2/2021	9:35:27 AM	49	0.00	OK	0.00	OK
6/2/2021	9:35:51 AM	50	0.00	OK	0.00	OK
6/2/2021	9:36:27 AM	51	0.00	OK	0.00	OK
6/2/2021	9:36:49 AM	52	0.00	OK	0.00	OK
6/2/2021	9:37:12 AM	53	0.00	OK	0.00	OK
6/2/2021	9:37:42 AM	54	0.00	OK	0.00	OK
6/2/2021	9:38:15 AM	55	0.00	OK	0.00	OK
6/2/2021	9:38:50 AM	56	0.00	OK	0.00	OK
6/2/2021	9:39:23 AM	57	0.00	OK	0.00	OK
6/2/2021	9:39:48 AM	58	0.00	OK	0.00	OK
6/2/2021	9:40:13 AM	59	0.00	OK	0.00	OK
6/2/2021	9:40:25 AM	60	0.00	OK	0.00	OK

**2nd Quarter 2021 Surface Emissions Monitoring
Southeast County Landfill, Hillsborough County, Florida
Phases I-VI**

Date	Time	Location #	Background Concentration (ppm)	Comment	Concentration (ppm)	Comment
6/2/2021	9:40:41 AM	61	0.00	OK	1.80	OK
6/2/2021	9:41:04 AM	62	0.00	OK	0.00	OK
6/2/2021	9:41:50 AM	63	0.00	OK	0.00	OK
6/2/2021	9:42:13 AM	64	0.00	OK	0.00	OK
6/2/2021	9:42:47 AM	65	0.00	OK	0.00	OK
6/2/2021	9:43:11 AM	66	0.00	OK	2.70	OK
6/2/2021	9:43:33 AM	67	0.00	OK	2.60	OK
6/2/2021	9:43:55 AM	68	0.00	OK	1.60	OK
6/2/2021	9:44:28 AM	69	0.00	OK	1.90	OK
6/2/2021	9:44:53 AM	70	0.00	OK	0.00	OK
6/2/2021	9:45:17 AM	71	0.00	OK	0.00	OK
6/2/2021	9:45:44 AM	72	0.00	OK	0.00	OK
6/2/2021	9:46:06 AM	73	0.00	OK	0.00	OK
6/2/2021	9:46:29 AM	74	0.00	OK	0.00	OK
6/2/2021	9:46:48 AM	75	0.00	OK	0.00	OK
6/2/2021	9:47:10 AM	76	0.00	OK	0.00	OK
6/2/2021	9:47:49 AM	77	0.00	OK	0.00	OK
6/2/2021	9:48:13 AM	78	0.00	OK	0.00	OK
6/2/2021	9:48:49 AM	79	0.00	OK	0.00	OK
6/2/2021	9:49:10 AM	80	0.00	OK	2.20	OK
6/2/2021	9:49:28 AM	81	0.00	OK	0.00	OK
6/2/2021	9:49:47 AM	82	0.00	OK	0.00	OK
6/2/2021	9:50:05 AM	83	0.00	OK	0.00	OK
6/2/2021	9:50:30 AM	84	0.00	OK	1.60	OK
6/2/2021	9:51:15 AM	85	0.00	OK	10.30	OK
6/2/2021	9:51:39 AM	86	0.00	OK	161.10	OK
6/2/2021	9:52:12 AM	87	0.00	OK	0.00	OK
6/2/2021	9:52:47 AM	88	0.00	OK	0.00	OK
6/2/2021	9:53:19 AM	89	0.00	OK	1.40	OK
6/2/2021	9:53:48 AM	90	0.00	OK	16.50	OK
6/2/2021	9:54:16 AM	91	0.00	OK	17.20	OK
6/2/2021	9:54:43 AM	92	0.00	OK	5.20	OK
6/2/2021	9:55:16 AM	93	0.00	OK	1.30	OK
6/2/2021	9:55:56 AM	94	0.00	OK	7.30	OK
6/2/2021	9:56:38 AM	95	0.00	OK	0.00	OK
6/2/2021	9:57:11 AM	96	0.00	OK	85.00	OK
6/2/2021	9:57:44 AM	97	0.00	OK	12.30	OK
6/2/2021	9:58:52 AM	98	0.00	OK	0.00	OK
6/2/2021	9:59:18 AM	99	0.00	OK	0.00	OK
6/2/2021	9:59:42 AM	100	0.00	OK	0.00	OK
6/2/2021	10:00:07 AM	101	0.00	OK	0.00	OK
6/2/2021	10:00:32 AM	102	0.00	OK	0.00	OK
6/2/2021	10:01:09 AM	103	0.00	OK	0.00	OK
6/2/2021	10:01:40 AM	104	0.00	OK	0.00	OK
6/2/2021	10:02:11 AM	105	0.00	OK	0.00	OK
6/2/2021	10:02:46 AM	106	0.00	OK	0.00	OK
6/2/2021	10:03:10 AM	107	0.00	OK	2.00	OK
6/2/2021	10:03:31 AM	108	0.00	OK	0.00	OK
6/2/2021	10:03:58 AM	109	0.00	OK	0.00	OK
6/2/2021	10:04:27 AM	110	0.00	OK	0.00	OK
6/2/2021	10:05:06 AM	111	0.00	OK	0.00	OK
6/2/2021	10:05:44 AM	112	0.00	OK	0.00	OK
6/2/2021	10:06:20 AM	113	0.00	OK	0.00	OK
6/2/2021	10:06:53 AM	114	0.00	OK	6.00	OK
6/2/2021	10:07:26 AM	115	0.00	OK	0.00	OK
6/2/2021	10:08:04 AM	116	0.00	OK	1.10	OK
6/2/2021	10:08:29 AM	117	0.00	OK	2.70	OK
6/2/2021	10:08:55 AM	118	0.00	OK	2.60	OK
6/2/2021	10:09:27 AM	119	0.00	OK	61.30	OK
6/2/2021	10:10:35 AM	120	0.00	OK	0.00	OK
6/2/2021	10:11:12 AM	121	0.00	OK	0.00	OK

