February 25, 2022
File No. 01204082.01, Task 30

Mr. Jeffrey Gove
Director of Compliance and Enforcement
Bay Area Air Quality Management District
375 Beale Street, Suite 600
San Francisco, California 94105

TV Tracking #: 423

1. ☐ RECEIVED IN ENFORCEMENT: 02/28/2022

Subject: **Title V Semi-Annual Report of Required Monitoring; BAAQMD Rule 8-34 Semi-Annual Report, Initial NESHAP and Semi-Annual SSM Plan Report, Potrero Hills Landfill, Suisun, California (Plant No. A2039)**

Mr. Gove:

On behalf of Potrero Hills Landfill Inc. (Potrero), SCS Engineers (SCS) is submitting the Title V Semi-Annual Report of Required Monitoring; Bay Area Air Quality Management District (BAAQMD), Regulation 8, Rule 34 Semi-Annual Report; Semi-Annual Startup, Shutdown and Malfunction (SSM) Plan Report, and the National Emission Standards for Hazardous Air Pollutants (NESHAP) for the Potrero Hills Landfill in Suisun, California (Plant # A2039) to the Bay Area Air Quality Management District (BAAQMD).

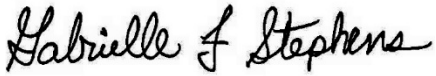
The Title V Semi-Annual Report of Required Monitoring, the BAAQMD Rule 8-34 Semi-Annual Report, Initial NESHAP and the SSM Plan Report cover the period from August 1, 2021 through January 31, 2022.

The Title V report meets the requirements specified in the Title V permit, BAAQMD guidance on Title V report submittals, and Regulation 2, Rule 6. The Title V report also includes a certification by the responsible official for the Potrero Hills Landfill, Inc. The Rule 8-34 report includes the information required by BAAQMD Rule 8-34-411. This report also satisfies the initial reporting requirement under the revised NESHAP rule for the period starting September 27, 2021. The semi-annual report also satisfies the requirements under the New Source Performance Standards (NSPS) for municipal solid waste landfills (40 California Code of Regulation [CFR] Part 60, Subpart WWW and 40 CFR Part 62, Subpart OOO which became effective on July 21, 2021), and Emission Guidelines (EG), including 40 CFR 60.757(f). The Semi-Annual SSM Plan Report satisfies the requirements under the NESHAP rule for semi-annual reporting of SSM Plan implementation including 40 CFR 63.10(d)(5)(i). This report includes a certification by the responsible official for Potrero Hills Landfill, Inc.

If you have any questions or need any additional information, please contact the undersigned at (562) 426-9544.

Sincerely,

Hannah Morse
Technical Associate
SCS ENGINEERS



Gabrielle Stephens
Project Manager
SCS ENGINEERS

Enclosures:

Title V Semi-Annual Monitoring Report (with Certification Statement)
BAAQMD Rule 8-34 and Initial NESHAP Semi-Annual Report
Semi-Annual SSM Plan Report (with Certification Statement)

cc: USEPA Region 9
Dave Jappert; Waste Connections
Jamison Pfister, Waste Connections
Natalie Hicks; Waste Connections
Kevin Iler, Waste Connections
Tom Reilly; Waste Connections
Pat Sullivan; SCS Engineers
Art Jones, SCS Field Services

Semi-Annual Startup, Shutdown, and Malfunction Plan Report
Potrero Hills Landfill
Suisun City, CA (Facility No. A2039)

Prepared for:

Potrero Hills Landfill, Inc.
3675 Potrero Hills Lane
Suisun, California 94585

For Submittal to:

Bay Area Air Quality Management District
375 Beale Street, Suite 600
San Francisco, CA 94105

SCS ENGINEERS

01204082.01, Task 30 | February 2022

3843 Brickway Boulevard, Suite 208
Santa Rosa, CA 95403
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Semi-Annual SSM Plan Report
Potrero Hills Landfill
February 2022

This semi-annual startup, shutdown, and malfunction (SSM) plan report, for the reporting period from August 1, 2021 through January 31, 2022, 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. This report contains information regarding the number, duration, and description of each SSM event. 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: Hannah Morse, SCS Engineers 02/28/22
Date

Reviewed By: Gabrielle Stephens, SCS Engineers 02/28/22
Date

Approved: 2/24/2022
Dave Jappert, District Manager, Potrero Hills Landfill, Inc. Date

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1 INTRODUCTION

The Potrero Hills Landfill (PHLF) is subject to 40 Code of Federal Regulations (CFR) Part 63, Subpart AAAA, the National Emission Standard for Hazardous Air Pollutants (NESHAPs) for Municipal Solid Waste Landfills. In accordance with NESHAPs requirements, a startup, shutdown, and malfunction (SSM) plan (SSM Plan) was prepared for the PHLF. This SSM Plan documents the procedures for operating and maintaining the affected elements of the landfill gas (LFG) collection and control system (GCCS) during startup, shutdown, and malfunction.

In addition to the requirement to prepare an SSM Plan, 40 CFR §63.10(d)(5)(i) contains provisions requiring periodic SSM Reports. At a minimum, these reports must be prepared on a semi-annual basis and must be delivered or postmarked by the last day of the month following the end of the calendar reporting period (or other period specified by the regulatory agency or permit). This SSM Report covers the period from August 1, 2021 through January 31, 2022.

Please note that beginning September 27, 2021, the new NESHAP rule went into effect, removing SSM Plan requirements. However, since the Title V permit requires SSM reporting, this report includes all SSM events after September 27, 2021.

A landfill gas to energy (LFGTE) facility, which is permitted by the BAAQMD separately from PHLF as facility No. E0139, has been the primary control system for PHLF's collected LFG since it began commercial operation on March 28, 2016. The LFGTE facility is owned and operated by Potrero Hills Energy Producers LLC (PHEP). The flare station, which is operated and maintained by PHLF, consists of two enclosed flares (A-2 and A-4) which act as supplementary emission control and/or backup control devices in the event that the LFGTE facility goes offline.

Upon commencement of the LFGTE facility operation, the majority of the LFG has been flowing to this facility instead of the flares. As a result, the flares have been offline on a regular basis. In the event the LFGTE facility shuts down, or additional control is required, one or both of the flares act as backup control devices. In the event the LFGTE facility and both flares go offline concurrently, the collection system control valves close and seal the collection system piping during the shutdown event.

This SSM Report has been organized into five sections; one for startup reporting, one for shutdown reporting, one for individual well downtime, one for malfunction, and one for SSM Plan revisions. Note that PHLF is not required to include SSM reporting for the PHEP facility, and this report is not intended to document PHEP downtime except to the extent it is required to in order to document SSM events for the PHLF GCCS.

2 STARTUP REPORTING REQUIREMENTS

During the reporting period, all startups were consistent with the provisions set forth in the PHLF's SSM Plan. The SSM Plan contains startup report forms that are filled out under certain conditions even when the startup actions are in accordance with the SSM Plan. All startup report forms for planned events from this reporting period for the entire GCCS and the flares (A-2 and A-4) are included in **Appendix A** and **Appendix B**, respectively, of this SSM Report. All downtime events for the entire GCCS during the reporting period are summarized in **Table 1a**. All downtime events for flare A-2 and A-4 are summarized in **Tables 1b** and **1c**, respectively.

In each case, the SSM Plan was successfully implemented. Specific information regarding each startup event is included in **Appendix A** and **B**. Generally speaking, each startup followed a previous shutdown (See Section 3.0).

3 SHUTDOWN REPORTING REQUIREMENTS

During the reporting period, all shutdowns were consistent with the provisions set forth in the PHLF's SSM Plan. The SSM Plan contains shutdown report forms that are filled out under certain conditions even when the shutdown actions are in accordance with the SSM Plan. All shutdown report forms for planned events from this reporting period for the entire GCCS and the flares (A-2 and A-4) are included in **Appendix A** and **Appendix B**, respectively, of this SSM report. All downtime events for the entire GCCS during the reporting period are summarized in **Table 1a**. All downtime events for flare A-2 and A-4 are summarized in **Table 1b** and **1c**, respectively.

For each shutdown event, the SSM Plan was successfully implemented. Specific information regarding each shutdown event is included in **Appendix A** and **B**. Generally speaking, each startup followed a previous shutdown (See Section 2.0).

4 INDIVIDUAL WELL DOWNTIME/STARTUP/SHUTDOWN

During the reporting period, one (1) extraction well was temporarily taken offline due to landfilling activities, as allowed under BAAQMD Rule 8-34, section 116. HC15-03, was taken offline and brought back online during the reporting period.

Please see **Table 2** and well SSM forms in **Appendix C** for details of all well shutdowns and startups.

5 MALFUNCTION REPORTING REQUIREMENTS

Several malfunction events, as defined in the landfill's SSM Plan, occurred during the reporting period. The SSM Plan contains malfunction report forms that are filled out under certain conditions even when the actions taken during the malfunction are in accordance with the SSM Plan.

During the reporting period, there was a malfunction of the Fleetzoom recorder during flare control panel upgrades on July 20, 2021 at approximately 8:34 which resulted in a loss of data through to August 31, 2021. This missing data was corrected with a new FleetZOOM Telemetry System installation. Due to the infrequency with which the flares run, it is not believed that there is substantial runtime data missing during this time period as the flares were not operational. The back-up Honeywell Data Recorder was also corrupted and the missing data was not recoverable.

Specific information regarding each malfunction event for the GCCS is provided in **Tables 1a**.

6 STARTUP, SHUTDOWN, AND MALFUNCTION PLAN REVISIONS

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.

Per 40 CFR §63.6(e)(3)(viii) requirements, if the Landfill's SSM Plan fails to address or inadequately addresses an event that meets the definition of a startup, shutdown, or malfunction, the SSM Plan

shall be revised within 45 days after the event to include procedures for operating and maintaining the appropriate equipment during a similar malfunction event, and the revised SSM Plan will be included in this semi-annual report. Additionally, if any revisions are made to the SSM Plan that alter the scope of SSM activities at the PHLF or otherwise modify the applicability of any emission limit, work practice requirement, or other requirement in 40 CFR §63, the revised SSM Plan is not effective until written notice is provided to the permitting authority describing the SSM Plan revision. In these cases, a copy of the written notification will be included in this semi-annual report along with a copy of the revised SSM Plan.

There were no SSM events that occurred during the reporting period that were not adequately addressed by the SSM Plan; and for each SSM event, the SSM Plan was successfully implemented.

Tables

Table 1a. GCCS Downtime
Potrero Hills, Landfill, Suisun City, CA
(August 1, 2021 through January 31, 2022)

Shutdown	Startup	Total Downtime Hours	Reason for Shutdown
8/27/2021 3:49	8/27/2021 4:00	0.18	DHS Fuel skid failure
10/23/2021 9:51	10/23/2021 12:06	2.25	System shutdown, possible oxygen intrusion shut down plant, flares offline
	Total GCCS Downtime	**2.43**	

Notes:

Events in bold type denotes Malfunction Events

Downtimes listed represent periods when all landfill gas combustion devices were offline concurrently (no gas flow from the collection system).
All events listed involved GCCS inspection and/or maintenance activities prior to start up (or as soon as feasible following programmed startups) in accordance with Rule 8-34-113 requirements and the BAAQMD Compliance Advisory for Municipal Solid Waste Landfills, dated November 5, 2018.

Table 1b. Flare A-2 Downtime
Potrero Hills Landfill, Suisun City, CA
(August 1, 2021 through January 31, 2022)

Shutdown	Startup	Total Downtime Hours	Total Runtime Hours	Reason for Shutdown
8/1/2021 0:00	10/27/2021 15:12	2103.21	0.00	Flare A-2 voluntary shutdown, LFGTE Plant kept in operation
10/29/2021 6:22	10/29/2021 8:12	1.83	39.17	Flare A-2 voluntary shutdown, LFGTE Plant kept in operation
10/29/2021 10:22	10/29/2021 14:33	4.17	2.17	Flare A-2 voluntary shutdown, LFGTE Plant kept in operation
10/29/2021 15:13	10/29/2021 16:32	1.33	0.67	Flare A-2 voluntary shutdown, LFGTE Plant kept in operation
11/1/2021 7:13	11/1/2021 7:44	0.51	62.68	Flare A-2 Voluntary shutdown LFGTE Plant kept in operation - pre programmed autorestart
11/2/2021 12:54	11/2/2021 15:44	2.83	29.17	Flare A-2 Voluntary shutdown Data recorder installation/testing - LFGTE plant online
11/3/2021 8:54	11/3/2021 9:14	0.33	17.17	Flare A-2 Voluntary shutdown LFGTE Plant kept in operation - pre programmed autorestart
11/3/2021 9:54	11/3/2021 10:14	0.33	0.67	Flare A-2 Voluntary shutdown LFGTE Plant kept in operation - pre programmed autorestart
11/3/2021 10:34	11/3/2021 15:44	5.17	0.33	Flare A-2 Voluntary shutdown LFGTE Plant kept in operation - low inlet pressure
11/4/2021 14:02	11/4/2021 15:34	1.53	22.30	Flare A-2 Voluntary shutdown LFGTE Plant kept in operation - low inlet pressure
11/5/2021 8:35	11/5/2021 8:55	0.33	17.00	Flare A-2 Voluntary shutdown LFGTE Plant kept in operation - pre programmed autorestart
11/8/2021 7:05	11/8/2021 13:26	6.35	70.18	Flare A-2 Voluntary shutdown LFGTE Plant kept in operation - low inlet pressure
11/9/2021 10:43	11/9/2021 16:46	6.05	21.29	Flare A-2 voluntary shutdown, LFGTE Plant kept in operation - low gas quality during construction project
11/10/2021 10:59	11/11/2021 16:45	29.75	18.22	Flare A-2 voluntary shutdown, LFGTE Plant kept in operation - data recorder replacement/testing
11/13/2021 12:59	11/15/2021 9:26	44.45	44.24	Flare A-2 voluntary shutdown, LFGTE Plant kept in operation
11/16/2021 11:45	11/16/2021 16:16	4.52	26.32	Flare A-2 voluntary shutdown, LFGTE Plant kept in operation
11/18/2021 11:32	11/18/2021 15:57	4.42	43.26	Flare A-2 voluntary shutdown, LFGTE Plant kept in operation
11/20/2021 8:09	11/22/2021 8:15	48.10	40.21	Flare A-2 voluntary shutdown, LFGTE Plant kept in operation
11/22/2021 14:04	11/22/2021 14:20	0.27	5.82	Flare A-2 Voluntary shutdown LFGTE Plant kept in operation - pre programmed autorestart
11/23/2021 8:50	11/23/2021 9:37	0.78	18.50	flares on line for maintenance plant offline
11/23/2021 10:10	11/23/2021 10:30	0.33	0.55	flares on line for maintenance plant offline
11/23/2021 10:40	11/30/2021 12:33	169.87	0.17	Flare A-2 voluntary shutdown, LFGTE Plant kept in operation
11/30/2021 15:03	12/29/2021 13:51	694.81	2.50	Flare source test - voluntary shutdown
12/30/2021 9:50	12/30/2021 16:20	6.50	19.97	Flare A-2 voluntary shutdown, LFGTE Plant kept in operation - low gas quality during construction project
12/31/2021 10:22	1/3/2022 9:43	71.35	18.04	Flare A-2 voluntary shutdown, LFGTE Plant kept in operation - low inlet pressure
1/4/2022 14:58	1/11/2022 9:05	162.12	29.26	Flare A-2 voluntary shutdown, LFGTE Plant kept in operation
1/11/2022 12:56	1/13/2022 9:33	44.62	3.83	Flare A-2 voluntary shutdown, LFGTE Plant kept in operation
1/18/2022 9:08	1/18/2022 11:08	2.00	119.58	Flare A-2 voluntary shutdown, LFGTE Plant kept in operation
1/18/2022 12:02	1/18/2022 13:24	1.37	0.90	Flare A-2 voluntary shutdown, LFGTE Plant kept in operation
1/31/2022 12:22	Continuous	11.63	310.97	Flare A-2 Offline through End of Reporting Period
	Total Downtime	**3,430.88**		
	Total Runtime		**985.11**	

Notes:

Events in bold type denotes Malfunction Events (none occurred during the reporting period)

All events listed involved inspection and/or maintenance activities prior to startup (or as soon as feasible following programmed startups) in accordance with Rule 8-34-113 requirements and the BAAQMD Compliance Advisory for Municipal Solid Waste Landfills, dated November 5, 2018.

*The flare was offline due to a malfunction during control system upgrades that caused the Fleetzoom recorder to shut down from July 20, 2021 at approximately 8:34 to July 27, 2021 at 20:40, July 28, 2021 at 11:12 to July 28, 2021 at 20:15, and July 29, 2021 at 9:14 to August 31, 2021 at 00:04.

Table 1c. Flare A-4 Downtime
Potrero Hills Landfill, Suisun City, CA
(August 1, 2021 through January 31, 2022)

Shutdown	Startup	Total Downtime Hours	Total Runtime Hours	Reason for Shutdown
8/1/2021 0:00	10/11/2021 8:07	1712.13	0.00	Flare A-4 Voluntary shutdown LFGTE Plant kept in operation
10/11/2021 14:27	10/11/2021 14:57	0.50	6.33	Flare A-4 Voluntary shutdown - LFGTE Plant kept in operation - blower upgrade install and testing
10/12/2021 4:48	10/14/2021 11:38	54.84	13.83	Flare A-4 Voluntary shutdown - LFGTE Plant kept in operation - blower upgrade install and testing
10/14/2021 11:58	10/14/2021 12:08	0.17	0.33	Flare A-4 Voluntary shutdown - LFGTE Plant kept in operation - blower upgrade install and testing
10/14/2021 12:05	10/14/2021 12:48	0.72	-0.05	Flare A-4 Voluntary shutdown - LFGTE Plant kept in operation - blower upgrade install and testing
10/14/2021 15:38	10/14/2021 15:58	0.33	2.83	Flare A-4 Voluntary shutdown - LFGTE Plant kept in operation - blower upgrade install and testing
10/14/2021 16:07	10/15/2021 8:28	16.35	0.15	Flare A-4 Voluntary shutdown LFGTE Plant kept in operation - control panel upgrade and blower adjustments
10/18/2021 6:09	11/1/2021 7:44	337.58	69.68	Flare A-4 Voluntary shutdown LFGTE Plant kept in operation
11/1/2021 8:04	11/1/2021 8:24	0.33	0.33	Flare A-4 Voluntary shutdown LFGTE Plant kept in operation - pre programmed autorestart
11/1/2021 8:34	11/1/2021 9:04	0.50	0.17	Flare A-4 Voluntary shutdown Data recorder installation/testing - LFGTE plant online
11/1/2021 10:44	11/1/2021 12:14	1.50	1.67	Flare A-4 Voluntary shutdown Data recorder installation/testing - LFGTE plant online
11/1/2021 12:24	11/1/2021 13:24	1.00	0.17	Flare A-4 Voluntary shutdown Data recorder installation/testing - LFGTE plant online
11/1/2021 14:44	11/1/2021 15:04	0.33	1.33	Flare A-4 Voluntary shutdown Data recorder installation/testing - LFGTE plant online
11/1/2021 16:04	11/23/2021 10:20	522.28	1.00	flares on line for maintenance LFGTE plant offline
11/23/2021 10:30	11/23/2021 10:50	0.33	0.17	Flare A-4 Voluntary shutdownLFGTE Plant kept in operation - pre programmed autorestart
11/23/2021 11:20	11/23/2021 13:11	1.83	0.50	Flare A-4 Voluntary shutdown LFGTE Plant kept in operation
11/23/2021 22:21	11/23/2021 22:41	0.33	9.17	Flare A-4 Voluntary shutdown LFGTE Plant kept in operation - pre programmed autorestart
11/24/2021 13:51	11/24/2021 14:11	0.33	15.17	Flare A-4 Voluntary shutdown LFGTE Plant kept in operation - pre programmed autorestart
11/29/2021 20:02	11/29/2021 20:22	0.33	125.86	Flare A-4 Voluntary shutdown LFGTE Plant kept in operation - pre programmed autorestart
11/30/2021 3:52	11/30/2021 4:12	0.33	7.50	Flare A-4 Voluntary shutdown LFGTE Plant kept in operation - pre programmed autorestart
11/30/2021 4:53	11/30/2021 5:13	0.33	0.67	Flare A-4 Voluntary shutdown LFGTE Plant kept in operation - pre programmed autorestart
11/30/2021 12:03	11/30/2021 15:13	3.17	6.84	Operated for annual source test, then shutdown - LFGTE plant in operation
12/1/2021 5:33	12/1/2021 5:51	0.30	14.33	Flare A-4 Voluntary shutdown LFGTE Plant kept in operation - pre programmed autorestart
12/5/2021 15:00	12/6/2021 7:24	16.40	105.15	Flare A-4 Voluntary shutdown due to low inlet pressureLFGTE Plant kept in operation
12/10/2021 9:15	12/10/2021 9:35	0.33	97.86	Flare A-4 Voluntary shutdown LFGTE Plant kept in operation - pre programmed autorestart
12/11/2021 8:59	12/11/2021 9:24	0.42	23.39	Flare A-4 Voluntary shutdown LFGTE Plant kept in operation - pre programmed autorestart
12/15/2021 10:30	12/15/2021 10:47	0.28	97.11	Flare A-4 Voluntary shutdown LFGTE Plant kept in operation - pre programmed autorestart
12/17/2021 7:01	12/17/2021 7:18	0.28	44.22	Flare A-4 Voluntary shutdown LFGTE Plant kept in operation - pre programmed autorestart
12/17/2021 10:44	12/17/2021 10:58	0.23	3.44	Flare A-4 Voluntary shutdown LFGTE Plant kept in operation - pre programmed autorestart
12/19/2021 16:18	12/19/2021 16:38	0.33	53.34	Flare A-4 Voluntary shutdown LFGTE Plant kept in operation - pre programmed autorestart
12/21/2021 9:49	12/21/2021 10:09	0.33	41.19	Flare A-4 Voluntary shutdown LFGTE Plant kept in operation - pre programmed autorestart

Table 1c. Flare A-4 Downtime
Potrero Hills Landfill, Suisun City, CA
(August 1, 2021 through January 31, 2022)

Shutdown	Startup	Total Downtime Hours	Total Runtime Hours	Reason for Shutdown
12/22/2021 4:29	12/22/2021 4:49	0.33	18.34	Flare A-4 Voluntary shutdown LFGTE Plant kept in operation - pre programmed autorestart
12/22/2021 16:41	12/23/2021 10:09	17.47	11.87	Flare A-4 Voluntary shutdown due to low gas quality during construction tie ins - LFGTE Plant kept in operation
12/25/2021 1:33	12/25/2021 1:50	0.28	39.39	Flare A-4 Voluntary shutdown LFGTE Plant kept in operation - pre programmed autorestart
12/26/2021 12:42	12/26/2021 13:00	0.30	34.87	Flare A-4 Voluntary shutdown LFGTE Plant kept in operation - pre programmed autorestart
12/27/2021 8:03	12/27/2021 8:21	0.30	19.05	Flare A-4 Voluntary shutdown LFGTE Plant kept in operation
12/27/2021 11:23	12/27/2021 17:01	5.63	3.03	Flare A-4 Voluntary shutdown due to low inlet pressureLFGTE Plant kept in operation
12/27/2021 20:01	12/28/2021 11:01	15.00	3.00	Flare A-4 Voluntary shutdown due to low inlet pressureLFGTE Plant kept in operation
12/28/2021 15:05	12/28/2021 18:11	3.10	4.07	Flare A-4 Voluntary shutdown due to low inlet pressureLFGTE Plant kept in operation
12/28/2021 22:01	12/29/2021 9:31	11.50	3.83	Flare A-4 Voluntary shutdown due to low inlet pressureLFGTE Plant kept in operation
12/29/2021 13:31	1/4/2022 18:26	148.92	4.00	Flare A-4 Voluntary shutdown due to low inlet pressureLFGTE Plant kept in operation
1/4/2022 20:16	1/4/2022 20:31	0.25	1.83	Flare A-4 Voluntary shutdown LFGTE Plant kept in operation - pre programmed autorestart
1/4/2022 23:57	1/5/2022 0:11	0.23	3.43	Flare A-4 Voluntary shutdown LFGTE Plant kept in operation - pre programmed autorestart
1/5/2022 4:57	1/5/2022 5:11	0.23	4.75	Flare A-4 Voluntary shutdown LFGTE Plant kept in operation - pre programmed autorestart
1/5/2022 11:27	1/5/2022 11:42	0.25	6.27	Flare A-4 Voluntary shutdown LFGTE Plant kept in operation - pre programmed autorestart
1/5/2022 16:14	1/5/2022 16:34	0.33	4.53	Flare A-4 Voluntary shutdown LFGTE Plant kept in operation - pre programmed autorestart
1/5/2022 19:34	1/5/2022 19:54	0.33	3.00	Flare A-4 Voluntary shutdown LFGTE Plant kept in operation - pre programmed autorestart
1/5/2022 20:24	1/5/2022 20:44	0.33	0.50	Flare A-4 Voluntary shutdown LFGTE Plant kept in operation - pre programmed autorestart
1/5/2022 21:14	1/5/2022 21:34	0.33	0.50	Flare A-4 Voluntary shutdown LFGTE Plant kept in operation - pre programmed autorestart
1/5/2022 22:14	1/5/2022 22:34	0.33	0.67	Flare A-4 Voluntary shutdown LFGTE Plant kept in operation - pre programmed autorestart
1/6/2022 2:34	1/6/2022 2:54	0.33	4.00	Flare A-4 Voluntary shutdown LFGTE Plant kept in operation - pre programmed autorestart
1/6/2022 13:34	1/6/2022 13:54	0.33	10.67	Flare A-4 Voluntary shutdown LFGTE Plant kept in operation - pre programmed autorestart
1/6/2022 18:14	1/6/2022 18:34	0.33	4.33	Flare A-4 Voluntary shutdown LFGTE Plant kept in operation - pre programmed autorestart
1/6/2022 21:44	1/6/2022 22:04	0.33	3.17	Flare A-4 Voluntary shutdown LFGTE Plant kept in operation - pre programmed autorestart
1/7/2022 4:44	1/7/2022 5:04	0.33	6.67	Flare A-4 Voluntary shutdown LFGTE Plant kept in operation - pre programmed autorestart
1/7/2022 9:24	1/7/2022 9:44	0.33	4.33	Flare A-4 Voluntary shutdown LFGTE Plant kept in operation - pre programmed autorestart
1/7/2022 13:04	1/7/2022 13:24	0.33	3.33	Flare A-4 Voluntary shutdown LFGTE Plant kept in operation - pre programmed autorestart
1/7/2022 16:14	1/8/2022 8:54	16.67	2.83	Flare A-4 Voluntary shutdown LFGTE Plant kept in operation - pre programmed autorestart
1/8/2022 10:44	1/8/2022 11:04	0.33	1.83	Flare A-4 Voluntary shutdown LFGTE Plant kept in operation - pre programmed autorestart
1/8/2022 15:44	1/8/2022 16:04	0.33	4.67	Flare A-4 Voluntary shutdown LFGTE Plant kept in operation - pre programmed autorestart
1/8/2022 19:08	1/8/2022 19:30	0.37	3.07	Flare A-4 Voluntary shutdown LFGTE Plant kept in operation - pre programmed autorestart
1/8/2022 23:44	1/9/2022 0:04	0.33	4.23	Flare A-4 Voluntary shutdown LFGTE Plant kept in operation - pre programmed autorestart
1/9/2022 5:24	1/9/2022 5:44	0.33	5.33	Flare A-4 Voluntary shutdown LFGTE Plant kept in operation - pre programmed autorestart
1/9/2022 10:24	1/11/2022 8:55	46.52	4.67	Flare A-4 Voluntary shutdown LFGTE Plant kept in operation - pre programmed autorestart
1/11/2022 12:56	1/11/2022 13:56	1.00	4.00	Flare A-4 Voluntary shutdown LFGTE Plant kept in operation - pre programmed autorestart
1/11/2022 20:18	1/11/2022 20:36	0.30	6.37	Flare A-4 Voluntary shutdown LFGTE Plant kept in operation - pre programmed autorestart

Table 1c. Flare A-4 Downtime
Potrero Hills Landfill, Suisun City, CA
(August 1, 2021 through January 31, 2022)

Shutdown	Startup	Total Downtime Hours	Total Runtime Hours	Reason for Shutdown
1/12/2022 3:36	1/12/2022 3:56	0.33	7.00	Flare A-4 Voluntary shutdown LFGTE Plant kept in operation - pre programmed autorestart
1/12/2022 8:46	1/12/2022 9:06	0.33	4.83	Flare A-4 Voluntary shutdown LFGTE Plant kept in operation - pre programmed autorestart
1/12/2022 12:03	1/18/2022 9:48	141.75	2.95	Flare A-4 Voluntary shutdown LFGTE Plant kept in operation - pre programmed autorestart
1/18/2022 10:28	1/18/2022 10:52	0.40	0.67	Flare A-4 Voluntary shutdown LFGTE Plant kept in operation - pre programmed autorestart
1/18/2022 10:58	1/31/2022 13:42	314.73	0.10	Flare A-4 Online through End of Reporting Period
	Total Downtime	**3,406.03**		
	Total Runtime		**999.67**	

Notes:

Events in bold type denotes Malfunction Events (none occurred during the reporting period)

All events listed involved inspection and/or maintenance activities prior to startup (or as soon as feasible following programmed startups) in accordance with Rule 8-34-113 requirements and the BAAQMD Compliance Advisory for Municipal Solid Waste Landfills, dated November 5, 2018.

*The flare was offline due to a malfunction during control system upgrades that caused the Fleetzoom recorder to shut down from July 20, 2021 at approximately 8:34 to July 27, 2021 at 20:40, July 28, 2021 at 11:12 to July 28, 2021 at 20:15, and July 29, 2021 at 9:14 to August 31, 2021 at 00:04.

Table 2. Individual Well Startups, Shutdowns and Decommissions
Potrero Hills Landfill, Suisun City, California
(August 1, 2021 through January 31, 2022)

Well ID	Shutdown	Start-up	Days Offline	Reason for Shutdown
HC15-03	11/1/2021	12/21/2021	50.0	Start up after filling and lateral re-install
PHL2101D	N/A	1/25/2022	N/A	Start up of new well
PHL2101S	N/A	1/25/2022	N/A	Start up of new well
PHL2102D	N/A	1/25/2022	N/A	Start up of new well
PHL2102S	N/A	1/25/2022	N/A	Start up of new well
PHL2104D	N/A	1/25/2022	N/A	Start up of new well
PHL2104S	N/A	1/25/2022	N/A	Start up of new well
PHL2119D	N/A	1/25/2022	N/A	Start up of new well
PHL2119S	N/A	1/25/2022	N/A	Start up of new well
PHL2120D	N/A	1/25/2022	N/A	Start up of new well
PHL2120S	N/A	1/25/2022	N/A	Start up of new well
PHL2121D	N/A	1/25/2022	N/A	Start up of new well
PHL2121S	N/A	1/25/2022	N/A	Start up of new well
PHL2122S	N/A	1/25/2022	N/A	Start up of new well
PHLLMW01	N/A	1/17/2022	N/A	Start up of new well
PHLF2103	N/A	1/13/2022	N/A	Start up of new well
PHLF2106	N/A	1/13/2022	N/A	Start up of new well
PHLF2107	N/A	1/13/2022	N/A	Start up of new well
PHLF2108	N/A	1/13/2022	N/A	Start up of new well
PHLF2109	N/A	1/13/2022	N/A	Start up of new well
PHLF2112	N/A	1/13/2022	N/A	Start up of new well
PHLF2113	N/A	1/13/2022	N/A	Start up of new well
PHL2114D	N/A	1/13/2022	N/A	Start up of new well
PHL2114S	N/A	1/13/2022	N/A	Start up of new well
PHL2115D	N/A	1/13/2022	N/A	Start up of new well
PHL2115S	N/A	1/13/2022	N/A	Start up of new well
PHL2116D	N/A	1/13/2022	N/A	Start up of new well
PHL2116S	N/A	1/13/2022	N/A	Start up of new well
PHL2117D	N/A	1/13/2022	N/A	Start up of new well
PHL2117S	N/A	1/13/2022	N/A	Start up of new well
PHL2118D	N/A	1/13/2022	N/A	Start up of new well
PHL2118S	N/A	1/13/2022	N/A	Start up of new well
PHHZ1901	N/A	12/28/2021	N/A	Start up of new well
PHHZ1902	N/A	12/28/2021	N/A	Start up of new well
PHHZ2001	N/A	12/28/2021	N/A	Start up of new well
PHHZ2002	N/A	12/28/2021	N/A	Start up of new well
PHL2123D	N/A	12/16/2021	N/A	Start up of new well
PHL2123S	N/A	12/16/2021	N/A	Start up of new well
PHL2124D	N/A	12/16/2021	N/A	Start up of new well
PHL2124S	N/A	12/16/2021	N/A	Start up of new well
PHLLMW02	N/A	11/15/2021	N/A	Start up of new well
PHLLMW02	N/A	11/15/2021	N/A	Start up of new well
EW-13-04	N/A	8/23/2021	N/A	Start up of new well

Note: All well downtime events listed are consistent with applicable Rule 8-34 provisions and BAAQMD permit conditions.

Appendix A - GCCS Startup/Shutdown/Malfunction Report Forms

BAAQMD RULE 8-34-113 EXEMPTION
CHECKLIST FOR INSPECTION/MAINTENANCE
POTRERO HILLS LANDFILL
Landfill Gas Collection and Control System

This form is used to document actions taken during a downtime event for the entire gas collection and control system when the continuous operation requirement of Rule 8-34 cannot be met. If proper inspection and maintenance activities can be completed and documented, then the limited exemption under Section 8-34-113 can be utilized. Actions must be consistent with the BAAQMD's *Compliance Advisory for Municipal Solid Waste Landfills* (November 5, 2018)
1. Type of Event: **Plant Shutdown/Flare A2 and A4 Shutdown and start up**
2. Beginning of Event: *See attached log of shutdown times*
3. End of Event: *See log for startup times*
4. Duration of Event (hours/minutes):
5. Description of Event: Plant was shutdown for maintenance or automatic safety shutdown
6. Cause/Reason for Downtime: Same as above
7. Description of Inspection Activities: Visually inspected Plant engines and flares upon restart and verified operation of all components
8. Description of Maintenance Activities: Visually inspected LFG piping, blowers and electrical panel for normal operations
9. Name and Title (please print): Art Jones for Site Personnel
10. Signature: Art Jones Date: 2/1/2022

Appendix B – Flare A-2 and A-4 Startup/Shutdown/Malfunction Report Forms

BAAQMD RULE 8-34-113 EXEMPTION
CHECKLIST FOR INSPECTION/MAINTENANCE
Note that plant was in operation during these events
POTRERO HILLS LANDFILL
Landfill Gas Collection and Control System

This form is used to document actions taken during a downtime event for the entire gas collection and control system when the continuous operation requirement of Rule 8-34 cannot be met. If proper inspection and maintenance activities can be completed and documented, then the limited exemption under Section 8-34-113 can be utilized. Actions must be consistent with the BAAQMD's *Compliance Advisory for Municipal Solid Waste Landfills* (November 5, 2018)
1. Type of Event: **Flare A2 and A4 Shutdown and start up**
2. Beginning of Event: *See attached log of shutdown times*
3. End of Event: *See log for startup times*
4. Duration of Event (hours/minutes):
5. Description of Event: Plant was shutdown for maintenance or automatic safety shutdown
6. Cause/Reason for Downtime: Same as above
7. Description of Inspection Activities: Visually inspected Plant engines and flares upon restart and verified operation of all components
8. Description of Maintenance Activities: Visually inspected LFG piping, blowers and electrical panel for normal operations
9. Name and Title (please print): Art Jones for Site Personnel
10. Signature: Art Jones Date: 2/1/2022

BAAQMD RULE 8-34-113 EXEMPTION
CHECKLIST FOR INSPECTION/MAINTENANCE
Note that plant was in operation during these events
POTRERO HILLS LANDFILL
Landfill Gas Collection and Control System

This form is used to document actions taken during a downtime event for the entire gas collection and control system when the continuous operation requirement of Rule 8-34 cannot be met. If proper inspection and maintenance activities can be completed and documented, then the limited exemption under Section 8-34-113 can be utilized. Actions must be consistent with the BAAQMD's *Compliance Advisory for Municipal Solid Waste Landfills* (November 5, 2018)
1. Type of Event: **Malfunction of the Chart Recorder**
2. Beginning of Event: July 20, 2021 at 8:34
3. End of Event: August 31, 2021 at 00:04 hours
4. Duration of Event (hours/minutes):
5. Description of Event: Malfunction of the Fleetzoom recorder during flare control panel upgrades.
6. Cause/Reason for Downtime: Same as above
7. Description of Inspection Activities: Attempted to retrieve data from Fleetzoom, discovered that it was inoperable and needed replacement.
8. Description of Maintenance Activities: Replace Fleetzoom by John Zink Company
9. Name and Title (please print): Jamison Pfister for Site Personnel
10. Signature: Jamison Pfister Date: 2/1/2022

Appendix C – Individual Well Startup/Shutdown/Malfunction Report Forms

SSM CHECKLIST FORM

Potrero Hills Landfill

Landfill Gas Collection and Control System

Start up Wells MW-01

This form is used to document actions taken during a planned startup, shutdown, or malfunction of any portion of the gas collection and control system. If any of the steps taken are not consistent with the SSM Plan, document the variations on a "SSM Plan Departure Form" and follow the reporting requirements in the SSM plan.

1. Type of Event (check all that apply) ☒ **Startup** ☐ **Shutdown** ☐ **Malfunction**

2. Beginning of Shutdown Event Date: NA

3. Beginning of Startup Event Date: 1/17/2022

4. Duration of Shutdown Event (hours): NA

5. Description of Affected Equipment: Start up of new well MW-01

6. Cause/Reason for Startup/Shutdown/Malfunction:
Initial Startup of new extraction well

7. Name and Title (please print): Daniel Haslam

8. Signature: *Anton Svorinich* 9. Date: 1/17/2022

10. Did the actual steps taken vary from the procedure specified in the SSM Plan?
If response is "Yes," proceed to box 11 below and complete an SSM Plan Departure Report Form. If "No," stop.
☐ **YES** ☒ **NO**

11. Did this event result in an exceedence of any applicable emission limitation?
If response is "Yes," proceed to box 12 below. If "No," stop.
☐ **YES** ☐ **NO**

12. Describe the emission standard that was exceeded below.

[Notify the BAAQMD verbally or by fax within 2 working days after commencing the actions that an event inconsistent with the SSM Plan and which resulted in an exceedance of an applicable emission limitation has occurred. Follow up in writing within 7 working days after the end of the event.]

SSM CHECKLIST FORM

Potrero Hills Landfill

Landfill Gas Collection and Control System

Start up Wells MW-02

This form is used to document actions taken during a planned startup, shutdown, or malfunction of any portion of the gas collection and control system. If any of the steps taken are not consistent with the SSM Plan, document the variations on a "SSM Plan Departure Form" and follow the reporting requirements in the SSM plan.

1. Type of Event (check all that apply) ☒ **Startup** ☐ **Shutdown** ☐ **Malfunction**

2. Beginning of Shutdown Event Date: NA

3. Beginning of Startup Event Date: 11/15/2021

4. Duration of Shutdown Event (hours): NA

5. Description of Affected Equipment: Start up of new well MW-02

6. Cause/Reason for Startup/Shutdown/Malfunction:
Initial Startup of new extraction well

7. Name and Title (please print): Daniel Haslam

8. Signature: *Anton Svorinich* 9. Date: 11/15/2021

10. Did the actual steps taken vary from the procedure specified in the SSM Plan?
If response is "Yes," proceed to box 11 below and complete an SSM Plan Departure Report Form. If "No," stop.
☐ **YES** ☒ **NO**

11. Did this event result in an exceedence of any applicable emission limitation?
If response is "Yes," proceed to box 12 below. If "No," stop.
☐ **YES** ☐ **NO**

12. Describe the emission standard that was exceeded below.

[Notify the BAAQMD verbally or by fax within 2 working days after commencing the actions that an event inconsistent with the SSM Plan and which resulted in an exceedance of an applicable emission limitation has occurred. Follow up in writing within 7 working days after the end of the event.]

SSM CHECKLIST FORM

Potrero Hills Landfill

Landfill Gas Collection and Control System

Start up Wells HC15-03

This form is used to document actions taken during a planned startup, shutdown, or malfunction of any portion of the gas collection and control system. If any of the steps taken are not consistent with the SSM Plan, document the variations on a "SSM Plan Departure Form" and follow the reporting requirements in the SSM plan.

1. Type of Event (check all that apply) ☒ **Startup** ☒ **Shutdown** ☐ **Malfunction**

2. Beginning of Shutdown Event Date: 11/1/2021

3. Beginning of Startup Event Date: 12/21/2021

4. Duration of Shutdown Event (hours): 51 days

5. Description of Affected Equipment: testing of well after filling complete for testing, appears to be broken

6. Cause/Reason for Startup/Shutdown/Malfunction:
Start up after filling and lateral re-install

7. Name and Title (please print): Anton Svorinich

8. Signature: *Anton Svorinich* 9. Date: 12/21/2021

10. Did the actual steps taken vary from the procedure specified in the SSM Plan?
If response is "Yes," proceed to box 11 below and complete an SSM Plan Departure Report Form. If "No," stop.
☐ **YES** ☒ **NO**

11. Did this event result in an exceedence of any applicable emission limitation?
If response is "Yes," proceed to box 12 below. If "No," stop.
☐ **YES** ☐ **NO**

12. Describe the emission standard that was exceeded below.

[Notify the BAAQMD verbally or by fax within 2 working days after commencing the actions that an event inconsistent with the SSM Plan and which resulted in an exceedance of an applicable emission limitation has occurred. Follow up in writing within 7 working days after the end of the event.]

SSM CHECKLIST FORM

Potrero Hills Landfill

Landfill Gas Collection and Control System
Start up Wells 2103, 2106, 2107, 2108, 2109, 2112, 2113, 2114S/D, 2115s/d, 2116S/D, 2117S/D, 2118S/D,

This form is used to document actions taken during a planned startup, shutdown, or malfunction of any portion of the gas collection and control system. If any of the steps taken are not consistent with the SSM Plan, document the variations on a "SSM Plan Departure Form" and follow the reporting requirements in the SSM plan.

1. Type of Event (check all that apply) ☒ **Startup** ☐ **Shutdown** ☐ **Malfunction**

2. Beginning of Shutdown Event Date: NA

3. Beginning of Startup Event Date: 1/13/2022

4. Duration of Shutdown Event (hours): NA

5. Description of Affected Equipment: Start up of new wells *2103, 2106, 2107, 2108, 2109, 2112, 2113, 2114S/D, 2115s/d, 2116S/D, 2117S/D, 2118S/D,*

6. Cause/Reason for Startup/Shutdown/Malfunction:
Initial Startup of new extraction location

7. Name and Title (please print): Anton Svorinich

8. Signature: *Anton Svorinich* 9. Date: 1/13/2022

10. Did the actual steps taken vary from the procedure specified in the SSM Plan?
If response is "Yes," proceed to box 11 below and complete an SSM Plan Departure Report Form. If "No," stop.
☐ **YES** ☒ **NO**

11. Did this event result in an exceedence of any applicable emission limitation?
If response is "Yes," proceed to box 12 below. If "No," stop.
☐ **YES** ☐ **NO**

12. Describe the emission standard that was exceeded below.

[Notify the BAAQMD verbally or by fax within 2 working days after commencing the actions that an event inconsistent with the SSM Plan and which resulted in an exceedance of an applicable emission limitation has occurred. Follow up in writing within 7 working days after the end of the event.]

SSM CHECKLIST FORM

Potrero Hills Landfill

Landfill Gas Collection and Control System

Start-up Wells PHL2122S

This form is used to document actions taken during a planned startup, shutdown, or malfunction of any portion of the gas collection and control system. If any of the steps taken are not consistent with the SSM Plan, document the variations on a "SSM Plan Departure Form" and follow the reporting requirements in the SSM plan.