**2nd Quarter 2021 Surface Emissions Monitoring
Southeast County Landfill, Hillsborough County, Florida
Phases I-VI**

Date	Time	Location #	Background Concentration (ppm)	Comment	Concentration (ppm)	Comment
6/2/2021	10:11:55 AM	122	0.00	OK	0.00	OK
6/2/2021	10:15:26 AM	123	0.00	OK	0.00	OK
6/2/2021	10:15:49 AM	124	0.00	OK	0.00	OK
6/2/2021	10:17:05 AM	125	0.00	OK	0.00	OK
6/2/2021	10:18:04 AM	126	0.00	OK	0.00	OK
6/2/2021	10:19:34 AM	127	0.00	OK	0.00	OK
6/2/2021	10:19:57 AM	128	0.00	OK	0.00	OK
6/2/2021	10:20:23 AM	129	0.00	OK	0.00	OK
6/2/2021	10:20:49 AM	130	0.00	OK	0.00	OK
6/2/2021	10:21:10 AM	131	0.00	OK	0.00	OK
6/2/2021	10:21:45 AM	132	0.00	OK	0.00	OK
6/2/2021	10:22:24 AM	133	0.00	OK	0.00	OK
6/2/2021	10:22:56 AM	134	0.00	OK	0.00	OK
6/2/2021	10:23:26 AM	135	0.00	OK	4.60	OK
6/2/2021	10:23:59 AM	136	0.00	OK	0.00	OK
6/2/2021	10:24:34 AM	137	0.00	OK	2.10	OK
6/2/2021	10:24:59 AM	138	0.00	OK	0.00	OK
6/2/2021	10:25:18 AM	139	0.00	OK	0.00	OK
6/2/2021	10:25:45 AM	140	0.00	OK	0.00	OK
6/2/2021	10:26:15 AM	141	0.00	OK	0.00	OK
6/2/2021	10:26:46 AM	142	0.00	OK	0.00	OK
6/2/2021	10:27:07 AM	143	0.00	OK	0.00	OK
6/2/2021	10:27:27 AM	144	0.00	OK	0.00	OK
6/2/2021	10:27:57 AM	145	0.00	OK	0.00	OK
6/2/2021	10:28:15 AM	146	0.00	OK	0.00	OK
6/2/2021	10:28:39 AM	147	0.00	OK	0.00	OK
6/2/2021	10:29:03 AM	148	0.00	OK	0.00	OK
6/2/2021	10:29:27 AM	149	0.00	OK	0.00	OK
6/2/2021	10:29:53 AM	150	0.00	OK	3.10	OK
6/2/2021	10:30:18 AM	151	0.00	OK	0.00	OK
6/2/2021	10:30:54 AM	152	0.00	OK	1.60	OK
6/2/2021	10:31:13 AM	153	0.00	OK	0.00	OK
6/2/2021	10:31:50 AM	154	0.00	OK	0.00	OK
6/2/2021	10:32:29 AM	155	0.00	OK	0.00	OK
6/2/2021	10:32:45 AM	156	0.00	OK	0.00	OK
6/2/2021	10:32:59 AM	157	0.00	OK	0.00	OK
6/2/2021	10:33:13 AM	158	0.00	OK	0.00	OK
6/2/2021	10:33:29 AM	159	0.00	OK	0.00	OK
6/2/2021	10:34:01 AM	160	0.00	OK	0.00	OK
6/2/2021	10:34:21 AM	161	0.00	OK	0.00	OK
6/2/2021	10:34:54 AM	162	0.00	OK	0.00	OK
6/2/2021	10:35:20 AM	163	0.00	OK	0.00	OK
6/2/2021	10:35:49 AM	164	0.00	OK	0.00	OK
6/2/2021	10:36:19 AM	165	0.00	OK	0.00	OK
6/2/2021	10:36:40 AM	166	0.00	OK	0.00	OK
6/2/2021	10:36:59 AM	167	0.00	OK	0.00	OK
6/2/2021	10:37:23 AM	168	0.00	OK	0.00	OK
6/2/2021	10:37:36 AM	169	0.00	OK	0.00	OK
6/2/2021	10:37:55 AM	170	0.00	OK	0.00	OK
6/2/2021	10:38:09 AM	171	0.00	OK	0.00	OK
6/2/2021	10:38:24 AM	172	0.00	OK	0.00	OK
6/2/2021	10:38:37 AM	173	0.00	OK	0.00	OK
6/2/2021	10:38:50 AM	174	0.00	OK	0.00	OK
6/2/2021	10:39:07 AM	175	0.00	OK	1.60	OK
6/2/2021	10:39:22 AM	176	0.00	OK	0.00	OK
6/2/2021	10:39:35 AM	177	0.00	OK	3.60	OK
6/2/2021	10:40:00 AM	178	0.00	OK	0.00	OK
6/2/2021	10:40:17 AM	179	0.00	OK	0.00	OK
6/2/2021	10:40:38 AM	180	0.00	OK	0.00	OK
6/2/2021	10:40:59 AM	181	0.00	OK	0.00	OK
6/2/2021	10:41:25 AM	182	0.00	OK	0.00	OK