1. Type of Event (check all that apply) ☒ **Startup** ☐ **Shutdown** ☐ **Malfunction**

2. Beginning of Shutdown Event Date: NA

3. Beginning of Startup Event Date: 1/25/2022

4. Duration of Shutdown Event (hours): NA

5. Description of Affected Equipment: Start up of new wells 2122S

6. Cause/Reason for Startup/Shutdown/Malfunction:
Initial Startup of new extraction well

7. Name and Title (please print): Anton Svorinich- Superintendent

8. Signature: *Anton Svorinich* 9. Date: 1/25/2022

10. Did the actual steps taken vary from the procedure specified in the SSM Plan?
If response is "Yes," proceed to box 11 below and complete an SSM Plan Departure Report Form. If "No," stop.
☐ **YES** ☒ **NO**

11. Did this event result in an exceedence of any applicable emission limitation?
If response is "Yes," proceed to box 12 below. If "No," stop.
☐ **YES** ☐ **NO**

12. Describe the emission standard that was exceeded below.

[Notify the BAAQMD verbally or by fax within 2 working days after commencing the actions that an event inconsistent with the SSM Plan and which resulted in an exceedance of an applicable emission limitation has occurred. Follow up in writing within 7 working days after the end of the event.]

SSM CHECKLIST FORM

Potrero Hills Landfill

Landfill Gas Collection and Control System
Start up Wells 2101S/D, 2102S/D, 2104S/D, 2119S/D, 2120S/D, 2121S/D

This form is used to document actions taken during a planned startup, shutdown, or malfunction of any portion of the gas collection and control system. If any of the steps taken are not consistent with the SSM Plan, document the variations on a "SSM Plan Departure Form" and follow the reporting requirements in the SSM plan.

1. Type of Event (check all that apply) ☒ **Startup** ☐ **Shutdown** ☐ **Malfunction**

2. Beginning of Shutdown Event Date: NA

3. Beginning of Startup Event Date: 1/25/2022

4. Duration of Shutdown Event (hours): NA

5. Description of Affected Equipment: Start up of new wells 2101S/D, 2102S/D, 2104S/D, 2119S/D, 2120S/D, 2121S/D

6. Cause/Reason for Startup/Shutdown/Malfunction:
Initial Startup of new extraction location

7. Name and Title (please print): Anton Svorinich

8. Signature: *Anton Svorinich* 9. Date: 1/25/2022

10. Did the actual steps taken vary from the procedure specified in the SSM Plan?
If response is "Yes," proceed to box 11 below and complete an SSM Plan Departure Report Form. If "No," stop.
☐ **YES** ☒ **NO**

11. Did this event result in an exceedence of any applicable emission limitation?
If response is "Yes," proceed to box 12 below. If "No," stop.
☐ **YES** ☐ **NO**

12. Describe the emission standard that was exceeded below.

[Notify the BAAQMD verbally or by fax within 2 working days after commencing the actions that an event inconsistent with the SSM Plan and which resulted in an exceedance of an applicable emission limitation has occurred. Follow up in writing within 7 working days after the end of the event.]

SSM CHECKLIST FORM

Potrero Hills Landfill

Landfill Gas Collection and Control System

Start up Well MW-02

This form is used to document actions taken during a planned startup, shutdown, or malfunction of any portion of the gas collection and control system. If any of the steps taken are not consistent with the SSM Plan, document the variations on a "SSM Plan Departure Form" and follow the reporting requirements in the SSM plan.

1. Type of Event (check all that apply) ☒ **Startup** ☐ **Shutdown** ☐ **Malfunction**

2. Beginning of Shutdown Event Date: NA

3. Beginning of Startup Event Date: 11/15/2021

4. Duration of Shutdown Event (hours): NA

5. Description of Affected Equipment: Start up of new well MW02

6. Cause/Reason for Startup/Shutdown/Malfunction:
Initial Startup of new extraction location

7. Name and Title (please print): Anton Svorinich

8. Signature: *Anton Svorinich* 9. Date: 11/15/2021

10. Did the actual steps taken vary from the procedure specified in the SSM Plan?
If response is "Yes," proceed to box 11 below and complete an SSM Plan Departure Report Form. If "No," stop.
☐ **YES** ☒ **NO**

11. Did this event result in an exceedence of any applicable emission limitation?
If response is "Yes," proceed to box 12 below. If "No," stop.
☐ **YES** ☐ **NO**

12. Describe the emission standard that was exceeded below.

[Notify the BAAQMD verbally or by fax within 2 working days after commencing the actions that an event inconsistent with the SSM Plan and which resulted in an exceedance of an applicable emission limitation has occurred. Follow up in writing within 7 working days after the end of the event.]

SSM CHECKLIST FORM

Potrero Hills Landfill

Landfill Gas Collection and Control System
Start-up Wells PHL2123S/D and PHL2124S/D

This form is used to document actions taken during a planned startup, shutdown, or malfunction of any portion of the gas collection and control system. If any of the steps taken are not consistent with the SSM Plan, document the variations on a "SSM Plan Departure Form" and follow the reporting requirements in the SSM plan.

1. Type of Event (check all that apply) ☒ **Startup** ☐ **Shutdown** ☐ **Malfunction**

2. Beginning of Shutdown Event Date: NA

3. Beginning of Startup Event Date: 12/16/2021

4. Duration of Shutdown Event (hours): NA

5. Description of Affected Equipment: Start up of new wells 2123S/D, 2124S/D

6. Cause/Reason for Startup/Shutdown/Malfunction:
Initial Startup of new extraction well

7. Name and Title (please print): Anton Svorinich - Superintendent

8. Signature: *Anton Svorinich* 9. Date: 12/16/2021

10. Did the actual steps taken vary from the procedure specified in the SSM Plan?
If response is "Yes," proceed to box 11 below and complete an SSM Plan Departure Report Form. If "No," stop.
☐ **YES** ☒ **NO**

11. Did this event result in an exceedence of any applicable emission limitation?
If response is "Yes," proceed to box 12 below. If "No," stop.
☐ **YES** ☐ **NO**

12. Describe the emission standard that was exceeded below.

[Notify the BAAQMD verbally or by fax within 2 working days after commencing the actions that an event inconsistent with the SSM Plan and which resulted in an exceedance of an applicable emission limitation has occurred. Follow up in writing within 7 working days after the end of the event.]

SSM CHECKLIST FORM

Potrero Hills Landfill

Landfill Gas Collection and Control System

Start up Wells PHHZ1901, PHHZ1902, PHHZ2001, PHHZ2002

This form is used to document actions taken during a planned startup, shutdown, or malfunction of any portion of the gas collection and control system. If any of the steps taken are not consistent with the SSM Plan, document the variations on a "SSM Plan Departure Form" and follow the reporting requirements in the SSM plan.

1. Type of Event (check all that apply) ☒ **Startup** ☐ **Shutdown** ☐ **Malfunction**

2. Beginning of Shutdown Event Date: NA

3. Beginning of Startup Event Date: 12/28/2021

4. Duration of Shutdown Event (hours): NA

5. Description of Affected Equipment: Start up of new wells

PHHZ1901,
PHHZ1902
PHHZ2001
PHHZ2002

6. Cause/Reason for Startup/Shutdown/Malfunction:
Initial Startup of new extraction well

7. Name and Title (please print): Daniel Haslam

8. Signature: *Anton Svorinich* 9. Date: 12/28/2021

10. Did the actual steps taken vary from the procedure specified in the SSM Plan?
If response is "Yes," proceed to box 11 below and complete an SSM Plan Departure Report Form. If "No," stop.
☐ **YES** ☒ **NO**

11. Did this event result in an exceedence of any applicable emission limitation?
If response is "Yes," proceed to box 12 below. If "No," stop.
☐ **YES** ☐ **NO**

12. Describe the emission standard that was exceeded below.

[Notify the BAAQMD verbally or by fax within 2 working days after commencing the actions that an event inconsistent with the SSM Plan and which resulted in an exceedance of an applicable emission limitation has occurred. Follow up in writing within 7 working days after the end of the event.]

SSM CHECKLIST FORM

Potrero Hills Landfill

Landfill Gas Collection and Control System

EW-13-04

This form is used to document actions taken during a planned startup, shutdown, or malfunction of any portion of the gas collection and control system. If any of the steps taken are not consistent with the SSM Plan, document the variations on a "SSM Plan Departure Form" and follow the reporting requirements in the SSM plan.

1. Type of Event (check all that apply) ☒ **Startup** ☐ **Shutdown** ☐ **Malfunction**

2. Beginning of Shutdown Event Date: 8/23/2021

3. Beginning of Startup Event Date:

4. Duration of Shutdown Event (hours):

5. Description of Affected Equipment:
Extraction Well 13-04

6. Cause/Reason for Startup/Shutdown/Malfunction:
Well activated

7. Name and Title (please print): Art Jones

8. Signature: *Art jones* 9. Date: 8/23/2021

10. Did the actual steps taken vary from the procedure specified in the SSM Plan?
If response is "Yes," proceed to box 11 below and complete an SSM Plan Departure Report Form. If "No," stop.
☐ **YES** ☒ **NO**

11. Did this event result in an exceedence of any applicable emission limitation?
If response is "Yes," proceed to box 12 below. If "No," stop.
☐ **YES** ☐ **NO**

12. Describe the emission standard that was exceeded below.

[Notify the BAAQMD verbally or by fax within 2 working days after commencing the actions that an event inconsistent with the SSM Plan and which resulted in an exceedance of an applicable emission limitation has occurred. Follow up in writing within 7 working days after the end of the event.]

SSM CHECKLIST FORM

Potrero Hills Landfill

Landfill Gas Collection and Control System

HZ1901, HZ1902, HZ2001 and HZ 2002

This form is used to document actions taken during a planned startup, shutdown, or malfunction of any portion of the gas collection and control system. If any of the steps taken are not consistent with the SSM Plan, document the variations on a "SSM Plan Departure Form" and follow the reporting requirements in the SSM plan.

1. Type of Event (check all that apply) ☐ **Startup** ☐ **Shutdown** ☒ **Malfunction**

2. Beginning of Shutdown Event Date: Not shut down but unsafe to monitor due to filling activity

3. Beginning of Startup Event Date:

4. Duration of Shutdown Event (hours):

5. Description of Affected Equipment: HZ1901, HZ1902, HZ2001 and HZ 2002

6. Cause/Reason for Startup/Shutdown/Malfunction:
These wells are in the active area. Due to lack of safe access these wells were not tested during January 2022

7. Name and Title (please print): Anton Svorinich- superintendent

8. Signature: *Anton Svorinich* 9. 2/1/2022

10. Did the actual steps taken vary from the procedure specified in the SSM Plan?
If response is "Yes," proceed to box 11 below and complete an SSM Plan Departure Report Form. If "No," stop.
☐ **YES** ☒ **NO**

11. Did this event result in an exceedence of any applicable emission limitation?
If response is "Yes," proceed to box 12 below. If "No," stop.
☐ **YES** ☐ **NO**

12. Describe the emission standard that was exceeded below.

[Notify the BAAQMD verbally or by fax within 2 working days after commencing the actions that an event inconsistent with the SSM Plan and which resulted in an exceedance of an applicable emission limitation has occurred. Follow up in writing within 7 working days after the end of the event.]

POTRERO HILLS LANDFILL, INC.

TITLE V SEMI-ANNUAL MONITORING REPORT

SITE: POTRERO HILLS LANDFILL	FACILITY ID#: A2039
REPORTING PERIOD: *from* 08/01/2021	*through* 01/31/2022

CERTIFICATION:

I declare, under penalty of perjury under the laws of the state of California, that, based on information and belief formed after reasonable inquiry, all information provided in this reporting package is true, accurate, and addresses all deviations during the reporting period:

Signature of Responsible Official

2/24/2022
Date

Dave Jappert
Name of Responsible Official (please print)

District Manager
Title of Responsible Official (please print)

Mail to:

Director of Compliance and Enforcement
BAAQMD
375 Beale Street, Suite 600
San Francisco, CA 94105
Attn: Title V reports

POTRERO HILLS LANDFILL, INC.

TITLE V SEMI-ANNUAL MONITORING REPORT

SITE: POTRERO HILLS LANDFILL	**FACILITY ID#:** A2039
REPORTING PERIOD: *from* 08/01/2021	*through* 01/31/2022

List of Permitted Sources and Abatement Device

Permit Unit Number	**Equipment Description**
S-#	**Description**
S-1	Potrero Hills MSW Landfill – Waste Decomposition Process; Equipped with Landfill Gas Collection System
S-202	Potrero Hills MSW Landfill – Waste and Cover Material Dumping
S-203	Potrero Hills MSW Landfill – Excavating, Bulldozing and Compacting Activities
S-13	Diesel IC Engine for Power Generation
S-14	Non-retail Gasoline Dispensing Facility
A-2	Landfill Gas Flare
A-4	Landfill Gas Flare

Notes:

S-13 (Diesel generator engine): No longer in service; and has not operated since prior to the start of the reporting period.

S-1, S-202, S-203, A-2, - Change of Condition (for Condition # 1948) issued in February 2014. These changes in the annual cumulative decomposable tonnage limits have not yet been incorporated into the Title V Permit.

S-33 (Emergency Diesel Engine-Generator) is currently operating under a Permit to Operate (PTO) issued on November 6, 2018, which has not yet been incorporated into the Title V Permit. All permit conditions have been reviewed for monitoring requirements and the site is in compliance.

S-36 (Emergency Diesel Engine-Generator) is currently operating under a PTO issued on November 6, 2018, which has not yet been incorporated into the Title V Permit. All permit conditions have been reviewed for monitoring requirements and the site complied with all permit conditions during the reporting period.

S-15, S-20, S-21, S-23, (Miscellaneous sources including stockpiles, composting, quarrying, and diesel engine): These sources are currently operating under PTOs issued in July 2015, which have not yet been incorporated into the Title V Permit. All permit conditions have been reviewed for monitoring requirements and the site is in compliance.

S-35, S-37, S-38, and S-39 (Tipper Engines): Tipper engines S-35 and S-37 were both operating under a PTO issued in February 2016, which had not yet been incorporated into the Title V Permit. On December 19, 2019, an Authority to Construct (ATC) for a replacement engine (S-38) for S-35 was issued. S-35 was permanently decommissioned on February 15, 2020, which was the same day S-38 commenced operation. The PTO for S-37 and S-38 was issued on March 4, 2020. In addition, on June 10, 2020 an ATC for a replacement engine (S-39) for S-37 was issued. S-37 was permanently decommissioned on August 8, 2020, and the new S-39 engine commenced operation on August 11, 2020. A PTO for S-39 was issued on August 20, 2020. All permit conditions for these tipper engines have been reviewed for monitoring requirements and the site is in compliance.

POTRERO HILLS LANDFILL, INC.

TITLE V SEMI-ANNUAL MONITORING REPORT

Site: Potrero Hills Landfill	**Facility ID#:** A2039
Permitted Unit: S-1 POTRERO HILLS LANDFILL, A-2 LANDFILL GAS FLARE AND A-4 LANDFILL GAS FLARE; S-202 WASTE AND COVER MATERIAL DUMPING; S-203 EXCAVATING, BULLDOZING, AND COMPACTING ACTIVITIES	**Reporting Period:** *from* 08/01/2021 *through* 01/31/2022

Type of Limit or Criteria	Monitoring Requirement Citation	Monitoring Type	Monitoring Frequency	Citation of Limit	Limit	Compliance	Corrective Actions Taken
Collection System Installation Dates	BAAQMD 8-34-501.7 and 501.8 and BAAQMD Condition # 1948, Parts 13b-c and 13f-g	Records	Periodic / On event basis	BAAQMD 8-34-304.1	For Inactive/Closed Areas: collection system components must be installed and operating by 2 years + 60 days after initial waste placement	Continuous	N/A
Collection System Installation Dates	BAAQMD 8-34-501.7 and 501.8 and BAAQMD Condition # 1948, Parts 13b-c and 13f-g	Records	Periodic / On event basis	BAAQMD 8-34-304.2	For Active Areas: Collection system components must be installed and operating by 5 years + 60 days after initial waste placement	Continuous	N/A

POTRERO HILLS LANDFILL, INC.

TITLE V SEMI-ANNUAL MONITORING REPORT

Site: Potrero Hills Landfill	**Facility ID#:** A2039
Permitted Unit: S-1 POTRERO HILLS LANDFILL, A-2 LANDFILL GAS FLARE AND A-4 LANDFILL GAS FLARE; S-202 WASTE AND COVER MATERIAL DUMPING; S-203 EXCAVATING, BULLDOZING, AND COMPACTING ACTIVITIES	**Reporting Period:** *from* 08/01/2021 *through* 01/31/2022

Type of Limit or Criteria	Monitoring Requirement Citation	Monitoring Type	Monitoring Frequency	Citation of Limit	Limit	Compliance	Corrective Actions Taken
Collection System Installation Dates	BAAQMD 8-34-501.7 and 501.8 and BAAQMD Condition # 1948, Parts 13a-c and 13f-g	Records	Periodic / On event basis	BAAQMD 8-34-304.3	For Any Uncontrolled Areas or Cells: collection system components must be installed and operating within 60 days after the uncontrolled area or cell accumulates 1,000,000 tons of decomposable waste	Continuous	N/A

POTRERO HILLS LANDFILL, INC.

TITLE V SEMI-ANNUAL MONITORING REPORT

Site: Potrero Hills Landfill	**Facility ID#:** A2039
Permitted Unit: S-1 POTRERO HILLS LANDFILL, A-2 LANDFILL GAS FLARE AND A-4 LANDFILL GAS FLARE; S-202 WASTE AND COVER MATERIAL DUMPING; S-203 EXCAVATING, BULLDOZING, AND COMPACTING ACTIVITIES	**Reporting Period:** *from* 08/01/2021 *through* 01/31/2022

Type of Limit or Criteria	Monitoring Requirement Citation	Monitoring Type	Monitoring Frequency	Citation of Limit	Limit	Compliance	Corrective Actions Taken
Gas Flow	BAAQMD 8-34-501.10, and 508, and Condition 1948, Part 13h	Gas Flow Meter and Recorder (every 15 minutes)	Continuous	BAAQMD 8-34-301 and 301.1	Landfill gas collection system shall operate continuously and all collected gases shall be vented to a properly operating control system	Intermittent	The flare monitor did not record flow data from the start of the reporting period until August 30, 2021. The flares were not running during that time. This was a continuation of a deviation reported in the first semi-annual report. An inoperative monitor RCA was filled out on this matter.

POTRERO HILLS LANDFILL, INC.

TITLE V SEMI-ANNUAL MONITORING REPORT

Site: Potrero Hills Landfill	**Facility ID#:** A2039
Permitted Unit: S-1 POTRERO HILLS LANDFILL, A-2 LANDFILL GAS FLARE AND A-4 LANDFILL GAS FLARE; S-202 WASTE AND COVER MATERIAL DUMPING; S-203 EXCAVATING, BULLDOZING, AND COMPACTING ACTIVITIES	**Reporting Period:** *from* 08/01/2021 *through* 01/31/2022

Type of Limit or Criteria	Monitoring Requirement Citation	Monitoring Type	Monitoring Frequency	Citation of Limit	Limit	Compliance	Corrective Actions Taken
Gas Flow	BAAQMD Condition # 1948, Parts 13 f-h	Records of Landfill Gas Flow Rates, Collection and Control Systems Downtime, and Collection System Components	Periodic / Daily	BAAQMD Condition # 1948, Parts 5 and 6	Landfill gas collection system shall operate continuously and all collected gases shall be vented to a properly operating control system	Continuous	N/A
Collection and Control Systems Shutdown Time	BAAQMD 8-34-501.1	Operating Records	Periodic / Daily	BAAQMD 8-34-113.2	≤ 240 hours per year and ≤ 5 consecutive days	Continuous	N/A
Periods of Inoperation for Parametric Monitors	BAAQMD 1-523.4	Operating Records for All Parametric Monitors	Periodic / Daily	BAAQMD 1-523.2	≤ 15 consecutive days per incident and ≤ 30 calendar days per 12-month period	Continuous	N/A

POTRERO HILLS LANDFILL, INC.

TITLE V SEMI-ANNUAL MONITORING REPORT

Site: Potrero Hills Landfill	**Facility ID#:** A2039
Permitted Unit: S-1 POTRERO HILLS LANDFILL, A-2 LANDFILL GAS FLARE AND A-4 LANDFILL GAS FLARE; S-202 WASTE AND COVER MATERIAL DUMPING; S-203 EXCAVATING, BULLDOZING, AND COMPACTING ACTIVITIES	**Reporting Period:** *from* 08/01/2021 *through* 01/31/2022

Type of Limit or Criteria	Monitoring Requirement Citation	Monitoring Type	Monitoring Frequency	Citation of Limit	Limit	Compliance	Corrective Actions Taken
Continuous Monitors	40 CFR 60.7(b)	Operating Records for All Continuous Monitors	Periodic / Daily	40 CFR 60.13(e)	Requires Continuous Operation except for breakdowns, repairs, calibration, and required span adjustments	Continuous	N/A
Wellhead Pressure	BAAQMD 8-34-414, 501.9 and 505.1	Monthly Inspection and Records	Periodic / Monthly	BAAQMD 8-34-305.1	< 0 psig	Continuous	N/A
Temperature of Gas at Wellhead	BAAQMD 8-34-414, 501.9 and 505.2	Monthly Inspection and Records	Periodic / Monthly	BAAQMD 8-34-305.2	Applies to all wells, except as specified in Condition #1948, Part 21: < 55 º C	Continuous	N/A
Gas Concentrations at Wellhead	BAAQMD 8-34-414, 501.9 and 505.3 or 505.4	Monthly Inspection and Records	Periodic / Monthly	BAAQMD 8-34-305.3 or 305.4	Applies to all wells, except as specified in Condition #1948, Part 21: N_2 < 20% by volume **OR** O_2 < 5% by volume	Continuous	N/A

POTRERO HILLS LANDFILL, INC.

TITLE V SEMI-ANNUAL MONITORING REPORT

Site: Potrero Hills Landfill	**Facility ID#:** A2039
Permitted Unit: S-1 POTRERO HILLS LANDFILL, A-2 LANDFILL GAS FLARE AND A-4 LANDFILL GAS FLARE; S-202 WASTE AND COVER MATERIAL DUMPING; S-203 EXCAVATING, BULLDOZING, AND COMPACTING ACTIVITIES	**Reporting Period:** *from* 08/01/2021 *through* 01/31/2022

Type of Limit or Criteria	Monitoring Requirement Citation	Monitoring Type	Monitoring Frequency	Citation of Limit	Limit	Compliance	Corrective Actions Taken
Alternate Operating Parameters for Specified Wellheads	BAAQMD Condition #1948, Part 21b	Monthly Inspection and Records	Periodic / Monthly/Weekly	BAAQMD Condition #1948, Part 21a	Applies to Specified Wells: Gas temperature: < 145 ^{o}F (< 63 ^{o}C) **AND** N_2 < 10% by volume OR O_2 < 5% by volume	Continuous	N/A
Carbon Monoxide for Specified Wells Subject to Alternate Wellhead Operating Parameters	BAAQMD Condition #1948, Part 21d	Monthly Inspection and Records	Periodic / Monthly/Weekly	BAAQMD Condition #1948, Part 21d	Applies to Specified Wells: < 200 ppmv, no action; > 200 ppmv but ≤ 500 ppmv, weekly monitoring; > 500 ppmv – well must be shutdown and further CO analysis performed within 1 week.	Continuous	N/A
Well Shutdown Limits for Well Raising	BAAQMD 8-34-116.5 and 501.1	Records	Periodic / Daily	BAAQMD 8-34-116.2	No more than 5 wells at a time or 10% of total collection system, whichever is less	Continuous	N/A

POTRERO HILLS LANDFILL, INC.

TITLE V SEMI-ANNUAL MONITORING REPORT

Site: Potrero Hills Landfill	**Facility ID#:** A2039
Permitted Unit: S-1 POTRERO HILLS LANDFILL, A-2 LANDFILL GAS FLARE AND A-4 LANDFILL GAS FLARE; S-202 WASTE AND COVER MATERIAL DUMPING; S-203 EXCAVATING, BULLDOZING, AND COMPACTING ACTIVITIES	**Reporting Period:** *from* 08/01/2021 *through* 01/31/2022

Type of Limit or Criteria	Monitoring Requirement Citation	Monitoring Type	Monitoring Frequency	Citation of Limit	Limit	Compliance	Corrective Actions Taken
Well Shutdown Limits for Well Raising	BAAQMD 8-34-116.5 and 501.1	Records	Periodic / Daily	BAAQMD 8-34-116.3	≤ 24 consecutive hours per well	Continuous	N/A
Well Shutdown Limits Repair, Construction, Fire	BAAQMD 8-34-117.6 and 501.1	Records	Periodic / Daily	BAAQMD 8-34-117.4	No more than 5 wells at a time or 10% of total collection system, whichever is less	Continuous	N/A
Well Shutdown Limits Repair, Construction, Fire	BAAQMD 8-34-117.6 and 501.1	Records	Periodic / Daily	BAAQMD 8-34-117.5	≤24 consecutive hours per well	Continuous	N/A
Landfill Construction Activity Limits	BAAQMD 8-34-118.9 and 501.1	Records	Periodic / Daily	BAAQMD 8-34-118.5	Excavated refuse covered immediately and disposed of ≤24 hours	Continuous	N/A
Landfill Construction Activity Limits	BAAQMD 8-34-118.9 and 501.1	Records	Periodic / Daily	BAAQMD 8-34-118.6	Drilled wells and excavated trenches covered ≤ 8 hours	Continuous	N/A

POTRERO HILLS LANDFILL, INC.

TITLE V SEMI-ANNUAL MONITORING REPORT

Site: Potrero Hills Landfill	**Facility ID#:** A2039
Permitted Unit: S-1 POTRERO HILLS LANDFILL, A-2 LANDFILL GAS FLARE AND A-4 LANDFILL GAS FLARE; S-202 WASTE AND COVER MATERIAL DUMPING; S-203 EXCAVATING, BULLDOZING, AND COMPACTING ACTIVITIES	**Reporting Period:** *from* 08/01/2021 *through* 01/31/2022

Type of Limit or Criteria	Monitoring Requirement Citation	Monitoring Type	Monitoring Frequency	Citation of Limit	Limit	Compliance	Corrective Actions Taken
TOC (Total Organic Compounds Plus Methane)	BAAQMD 8-34-501.6 and 503	Quarterly Inspection of collection and control system components with OVA and Records	Periodic / Quarterly	BAAQMD 8-34-301.2	Component leak limit: ≤1000 ppmv as methane	Continuous	N/A
TOC	BAAQMD 8-34-415, 416, 501.6, 506 and 510	Monthly Visual Inspection of Cover, Quarterly Inspection with OVA of Surface, Various Reinspection Times for Leaking Areas, and Records	Periodic /Monthly, Quarterly, and On an event basis	BAAQMD 8-34-303	Surface Leak Limit: ≤500 ppmv as methane at 2 inches above surface	Continuous	N/A

POTRERO HILLS LANDFILL, INC.

TITLE V SEMI-ANNUAL MONITORING REPORT

Site: Potrero Hills Landfill	**Facility ID#:** A2039
Permitted Unit: S-1 POTRERO HILLS LANDFILL, A-2 LANDFILL GAS FLARE AND A-4 LANDFILL GAS FLARE; S-202 WASTE AND COVER MATERIAL DUMPING; S-203 EXCAVATING, BULLDOZING, AND COMPACTING ACTIVITIES	**Reporting Period:** *from* 08/01/2021 *through* 01/31/2022

Type of Limit or Criteria	Monitoring Requirement Citation	Monitoring Type	Monitoring Frequency	Citation of Limit	Limit	Compliance	Corrective Actions Taken
Non-Methane Organic Compounds (NMOC)	BAAQMD 8-34-412 and 8-34-501.4 and BAAQMD Condition # 1948, Part 11	Initial and Annual Source Tests and Records	Periodic / Annual	BAAQMD 8-34-301.3	$\geq$ 98% removal by weight OR < 30 ppmv, dry basis @ 3% O_2, expressed as methane (applies to A-2 and A-4 Flares only)	Continuous	N/A
Temperature of Combustion Zone (CT)	BAAQMD 8-34-501.3, and 507, and BAAQMD Condition # 1948, Part 13i	Temperature Sensor and Recorder (continuous)	Continuous	BAAQMD Condition # 1948, Part 9	CT $\geq$ 1504 °F, averaged over any 3-hour period (applies to A-2 Flare only)	Intermittent	The flare monitor did not record temperature data from the start of the reporting period until August 30, 2021. The flares were not running during that time. This was a continuation of a deviation reported in the first semi-annual report. An inoperative monitor RCA was filled out on this matter.

POTRERO HILLS LANDFILL, INC.

TITLE V SEMI-ANNUAL MONITORING REPORT

Site: Potrero Hills Landfill	**Facility ID#:** A2039
Permitted Unit: S-1 POTRERO HILLS LANDFILL, A-2 LANDFILL GAS FLARE AND A-4 LANDFILL GAS FLARE; S-202 WASTE AND COVER MATERIAL DUMPING; S-203 EXCAVATING, BULLDOZING, AND COMPACTING ACTIVITIES	**Reporting Period:** *from* 08/01/2021 *through* 01/31/2022

Type of Limit or Criteria	Monitoring Requirement Citation	Monitoring Type	Monitoring Frequency	Citation of Limit	Limit	Compliance	Corrective Actions Taken
Temperature of Combustion Zone (CT)	BAAQMD 8-34-501.3 and 507, and BAAQMD Condition # 1948, Part 13i	Temperature Sensor and Recorder (continuous)	Continuous	BAAQMD Condition# 1948, Part 9	CT ≥1467 °F, averaged over any 3-hour period (applies to A-4 Flare only)	Continuous	N/A
Total Carbon	BAAQMD Condition # 1948, Part 3	Records	Periodic / On Daily	BAAQMD 8-2-301	≤ 15 pounds/day or ≤ 300 ppm, dry basis (applies only to aeration of or use as cover soil of ≤ 50 ppmw of volatile organic compounds)	Continuous	N/A
Volatile Organic Compounds	BAAQMD Condition # 1948, Parts 2 and 13d	Records	Periodic / On event basis	BAAQMD Condition # 1948, Part 2	Facility shall not accept soil containing more than 50 ppmw of VOC	Continuous	N/A
Opacity	BAAQMD Condition # 1948 Part 13e	Records of all site watering and road cleaning events	Periodic / On event basis, Monthly	BAAQMD 6-1-301	Ringelmann No. 1 for ≤ 3 minutes/hr (applies to S-202 and S-203)	Continuous	N/A

POTRERO HILLS LANDFILL, INC.

TITLE V SEMI-ANNUAL MONITORING REPORT

Site: Potrero Hills Landfill	**Facility ID#:** A2039
Permitted Unit: S-1 POTRERO HILLS LANDFILL, A-2 LANDFILL GAS FLARE AND A-4 LANDFILL GAS FLARE; S-202 WASTE AND COVER MATERIAL DUMPING; S-203 EXCAVATING, BULLDOZING, AND COMPACTING ACTIVITIES	**Reporting Period:** *from* 08/01/2021 *through* 01/31/2022

Type of Limit or Criteria	Monitoring Requirement Citation	Monitoring Type	Monitoring Frequency	Citation of Limit	Limit	Compliance	Corrective Actions Taken
Opacity	None	N/A	None	BAAQMD 6-1-301	Ringelmann No. 1 for < 3 minutes/hr (applies to A-2 and A-4 Flares)	Continuous	N/A
FP	None	N/A	None	BAAQMD 6-1-310	≤ 0.15 grains/dscf (applies to A-2 and A-4 Flares only)	Continuous	N/A
Opacity	BAAQMD Condition# 1948, Part 13e	Records of all site watering and road cleaning events	Periodic / On event basis, Monthly	SIP 6-301	Ringelmann No. 1 for ≤ 3 minutes/hr (applies to S-202 and S-203)	Continuous	N/A
Opacity	None	N/A	None	SIP 6-301	Ringelmann No. 1 for < 3 minutes/hr (applies to A-2 Flare)	Continuous	N/A
FP	None	N/A	None	SIP 6-310	≤ 0.15 grains/dscf (applies to A-2 and A-4 Flares only)	Continuous	N/A

POTRERO HILLS LANDFILL, INC.

TITLE V SEMI-ANNUAL MONITORING REPORT

Site: Potrero Hills Landfill	**Facility ID#:** A2039
Permitted Unit: S-1 POTRERO HILLS LANDFILL, A-2 LANDFILL GAS FLARE AND A-4 LANDFILL GAS FLARE; S-202 WASTE AND COVER MATERIAL DUMPING; S-203 EXCAVATING, BULLDOZING, AND COMPACTING ACTIVITIES	**Reporting Period:** *from* 08/01/2021 *through* 01/31/2022

Type of Limit or Criteria	Monitoring Requirement Citation	Monitoring Type	Monitoring Frequency	Citation of Limit	Limit	Compliance	Corrective Actions Taken
SO_2	None	N/A	None	BAAQMD 9-1-301	Property Line Ground Level Limits: ≤ 0.5 ppm for 3 minutes and ≤ 0.25 ppm for 60 min. and ≤ 0.05 ppm for 24 hours (applies to A-2 and A-4 Flares only)	Continuous	N/A
SO_2	BAAQMD Condition # 1948, Parts 10, 11d, and13j	Sulfur analysis of landfill gas and source test	Periodic / Quarterly	BAAQMD Regulation 9-1-302	≤ 300 ppm, (dry basis) (applies to A-2 and A-4 Flares only)	Continuous	N/A
Total Sulfur Content in Landfill Gas	BAAQMD Condition # 1948, Part 10 and 13j	Sulfur analysis of landfill gas	Periodic / Quarterly	BAAQMD Condition # 1948, Part 10	≤ 560 ppmv of TRS, expressed as H_2S, or (≤504 ppmv of hydrogen sulfide (H_2S), when measured using a Draeger Tube	Continuous	N/A

POTRERO HILLS LANDFILL, INC.

TITLE V SEMI-ANNUAL MONITORING REPORT

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Permitted Unit: S-1 POTRERO HILLS LANDFILL, A-2 LANDFILL GAS FLARE AND A-4 LANDFILL GAS FLARE; S-202 WASTE AND COVER MATERIAL DUMPING; S-203 EXCAVATING, BULLDOZING, AND COMPACTING ACTIVITIES	**Reporting Period:** *from* 08/01/2021 *through* 01/31/2022

Type of Limit or Criteria	Monitoring Requirement Citation	Monitoring Type	Monitoring Frequency	Citation of Limit	Limit	Compliance	Corrective Actions Taken
H_2S	BAAQMD Condition # 1948, Part 16	Monitoring to be proposed by operator	Periodic / On event basis	BAAQMD 9-2-301	Property Line Ground Level Limits: ≤ 0.06 ppm, averaged over 3 minutes and ≤ 0.03 ppm averaged over 60 min.	Continuous	N/A
Amount of Waste Accepted	BAAQMD Condition # 1948, Part 13a	Records	Periodic / Daily	BAAQMD Condition # 1948, Part 1a	≤ 4430 tons/day	Continuous	N/A

POTRERO HILLS LANDFILL, INC.

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Type of Limit or Criteria	Monitoring Requirement Citation	Monitoring Type	Monitoring Frequency	Citation of Limit	Limit	Compliance	Corrective Actions Taken
Amount of Waste Accepted	BAAQMD Condition # 1948, Part 13a	Records	Periodic / Daily	BAAQMD Condition # 1948, Part 1b	≤13,100,000 tons (cumulative amount of all decomposable materials placed in landfill)	Intermittent (see following comment)	Limit increased to 16,350,000 tons per current Condition #1948; Limit has been exceeded while Potrero awaits permit for landfill expansion. Note that Potrero has provided documentation (per Cond 1948, #1b) that shows the POC limit has not been exceeded. Also, compliance status related to delayed expansion permitting is being determined as part of Potrero's current Compliance Agreement with BAAQMD, effective 5/24/18. The Compliance Agreement has been extended five times, and the current Agreement expires on April 1, 2022.

POTRERO HILLS LANDFILL, INC.

TITLE V SEMI-ANNUAL MONITORING REPORT

Site: Potrero Hills Landfill	**Facility ID#:** A2039
Permitted Unit: S-1 POTRERO HILLS LANDFILL, A-2 LANDFILL GAS FLARE AND A-4 LANDFILL GAS FLARE; S-202 WASTE AND COVER MATERIAL DUMPING; S-203 EXCAVATING, BULLDOZING, AND COMPACTING ACTIVITIES	**Reporting Period:** *from* 08/01/2021 *through* 01/31/2022

Type of Limit or Criteria	Monitoring Requirement Citation	Monitoring Type	Monitoring Frequency	Citation of Limit	Limit	Compliance	Corrective Actions Taken
Amount of Waste Accepted	BAAQMD Condition # 1948, Part 13a	Records	Periodic / Daily	BAAQMD Condition # 1948, Part 1c	≤21,800,000 yd^3 (cumulative amount of all wastes and cover materials placed in landfill)	Intermittent (see following comment)	Limit has been exceeded while Potrero awaits permit for landfill expansion. Note that Potrero has provided documentation (per Cond 1948, #1c) that shows the POC limit has not been exceeded. Also, compliance status related to delayed expansion permitting is being determined as part of Potrero's current Compliance Agreement with BAAQMD, effective 5/24/18. The Compliance Agreement has been extended five times, and the current Agreement expires on April 1, 2022.
Heat Input	BAAQMD Condition # 1948, Part 8	Records	Periodic / Daily	BAAQMD Condition # 1948, Part 8	For A-2 and A-4 combined: ≤2,049.3 MM BTU per day and ≤748,000 MM BTU per year	Continuous	N/A

POTRERO HILLS LANDFILL, INC.

TITLE V SEMI-ANNUAL MONITORING REPORT

Site: Potrero Hills Landfill	**Facility ID#:** A2039
Permitted Unit: S-1 POTRERO HILLS LANDFILL, A-2 LANDFILL GAS FLARE AND A-4 LANDFILL GAS FLARE; S-202 WASTE AND COVER MATERIAL DUMPING; S-203 EXCAVATING, BULLDOZING, AND COMPACTING ACTIVITIES	**Reporting Period:** *from* 08/01/2021 *through* 01/31/2022

Type of Limit or Criteria	Monitoring Requirement Citation	Monitoring Type	Monitoring Frequency	Citation of Limit	Limit	Compliance	Corrective Actions Taken
Heat Input	BAAQMD Condition #1948, Part 8	Records	Periodic / Daily	BAAQMD Condition #1948, Part 8a	For A-2: ≤ 1,080 MM BTU per day and ≤ 394,200 MM BTU per year	Continuous	N/A
Heat Input	BAAQMD Condition #1948, Part 8	Records	Periodic / Daily	BAAQMD Condition #1948 Part 8b	For A-4: ≤ 1,728 MM BTU per day ≤ 630,720 MM BTU per year	Continuous	N/A
NOx	BAAQMD Condition #1948, Parts 11 and 20	Source testing	Periodic / On Event Basis	BAAQMD Condition #1948 Part 17	≤ 0.06 pounds per million BTU, calculated as NO_2 (applies to A-4 Flare only)	Continuous	N/A
CO	BAAQMD Condition #1948, Parts 11 and 20	Source testing	Periodic / On Event Basis	BAAQMD Condition #1948, Part 18	≤ 0.2 pounds per million BTU (applies to A-4 Flare only)	Continuous	N/A
CO	BAAQMD Condition #1948, Parts 11 and 20	Source testing and emission calculations	Periodic / On Event Basis	BAAQMD Condition #1948, Part 19	≤ 165,500 pounds (≤ 82.25 tons) in any consecutive 12-month period from A-2 and A-4 combined	Continuous	N/A

POTRERO HILLS LANDFILL, INC.

TITLE V SEMI-ANNUAL MONITORING REPORT

Site: Potrero Hills Landfill	**Facility ID#:** A2039
Permitted Unit: S-1 POTRERO HILLS LANDFILL, A-2 LANDFILL GAS FLARE AND A-4 LANDFILL GAS FLARE; S-202 WASTE AND COVER MATERIAL DUMPING; S-203 EXCAVATING, BULLDOZING, AND COMPACTING ACTIVITIES	**Reporting Period:** *from* 08/01/2021 *through* 01/31/2022

Type of Limit or Criteria	Monitoring Requirement Citation	Monitoring Type	Monitoring Frequency	Citation of Limit	Limit	Compliance	Corrective Actions Taken
Startup Shutdown or Malfunction Procedures	40 CFR 63.1980(a-b)	Records (all occurrences, duration of each, corrective actions)	Periodic / On event basis	40 CFR 63.6(e)	Minimize Emissions by Implementing SSM Plan	Continuous	N/A

POTRERO HILLS LANDFILL, INC.

TITLE V SEMI-ANNUAL MONITORING REPORT

Site: Potrero Hills Landfill	**Facility ID#:** A2039
Permitted Unit: S-13 DIESEL IC ENGINE FOR POWER GENERATION	**Reporting Period:** *from* 02/01/2021 *through* 07/31/2021

Type of Limit or Criteria	Monitoring Requirement Citation	Monitoring Type	Monitoring Frequency	Citation of Limit	Limit	Compliance	Corrective Actions Taken
Opacity	BAAQMD Condition # 18996, Part 2	Observation for visible smoke	Periodic / On event basis	BAAQMD 6-1-303	Ringelmann 2.0 for ≤ 3 minutes in any hour	Continuous	N/A
FP	None	N/A	None	BAAQMD 6-1-310	≤ 0.15 gr/dscf	Continuous	N/A
Opacity	BAAQMD Condition # 18996, Part 2	Observation for visible smoke	Periodic / On event basis	SIP Regulation 6-303	Ringelmann 2.0 for ≤ 3 minutes in any hour	Continuous	N/A
FP	None	N/A	None	SIP Regulation 6-310	≤ 0.15 gr/dscf	Continuous	N/A
Diesel PM	CCR Title 17, §93115.13(a)	Source test data	Periodic / On event basis	CCR Title 17, §93115.7(b)(1)	For non-certified engines: 85% reduction from baseline levels or 0.01 g/bhp-hr	Continuous	N/A
NOx	BAAQMD Regulation 9-8-501, 9-8-503	Initial Source Test and Portable Analyzer	P-Initial and P/Q	BAAQMD Regulation 9-8-304.2	≤110 ppmv, corrected to 15% oxygen, dry basis	Continuous	N/A
CO	BAAQMD Regulation 9-8-501, 9-8-503	Initial Source Test and Portable Analyzer	P-Initial and P/Q	BAAQMD Regulation 9-8-304.2	≤310 ppmv, corrected to 15% oxygen, dry basis	Continuous	N/A
SO_2	None	N/A	None	BAAQMD 9-1-301	Property Line Ground Level Limits: ≤ 0.5 ppm for 3 minutes and ≤ 0.25 ppm for 60 min. and ≤	Continuous	N/A

POTRERO HILLS LANDFILL, INC.

TITLE V SEMI-ANNUAL MONITORING REPORT

Site: Potrero Hills Landfill	**Facility ID#:** A2039
Permitted Unit: S-13 DIESEL IC ENGINE FOR POWER GENERATION	**Reporting Period:** *from* 02/01/2021 *through* 07/31/2021

Type of Limit or Criteria	Monitoring Requirement Citation	Monitoring Type	Monitoring Frequency	Citation of Limit	Limit	Compliance	Corrective Actions Taken
					0.05 ppm for 24 hours		
Fuel Sulfur Content	BAAQMD Condition # 18996, Part 1	Vendor certification	Periodic / On event basis	BAAQMD 9-1-304	≤ 0.5% sulfur by weight	Continuous	N/A
Fuel Sulfur Content	BAAQMD Condition # 18996, Part 1	Vendor certification	Periodic / On event basis	BAAQMD Condition # 18996, Part 1	≤ 0.5% sulfur by weight	Continuous	N/A
Fuel Sulfur Content	BAAQMD Condition # 18996, Part 1	Vendor certification	Periodic / On event basis	CCR Title 17, §93115.5(a)	CARB diesel 0.0015% sulfur by weight and aromatic HC <10% by volume; alternative diesel fuel; or fuel meeting the Verification Procedure	Continuous	N/A
Maintenance Criteria	40 CFR Part 63, Subpart ZZZZ, Sections 63.6625, 63.6640(a), and Table 6(9)(a)	Maintenance plan and records	Periodic / On event basis	40 CFR Part 63, Subpart ZZZZ, Sections 63.6603(a), 63.6640(a), Table 2d(1)(a)	Change Oil and Filter every 1,000 hours of operation or annually, whichever comes first	Continuous	N/A
Maintenance Criteria	40 CFR Part 63, Subpart ZZZZ, Sections 63.6625, 63.6640(a), and Table 6(9)(a)	Maintenance plan and records	Periodic / On event basis	40 CFR Part 63, Subpart ZZZZ, Sections 63.6603(a), 63.6640(a), Table 2d(1)(b)	Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first, and replace as necessary	Continuous	N/A
Maintenance Criteria	40 CFR Part 63, Subpart ZZZZ, Sections 63.6625,	Maintenance plan and records	Periodic / On event basis	40 CFR Part 63, Subpart ZZZZ, Sections 63.6603(a),	Inspect all hoses and belts every 500 hours of operation or	Continuous	N/A

POTRERO HILLS LANDFILL, INC.