**2nd Quarter 2021 Surface Emissions Monitoring
Southeast County Landfill, Hillsborough County, Florida
Phases I-VI**

Date	Time	Location #	Background Concentration (ppm)	Comment	Concentration (ppm)	Comment
6/2/2021	10:41:45 AM	183	0.00	OK	23.10	OK
6/2/2021	10:42:07 AM	184	0.00	OK	0.00	OK
6/2/2021	10:42:27 AM	185	0.00	OK	0.00	OK
6/2/2021	10:42:57 AM	186	0.00	OK	2.30	OK
6/2/2021	10:43:32 AM	187	0.00	OK	0.00	OK
6/2/2021	10:43:57 AM	188	0.00	OK	0.00	OK
6/2/2021	10:44:25 AM	189	0.00	OK	5.90	OK
6/2/2021	10:44:50 AM	190	0.00	OK	0.00	OK
6/2/2021	10:45:09 AM	191	0.00	OK	59.00	OK
6/2/2021	10:45:17 AM	192	0.00	OK	31.00	OK
6/2/2021	10:45:30 AM	193	0.00	OK	0.00	OK
6/2/2021	10:45:50 AM	194	0.00	OK	3.20	OK
6/2/2021	10:46:12 AM	195	0.00	OK	0.00	OK
6/2/2021	10:46:36 AM	196	0.00	OK	0.00	OK
6/2/2021	10:47:00 AM	197	0.00	OK	2.10	OK
6/2/2021	10:47:16 AM	198	0.00	OK	12.60	OK
6/2/2021	10:47:26 AM	199	0.00	OK	14.80	OK
6/2/2021	10:47:50 AM	200	0.00	OK	1.40	OK
6/2/2021	10:48:03 AM	201	0.00	OK	0.00	OK
6/2/2021	10:48:19 AM	202	0.00	OK	0.00	OK
6/2/2021	10:48:35 AM	203	0.00	OK	0.00	OK
6/2/2021	10:48:51 AM	204	0.00	OK	4.60	OK
6/2/2021	10:49:08 AM	205	0.00	OK	16.90	OK
6/2/2021	10:49:20 AM	206	0.00	OK	2.80	OK
6/2/2021	10:49:42 AM	207	0.00	OK	0.00	OK
6/2/2021	10:49:52 AM	208	0.00	OK	1.80	OK
6/2/2021	10:50:49 AM	209	0.00	OK	0.00	OK
6/2/2021	10:51:05 AM	210	0.00	OK	0.00	OK
6/2/2021	10:51:32 AM	211	0.00	OK	0.00	OK
6/2/2021	10:51:51 AM	212	0.00	OK	0.00	OK
6/2/2021	10:52:06 AM	213	0.00	OK	0.00	OK
6/2/2021	10:52:41 AM	214	0.00	OK	0.00	OK
6/2/2021	10:53:12 AM	215	0.00	OK	0.00	OK
6/2/2021	10:55:05 AM	216	0.00	OK	0.00	OK
6/2/2021	10:55:43 AM	217	0.00	OK	0.00	OK
6/2/2021	10:56:11 AM	218	0.00	OK	0.00	OK
6/2/2021	10:56:45 AM	219	0.00	OK	0.00	OK
6/2/2021	10:58:33 AM	220	0.00	OK	0.00	OK
6/2/2021	10:58:53 AM	221	0.00	OK	0.00	OK
6/2/2021	10:59:19 AM	222	0.00	OK	0.00	OK
6/2/2021	10:59:52 AM	223	0.00	OK	0.00	OK
6/2/2021	11:00:16 AM	224	0.00	OK	0.00	OK
6/2/2021	11:00:39 AM	225	0.00	OK	0.00	OK
6/2/2021	11:01:04 AM	226	0.00	OK	0.00	OK
6/2/2021	11:01:29 AM	227	0.00	OK	0.00	OK
6/2/2021	11:01:57 AM	228	0.00	OK	0.00	OK
6/2/2021	11:02:27 AM	229	0.00	OK	0.00	OK
6/2/2021	11:02:55 AM	230	0.00	OK	0.00	OK
6/2/2021	11:03:30 AM	231	0.00	OK	0.00	OK
6/2/2021	11:06:56 AM	232	0.00	OK	3.50	OK
6/2/2021	11:07:17 AM	233	0.00	OK	0.00	OK
6/2/2021	11:07:39 AM	234	0.00	OK	0.00	OK
6/2/2021	11:08:13 AM	235	0.00	OK	0.00	OK
6/2/2021	11:08:56 AM	236	0.00	OK	0.00	OK
6/2/2021	11:09:27 AM	237	0.00	OK	0.00	OK
6/2/2021	11:09:52 AM	238	0.00	OK	0.00	OK
6/2/2021	11:10:18 AM	239	0.00	OK	0.00	OK
6/2/2021	11:11:18 AM	240	0.00	OK	0.00	OK
6/2/2021	11:11:43 AM	241	0.00	OK	0.00	OK
6/2/2021	11:12:10 AM	242	0.00	OK	0.00	OK
6/2/2021	11:12:38 AM	243	0.00	OK	0.00	OK