TITLE V SEMI-ANNUAL MONITORING REPORT

Site: Potrero Hills Landfill	**Facility ID#:** A2039
Permitted Unit: S-13 DIESEL IC ENGINE FOR POWER GENERATION	**Reporting Period:** *from* 02/01/2021 *through* 07/31/2021

Type of Limit or Criteria	Monitoring Requirement Citation	Monitoring Type	Monitoring Frequency	Citation of Limit	Limit	Compliance	Corrective Actions Taken
	63.6640(a), and Table 6(9)(a)			63.6640(a), Table 2d(1)(c)	annually, whichever comes first, and replace as necessary		

POTRERO HILLS LANDFILL, INC.

TITLE V SEMI-ANNUAL MONITORING REPORT

Site: Potrero Hills Landfill	**Facility ID#:** A2039
Permitted Unit: S-14 NON-RETAIL GASOLINE DISPENSING FACILITY	**Reporting Period:** *from* 02/01/2021 *through* 07/31/2021

Type of Limit or Criteria	Monitoring Requirement Citation	Monitoring Type	Monitoring Frequency	Citation of Limit	Limit	Compliance	Corrective Actions Taken
Gasoline Throughput	BAAQMD 8-7-501.1 and 8-7-503.1	Records	Periodic / annual	BAAQMD Condition 14098	≤940,000 gallons per 12-month period	Continuous	N/A
Throughput (exempt from Phase I)	BAAQMD 8-7-501 and 8-7-501.1 and 8-7-503.2	Records	Periodic / On event basis	BAAQMD 8-7-114	≤1000 gallons per facility for tank integrity leak checking	Continuous	N/A
Organic Compounds	BAAQMD Condition # 25107	Static pressure performance test, ST-38	Periodic / Annual	BAAQMD 8-7-301.6	All Phase I Equipment (except components with allowable leak rates) shall be leak free (≤ 3 drops/ minute) and vapor tight	Continuous	N/A
Organic Compounds	BAAQMD Condition # 25107	Static pressure performance test, ST-38	Periodic / Annual	BAAQMD 8-7-302.5	All Phase II Equipment (except components with allowable leak rates or at the nozzle/ fill-pipe interface) Shall be leak free (≤ 3 drops/ minute) and vapor tight	Continuous	N/A

POTRERO HILLS LANDFILL, INC.

TITLE V SEMI-ANNUAL MONITORING REPORT

Site: Potrero Hills Landfill	**Facility ID#:** A2039
Permitted Unit: S-14 NON-RETAIL GASOLINE DISPENSING FACILITY	**Reporting Period:** *from* 02/01/2021 *through* 07/31/2021

Type of Limit or Criteria	Monitoring Requirement Citation	Monitoring Type	Monitoring Frequency	Citation of Limit	Limit	Compliance	Corrective Actions Taken
Organic Compounds	SIP 8-5-403 and 8-5-503	Semi-Annual Inspection with Portable Hydro-carbon Detector	Periodic / On event basis	SIP 8-5-303.2	Tank Pressure Vacuum Valve Shall Be: Gas Tight or ≤500 ppmv (expressed as methane) above background for PRVs (as defined in SIP 8-5-206)	Continuous	N/A
Defective Component Repair/Replacement Time Limit	BAAQMD 8-7-503.2	Records	Periodic / On event basis	BAAQMD 8-7-302.4	≤ 7 days	Continuous	N/A
Liquid Removal Rate	CARB EO	CARB Certification Procedures	Periodic / On event basis	BAAQMD 8-7-302.8	≥ 5ml per gallon dispensed, when dispensing rate >5 gallons/minute	Continuous	N/A
Liquid Retain from Nozzles	CARB EO	CARB Certification Procedures	Periodic / On event basis	BAAQMD 8-7-302.12	≤100 ml per 1000 gallons dispensed	Continuous	N/A
Nozzle Spitting	CARB EO	CARB Certification Procedures	Periodic / On event basis	BAAQMD 8-7-302.13	≤1.0 ml per nozzle per test	Continuous	N/A

POTRERO HILLS LANDFILL, INC.

TITLE V SEMI-ANNUAL MONITORING REPORT

Site: Potrero Hills Landfill	**Facility ID#:** A2039
Permitted Unit: S-14 NON-RETAIL GASOLINE DISPENSING FACILITY	**Reporting Period:** *from* 02/01/2021 *through* 07/31/2021

Type of Limit or Criteria	Monitoring Requirement Citation	Monitoring Type	Monitoring Frequency	Citation of Limit	Limit	Compliance	Corrective Actions Taken
Pressure-Vacuum Valve Settings	CARB EO	CARB Certification Procedures	Periodic / On event basis	BAAQMD 8-7-316 and CARB EO	Pressure Setting: ≥2.5 inches of water, gauge	Continuous	N/A
Pressure-Vacuum Valve Settings	SIP 8-5-403 and CARB EO	Semi-Annual Inspection and CARB Certification Procedures	Periodic / On event basis	SIP 8-5-303.1	Pressure Setting: ≥10% of maximum working pressure or ≥0.5 psig	Continuous	N/A
Organics	CARB EO and BAAQMD 8-7-301.13 and 8-7-407 and BAAQMD Condition # 25107 40 CFR Part 63 Subpart CCCCCC	Annual Check for Vapor Tightness and Proper Operation of Vapor Recovery System	Periodic / Annual	BAAQMD 8-7-301.6	All Phase I Equipment (except components with allowable leak rates) shall be leak free (≤3 drops/minute) and vapor tight	Continuous	N/A

NSPS/BAAQMD Rule 8-34 and Initial National Emission Standards for Hazardous Air Pollutants Semi-Annual Report
Potrero Hills Landfill
Suisun City, California (Facility No. A2039)

Prepared for:

Potrero Hills Landfill, Inc.
3675 Potrero Hills Lane
Suisun, California 94585

For Submittal to:

Bay Area Air Quality Management District
375 Beale Street, Suite 600
San Francisco, California 94105

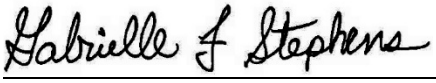
SCS ENGINEERS

01204082.01, Task 30 | February 2022

3843 Brickway Boulevard, Suite 208
Santa Rosa, California 95403
707-546-9461

This New Source Performance Standards (NSPS)/Bay Area Air Quality Management District (BAAQMD) Rule 8-34 Semi-Annual/ Initial National Emission Standards for Hazardous Air Pollutants (NESHAP) Report for the Potrero Hills Landfill (PHLF) in Solano County, California, dated February 2022, was prepared and reviewed by the following:

Hannah Morse
Technical Associate
SCS ENGINEERS



Gabrielle Stephens
Senior Project Manager
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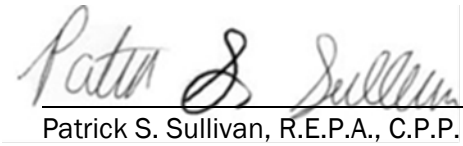

Patrick S. Sullivan, R.E.P.A., C.P.P.
Senior Vice President
SCS ENGINEERS

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1.0 INTRODUCTION

Potrero Hills Landfill (PHLF) hereby submits this New Source Performance Standard (NSPS) Semi-Annual/Initial National Emission Standards for Hazardous Air Pollutants (NESHAP) Report of information and Bay Area Air Quality Management District (BAAQMD or District) Rule 8-34 Semi-Annual Report for the period of August 1, 2021 through January 31, 2022 to the BAAQMD.

1.1 EMISSION GUIDELINE CF RULE

PHLF is considered a "new" landfill under the original landfill NSPS, and as such was subject to 40 Code of Federal Regulations (CFR) Part 60, Subpart WWW, but is considered an "existing" landfill under the new Emissions Guideline (EG) rule, promulgated under 40 CFR Part 60, Subpart Cf in August 2016. The California Air Resources Board (CARB) submitted a State Plan, dated May 25, 2017, to implement the EPA's EG rule. CARB's State Plan claimed that the California AB 32 Landfill Methane Rule (LMR), which PHLF is already subject to, is already more stringent than the EG rule, and that compliance with the LMR should be sufficient to comply with the EG rule. The EPA partially approved and partially disapproved CARB's State Plan on January 9, 2020 because CARB's State Plan did not fully meet certain provisions of the EG rule. EPA published its Federal Plan for the EG under 40 CFR Part 62, Subpart OOO in May 2021, and it became effective on June 21, 2021. At that time, the approved EG Cf rule in California became the LMR plus specific sections of Subpart OOO related to wellhead temperature.

For the reporting period from July 1, 2021 and through September 26, 2021, PHLF was required to comply with the LMR and applicable sections of 40 CFR Part 62, Subpart OOO to meet its EG compliance obligations.

1.2 UPDATED NESHAP 40 CFR 63, SUBPART AAAA

Due to the site's permitted design capacity being over the 2.5 million Megagram/2.5 million cubic meter limits and having an uncontrolled non-methane organic compound (NMOC) content exceeding 50 Megagrams per year, the major compliance provisions of Subpart WWW and OOO were replaced as of September 27, 2021 by the NESHAP 40 CFR 63, Subpart AAAA requirements, which essentially implement and enhance provisions of 40 CFR 60, Subparts XXX (which were updated NSPS for Municipal Solid Waste (MSW) landfills promulgated in 2016) as well as removing the Startup, Shutdown, Malfunction (SSM) Plan requirements. However, because the Title V Permit references Subpart WWW, this semi-annual report will continue to include Subpart WWW requirements. References to Subpart WWW will be removed from all reports after a new Title V Permit is issued removing references to Subpart WWW and updating applicable regulations, or we otherwise obtain approval from the BAAQMD to only comply with the new requirements.

For the reporting period from July 1, 2021 through December 31, 2021, this Semi-Annual Report complies with the sections specified in Subpart WWW, 40 CFR 60.757(f), and Subpart AAAA, 40 CFR 63.1981(h), which describes the items to be submitted in an annual report for landfills using an active collection system. In accordance with NESHAP 40 CFR 63, Subpart AAAA, this report is submitted semi-annually.

2.0 SITE BACKGROUND INFORMATION

The PHLF is an active municipal solid waste (MSW) disposal site owned and operated by Potrero Hills Landfill, Inc. PHLF is located at 3675 Potrero Hills Lane, Suisun, California and occupies a 525-acre parcel; 340 acres are currently permitted for waste disposal.

The PHLF is a Class III facility as defined by Article 3, Subchapter 2, Chapter 3 of Title 27 of the California Code of Regulations (CCR). The PHLF accepts mixed municipal wastes (residential and commercial), industrial wastes, agricultural wastes, designated wastes, and construction/demolition wastes. PHLF operates under a permit to operate (PTO) and a Major Facility Review (MFR or Title V) Permit issued by the BAAQMD.

2.1 EXISTING LANDFILL GAS COLLECTION AND CONTROL SYSTEM

The GCCS at the PHLF consists of extraction wells used to collect the LFG from within the landfill (the "wellfield") and a piping system (the "collection system") used to convey the collected LFG to the control systems for destruction.

2.1.1 Wellfield Components

The LFG is extracted from the landfill through a combination of vertical gas extraction wells and horizontal gas extraction trenches/pipes, as well as leachate collection system components.

2.1.2 Collection System Components

The collected LFG is conveyed from the wellheads through flexible hoses to a collection "header" of varying diameter between 12 and 30 inches. The header conveys the collected LFG to the control systems.

2.1.3 Control Systems

A landfill gas to energy (LFGTE) facility, which is permitted by the BAAQMD separately from PHLF as facility No. E0139, has been the primary control system for PHLF's collected LFG since it began commercial operation on March 28, 2016. The LFGTE facility is owned and operated by Potrero Hills Energy Producers LLC (PHEP). The flare station, which is operated and maintained by PHLF, consists of two enclosed flares (A-2 and A-4) which act as supplementary emission control and/or backup control devices in the event that the LFGTE facility goes offline.

Major equipment components of the flare station include:

- A gas pretreatment system consisting of an inlet knock out pot.
- Two blowers (both at 50 horsepower (hp) each with a capacity up to 2,500 standard cubic feet per minute (scfm) at/over 50 inches of water column).
- One John Zink ZTOF enclosed ground flare (Abatement Device No. A-2). The flare has a capacity of 45 million (MM) British Thermal Units (Btu) per hour (MMBtu/hr), and can process up to 1,600 scfm of LFG at 50 percent methane.

- One Callidus enclosed ground flare (Abatement Device No. A-4). The flare has a capacity of 72 million MMBtu/hr and can process up to 2,400 scfm of LFG at 50 percent methane.

Operation of the flares and blowers are monitored at a control panel located in the LFG flare station area. LFG flow rate and combustion temperature at each flare is monitored and recorded via a digital chart recorder and a telemetry system. The LFG flow rate for each flare is monitored using a flow meter installed in the LFG flare inlet piping. Each flare is equipped with thermocouples located near the stack exit to monitor the combustion temperature, and a flame detector is located at the base to monitor whether combustion is occurring.

2.1.4 Condensate Management

Condensate generated in the LFG collection system and flare station is collected into in-line sumps and discharged into the site's leachate collection system.

2.1.5 Air Permits

The PHLF maintains a BAAQMD PTO (Plant No. 2039), which includes conditions for the wellfield, collection system, and flare station (Condition No. 1948). This condition incorporates all applicable requirements from NSPS Subpart WWW and from BAAQMD Rule 8-34, which are addressed in this report. The PHLF also maintains a Title V Permit (Facility No. A2039), which was most recently renewed in March 2013. The current permit is a Title V revision permit issued on January 11, 2016.

A GCCS Design Plan was prepared for the site to review and determine the adequacy of the existing LFG system. The current design of the system was determined to be adequate to comply with both NSPS and BAAQMD Rule 8-34 requirements. The system design is based on the density of wells calculated to sufficiently extract the maximum flow of LFG generated, according to the United States (U.S.) Environmental Protection Agency (EPA) LFG emissions model (LandGEM). The GCCS is designed to control surface emissions, as well as to minimize subsurface lateral migration of LFG. Both the perimeter of the landfill and the landfill surface are monitored on a quarterly basis. Additional details regarding the GCCS are in the GCCS Design Plan that was previously submitted to the BAAQMD. A drawing showing the existing GCCS is provided in Appendix A.

3.0 REPORTING REQUIREMENTS

The following information is required to be reported in a semi-annual report:

Table 1. Reporting Requirements, Corresponding Regulatory References

NSPS Subpart WWW	Updated NESHAP Subpart AAAA	Federal Subpart OOO
40 CFR 60.757(f), (g)	**40 CFR 63.1981(h), (i), (j), (k), (l)**	**40 CFR 62.16724(h), (i), (j), (l), (q)**
Value and length of time for exceedance of applicable parameters monitored under 40 CFR 60.756(a), (b), (c), and (d).	Number of times that applicable parameters monitored under 40 CFR 63.1958(b), (c), and (d) were exceeded and when the gas collection and control system was not operating under 40 CFR 63.1958(e), including periods of SSM.	Value and length of time for exceedance of applicable parameters monitored under 40 CFR 62.16722(a)(1), (b), (c), (d), and (g).

NSPS Subpart WWW	Updated NESHAP Subpart AAAA	Federal Subpart OOO
40 CFR 60.757(f), (g)	**40 CFR 63.1981(h), (i), (j), (k), (l)**	**40 CFR 62.16724(h), (i), (j), (l), (q)**
Description and duration of all periods when the gas stream is diverted from the control device.	Description and duration of all periods when the gas stream was diverted from the control device or treatment system through a bypass line or the indication of bypass flow as specified under 40 CFR 63.1961.	Description and duration of all periods when the gas stream was diverted from the control device or treatment system through a bypass line or the indication of bypass flow as specified under 40 CFR 62.16722.
Description and duration of all periods when the control device was not operating for more than 1 hour.	Description and duration of all periods when the control device or treatment system was not operating and length of time the control device or treatment system was not operating.	Description and duration of all periods when the control device or treatment system was not operating and length of time the control device or treatment system was not operating.
All periods when the collection system was not operating in excess of 5 days.	All periods when the collection system was not operating.	All periods when the collection system was not operating.
The location of each 500 ppmv methane exceedance, and the concentration recorded at each location for which an exceedance was recorded in the previous month.	The location of each exceedance of the 500-ppm methane concentration as provided in 40 CFR 63.1958(d) and the concentration recorded at each location for which an exceedance was recorded in the previous month.	The location of each exceedance of the 500 parts-per-million methane concentration as provided in 40 CFR 62.16716(d) and the concentration recorded at each location for which an exceedance was recorded in the previous month.
The date of installation and the location of each well or collection system expansion added pursuant to 40 CFR 60.755 paragraphs (a)(3), (b), and (c)(4).	The date of installation and the location of each well or collection system expansion added pursuant to 40 CFR 63.1960(a)(3) and (4), (b), and (c)(4).	The date of installation and the location of each well or collection system expansion added pursuant to 40 CFR 62.16720(a)(3), (4), (b), and (c)(4).
Required information of the initial performance source test report pursuant to 40 CFR 60.757(g).	Required information of the initial performance source test report pursuant to 40 CFR 63.1981(i).	Required information of the initial performance source test report pursuant to 40 CFR 62.16724(i).
--	For any corrective action analysis for which corrective actions are required in 40 CFR 63.1960(a)(3)(i) or (a)(5) and that take more than 60 days to correct the exceedance, the root cause analysis conducted.	For any corrective action analysis for which corrective actions are required in 40 CFR 62.16720(a)(3) or (4) and that take more than 60 days to correct the exceedance, the root cause analysis conducted.
--	Each owner or operator required to conduct enhanced monitoring in 40 CFR 63.1961(a)(5) and (6) must include the results of all monitoring activities conducted during the period.	--
--	Where an owner or operator subject to the provisions of subpart 40 CFR 63.1981(k) seeks to demonstrate compliance with the operational standard for temperature in § 63.1958(c)(1) and a landfill gas temperature measured at either the wellhead or at any point in the well is greater than or equal to 76.7 degrees	Each owner or operator that chooses to comply with the provisions in §63.1958, 63.1960, and 63.1961 of this chapter, as allowed in §62.16716, 62.16720, and 62.16722, must submit the 24-hour high temperature report according to § 63.1981(k) of this chapter.

NSPS Subpart WWW	Updated NESHAP Subpart AAAA	Federal Subpart OOO
40 CFR 60.757(f), (g)	40 CFR 63.1981(h), (i), (j), (k), (l)	40 CFR 62.16724(h), (i), (j), (l), (q)
	Celsius (170 degrees Fahrenheit) and the carbon monoxide concentration measured is greater than or equal to 1,000 ppmv, then you must report the date, time, well identifier, temperature and carbon monoxide reading via email to the Administrator within 24 hours of the measurement.	
--	Beginning no later than September 27, 2021, the owner or operator must submit reports electronically according to paragraphs 40 CFR 63.1981(l)(1) and (2) of this section.	Beginning no later than September 27, 2021, the owner or operator must submit reports electronically according to paragraphs 40 CFR 62.16724(j) of this section.
--	--	The owner or operator that has employed leachate recirculation or added liquids based on a Research, Development, and Demonstration permit (issued through Resource Conservation and Recovery Act (RCRA), subtitle D, part 258) within the last 10 years must submit to the Administrator, annually, following the procedure specified in paragraph 40 CFR 62.16724(l).
--	Submit semi-annual CMS summary reports including required items listed in 40 CFR 63.10(e)(3)(vi)	--

3.1 MONITORED PARAMETERS

The following information is required to be monitored:

Table 2. Monitored Parameters, Corresponding Regulatory References

NSPS Subpart WWW	Updated NESHAP Subpart AAAA	Federal Subpart OOO
40 CFR 60.756(a), (b), (c), (d)	40 CFR 63.1961(a), (b), (f)	40 CFR 62.16722 (a), (b), (f)
Vacuum applied to the extraction wells via the gas collection header is monitored on a monthly basis. A vacuum must be maintained at each wellhead to be in compliance with 40 CFR 60.753 (b).	Vacuum applied to the extraction wells via the gas collection header is monitored on a monthly basis. A vacuum must be maintained at each wellhead to be in compliance with 40 CFR 63.1961 (a)(1).	Vacuum applied to the extraction wells via the gas collection header is monitored on a monthly basis. A vacuum must be maintained at each wellhead to be in compliance with 40 CFR 62.16722(a)(1).
Nitrogen or oxygen content of LFG at the wellheads is monitored on a monthly basis. Nitrogen must be less than 20 percent (%) or oxygen less than five (5) % to comply with 40 CFR 60.753 (c).	Nitrogen or oxygen content of LFG at the wellheads is monitored on a monthly basis.	Nitrogen or oxygen content of LFG at the wellheads is monitored on a monthly basis to comply with 40 CFR 62.16722(a)(2).
Temperature of the LFG at the wellheads is monitored on a monthly basis. Temperature must	Temperature of the LFG at the wellheads is monitored on a monthly basis. Temperature must be	Temperature of the LFG at the wellheads is monitored on a monthly basis. Temperature must be

NSPS Subpart WWW	Updated NESHAP Subpart AAAA	Federal Subpart OOO
40 CFR 60.756(a), (b), (c), (d)	**40 CFR 63.1961(a), (b), (f)**	**40 CFR 62.16722 (a), (b), (f)**
be maintained below 55 degrees C (131 degrees F) to comply with 40 CFR 60.753 (c).	maintained below 62.8 degrees C (145 degrees F) to comply with 40 CFR 63.1961(a)(3).	maintained below 55 degrees C (131 degrees F) to comply with 40 CFR 62.16722(a)(3).
A temperature or flame presence monitoring device with a continuous recorder, and a gas flow rate measuring device, which records flow at least once every 15 minutes, must be installed at the flare station. The temperature/flame presence and LFG flow rate monitoring data are used to determine the amount of time the LFG collection and control systems are on-line and to ensure compliance with the minimum temperature requirement for enclosed flares. The flare monitoring devices must be operating continuously to comply with 40 CFR 60.756 (b) and to show that the flare is on-line at any time that the collection system is operating (in compliance with 40 CFR 60.753 (e) and (f)).	A temperature or flame presence monitoring device with a continuous recorder, and a gas flow rate measuring device, which records flow at least once every 15 minutes, must be installed at the flare station. The temperature/flame presence and LFG flow rate monitoring data are used to determine the amount of time the LFG collection and control systems are on-line and to ensure compliance with the minimum temperature requirement for enclosed flares. The flare monitoring devices must be operating continuously to comply with 40 CFR 63.1961(b) and to show that the flare is on-line at any time that the collection system is operating (in compliance with 40 CFR 63.1958 (e) and (f)).	A temperature or flame presence monitoring device with a continuous recorder, and a gas flow rate measuring device, which records flow at least once every 15 minutes, must be installed at the flare station. The temperature/flame presence and LFG flow rate monitoring data are used to determine the amount of time the LFG collection and control systems are on-line and to ensure compliance with the minimum temperature requirement for enclosed flares. The flare monitoring devices must be operating continuously to comply with 40 CFR 62.16722(b) and to show that the flare is on-line at any time that the collection system is operating (in compliance with 40 CFR 62.16716 (e) and (f)).
Landfill surface emissions monitoring was performed on a quarterly basis to measure concentrations of total organic carbon (TOC) as methane. A portable flame ionization detector (FID) organic vapor analyzer, which meets NSPS specifications, was used to measure concentrations of TOC as methane (in compliance with 40 CFR 60.756(f).	Landfill surface emissions monitoring was performed on a quarterly basis to measure concentrations of TOC as methane. A portable FID organic vapor analyzer, which meets NSPS specifications, was used to measure concentrations of TOC as methane (in compliance with 40 CFR 63.1961(f)).	Landfill surface emissions monitoring was performed on a quarterly basis to measure concentrations of TOC as methane. A portable FID organic vapor analyzer, which meets NSPS specifications, was used to measure concentrations of TOC as methane (in compliance with 40 CFR 62.16722(f)).
The landfill surface was inspected at least monthly for evidence of cracks or other surface integrity issues, in accordance with 40 CFR 60.755(c)(5).	The landfill surface was inspected at least monthly for evidence of cracks or other surface integrity issues, in accordance with 40 CFR 63.1960(c)(5).	The landfill surface was inspected at least monthly for evidence of cracks or other surface integrity issues, in accordance with 40 CFR 62.16720(c)(5).
Per 40 CFR 60 758(c)(1)(i), the average temperature of the flare for a 3-hour time period cannot fall below 28°C (50°F) less than the average operation temperature based on the most recent source test except during periods of SSM.	Per 40 CFR 63.1983(c)(1)(i), the average temperature of the flare for a 3-hour time period cannot fall below 28°C (50°F) less than the average operation temperature based on the most recent source test. Please note, continuous monitoring of temperature monitoring is required at all times except for periods of monitoring system malfunctions, repairs associated with monitoring system	Per 40 CFR 62.16726(c)(1)(i), the average temperature of the flare for a 3-hour time period cannot fall below 28°C (50°F) less than the average operation temperature based on the most recent source test. Please note, continuous monitoring of temperature monitoring is required at all times except for periods of monitoring system malfunctions, repairs associated with monitoring

NSPS Subpart WWW	Updated NESHAP Subpart AAAA	Federal Subpart OOO
40 CFR 60.756(a), (b), (c), (d)	40 CFR 63.1961(a), (b), (f)	40 CFR 62.16722 (a), (b), (f)
	malfunctions, and required monitoring system quality assurance or quality control activities (in compliance with 40 CFR 63.1961(h)).	system malfunctions, and required monitoring system quality assurance or quality control activities (in compliance with 40 CFR 62.16722(h)).

3.1.1 Gas Extraction System Downtime

During the reporting period, the LFG extraction system was off-line on several occasions for a total of 2.43 hours. Shutdowns involved pre-programmed or manual system shutdowns for inspection, maintenance and/or repair of the GCCS, and thus meet the criteria for allowed GCCS downtime, as specified in Rule 8-34-113 and in accordance with the BAAQMD November 5, 2018 Compliance Advisory. The typical operating scenario involves the LFGTE facility acting as the primary control device and one or both flares being offline. When the LFGTE facility goes offline, one or both flares are then brought online under back-up generator power. In some instances of short downtime, the LFGTE facility may be brought back online more quickly than the flares. In addition, if the LFGTE facility goes offline unexpectedly in the middle of the night or on a weekend, LFGTE facility staff must drive to the site and perform inspection and maintenance of their system prior to the LFGTE facility and/or LFG flares re-starting, as re-starting these control systems without someone first inspecting or conducting maintenance on these systems could cause damage to the systems. PHLF staff are alerted each time the LFGTE facility goes offline, and during each shutdown, PHLF staff are in close communications with LFGTE facility staff regarding their inspections and maintenance of the LFGTE facility system and their estimates on when the GCCS can be brought back online.

A summary of the GCCS downtime for this reporting period is provided in Table 3a, including the date, reason for the downtime, description of the corrective measure(s) implemented to resume GCCS operation, and the total elapsed time for each event. Gas extraction system downtime records are available for review at the site.

3.1.2 Emission Control System Downtime

During the reporting period, one or both of the flares were off-line on several occasions. A summary of flare A-2 and A-4 downtimes are provided in Table 3b and 3c, respectively, including the date, reason for the downtime, and the total elapsed time for each event. Note that the LFGTE facility acts as the primary control device and the majority of collected LFG is sent to this facility. As a result, the flares have been offline on a regular basis. In the event the LFGTE facility shuts down, or additional control is required, one or both of the flares act as backup control devices. In the event the LFGTE facility and both flares go offline concurrently, the collection system will automatically shut down resulting in the entire GCCS going offline. During the reporting period, this occurred over a cumulative period of approximately 2.43 hours. Emission control system downtime records are available for review at the site.

During the previous reporting period, there was a malfunction of the FleetZOOM recorder during flare control panel upgrades on July 20, 2021 at approximately 8:34 which resulted in a loss of data through to August 31, 2021. This missing data was corrected with a new FleetZOOM Telemetry System installation. Due to the infrequency with which the flares run, it is not believed that there is substantial runtime data missing during this time period as the flares were not operational. The

back-up Honeywell Data Recorder was also corrupted and the missing data was not recoverable. This event is considered an SSM event and is included in the semi-annual SSM report.

Whenever the LFGTE facility goes offline, the LFG flares automatically startup and stay online until LFGTE facility is back online. Therefore, during this reporting period, there were no instances during which LFG flow passed through the control devices uncontrolled (i.e., free venting), and the collected LFG stream was never diverted from the control devices. Per 40 CFR 63.1955(c), the equipment was operated in a manner consistent with safety and good air pollution control practices for minimizing emissions, and the work practice standard was met.

Missing data can potentially be a deviation for the minimum temperature requirement for the flares if one or more hours of data in a three (3)-hour block is invalid. During the reporting period, there were no periods of missing data, except for SSM events.

3.1.3 Individual Wells Downtime

Individual extraction wells may be taken off-line for inspection, maintenance, and/or repair, as well as for other unforeseen circumstances. These are generally planned events, although such events can occur without notice. During the reporting period, one (1) well was temporarily taken offline due to active filling occurring in their vicinity. This well, HC-15-13, was taken off-line in accordance with the requirements of Rule 8-34.

Please note that a change of condition application to increase the allowed number of installations and decommissions of vertical wells and horizontal collectors as specified in Condition No. 1948, Part 6b, was submitted to the BAAQMD on April 13, 2020. This application was assigned application no. 30439, and a temporary PTO was issued on April 29, 2020. This temporary PTO has not yet been incorporated into PHLF's annual PTO. PHLF is in compliance with the allowed number of well installations and decommissions as specified in application No. 30439.

Details of individual well shutdown and well startups occurring during the reporting period are provided in Table 4. Please see the Semi-Annual SSM Report included in this submittal for additional details.

3.1.4 Flow Meter and Temperature Gauge Downtime

The continuous operation of the GCCS is measured through the continuous measurement of LFG flow to each flare and flare combustion temperature. As required by Rule 8-34, each flare at the PHLF is equipped with flow measuring devices and temperature gauges that provide continuous readout displays using digital chart recorders. During the reporting period, the flow meter(s) and temperature gauge(s)/recorders at the flare station did not go out of operation due to malfunction or other breakdown conditions. Continuous monitoring and calibration information are available for review at the site.

3.1.5 Flare Combustion Zone Temperature

PHLF is required by permit condition No. 1948, Part 9 to operate the flare (A-2) in such a manner that the combustion zone temperature within the flare does not drop below the permitted limit of 1,504 degrees Fahrenheit (°F) (averaged over a 3-hour period) or a higher or lower temperature based on the most recent source test. From August 1, 2021 through January 11, 2022, the

minimum temperature above which the flare was required to operate was 1,541°F (source test results minus 50°F), based on the source test results in the test report dated January 13, 2021 (revised February 18, 2021). From January 12 through January 31, 2022, the minimum temperature above which the flare was required to operate was 1,504°F (source test results minus 50°F), based on the source test results in the test report dated January 12, 2021. During the reporting period, the average temperature for the flare did not drop below the established minimum temperatures, excluding SSM events from August 1 through September 26, 2021. From September 27, 2021 through January 31, 2022, there were zero (0) missing data events for the flare during the reporting period, except for periods excluded per 40 CFR 63.1961.

Permit condition No. 1948, Part 9 requires the PHLF to operate flare A-4 in such a manner that the combustion zone temperature within the flare does not drop below 1,467°F (averaged over a 3-hour period), or a higher or lower temperature based on the most recent source test. From August 1, 2021 through January 11, 2022, the minimum temperature above which the flare was required to operate was 1,537°F (source test results minus 50°F), based on the source test results in the test report dated January 13, 2021 (revised February 18, 2021). From January 12 through January 31, 2022, the minimum temperature above which the flare was required to operate was 1480°F (source test results minus 50°F), based on the source test results in the test report dated January 12, 2021 During the reporting period, the average temperature for the flare did not drop below the established minimum temperatures, excluding SSM events from August 1 through September 26, 2021. From September 27, 2021 through January 31, 2022, there were zero (0) missing data events for the flare during the reporting period, except for periods excluded per 40 CFR 63.1961.

Please note the new NESHAP minimum temperature requirement is 82°F below the most recent source test. Due to Potrero's Title V permit still including the WWW requirement of 50°F below the most recent source test, the most stringent requirement was used for this report.

Flare temperature records are available for review at the site. An excerpt from the January 12, 2022 source test report, summarizing the test results for the flares is provided in **Appendix B** of this report.

3.2 COMPONENT LEAK QUARTERLY MONITORING

During the reporting period, quarterly testing of the GCCS components for any leaks with a methane concentration of greater than 1,000 parts per million by volume (ppmv), as required by BAAQMD Rule 8-34-503, was conducted. Testing in the wellfield and at the flare station was performed using an organic vapor analyzer (OVA), which was calibrated on the same day as the testing. Monitoring results and calibration records are provided in **Appendix C** and are available for review at the site.

3.2.1 Third Quarter 2021 Monitoring

SCS Field Services (SCSFS) conducted the component leak testing of the wellfield and flare station on August 19, 2021. No component leaks above 1,000 ppmv were detected in the wellfield or at the flare station during the third quarter 2021 monitoring event.

3.2.2 Fourth Quarter 2021 Monitoring

SCSFS conducted the component leak testing of the wellfield and flare station on October 18, 2021. No component leaks above 1,000 ppmv were detected in the wellfield or at the flare station during the fourth quarter 2021 monitoring events.

3.3 CONTROL EFFICIENCY

LFG flare A-2 was tested on November 30, 2021, to demonstrate compliance with the control efficiency standard of 98 percent non-methane organic compound (NMOC) destruction efficiency or outlet concentration of 30 ppmv of NMOC as methane (for flares) as required by BAAQMD Rules 8-34-301.3, 8-34-412, 8-34-501.4, and Condition # 1948, Part 11. The NMOC destruction efficiency for the November 2021 source test was measured to be >99.3 percent by weight, and the NMOC as methane concentration in the flare outlet was <2.41 ppmv. As such, flare A-2 is in compliance with the aforementioned rules and permit condition by meeting the ppmv limit.

LFG flare A-4 was also tested on November 30, 2021, to demonstrate compliance with the control efficiency standard of 98 percent NMOC destruction efficiency or outlet concentration of 30 ppmv of NMOC as methane (for flares) as required by BAAQMD Rules 8-34-301.3, 8-34-412, 8-34-501.4, and Condition # 1948, Part 11. The NMOC destruction efficiency for the November 2021 source test was measured to be >99.3 percent by weight, and the NMOC as methane concentration in the flare outlet was <2.38 ppmv. As such, flare A-4 is in compliance with the aforementioned rules and permit condition by meeting the ppmv limit.

Excerpts from the November 2021 source test report dated January 12, 2022, summarizing the test results, are provided in Appendix B of this report.

3.4 LANDFILL SURFACE MONITORING

Surface emissions monitoring (SEM) was conducted at PHLF on a quarterly basis during the reporting period, in accordance with BAAQMD Rule 8-34-303 and 8-34-506. The SEM events were conducted in accordance with the SEM plan in the landfill's GCCS Design Plan. Testing was performed using an OVA, which was calibrated the same day as the testing. The results of this monitoring are summarized below. Reports for each quarterly monitoring event are provided in Appendix C. Records of SEM are available for review at the site.

3.4.1 Third Quarter 2021 Monitoring

Per PHLF's BAAQMD Compliance and Enforcement Agreement dated May 24, 2018, PHLF is required to conduct surface emissions monitoring on a bi-monthly basis. SCSFS monitored the landfill surface for leaks with a methane concentration of greater than 500 ppmv and 25 ppmv above background on August 18, 19, 20, and September 13, 2021. Surface emissions in excess of 500 ppmv were detected at one (1) location and no surface emissions in excess of 25 ppmv were detected during the third quarter 2021 monitoring event. The location with the exceedance and associated methane concentrations are provided in the third quarter 2021 SEM report (Appendix C).

PHLF field technicians and SCSFS and site personnel performed appropriate corrective actions, including flow increases to the surrounding extraction wells and cover and borehole repairs. SCSFS completed the 10-day re-monitoring event for these locations on August 19, 2021 and performed the 1-month re-monitoring event, as required by NSPS, on September 13, 2021. All locations returned to compliance by the 1-month re-monitoring event.

3.4.2 Fourth Quarter 2021 Monitoring

SCSFS monitored the landfill surface for leaks with a methane concentration of greater than 500 ppmv and 25 ppmv above background on October 13, 17, 18, and November 12, 2021. Surface emissions in excess of 500 ppmv were detected at one (1) location and surface emissions in excess of 25 ppmv was detected at one (1) location during the fourth quarter 2021 monitoring event. The locations with the exceedances and associated methane concentrations are provided in the fourth quarter 2021 SEM report (**Appendix C**).

PHLF field technicians and SCSFS and site personnel performed appropriate corrective actions, including flow increases to the surrounding extraction wells and cover and borehole repairs. SCSFS completed the 10-day re-monitoring event for these locations on October 18, 2021 and performed the 1-month re-monitoring event, as required by NSPS/NESHAP, on November 12, 2021. All locations returned to compliance by the 1-month re-monitoring event.

3.5 GAS COLLECTION SYSTEM INSTALLATIONS AND UPGRADES

During the reporting period, forty-four (44) new vertical extraction wells were initially activated on various dates. Details of the well startups, replacements, and abandonments performed during the reporting period are provided in **Table 4**, and the SSM forms provided in the Semi-annual SSM Plan Report included with this submittal.

No additional GCCS upgrades or installations were performed during this reporting period. A figure showing the current GCCS system is provided in **Appendix A**.

3.6 WELLHEAD MONITORING DATA

Wellhead monitoring data from the monthly monitoring events during the reporting period included wellhead vacuum, oxygen content of LFG at the wellheads, and the temperature of LFG at the wellheads. Wellhead monitoring data are provided in **Appendix D.** These data provide the following information regarding compliance with 40 CFR 60.753 and 40 CFR 60.755, 40 CFR 60.753, 40 CFR 63.1961, and 40 CFR 62.16722:

3.6.1 Pressure

Most of the operating extraction wells exhibited negative pressure during all monitoring events performed during the NSPS/NESHAP reporting period, except wells EW-09-04, EW-1521, EW-16-04, PHL1801D, PHL1802D/S, PHL2004D, PHL2008S, PHL2014D, PHL2101D, PHL2118D, PHL2121D, PHLF2103, PHLF2109, PHLF2112, PHLF2113. Corrective actions were taken to bring all wells back in compliance at the end of the reporting period. **Table 5** lists pressure exceedances start and end times.

3.6.2 Oxygen

All of the operating extraction wells except wells EW-06-04D, EW-07-03R, EW-07-04R, EW-14-23, EW-19-02, GW-14, GW-15, GW-19, HC-15-03, HC-15-07, PHHZ1904, PHL1801D, PHL1802D, PHL1803D, PHL1804D, PHL1805D, PHL2014D, PHL2114D/S, and PHL2116D were extracting LFG with less than 5% oxygen during all monitoring events during the NSPS reporting period. Corrective actions were taken to bring all wells excluding EW-07-03R, EW-07-04R, EW-14-23, HC-15-03, HC-15-

07, PHL1801D, and PHL2114D back in compliance at the end of the reporting period. Wells EW-07-03R, EW-07-04R, EW-14-23, and PHL1801D are set to be abandoned due to declining LFG flows. These exceedances are listed in detail in **Table 6**.

As of the end of the previous reporting period, wells EW-07-04R, EW-19-02, HC-15-07, PHL1801D, and PHL1805D were operating with an oxygen concentration above the 5 percent limit. These wells were back in compliance at the start of this reporting period.

Please note that Subparts 000, and AAAA as well as the LMR do not have an oxygen limit. However, because rule 8-34 has such a limit and because subpart WWW remains in the Title V Permit, compliance with the 5% oxygen limit will continue.

3.6.3 Temperature

BAAQMD Rule 8-34-305 requires the landfill gas temperature in each wellhead to measure less than 55 degrees Celsius (°C) or 131°F. However, Condition No. 1948, Part 21 in PHLF's BAAQMD PTO allows PHLF to operate wells EW-06-04R, EW-06-05R, EW-06-09, EW-07-04R, EW-07-21R, EW-09-01, EW-09-03, EW-09-04, EW-11-01, EW-11-02, EW-11-03, EW-11-05, EW-11-06, EW-13-02, EW-14-07, EW-14-25, EW-14-28, EW-14-29, EW-1001, EW-1513, EW-1514, EW-1515, EW-1516, EW-1517, EW-1520, EW-1527, EW-1532, EW-1533, 0706R, LW-11-01, and LW-11-02 at an alternative temperature of 145°F.

Additional carbon monoxide (CO) monitoring requirements associated with any of these wells with temperatures between 131°F and 145°F are specified in Condition No. 1948, Part 21. Results of the additional CO monitoring are maintained and can be furnished upon request.

The majority of wells were operating within their respective limits of 131°F or 145°F during the monitoring events conducted during the reporting period. The dates when wells were operating above their respective temperature limits, and the well identification number, correction actions, and re-monitoring results for these wells are provided in **Table 7.** As of the end of the reporting period, most of the operating wells were operating with temperature limits below their respective limits with the exception of new wells HC-14-06, PHL1803S, PHL1804D, PHL2004D, PHL2010D, PHL2013D, PHL2102S, PHL2104S, PHL2117S, PHL2118D, PHL2119D, PHL2120D, PHL2120S, PHL2121D, PHL2121S, and PHL2124D. Of these wells above temperature limit of 131°F, all were below 145°F except wells PHL2004D, PHL2118D, and PHL2120D. Higher operating value requests for wells below 145°F will be submitted to the district.

3.6.4 Root Cause Analysis

40 CFR 63.1981(j) and the 40 CFR 62.16724(k) require notifications for corrective action that will exceed 60 days to implement. Such corrective actions also require a "root cause analysis" to determine the reason for the exceedance if exceedances cannot be corrected in 15 days. For corrective actions that require more than 60 days to complete, an additional "corrective action analysis" is also required. There were multiple exceedances during the reporting period where this occurred, and the appropriate corrective actions and root cause analyses were completed. The root cause analysis and corrective action reports can be found in **Appendix D**.

3.7 COVER INTEGRITY MONITORING

Under BAAQMD Rule 8-34-510 and the NSPS/NESHAP, the landfill surface must be monitored at least monthly for evidence of cracks or other surface integrity issues, which could allow for surface emissions. During the reporting period, cover integrity monitoring was conducted by SCSFS in conjunction with the wellhead monitoring on August 2, 4, 10, 13, 17, 19, 23, and 30, September 7, 13, 20, and 28, October 4, 13, 22, and 27, November 4, 10, 15, 22, and 30, December 7, 16, 21, and 28, 2021 and January 4, 13, 17, 25, 31, 2022, using procedures specified in the GCCS Design Plan. Monitoring generally showed the landfill surface was in good condition. Any areas that required repairs were implemented in a timely manner. Records of cover integrity monitoring are available for review upon request.

3.8 GAS GENERATION ESTIMATE AND MONTHLY FLOW METER READINGS

PHLF does not operate under approved less than continuous operation conditions. Therefore, monthly flow data are not required to be reported.

3.9 ANNUAL WASTE ACCEPTANCE RATE AND REFUSE IN PLACE

The PHLF is an active landfill that continues to accept refuse for disposal. From August 1, 2021 through January 31, 2022, the site accepted 554,149 tons of decomposable waste, resulting in a cumulative waste-in-place total of 20,713,824 tons as of January 31, 2022.