**2nd Quarter 2021 Surface Emissions Monitoring
Southeast County Landfill, Hillsborough County, Florida
Phases I-VI**

Date	Time	Location #	Background Concentration (ppm)	Comment	Concentration (ppm)	Comment
6/2/2021	11:13:00 AM	244	0.00	OK	0.00	OK
6/2/2021	11:13:15 AM	245	0.00	OK	0.00	OK
6/2/2021	11:13:30 AM	246	0.00	OK	0.00	OK
6/2/2021	11:13:40 AM	247	0.00	OK	0.00	OK
6/2/2021	11:13:59 AM	248	0.00	OK	0.00	OK
6/2/2021	11:14:59 AM	249	0.00	OK	0.00	OK
6/2/2021	11:15:14 AM	250	0.00	OK	0.00	OK
6/2/2021	11:15:39 AM	251	0.00	OK	0.00	OK
6/2/2021	11:16:01 AM	252	0.00	OK	13.40	OK
6/2/2021	11:16:17 AM	253	0.00	OK	3.00	OK
6/2/2021	11:16:44 AM	254	0.00	OK	103.90	OK
6/2/2021	11:17:10 AM	255	0.00	OK	3.80	OK
6/2/2021	11:17:37 AM	256	0.00	OK	139.20	OK
6/2/2021	11:17:58 AM	257	0.00	OK	0.00	OK
6/2/2021	11:18:10 AM	258	0.00	OK	0.00	OK
6/2/2021	11:18:34 AM	259	0.00	OK	3.10	OK
6/2/2021	11:19:05 AM	260	0.00	OK	79.20	OK
6/2/2021	11:19:09 AM	261	0.00	OK	406.70	OK
6/2/2021	11:19:25 AM	262	0.00	OK	2431.70	HIGH ALARM
6/2/2021	11:25:57 AM	263	0.00	OK	0.00	OK
6/2/2021	11:26:33 AM	264	0.00	OK	29.10	OK
6/2/2021	11:26:57 AM	265	0.00	OK	19.60	OK
6/2/2021	11:27:15 AM	266	0.00	OK	43.10	OK
6/2/2021	11:27:39 AM	267	0.00	OK	0.00	OK
6/2/2021	11:28:14 AM	268	0.00	OK	2.70	OK
6/2/2021	11:28:46 AM	269	0.00	OK	0.00	OK
6/2/2021	11:29:23 AM	270	0.00	OK	44.80	OK
6/2/2021	11:29:28 AM	271	0.00	OK	103.10	OK
6/2/2021	11:29:56 AM	272	0.00	OK	9.30	OK
6/2/2021	11:30:33 AM	273	0.00	OK	14.80	OK
6/2/2021	11:30:59 AM	274	0.00	OK	0.00	OK
6/2/2021	11:31:25 AM	275	0.00	OK	0.00	OK
6/2/2021	11:31:57 AM	276	0.00	OK	0.00	OK
6/2/2021	11:32:48 AM	277	0.00	OK	4.40	OK
6/2/2021	11:33:16 AM	278	0.00	OK	103.50	OK
6/2/2021	11:33:42 AM	279	0.00	OK	40.10	OK
6/2/2021	11:34:15 AM	280	0.00	OK	5.40	OK
6/2/2021	11:34:46 AM	281	0.00	OK	0.00	OK
6/2/2021	11:35:17 AM	282	0.00	OK	13.90	OK
6/2/2021	11:35:47 AM	283	0.00	OK	9.40	OK
6/2/2021	11:36:17 AM	284	0.00	OK	0.00	OK
6/2/2021	11:36:48 AM	285	0.00	OK	0.00	OK
6/2/2021	11:37:22 AM	286	0.00	OK	5.50	OK
6/2/2021	11:37:47 AM	287	0.00	OK	0.00	OK
6/2/2021	11:38:01 AM	288	0.00	OK	0.00	OK
6/2/2021	11:38:57 AM	289	0.00	OK	0.00	OK
6/2/2021	11:39:49 AM	290	0.00	OK	0.00	OK
6/2/2021	11:40:24 AM	291	0.00	OK	0.00	OK
6/2/2021	11:40:52 AM	292	0.00	OK	0.00	OK
6/2/2021	11:41:17 AM	293	0.00	OK	0.00	OK
6/2/2021	11:43:05 AM	294	0.00	OK	0.00	OK
6/2/2021	11:43:35 AM	295	0.00	OK	0.00	OK
6/2/2021	11:43:59 AM	296	0.00	OK	0.00	OK
6/2/2021	11:44:27 AM	297	0.00	OK	0.00	OK
6/2/2021	11:44:53 AM	298	0.00	OK	0.00	OK
6/2/2021	11:45:16 AM	299	0.00	OK	0.00	OK
6/2/2021	11:45:39 AM	300	0.00	OK	0.00	OK
6/2/2021	11:45:56 AM	301	0.00	OK	0.00	OK
6/2/2021	11:46:25 AM	302	0.00	OK	0.00	OK
6/2/2021	11:46:51 AM	303	0.00	OK	0.00	OK
6/2/2021	11:47:13 AM	304	0.00	OK	0.00	OK

**2nd Quarter 2021 Surface Emissions Monitoring
Southeast County Landfill, Hillsborough County, Florida
Phases I-VI**

Date	Time	Location #	Background Concentration (ppm)	Comment	Concentration (ppm)	Comment
6/2/2021	11:47:37 AM	305	0.00	OK	0.00	OK
6/2/2021	11:48:10 AM	306	0.00	OK	0.00	OK
6/2/2021	11:48:28 AM	307	0.00	OK	0.00	OK
6/2/2021	11:48:38 AM	308	0.00	OK	0.00	OK
6/2/2021	11:49:01 AM	309	0.00	OK	0.00	OK
6/2/2021	11:49:23 AM	310	0.00	OK	0.00	OK
6/2/2021	11:49:42 AM	311	0.00	OK	0.00	OK
6/2/2021	11:49:59 AM	312	0.00	OK	0.00	OK
6/2/2021	11:50:19 AM	313	0.00	OK	0.00	OK
6/2/2021	11:50:37 AM	314	0.00	OK	0.00	OK
6/2/2021	11:50:57 AM	315	0.00	OK	0.00	OK
6/2/2021	11:51:18 AM	316	0.00	OK	0.00	OK
6/2/2021	11:51:35 AM	317	0.00	OK	0.00	OK
6/2/2021	11:52:01 AM	318	0.00	OK	0.00	OK
6/2/2021	11:52:18 AM	319	0.00	OK	0.00	OK
6/2/2021	11:52:43 AM	320	0.00	OK	0.00	OK
6/2/2021	11:52:59 AM	321	0.00	OK	0.00	OK
6/2/2021	1:01:09 PM	322	0.00	OK	0.00	OK
6/2/2021	1:01:24 PM	323	0.00	OK	0.00	OK
6/2/2021	1:01:46 PM	324	0.00	OK	0.00	OK
6/2/2021	1:02:12 PM	325	0.00	OK	0.00	OK
6/2/2021	1:02:39 PM	326	0.00	OK	0.00	OK
6/2/2021	1:03:01 PM	327	0.00	OK	0.00	OK
6/2/2021	1:03:29 PM	328	0.00	OK	0.00	OK
6/2/2021	1:03:53 PM	329	0.00	OK	0.00	OK
6/2/2021	1:04:29 PM	330	0.00	OK	0.00	OK
6/2/2021	1:05:02 PM	331	0.00	OK	0.00	OK
6/2/2021	1:05:33 PM	332	0.00	OK	0.00	OK
6/2/2021	1:05:53 PM	333	0.00	OK	0.00	OK
6/2/2021	1:06:13 PM	334	0.00	OK	0.00	OK
6/2/2021	1:06:35 PM	335	0.00	OK	0.00	OK
6/2/2021	1:06:57 PM	336	0.00	OK	0.00	OK
6/2/2021	1:07:31 PM	337	0.00	OK	0.00	OK
6/2/2021	1:07:58 PM	338	0.00	OK	0.00	OK
6/2/2021	1:08:24 PM	339	0.00	OK	0.00	OK
6/2/2021	1:08:54 PM	340	0.00	OK	0.00	OK
6/2/2021	1:09:22 PM	341	0.00	OK	0.00	OK
6/2/2021	1:09:49 PM	342	0.00	OK	0.00	OK
6/2/2021	1:10:16 PM	343	0.00	OK	0.00	OK
6/2/2021	1:10:44 PM	344	0.00	OK	0.00	OK
6/2/2021	1:11:15 PM	345	0.00	OK	0.00	OK
6/2/2021	1:11:43 PM	346	0.00	OK	0.00	OK
6/2/2021	1:12:11 PM	347	0.00	OK	0.00	OK
6/2/2021	1:12:40 PM	348	0.00	OK	0.00	OK
6/2/2021	1:13:08 PM	349	0.00	OK	0.00	OK
6/2/2021	1:13:29 PM	350	0.00	OK	0.00	OK
6/2/2021	1:13:53 PM	351	0.00	OK	0.00	OK
6/2/2021	1:14:11 PM	352	0.00	OK	0.00	OK
6/2/2021	1:14:29 PM	353	0.00	OK	0.00	OK
6/2/2021	1:14:48 PM	354	0.00	OK	0.00	OK
6/2/2021	1:15:06 PM	355	0.00	OK	0.00	OK
6/2/2021	1:15:24 PM	356	0.00	OK	2.70	OK
6/2/2021	1:15:36 PM	357	0.00	OK	0.00	OK
6/2/2021	1:15:53 PM	358	0.00	OK	0.00	OK
6/2/2021	1:16:14 PM	359	0.00	OK	0.00	OK
6/2/2021	1:16:31 PM	360	0.00	OK	0.00	OK
6/2/2021	1:16:52 PM	361	0.00	OK	0.00	OK
6/2/2021	1:17:08 PM	362	0.00	OK	0.00	OK
6/2/2021	1:17:23 PM	363	0.00	OK	0.00	OK
6/2/2021	1:17:44 PM	364	0.00	OK	0.00	OK
6/2/2021	1:18:02 PM	365	0.00	OK	0.00	OK