3.9.1 Non-Degradable Waste Areas

No areas of non-degradable waste deposition are known to exist. There are no landfill areas that are excluded from the collection system requirement.

3.10 LIQUIDS ADDITION REPORT

40 CFR 62.16724(l) requires documentation and reporting for the addition of liquids or leachate recirculation. The landfill has not injected liquid in the last 10 years, nor injected liquids during the reporting period. Therefore, there were zero (0) volumes of liquids injected and zero (0) acres of area for liquids injection.

3.11 24 HOUR HIGH TEMPERATURE

40 CFR 63.1981(k) and 40 CFR 62.16724(q) require the reporting of any landfill gas temperature measurements greater than or equal to 170°F. During the reporting period, there were no readings greater or equal to 170°F.

3.12 REPORTING REQUIREMENTS THAT WERE PREVIOUSLY SUBMITTED

Amendments to the MSW Landfill NESHAP (40 CFR 63, Subpart AAAA) were published in the Federal Register on March 26, 2020. As noted in 40 CFR 63.1930(a) and (b), landfills must meet the requirements of the amended subpart beginning no later than September 27, 2021. 40 CFR 63.1981

notes that reports submitted previously under NSPS or EG (40 CFR 60 Subparts WWW or XXX; or a state or federal plan implementing 40 CFR 60 Subparts Cc or Cf) do not have to be resubmitted, but a statement certifying submission of these reports must be included in the first semi-annual report required under the amended NESHAP. The facility is therefore taking the opportunity to notify and certify that the following reports were submitted previously:

- Initial Design Capacity Report
- Initial NMOC Emission Rate Report
- Initial/Revised Gas Collection and Control System (GCCS) Design Plan (Certification submitted on September 27, 2021)
- Initial Performance Test Report

Note that all other reports noted above with the exception of the Revised GCCS Design Plan were submitted outside of the 5-year retention window. A certification statement is included with this report in **Appendix E**. This ensures the reports are recognized as previously submitted under 40 CFR 60 Subparts WWW or XXX; or a state or federal plan implementing 40 CFR 60 Subparts Cc or Cf.

3.13 TREATMENT SYSTEM MONITORING PLAN

There are no vents within the treatment system, which allow venting of gas to the atmosphere, and the treatment system is not designed nor equipped to bypass a control device and vent directly to the atmosphere. A calibrated flow meter is installed to measure flow to the treatment system. Treated landfill gas, which cannot be routed for sale or beneficial use, is routed to a control system. Waste Connections, Inc. maintains and operates all monitoring systems associated with the treatment system in accordance with the site-specific treatment system monitoring plan required by §62.16726(b)(5)(ii) and §63.1983(b)(5)(ii). During this reporting period, per Waste Connections, there were no parameter exceedances of the Treatment System Monitoring Plan.

3.14 CMS SUMMARY REPORT

The additional reporting requirements for continuous monitoring systems (CMS) per 40 CFR 63.10(e)(3)(vi) is included in **Appendix F.**

Tables

Table 3a. GCCS Downtime
Potrero Hills, Landfill, Suisun City, CA
(August 1, 2021 through January 31, 2022)

Shutdown	Startup	Total Downtime Hours	Reason for Shutdown
8/27/2021 3:49	8/27/2021 4:00	0.18	DHS Fuel skid failure
10/23/2021 9:51	10/23/2021 12:06	2.25	System shutdown, possible oxygen intrusion shut down plant, flares offline
	Total GCCS Downtime	**2.43**	

Notes:

Events in bold type denotes Malfunction Events

Downtimes listed represent periods when all landfill gas combustion devices were offline concurrently (no gas flow from the collection system).
All events listed involved GCCS inspection and/or maintenance activities prior to start up (or as soon as feasible following programmed startups) in accordance with Rule 8-34-113 requirements and the BAAQMD Compliance Advisory for Municipal Solid Waste Landfills, dated November 5, 2018.

Table 3b. Flare A-2 Downtime
Potrero Hills Landfill, Suisun City, CA
(August 1, 2021 through January 31, 2022)

Shutdown	Startup*	Total Downtime Hours	Total Runtime Hours	Reason for Shutdown
8/1/2021 0:00	10/27/2021 15:12	2103.21	0.00	
10/29/2021 6:22	10/29/2021 8:12	1.83	39.17	Flare A-2 voluntary shutdown, LFGTE Plant kept in operation
10/29/2021 10:22	10/29/2021 14:33	4.17	2.17	Flare A-2 voluntary shutdown, LFGTE Plant kept in operation
10/29/2021 15:13	10/29/2021 16:32	1.33	0.67	Flare A-2 voluntary shutdown, LFGTE Plant kept in operation
11/1/2021 7:13	11/1/2021 7:44	0.51	62.68	Flare A-2 Voluntary shutdown LFGTE Plant kept in operation - pre programmed autorestart
11/2/2021 12:54	11/2/2021 15:44	2.83	29.17	Flare A-2 Voluntary shutdown Data recorder installation/testing - LFGTE plant online
11/3/2021 8:54	11/3/2021 9:14	0.33	17.17	Flare A-2 Voluntary shutdown LFGTE Plant kept in operation - pre programmed autorestart
11/3/2021 9:54	11/3/2021 10:14	0.33	0.67	Flare A-2 Voluntary shutdown LFGTE Plant kept in operation - pre programmed autorestart
11/3/2021 10:34	11/3/2021 15:44	5.17	0.33	Flare A-2 Voluntary shutdown LFGTE Plant kept in operation - low inlet pressure
11/4/2021 14:02	11/4/2021 15:34	1.53	22.30	Flare A-2 Voluntary shutdown LFGTE Plant kept in operation - low inlet pressure
11/5/2021 8:35	11/5/2021 8:55	0.33	17.00	Flare A-2 Voluntary shutdown LFGTE Plant kept in operation - pre programmed autorestart
11/8/2021 7:05	11/8/2021 13:26	6.35	70.18	Flare A-2 Voluntary shutdown LFGTE Plant kept in operation - low inlet pressure
11/9/2021 10:43	11/9/2021 16:46	6.05	21.29	Flare A-2 voluntary shutdown, LFGTE Plant kept in operation - low gas quality during construction project
11/10/2021 10:59	11/11/2021 16:45	29.75	18.22	Flare A-2 voluntary shutdown, LFGTE Plant kept in operation - data recorder replacement/testing
11/13/2021 12:59	11/15/2021 9:26	44.45	44.24	Flare A-2 voluntary shutdown, LFGTE Plant kept in operation
11/16/2021 11:45	11/16/2021 16:16	4.52	26.32	Flare A-2 voluntary shutdown, LFGTE Plant kept in operation
11/18/2021 11:32	11/18/2021 15:57	4.42	43.26	Flare A-2 voluntary shutdown, LFGTE Plant kept in operation
11/20/2021 8:09	11/22/2021 8:15	48.10	40.21	Flare A-2 voluntary shutdown, LFGTE Plant kept in operation
11/22/2021 14:04	11/22/2021 14:20	0.27	5.82	Flare A-2 Voluntary shutdown LFGTE Plant kept in operation - pre programmed autorestart
11/23/2021 8:50	11/23/2021 9:37	0.78	18.50	flares on line for maintenance plant offline
11/23/2021 10:10	11/23/2021 10:30	0.33	0.55	flares on line for maintenance plant offline
11/23/2021 10:40	11/30/2021 12:33	169.87	0.17	Flare A-2 voluntary shutdown, LFGTE Plant kept in operation
11/30/2021 15:03	12/29/2021 13:51	694.81	2.50	Flare source test - voluntary shutdown
12/30/2021 9:50	12/30/2021 16:20	6.50	19.97	Flare A-2 voluntary shutdown, LFGTE Plant kept in operation - low gas quality during construction project
12/31/2021 10:22	1/3/2022 9:43	71.35	18.04	Flare A-2 voluntary shutdown, LFGTE Plant kept in operation - low inlet pressure
1/4/2022 14:58	1/11/2022 9:05	162.12	29.26	Flare A-2 voluntary shutdown, LFGTE Plant kept in operation
1/11/2022 12:56	1/13/2022 9:33	44.62	3.83	Flare A-2 voluntary shutdown, LFGTE Plant kept in operation
1/18/2022 9:08	1/18/2022 11:08	2.00	119.58	Flare A-2 voluntary shutdown, LFGTE Plant kept in operation
1/18/2022 12:02	1/18/2022 13:24	1.37	0.90	Flare A-2 voluntary shutdown, LFGTE Plant kept in operation
1/31/2022 12:22	Continuous	11.63	310.97	Flare A-2 Offline through End of Reporting Period
	Total Downtime	**3,430.88**		
	Total Runtime		**985.11**	

Notes:
Events in bold type denotes Malfunction Events (none occurred during the reporting period)

All events listed involved inspection and/or maintenance activities prior to startup (or as soon as feasible following programmed startups) in accordance with Rule 8-34-113 requirements and the BAAQMD Compliance Advisory for Municipal Solid Waste Landfills, dated November 5, 2018.

*The flare was offline due to a malfunction during control system upgrades that caused the Fleetzoom recorder to shut down from July 20, 2021 at approximately 8:34 to July 27, 2021 at 20:40, July 28, 2021 at 11:12 to July 28, 2021 at 20:15, and July 29, 2021 at 9:14 to August 31, 2021 at 00:04.

Table 3c. Flare A-4 Downtime
Potrero Hills Landfill, Suisun City, CA
(August 1, 2021 through January 31, 2022)

Shutdown	Startup*	Total Downtime Hours	Total Runtime Hours	Reason for Shutdown
8/1/2021 0:00	10/11/2021 8:07	1712.13	0.00	
10/11/2021 14:27	10/11/2021 14:57	0.50	6.33	Flare A-4 Voluntary shutdown - LFGTE Plant kept in operation - blower upgrade install and testing
10/12/2021 4:48	10/14/2021 11:38	54.84	13.83	Flare A-4 Voluntary shutdown - LFGTE Plant kept in operation - blower upgrade install and testing
10/14/2021 11:58	10/14/2021 12:08	0.17	0.33	Flare A-4 Voluntary shutdown - LFGTE Plant kept in operation - blower upgrade install and testing
10/14/2021 12:05	10/14/2021 12:48	0.72	-0.05	Flare A-4 Voluntary shutdown - LFGTE Plant kept in operation - blower upgrade install and testing
10/14/2021 15:38	10/14/2021 15:58	0.33	2.83	Flare A-4 Voluntary shutdown - LFGTE Plant kept in operation - blower upgrade install and testing
10/14/2021 16:07	10/15/2021 8:28	16.35	0.15	Flare A-4 Voluntary shutdown LFGTE Plant kept in operation - control panel upgrade and blower adjustments
10/18/2021 6:09	11/1/2021 7:44	337.58	69.68	Flare A-4 Voluntary shutdown LFGTE Plant kept in operation
11/1/2021 8:04	11/1/2021 8:24	0.33	0.33	Flare A-4 Voluntary shutdown LFGTE Plant kept in operation - pre programmed autorestart
11/1/2021 8:34	11/1/2021 9:04	0.50	0.17	Flare A-4 Voluntary shutdown Data recorder installation/testing - LFGTE plant online
11/1/2021 10:44	11/1/2021 12:14	1.50	1.67	Flare A-4 Voluntary shutdown Data recorder installation/testing - LFGTE plant online
11/1/2021 12:24	11/1/2021 13:24	1.00	0.17	Flare A-4 Voluntary shutdown Data recorder installation/testing - LFGTE plant online
11/1/2021 14:44	11/1/2021 15:04	0.33	1.33	Flare A-4 Voluntary shutdown Data recorder installation/testing - LFGTE plant online
11/1/2021 16:04	11/23/2021 10:20	522.28	1.00	flares on line for maintenance LFGTE plant offline
11/23/2021 10:30	11/23/2021 10:50	0.33	0.17	Flare A-4 Voluntary shutdownLFGTE Plant kept in operation - pre programmed autorestart
11/23/2021 11:20	11/23/2021 13:11	1.83	0.50	Flare A-4 Voluntary shutdown LFGTE Plant kept in operation
11/23/2021 22:21	11/23/2021 22:41	0.33	9.17	Flare A-4 Voluntary shutdown LFGTE Plant kept in operation - pre programmed autorestart
11/24/2021 13:51	11/24/2021 14:11	0.33	15.17	Flare A-4 Voluntary shutdown LFGTE Plant kept in operation - pre programmed autorestart
11/29/2021 20:02	11/29/2021 20:22	0.33	125.86	Flare A-4 Voluntary shutdown LFGTE Plant kept in operation - pre programmed autorestart
11/30/2021 3:52	11/30/2021 4:12	0.33	7.50	Flare A-4 Voluntary shutdown LFGTE Plant kept in operation - pre programmed autorestart
11/30/2021 4:53	11/30/2021 5:13	0.33	0.67	Flare A-4 Voluntary shutdown LFGTE Plant kept in operation - pre programmed autorestart
11/30/2021 12:03	11/30/2021 15:13	3.17	6.84	Operated for annual source test, then shutdown - LFGTE plant in operation
12/1/2021 5:33	12/1/2021 5:51	0.30	14.33	Flare A-4 Voluntary shutdown LFGTE Plant kept in operation - pre programmed autorestart
12/5/2021 15:00	12/6/2021 7:24	16.40	105.15	Flare A-4 Voluntary shutdown due to low inlet pressureLFGTE Plant kept in operation
12/10/2021 9:15	12/10/2021 9:35	0.33	97.86	Flare A-4 Voluntary shutdown LFGTE Plant kept in operation - pre programmed autorestart
12/11/2021 8:59	12/11/2021 9:24	0.42	23.39	Flare A-4 Voluntary shutdown LFGTE Plant kept in operation - pre programmed autorestart
12/15/2021 10:30	12/15/2021 10:47	0.28	97.11	Flare A-4 Voluntary shutdown LFGTE Plant kept in operation - pre programmed autorestart
12/17/2021 7:01	12/17/2021 7:18	0.28	44.22	Flare A-4 Voluntary shutdown LFGTE Plant kept in operation - pre programmed autorestart
12/17/2021 10:44	12/17/2021 10:58	0.23	3.44	Flare A-4 Voluntary shutdown LFGTE Plant kept in operation - pre programmed autorestart
12/19/2021 16:18	12/19/2021 16:38	0.33	53.34	Flare A-4 Voluntary shutdown LFGTE Plant kept in operation - pre programmed autorestart
12/21/2021 9:49	12/21/2021 10:09	0.33	41.19	Flare A-4 Voluntary shutdown LFGTE Plant kept in operation - pre programmed autorestart
12/22/2021 4:29	12/22/2021 4:49	0.33	18.34	Flare A-4 Voluntary shutdown LFGTE Plant kept in operation - pre programmed autorestart
12/22/2021 16:41	12/23/2021 10:09	17.47	11.87	Flare A-4 Voluntary shutdown due to low gas quality during construction tie ins - LFGTE Plant kept in operation
12/25/2021 1:33	12/25/2021 1:50	0.28	39.39	Flare A-4 Voluntary shutdown LFGTE Plant kept in operation - pre programmed autorestart
12/26/2021 12:42	12/26/2021 13:00	0.30	34.87	Flare A-4 Voluntary shutdown LFGTE Plant kept in operation - pre programmed autorestart
12/27/2021 8:03	12/27/2021 8:21	0.30	19.05	Flare A-4 Voluntary shutdown LFGTE Plant kept in operation
12/27/2021 11:23	12/27/2021 17:01	5.63	3.03	Flare A-4 Voluntary shutdown due to low inlet pressureLFGTE Plant kept in operation
12/27/2021 20:01	12/28/2021 11:01	15.00	3.00	Flare A-4 Voluntary shutdown due to low inlet pressureLFGTE Plant kept in operation
12/28/2021 15:05	12/28/2021 18:11	3.10	4.07	Flare A-4 Voluntary shutdown due to low inlet pressureLFGTE Plant kept in operation
12/28/2021 22:01	12/29/2021 9:31	11.50	3.83	Flare A-4 Voluntary shutdown due to low inlet pressureLFGTE Plant kept in operation
12/29/2021 13:31	1/4/2022 18:26	148.92	4.00	Flare A-4 Voluntary shutdown due to low inlet pressureLFGTE Plant kept in operation
1/4/2022 20:16	1/4/2022 20:31	0.25	1.83	Flare A-4 Voluntary shutdown LFGTE Plant kept in operation - pre programmed autorestart
1/4/2022 23:57	1/5/2022 0:11	0.23	3.43	Flare A-4 Voluntary shutdown LFGTE Plant kept in operation - pre programmed autorestart
1/5/2022 4:57	1/5/2022 5:11	0.23	4.75	Flare A-4 Voluntary shutdown LFGTE Plant kept in operation - pre programmed autorestart
1/5/2022 11:27	1/5/2022 11:42	0.25	6.27	Flare A-4 Voluntary shutdown LFGTE Plant kept in operation - pre programmed autorestart

Table 3c. Flare A-4 Downtime
Potrero Hills Landfill, Suisun City, CA
(August 1, 2021 through January 31, 2022)

1/5/2022 16:14	1/5/2022 16:34	0.33	4.53	Flare A-4 Voluntary shutdown LFGTE Plant kept in operation - pre programmed autorestart
1/5/2022 19:34	1/5/2022 19:54	0.33	3.00	Flare A-4 Voluntary shutdown LFGTE Plant kept in operation - pre programmed autorestart
1/5/2022 20:24	1/5/2022 20:44	0.33	0.50	Flare A-4 Voluntary shutdown LFGTE Plant kept in operation - pre programmed autorestart
1/5/2022 21:14	1/5/2022 21:34	0.33	0.50	Flare A-4 Voluntary shutdown LFGTE Plant kept in operation - pre programmed autorestart
1/5/2022 22:14	1/5/2022 22:34	0.33	0.67	Flare A-4 Voluntary shutdown LFGTE Plant kept in operation - pre programmed autorestart
1/6/2022 2:34	1/6/2022 2:54	0.33	4.00	Flare A-4 Voluntary shutdown LFGTE Plant kept in operation - pre programmed autorestart
1/6/2022 13:34	1/6/2022 13:54	0.33	10.67	Flare A-4 Voluntary shutdown LFGTE Plant kept in operation - pre programmed autorestart
1/6/2022 18:14	1/6/2022 18:34	0.33	4.33	Flare A-4 Voluntary shutdown LFGTE Plant kept in operation - pre programmed autorestart
1/6/2022 21:44	1/6/2022 22:04	0.33	3.17	Flare A-4 Voluntary shutdown LFGTE Plant kept in operation - pre programmed autorestart
1/7/2022 4:44	1/7/2022 5:04	0.33	6.67	Flare A-4 Voluntary shutdown LFGTE Plant kept in operation - pre programmed autorestart
1/7/2022 9:24	1/7/2022 9:44	0.33	4.33	Flare A-4 Voluntary shutdown LFGTE Plant kept in operation - pre programmed autorestart
1/7/2022 13:04	1/7/2022 13:24	0.33	3.33	Flare A-4 Voluntary shutdown LFGTE Plant kept in operation - pre programmed autorestart
1/7/2022 16:14	1/8/2022 8:54	16.67	2.83	Flare A-4 Voluntary shutdown LFGTE Plant kept in operation - pre programmed autorestart
1/8/2022 10:44	1/8/2022 11:04	0.33	1.83	Flare A-4 Voluntary shutdown LFGTE Plant kept in operation - pre programmed autorestart
1/8/2022 15:44	1/8/2022 16:04	0.33	4.67	Flare A-4 Voluntary shutdown LFGTE Plant kept in operation - pre programmed autorestart
1/8/2022 19:08	1/8/2022 19:30	0.37	3.07	Flare A-4 Voluntary shutdown LFGTE Plant kept in operation - pre programmed autorestart
1/8/2022 23:44	1/9/2022 0:04	0.33	4.23	Flare A-4 Voluntary shutdown LFGTE Plant kept in operation - pre programmed autorestart
1/9/2022 5:24	1/9/2022 5:44	0.33	5.33	Flare A-4 Voluntary shutdown LFGTE Plant kept in operation - pre programmed autorestart
1/9/2022 10:24	1/11/2022 8:55	46.52	4.67	Flare A-4 Voluntary shutdown LFGTE Plant kept in operation - pre programmed autorestart
1/11/2022 12:56	1/11/2022 13:56	1.00	4.00	Flare A-4 Voluntary shutdown LFGTE Plant kept in operation - pre programmed autorestart
1/11/2022 20:18	1/11/2022 20:36	0.30	6.37	Flare A-4 Voluntary shutdown LFGTE Plant kept in operation - pre programmed autorestart
1/12/2022 3:36	1/12/2022 3:56	0.33	7.00	Flare A-4 Voluntary shutdown LFGTE Plant kept in operation - pre programmed autorestart
1/12/2022 8:46	1/12/2022 9:06	0.33	4.83	Flare A-4 Voluntary shutdown LFGTE Plant kept in operation - pre programmed autorestart
1/12/2022 12:03	1/18/2022 9:48	141.75	2.95	Flare A-4 Voluntary shutdown LFGTE Plant kept in operation - pre programmed autorestart
1/18/2022 10:28	1/18/2022 10:52	0.40	0.67	Flare A-4 Voluntary shutdown LFGTE Plant kept in operation - pre programmed autorestart
1/18/2022 10:58	1/31/2022 13:42	314.73	0.10	Flare A-4 Online through End of Reporting Period
	Total Downtime	**3,406.03**		
	Total Runtime		**999.67**	

Notes:

Events in bold type denotes Malfunction Events (none occurred during the reporting period)

All events listed involved inspection and/or maintenance activities prior to startup (or as soon as feasible following programmed startups) in accordance with Rule 8-34-113 requirements and the BAAQMD Compliance Advisory for Municipal Solid Waste Landfills, dated November 5, 2018.

*The flare was offline due to a malfunction during control system upgrades that caused the Fleetzoom recorder to shut down from July 20, 2021 at approximately 8:34 to July 27, 2021 at 20:40, July 28, 2021 at 11:12 to July 28, 2021 at 20:15, and July 29, 2021 at 9:14 to August 31, 2021 at 00:04.