**2nd Quarter 2021 Surface Emissions Monitoring
Southeast County Landfill, Hillsborough County, Florida
Phases I-VI**

Date	Time	Location #	Background Concentration (ppm)	Comment	Concentration (ppm)	Comment
6/2/2021	1:18:27 PM	366	0.00	OK	0.00	OK
6/2/2021	1:18:42 PM	367	0.00	OK	0.00	OK
6/2/2021	1:19:05 PM	368	0.00	OK	0.00	OK
6/2/2021	1:19:25 PM	369	0.00	OK	0.00	OK
6/2/2021	1:19:36 PM	370	0.00	OK	0.00	OK
6/2/2021	1:20:01 PM	371	0.00	OK	0.00	OK
6/2/2021	1:20:18 PM	372	0.00	OK	0.00	OK
6/2/2021	1:20:43 PM	373	0.00	OK	0.00	OK
6/2/2021	1:21:06 PM	374	0.00	OK	0.00	OK
6/2/2021	1:21:29 PM	375	0.00	OK	0.00	OK
6/2/2021	1:22:03 PM	376	0.00	OK	0.00	OK
6/2/2021	1:22:28 PM	377	0.00	OK	0.00	OK
6/2/2021	1:23:04 PM	378	0.00	OK	0.00	OK
6/2/2021	1:23:25 PM	379	0.00	OK	0.00	OK
6/2/2021	1:23:50 PM	380	0.00	OK	0.00	OK
6/2/2021	1:24:09 PM	381	0.00	OK	0.00	OK
6/2/2021	1:24:37 PM	382	0.00	OK	0.00	OK
6/2/2021	1:25:13 PM	383	0.00	OK	0.00	OK
6/2/2021	1:25:45 PM	384	0.00	OK	0.00	OK
6/2/2021	1:26:13 PM	385	0.00	OK	0.00	OK
6/2/2021	1:26:32 PM	386	0.00	OK	0.00	OK
6/2/2021	1:27:10 PM	387	0.00	OK	0.00	OK
6/2/2021	1:27:38 PM	388	0.00	OK	0.00	OK
6/2/2021	1:28:02 PM	389	0.00	OK	0.00	OK
6/2/2021	1:28:31 PM	390	0.00	OK	0.00	OK
6/2/2021	1:28:58 PM	391	0.00	OK	0.00	OK
6/2/2021	1:29:20 PM	392	0.00	OK	0.00	OK
6/2/2021	1:30:23 PM	393	0.00	OK	0.00	OK
6/2/2021	1:30:55 PM	394	0.00	OK	0.00	OK
6/2/2021	1:31:24 PM	395	0.00	OK	0.00	OK
6/2/2021	1:31:42 PM	396	0.00	OK	1.40	OK
6/2/2021	1:32:06 PM	397	0.00	OK	0.00	OK
6/2/2021	1:32:35 PM	398	0.00	OK	0.00	OK
6/2/2021	1:33:04 PM	399	0.00	OK	0.00	OK
6/2/2021	1:33:32 PM	400	0.00	OK	0.00	OK
6/2/2021	1:33:47 PM	401	0.00	OK	0.00	OK
6/2/2021	1:34:06 PM	402	0.00	OK	0.00	OK
6/2/2021	1:34:30 PM	403	0.00	OK	0.00	OK
6/2/2021	1:34:54 PM	404	0.00	OK	0.00	OK
6/2/2021	1:35:22 PM	405	0.00	OK	0.00	OK
6/2/2021	1:35:52 PM	406	0.00	OK	0.00	OK
6/2/2021	1:36:12 PM	407	0.00	OK	0.00	OK
6/2/2021	1:36:36 PM	408	0.00	OK	0.00	OK
6/2/2021	1:37:10 PM	409	0.00	OK	0.00	OK
6/2/2021	1:37:43 PM	410	0.00	OK	0.00	OK
6/2/2021	1:38:08 PM	411	0.00	OK	0.00	OK
6/2/2021	1:38:25 PM	412	0.00	OK	0.00	OK
6/2/2021	1:38:47 PM	413	0.00	OK	0.00	OK
6/2/2021	1:39:21 PM	414	0.00	OK	0.00	OK
6/2/2021	1:39:43 PM	415	0.00	OK	0.00	OK
6/2/2021	1:49:18 PM	416	0.00	OK	1.10	OK
6/2/2021	1:51:15 PM	417	0.00	OK	0.00	OK
6/2/2021	1:51:23 PM	418	0.00	OK	0.00	OK
6/2/2021	1:55:49 PM	419	0.00	OK	0.00	OK
6/2/2021	1:56:06 PM	420	0.00	OK	0.00	OK
6/2/2021	1:56:26 PM	421	0.00	OK	0.00	OK
6/2/2021	1:56:39 PM	422	0.00	OK	0.00	OK
6/2/2021	1:56:47 PM	423	0.00	OK	0.00	OK
6/2/2021	1:57:03 PM	424	0.00	OK	0.00	OK
6/2/2021	1:57:41 PM	425	0.00	OK	0.00	OK
6/2/2021	1:57:49 PM	426	0.00	OK	0.00	OK

**2nd Quarter 2021 Surface Emissions Monitoring
Southeast County Landfill, Hillsborough County, Florida
Phases I-VI**

Date	Time	Location #	Background Concentration (ppm)	Comment	Concentration (ppm)	Comment
6/2/2021	1:58:01 PM	427	0.00	OK	0.00	OK
6/2/2021	1:58:19 PM	428	0.00	OK	0.00	OK
6/2/2021	1:58:37 PM	429	0.00	OK	0.00	OK
6/2/2021	1:59:09 PM	430	0.00	OK	0.00	OK
6/2/2021	1:59:34 PM	431	0.00	OK	0.00	OK
6/2/2021	2:21:53 PM	432	0.00	OK	0.00	OK
6/2/2021	2:22:38 PM	433	0.00	OK	35.30	OK
6/2/2021	2:23:18 PM	434	0.00	OK	117.10	OK
6/2/2021	2:23:47 PM	435	0.00	OK	19.70	OK
6/2/2021	2:24:08 PM	436	0.00	OK	26.30	OK
6/2/2021	2:24:32 PM	437	0.00	OK	2.40	OK
6/2/2021	2:24:52 PM	438	0.00	OK	1.80	OK
6/2/2021	2:25:15 PM	439	0.00	OK	4.20	OK
6/2/2021	2:25:39 PM	440	0.00	OK	10.40	OK
6/2/2021	2:26:11 PM	441	0.00	OK	48.70	OK
6/2/2021	2:26:55 PM	442	0.00	OK	6.60	OK
6/2/2021	2:27:29 PM	443	0.00	OK	0.00	OK
6/2/2021	2:27:52 PM	444	0.00	OK	0.00	OK
6/2/2021	2:28:15 PM	445	0.00	OK	2.80	OK
6/2/2021	2:28:55 PM	446	0.00	OK	0.00	OK
6/2/2021	2:29:18 PM	447	0.00	OK	0.00	OK
6/2/2021	2:29:36 PM	448	0.00	OK	0.00	OK
6/2/2021	2:29:58 PM	449	0.00	OK	0.00	OK
6/2/2021	2:30:26 PM	450	0.00	OK	0.00	OK
6/2/2021	2:30:55 PM	451	0.00	OK	0.00	OK
6/2/2021	2:31:18 PM	452	0.00	OK	0.00	OK
6/2/2021	2:31:39 PM	453	0.00	OK	0.00	OK
6/2/2021	2:31:59 PM	454	0.00	OK	0.00	OK
6/2/2021	2:32:20 PM	455	0.00	OK	0.00	OK
6/2/2021	2:32:34 PM	456	0.00	OK	0.00	OK
6/2/2021	2:32:53 PM	457	0.00	OK	0.00	OK
6/2/2021	2:33:17 PM	458	0.00	OK	1.50	OK
6/2/2021	2:33:43 PM	459	0.00	OK	2.90	OK
6/2/2021	2:34:07 PM	460	0.00	OK	0.00	OK
6/2/2021	2:34:35 PM	461	0.00	OK	0.00	OK
6/2/2021	2:35:00 PM	462	0.00	OK	0.00	OK
6/2/2021	2:35:21 PM	463	0.00	OK	0.00	OK
6/2/2021	2:35:46 PM	464	0.00	OK	0.00	OK
6/2/2021	2:36:11 PM	465	0.00	OK	0.00	OK
6/2/2021	2:36:40 PM	466	0.00	OK	16.90	OK
6/2/2021	2:37:39 PM	467	0.00	OK	851.50	HIGH ALARM
6/2/2021	2:39:43 PM	468	0.00	OK	277.00	OK
6/2/2021	2:40:00 PM	469	0.00	OK	9.50	OK
6/2/2021	2:40:18 PM	470	0.00	OK	0.00	OK
6/2/2021	2:40:41 PM	471	0.00	OK	0.00	OK
6/2/2021	2:41:05 PM	472	0.00	OK	15.00	OK
6/2/2021	2:41:27 PM	473	0.00	OK	116.00	OK
6/2/2021	2:41:42 PM	474	0.00	OK	37.40	OK
6/2/2021	2:42:01 PM	475	0.00	OK	19.10	OK
6/2/2021	2:42:25 PM	476	0.00	OK	15.60	OK
6/2/2021	2:42:59 PM	477	0.00	OK	26.00	OK
6/2/2021	2:43:02 PM	478	0.00	OK	17.70	OK
6/2/2021	2:43:34 PM	479	0.00	OK	25.20	OK
6/2/2021	2:44:04 PM	480	0.00	OK	165.30	OK
6/2/2021	2:44:27 PM	481	0.00	OK	22.80	OK
6/2/2021	2:44:56 PM	482	0.00	OK	59.90	OK
6/2/2021	2:45:11 PM	483	0.00	OK	19.60	OK
6/2/2021	2:45:26 PM	484	0.00	OK	56.70	OK
6/2/2021	2:45:35 PM	485	0.00	OK	932.50	HIGH ALARM
6/2/2021	2:52:52 PM	486	0.00	OK	3.80	OK
6/2/2021	2:53:17 PM	487	0.00	OK	10.30	OK

**2nd Quarter 2021 Surface Emissions Monitoring
Southeast County Landfill, Hillsborough County, Florida
Phases I-VI**

Date	Time	Location #	Background Concentration (ppm)	Comment	Concentration (ppm)	Comment
6/2/2021	2:53:38 PM	488	0.00	OK	0.00	OK
6/2/2021	2:54:00 PM	489	0.00	OK	1.30	OK
6/2/2021	2:54:14 PM	490	0.00	OK	4.10	OK
6/2/2021	2:54:27 PM	491	0.00	OK	4.00	OK
6/2/2021	2:54:54 PM	492	0.00	OK	0.00	OK
6/2/2021	2:55:34 PM	493	0.00	OK	2160.10	HIGH ALARM
6/2/2021	2:57:25 PM	494	0.00	OK	0.00	OK
6/2/2021	2:57:54 PM	495	0.00	OK	0.00	OK
6/2/2021	2:58:19 PM	496	0.00	OK	0.00	OK
6/2/2021	2:58:34 PM	497	0.00	OK	0.00	OK
6/2/2021	2:58:49 PM	498	0.00	OK	1.70	OK
6/2/2021	2:59:10 PM	499	0.00	OK	7.30	OK
6/2/2021	2:59:31 PM	500	0.00	OK	58.90	OK
6/2/2021	2:59:46 PM	501	0.00	OK	135.10	OK
6/2/2021	2:59:57 PM	502	0.00	OK	10.50	OK
6/2/2021	3:00:06 PM	503	0.00	OK	109.80	OK
6/2/2021	3:00:15 PM	504	0.00	OK	11.80	OK
6/2/2021	3:02:27 PM	505	0.00	OK	31.50	OK
6/2/2021	3:02:40 PM	506	0.00	OK	6.60	OK
6/2/2021	3:02:52 PM	507	0.00	OK	0.00	OK
6/2/2021	3:03:23 PM	508	0.00	OK	7.10	OK
6/2/2021	3:03:44 PM	509	0.00	OK	73.00	OK
6/2/2021	3:03:56 PM	510	0.00	OK	15.90	OK
6/2/2021	3:04:22 PM	511	0.00	OK	9.00	OK
6/2/2021	3:04:36 PM	512	0.00	OK	11.60	OK
6/2/2021	3:04:55 PM	513	0.00	OK	9.40	OK
6/2/2021	3:05:08 PM	514	0.00	OK	2.80	OK
6/2/2021	3:05:20 PM	515	0.00	OK	24.30	OK
6/2/2021	3:05:38 PM	516	0.00	OK	14.60	OK
6/2/2021	3:06:01 PM	517	0.00	OK	0.00	OK
6/2/2021	3:06:24 PM	518	0.00	OK	0.00	OK
6/2/2021	3:06:36 PM	519	0.00	OK	8.30	OK
6/2/2021	3:06:57 PM	520	0.00	OK	3.80	OK
6/2/2021	3:07:10 PM	521	0.00	OK	12.90	OK
6/2/2021	3:07:26 PM	522	0.00	OK	96.60	OK
6/2/2021	3:07:35 PM	523	0.00	OK	3.70	OK
6/2/2021	3:07:50 PM	524	0.00	OK	0.00	OK
6/2/2021	3:08:01 PM	525	0.00	OK	0.00	OK
6/2/2021	3:08:17 PM	526	0.00	OK	0.00	OK
6/2/2021	3:08:36 PM	527	0.00	OK	0.00	OK
6/2/2021	3:09:02 PM	528	0.00	OK	1.80	OK
6/2/2021	3:09:19 PM	529	0.00	OK	0.00	OK
6/2/2021	3:09:29 PM	530	0.00	OK	0.00	OK
6/2/2021	3:09:41 PM	531	0.00	OK	2.00	OK
6/2/2021	3:24:13 PM	532	0.00	OK	0.00	OK
6/2/2021	3:24:27 PM	533	0.00	OK	0.00	OK
6/2/2021	3:24:36 PM	534	0.00	OK	0.00	OK
6/2/2021	3:24:51 PM	535	0.00	OK	0.00	OK
6/2/2021	3:25:06 PM	536	0.00	OK	0.00	OK
6/2/2021	3:25:23 PM	537	0.00	OK	0.00	OK
6/2/2021	3:25:56 PM	538	0.00	OK	0.00	OK
6/2/2021	3:26:09 PM	539	0.00	OK	1.90	OK
6/2/2021	3:32:12 PM	540	0.00	OK	9.00	OK
6/2/2021	3:32:28 PM	541	0.00	OK	12.10	OK
6/2/2021	3:32:49 PM	542	0.00	OK	0.00	OK
6/2/2021	3:33:10 PM	543	0.00	OK	28.40	OK
6/2/2021	3:33:22 PM	544	0.00	OK	1.80	OK
6/2/2021	3:33:37 PM	545	0.00	OK	0.00	OK
6/2/2021	3:33:50 PM	546	0.00	OK	1.00	OK
6/2/2021	3:34:18 PM	547	0.00	OK	8.80	OK
6/2/2021	3:34:40 PM	548	0.00	OK	22.50	OK

**2nd Quarter 2021 Surface Emissions Monitoring
Southeast County Landfill, Hillsborough County, Florida
Phases I-VI**

Date	Time	Location #	Background Concentration (ppm)	Comment	Concentration (ppm)	Comment
6/2/2021	3:35:00 PM	549	0.00	OK	17.30	OK
6/2/2021	3:44:44 PM	550	0.00	OK	456.80	OK
Monitoring End						
2nd Quarter SEM Exceedances						
Date	Time	Exceedance Location #	Background Concentration (ppm)	Comment	Concentration (ppm)	Comment
6/2/20201	11:19:25 AM	1 (Tag 262)	0.00	OK	2431.70	HIGH ALERT
6/2/20202	2:37:39 PM	2 (Tag 461)	0.00	OK	851.50	HIGH ALERT
6/2/20203	2:45:35 PM	3 (Tag 485)	0.00	OK	932.50	HIGH ALERT
6/2/20204	2:55:34 PM	4 (Tag 493)	0.00	OK	2160.10	HIGH ALERT
2nd Quarter SEM Exceedances - 10 Day Rechecks						
Date	Time	Exceedance Location #	Background Concentration (ppm)	Comment	Concentration (ppm)	Comment
6/2/2021	1:49:18 PM	1 (Tag 262)	0.30	OK	1.10	OK
6/9/2021	12:45:00 PM	2 (Tag 461)	0.30	OK	354.30	OK
6/9/2021	12:31:00 PM	3 (Tag 485)	0.30	OK	5.50	OK
6/9/2021	1:21:00 PM	4 (Tag 493)	0.30	OK	0.00	OK
2nd Quarter SEM Exceedances - 1 Month Rechecks						
Date	Time	Exceedance Location #	Background Concentration (ppm)	Comment	Concentration (ppm)	Comment
7/1/2021	12:51:00 PM	1 (Tag 262)	0.80	OK	42.40	OK
7/1/2021	12:37:00 PM	2 (Tag 461)	0.80	OK	394.10	OK
7/1/2021	12:44:00 PM	3 (Tag 485)	0.80	OK	26.30	OK
7/1/2021	12:46:00 PM	4 (Tag 493)	0.80	OK	32.70	OK