Table 4. Individual Well Startups, Shutdowns and Decommissions
Potrero Hills Landfill, Suisun City, California
(August 1, 2021 through January 31, 2022)

Well ID	Shutdown	Start-up	Days Offline	Reason for Shutdown
HC15-03	11/1/2021	12/21/2021	50.0	Start up after filling and lateral re-install
PHL2101D	N/A	1/25/2022	N/A	Start up of new well
PHL2101S	N/A	1/25/2022	N/A	Start up of new well
PHL2102D	N/A	1/25/2022	N/A	Start up of new well
PHL2102S	N/A	1/25/2022	N/A	Start up of new well
PHL2104D	N/A	1/25/2022	N/A	Start up of new well
PHL2104S	N/A	1/25/2022	N/A	Start up of new well
PHL2119D	N/A	1/25/2022	N/A	Start up of new well
PHL2119S	N/A	1/25/2022	N/A	Start up of new well
PHL2120D	N/A	1/25/2022	N/A	Start up of new well
PHL2120S	N/A	1/25/2022	N/A	Start up of new well
PHL2121D	N/A	1/25/2022	N/A	Start up of new well
PHL2121S	N/A	1/25/2022	N/A	Start up of new well
PHL2122S	N/A	1/25/2022	N/A	Start up of new well
PHLLMW01	N/A	1/17/2022	N/A	Start up of new well
PHLF2103	N/A	1/13/2022	N/A	Start up of new well
PHLF2106	N/A	1/13/2022	N/A	Start up of new well
PHLF2107	N/A	1/13/2022	N/A	Start up of new well
PHLF2108	N/A	1/13/2022	N/A	Start up of new well
PHLF2109	N/A	1/13/2022	N/A	Start up of new well
PHLF2112	N/A	1/13/2022	N/A	Start up of new well
PHLF2113	N/A	1/13/2022	N/A	Start up of new well
PHL2114D	N/A	1/13/2022	N/A	Start up of new well
PHL2114S	N/A	1/13/2022	N/A	Start up of new well
PHL2115D	N/A	1/13/2022	N/A	Start up of new well
PHL2115S	N/A	1/13/2022	N/A	Start up of new well
PHL2116D	N/A	1/13/2022	N/A	Start up of new well
PHL2116S	N/A	1/13/2022	N/A	Start up of new well
PHL2117D	N/A	1/13/2022	N/A	Start up of new well
PHL2117S	N/A	1/13/2022	N/A	Start up of new well
PHL2118D	N/A	1/13/2022	N/A	Start up of new well
PHL2118S	N/A	1/13/2022	N/A	Start up of new well
PHHZ1901	N/A	12/28/2021	N/A	Start up of new well
PHHZ1902	N/A	12/28/2021	N/A	Start up of new well
PHHZ2001	N/A	12/28/2021	N/A	Start up of new well
PHHZ2002	N/A	12/28/2021	N/A	Start up of new well
PHL2123D	N/A	12/16/2021	N/A	Start up of new well
PHL2123S	N/A	12/16/2021	N/A	Start up of new well
PHL2124D	N/A	12/16/2021	N/A	Start up of new well
PHL2124S	N/A	12/16/2021	N/A	Start up of new well
PHLLMW02	N/A	11/15/2021	N/A	Start up of new well
PHLLMW02	N/A	11/15/2021	N/A	Start up of new well
EW-13-04	N/A	8/23/2021	N/A	Start up of new well

Note: All well downtime events listed are consistent with applicable Rule 8-34 provisions and BAAQMD permit conditions.

Table 5. Wells with Positive Pressure
Potrero Hills Landfill, Suisun City, California
(August 1, 2021 through January 31, 2022)

Well ID	Date and Time	Initial Static Pressure ("H_2O)	Adjusted Static Pressure ("H_2O)	Comments
EW-09-04	8/10/21 10:43	10.32	10.33	Adjusted Valve
EW-09-04	8/13/21 4:49	7.68	7.71	Adjusted Valve
EW-09-04	8/13/21 4:51	14.22	6.89	Second Reading
EW-09-04	9/20/21 9:22	11.58	11.63	Adjusted Valve
EW-09-04	10/27/21 11:48	9.28	9.28	Adjusted Valve
EW-09-04	10/27/21 11:50	10.68	10.7	Second Reading
EW-09-04	11/22/21 12:16	10.72	10.8	Adjusted Valve
EW-09-04	11/22/21 12:17	10.97	10.99	Second Reading
EW-09-04	12/21/21 9:32	-22.21	-22.21	In Compliance
EW-1521	10/4/21 9:48	0.01	0.01	Adjusted Valve
EW-1521	10/4/21 9:49	0	0	In Compliance
EW-1521	10/13/21 11:44	1.73	1.73	Adjusted Valve
EW-1521	10/13/21 11:45	1.77	1.77	Second Reading
EW-1521	11/15/21 10:17	-18.08	-17.16	In Compliance
EW-16-04	8/2/21 10:21	0.12	0.18	Adjusted Valve
EW-16-04	8/2/21 10:23	-0.25	-0.1	In Compliance
EW-16-04	9/13/21 13:46	1.7	1.7	Adjusted Valve
EW-16-04	9/13/21 13:46	1.7	1.7	Second Reading
EW-16-04	9/13/21 13:47	1.95	1.92	Second Reading
EW-16-04	9/28/21 9:55	0.56	0.54	Adjusted Valve
EW-16-04	9/28/21 9:56	-0.62	-0.16	In Compliance
EW-16-04	10/4/21 12:14	0.29	0.33	Adjusted Valve
EW-16-04	10/4/21 12:16	0.11	0.57	Second Reading
EW-16-04	10/13/21 12:10	-0.9	-0.88	In Compliance
PHL1801D	10/27/21 9:13	9.87	9.88	Adjusted Valve
PHL1801D	10/27/21 9:14	10.55	10.56	Second Reading
PHL1801D	10/27/21 12:20	-18.07	-18.06	In Compliance
PHL1802D	11/4/21 12:50	43.2	-0.5	Adjusted Valve
PHL1802D	11/4/21 12:53	-0.53	-0.57	In Compliance
PHL1802S	10/27/21 9:21	2.79	2.85	Adjusted Valve
PHL1802S	10/27/21 9:22	2.8	2.84	Second Reading
PHL1802S	11/10/21 13:21	-0.88	-0.87	In Compliance
PHL2004D	1/13/22 14:45	0.13	-0.45	Adjusted Valve
PHL2004D	1/13/22 14:46	-0.94	-0.94	In Compliance
PHL2008S	12/28/21 12:17	0.45	0.45	Adjusted Valve
PHL2008S	12/28/21 12:18	0.49	0.48	Second Reading
PHL2008S	12/28/21 12:20	-0.17	-0.17	In Compliance
PHL2014D	11/15/21 9:31	31.51	31.52	Adjusted Valve
PHL2014D	11/15/21 9:31	31.97	31.97	Second Reading
PHL2014D	11/30/21 11:11	-17.33	-17.34	In Compliance
PHL2101D	1/25/22 12:21	1.84	-0.42	Adjusted Valve
PHL2101D	1/31/22 11:57	-4.48	-5.13	In Compliance
PHL2118D	1/13/22 14:11	6.02	-0.5	Adjusted Valve
PHL2118D	1/13/22 14:14	-1.34	-1.18	In Compliance

Table 5. Wells with Positive Pressure
Potrero Hills Landfill, Suisun City, California
(August 1, 2021 through January 31, 2022)

PHL2121D	1/25/22 13:42	0.69	-0.53	Adjusted Valve
PHL2121D	1/25/22 13:43	-0.16	-0.16	In Compliance
PHLF2103	1/13/22 13:40	1.36	-0.11	Adjusted Valve
PHLF2103	1/17/22 14:22	-0.41	-1.19	In Compliance
PHLF2109	1/13/22 13:47	0.76	-0.14	Adjusted Valve
PHLF2109	1/17/22 13:40	-2.47	-2.61	In Compliance
PHLF2112	1/13/22 13:58	0.31	-0.14	Adjusted Valve
PHLF2112	1/17/22 13:50	-0.47	-0.48	In Compliance
PHLF2113	1/13/22 14:00	0.03	-0.11	Adjusted Valve
PHLF2113	1/17/22 13:54	-0.5	-0.41	In Compliance

Note: All required corrective action and remonitoring was completed in accordance with Rule 8-34 and NSPS timelines.
*Exceedance remains at end of reporting period. Compliance will be achieved by the 120-day compliance dates specified above.

Table 6. Wells with Oxygen Exceedances
Potrero Hills Landfill, Suisun City, California
(August 1, 2021 through January 31, 2022)

Well ID	Date and Time	Oxygen (%)	Comments
EW-06-04D	12/16/2021 12:45	8.4	Adjusted Valve
EW-06-04D	12/16/2021 12:47	4.4	In Compliance
EW-07-03R	8/2/2021 10:06	19.6	Adjusted Valve
EW-07-03R	8/2/2021 10:09	7.4	Second Reading
EW-07-03R	8/17/2021 20:04	8.8	Adjusted Valve
EW-07-03R	8/17/2021 20:07	10.1	Second Reading
EW-07-03R	9/7/2021 12:02	2.9	In Compliance
EW-07-03R	10/4/2021 9:23	8.2	Adjusted Valve
EW-07-03R	10/4/2021 9:27	4.8	In Compliance
EW-07-03R	11/15/2021 12:32	12.7	Adjusted Valve
EW-07-03R	11/15/2021 12:33	14.2	Second Reading
EW-07-03R	11/22/2021 11:56	14.4	Adjusted Valve
EW-07-03R	11/22/2021 11:57	14.2	Second Reading
EW-07-03R	12/16/2021 12:51	13.1	Adjusted Valve
EW-07-03R	12/16/2021 12:52	12.2	Second Reading
EW-07-03R	1/25/2022 9:32	10	Adjusted Valve
EW-07-03R	1/25/2022 9:32	10.8	Second Reading
EW-07-04R	10/27/2021 12:10	13.1	Adjusted Valve
EW-07-04R	10/27/2021 12:20	11.1	Second Reading
EW-07-04R	11/4/2021 12:16	19.3	Adjusted Valve
EW-07-04R	11/4/2021 12:46	20.1	Second Reading
EW-07-04R	11/15/2021 12:01	19.8	Adjusted Valve
EW-07-04R	11/15/2021 12:01	19.8	Second Reading
EW-07-04R	11/15/2021 12:02	20.1	Second Reading
EW-07-04R	12/16/2021 11:54	20.2	Adjusted Valve
EW-07-04R	12/16/2021 11:54	20.5	Second Reading
EW-07-04R	1/17/2022 14:12	18.8	Adjusted Valve
EW-07-04R	1/17/2022 14:13	19.3	Second Reading
EW-14-23	12/16/2021 11:33	12.2	Adjusted Valve
EW-14-23	12/16/2021 11:34	12.3	Second Reading
EW-14-23	12/21/2021 11:05	5.8	Adjusted Valve
EW-14-23	12/21/2021 11:06	6.4	Second Reading
EW-14-23	1/17/2022 12:32	9.6	Adjusted Valve
EW-14-23	1/17/2022 12:32	9.6	Second Reading
EW-14-23	1/17/2022 12:36	9	Second Reading
EW-19-02	8/2/2021 11:37	7.9	Adjusted Valve
EW-19-02	8/2/2021 11:38	8	Second Reading
EW-19-02	9/13/2021 9:38	0	In Compliance

Table 6. Wells with Oxygen Exceedances
Potrero Hills Landfill, Suisun City, California
(August 1, 2021 through January 31, 2022)

EW-19-02	12/16/2021 12:31	8.5	Adjusted Valve
EW-19-02	12/16/2021 12:33	13.9	Second Reading
EW-19-02	12/21/2021 11:12	0.5	In Compliance
GW-14	12/7/2021 11:00	13.3	Adjusted Valve
GW-14	12/7/2021 11:00	13.3	Second Reading
GW-14	12/7/2021 11:01	12.5	Second Reading
GW-14	12/16/2021 9:38	0.9	In Compliance
GW-15	8/4/2021 10:18	13.8	Adjusted Valve
GW-15	8/4/2021 10:20	14.3	Second Reading
GW-15	8/17/2021 18:27	4.7	In Compliance
GW-15	9/7/2021 10:48	13.7	Adjusted Valve
GW-15	9/7/2021 10:49	13.8	Second Reading
GW-15	9/13/2021 10:17	14.9	Adjusted Valve
GW-15	10/22/2021 12:30	19.2	Adjusted Valve
GW-15	10/22/2021 12:31	19.4	Second Reading
GW-15	11/15/2021 13:49	0	In Compliance
GW-19	8/19/2021 8:46	7.3	Adjusted Valve
GW-19	8/19/2021 8:46	7.3	Second Reading
GW-19	8/19/2021 8:47	7	Second Reading
GW-19	8/30/2021 8:05	9	Adjusted Valve
GW-19	8/30/2021 8:06	9.5	Second Reading
GW-19	9/20/2021 8:03	4.8	In Compliance
GW-19	10/22/2021 12:45	12.8	Adjusted Valve
GW-19	10/22/2021 12:46	15.3	Second Reading
GW-19	11/4/2021 11:29	1.9	In Compliance
HC-15-03	12/21/2021 9:55	19.8	Adjusted Valve
HC-15-03	12/21/2021 9:57	21.4	Second Reading
HC-15-03	1/4/2022 10:28	19.9	Adjusted Valve
HC-15-03	1/4/2022 10:29	20.7	Second Reading
HC-15-07	10/4/2021 12:04	13.2	Adjusted Valve
HC-15-07	10/4/2021 12:04	13.3	Second Reading
HC-15-07	10/13/2021 12:29	0	In Compliance
HC-15-07	12/28/2021 12:09	15.4	Adjusted Valve
HC-15-07	12/28/2021 12:10	17.9	Second Reading
HC-15-07	1/4/2022 11:32	18.4	Adjusted Valve
HC-15-07	1/4/2022 11:33	19.8	Second Reading

Table 6. Wells with Oxygen Exceedances
Potrero Hills Landfill, Suisun City, California
(August 1, 2021 through January 31, 2022)

PHHZ1904	12/16/2021 12:57	13.1	Adjusted Valve
PHHZ1904	12/16/2021 12:58	19.8	Second Reading
PHHZ1904	12/21/2021 11:21	0	In Compliance
PHHZ1904	1/25/2022 9:36	6.3	Adjusted Valve
PHHZ1904	1/25/2022 9:36	3.3	In Compliance
PHL1801D	11/10/2021 13:11	11.1	Adjusted Valve
PHL1801D	11/10/2021 13:12	12.7	Second Reading
PHL1801D	11/15/2021 10:49	14.6	Adjusted Valve
PHL1801D	11/15/2021 10:50	13.4	Second Reading
PHL1801D	12/7/2021 11:43	14.5	Adjusted Valve
PHL1801D	12/7/2021 11:44	14.2	Second Reading
PHL1801D	1/17/2022 13:11	15.9	Adjusted Valve
PHL1801D	1/17/2022 13:11	15.9	Second Reading
PHL1801D	1/17/2022 13:12	13.6	Second Reading
PHL1802D	11/10/2021 13:18	14.6	Adjusted Valve
PHL1802D	11/10/2021 13:19	14.8	Second Reading
PHL1802D	11/15/2021 10:54	17	Adjusted Valve
PHL1802D	11/15/2021 10:56	16.7	Second Reading
PHL1802D	12/7/2021 11:53	0	In Compliance
PHL1803D	9/13/2021 13:32	6.8	Adjusted Valve
PHL1803D	9/13/2021 13:32	6.8	Second Reading
PHL1803D	9/20/2021 10:39	17.9	Adjusted Valve
PHL1803D	9/20/2021 10:39	18.3	Second Reading
PHL1803D	9/28/2021 10:03	1.2	In Compliance
PHL1803D	10/4/2021 11:31	8.7	Adjusted Valve
PHL1803D	10/4/2021 11:32	9.7	Second Reading
PHL1803D	10/13/2021 12:24	3.1	In Compliance
PHL1803D	12/28/2021 11:52	15.7	Adjusted Valve
PHL1803D	12/28/2021 11:53	13.4	Second Reading
PHL1803D	1/4/2022 11:05	3.7	In Compliance
PHL1804D	1/17/2022 13:04	18	Adjusted Valve
PHL1804D	1/17/2022 13:05	0	In Compliance
PHL1805D	9/13/2021 13:15	16.1	Adjusted Valve
PHL1805D	9/20/2021 10:33	1.6	In Compliance
PHL1805D	1/4/2022 10:54	14.8	Adjusted Valve

Table 6. Wells with Oxygen Exceedances
Potrero Hills Landfill, Suisun City, California
(August 1, 2021 through January 31, 2022)

PHL1805D	1/4/2022 10:55	18.4	Second Reading
PHL1805D	1/13/2022 14:52	2.2	In Compliance
PHL2014D	12/16/2021 11:04	7.6	Adjusted Valve
PHL2014D	12/16/2021 11:06	15	Second Reading
PHL2014D	12/21/2021 10:59	0	In Compliance
PHL2114D	1/13/2022 13:50	6.3	Adjusted Valve
PHL2114D	1/13/2022 13:51	6.4	Second Reading
PHL2114D	1/17/2022 13:43	11.4	Adjusted Valve
PHL2114D	1/17/2022 13:44	12.4	Second Reading
PHL2114S	1/13/2022 13:54	10.7	Adjusted Valve
PHL2114S	1/13/2022 13:55	10.6	Second Reading
PHL2114S	1/17/2022 13:47	0.1	In Compliance
PHL2116D	1/17/2022 12:07	14.3	Adjusted Valve
PHL2116D	1/17/2022 12:09	0.3	In Compliance

Note: All required corrective action and monitoring was completed in accordance with Rule 8-34 and NSPS timelines

*Exceedance remains at end of reporting period. Compliance will be achieved by the 120-day compliance

Table 7. Wells with Temperature Exceedances
Potrero Hills Landfill, Suisun City, California
(August 1, 2021 through January 31, 2022)

Well ID	Date and Time	Initial Temp [ ]	Adjusted Temp [ ]	Comments
EW-19-01	8/2/2021 12:35	132	132.1	Adjusted Valve
EW-19-01	8/2/2021 12:35	131.8	131.9	Second Reading
EW-19-01	8/17/2021 20:00	129.1	130	In Compliance
EW-19-01	1/17/2022 14:30	131.3	131.2	Adjusted Valve
EW-19-01	1/17/2022 14:32	129.2	130	In Compliance
EW-19-13	9/13/2021 10:26	131	131.1	Adjusted Valve
EW-19-13	9/13/2021 10:27	131.2	131.2	Second Reading
EW-19-13	9/20/2021 10:06	128.9	129.3	In Compliance
EW-19-18	11/10/2021 14:24	135.6	135.6	Adjusted Valve
EW-19-18	11/15/2021 11:17	119.7	119.7	In Compliance
HC-14-06	9/13/2021 11:40	136.1	136.4	Adjusted Valve
HC-14-06	9/13/2021 11:41	136.5	136.6	Second Reading
HC-14-06	9/20/2021 10:15	130.5	130.4	In Compliance
HC-14-06	10/4/2021 11:10	135.9	136.1	Adjusted Valve
HC-14-06	10/4/2021 11:11	136.4	136.3	Second Reading
HC-14-06	10/13/2021 12:17	135.7	135.7	Adjusted Valve
HC-14-06	10/13/2021 12:18	135.7	135.7	Second Reading
HC-14-06	10/22/2021 11:14	136.5	135.2	Adjusted Valve
HC-14-06	10/22/2021 11:30	135.1	135.3	Second Reading
HC-14-06	11/22/2021 13:08	137.6	137.7	Adjusted Valve
HC-14-06	11/22/2021 13:10	137.5	137.5	Second Reading
HC-14-06	12/21/2021 13:08	135.1	135.1	Adjusted Valve
HC-14-06	1/25/2022 12:57	138.7	138.7	Adjusted Valve
HC-14-06	1/25/2022 12:58	138.3	138.3	Second Reading
PHL1803S	11/10/2021 12:47	134.2	134.3	Adjusted Valve
PHL1803S	11/10/2021 12:48	134.2	134.3	Second Reading
PHL1803S	11/10/2021 12:48	134.7	134.7	Second Reading
PHL1803S	11/15/2021 10:44	134.9	136.7	Adjusted Valve
PHL1803S	11/15/2021 10:44	137.2	137.1	Second Reading
PHL1803S	12/28/2021 11:55	136.9	136.4	Adjusted Valve
PHL1803S	12/28/2021 11:55	136.9	136.4	Second Reading
PHL1803S	12/28/2021 11:56	135.3	135.3	Second Reading
PHL1803S	1/4/2022 11:07	134.6	134.6	Adjusted Valve
PHL1803S	1/4/2022 11:08	134.4	134.4	Second Reading
PHL1804D	10/27/2021 9:06	131.8	132	Adjusted Valve
PHL1804D	10/27/2021 9:07	131.3	131.8	Second Reading
PHL1804D	11/4/2021 12:59	133.9	130.7	Adjusted Valve
PHL1804D	11/4/2021 13:04	129.1	129.1	In Compliance
PHL1804D	11/10/2021 13:01	133.3	133.4	Adjusted Valve
PHL1804D	11/10/2021 13:02	133.2	133.2	Second Reading
PHL1804D	11/15/2021 11:04	133.3	133.3	Adjusted Valve
PHL1804D	11/15/2021 11:05	133.4	133.4	Second Reading
PHL1804D	12/7/2021 11:37	133.6	133.6	Adjusted Valve
PHL1804D	12/7/2021 11:38	133.4	133.4	Second Reading
PHL1804D	1/17/2022 13:04	133.7	133.8	Adjusted Valve
PHL1804D	1/17/2022 13:05	133.9	133.9	Second Reading

Table 7. Wells with Temperature Exceedances
Potrero Hills Landfill, Suisun City, California
(August 1, 2021 through January 31, 2022)

Well ID	Date and Time	Initial Temp [ ]	Adjusted Temp [ ]	Comments
PHL1808D	9/13/2021 12:50	132.3	133.2	Adjusted Valve
PHL1808D	9/13/2021 12:51	134.3	134.3	Second Reading
PHL1808D	9/20/2021 10:29	130.4	129.9	In Compliance
PHL1808D	11/10/2021 12:25	136.9	138.2	Adjusted Valve
PHL1808D	11/10/2021 12:26	138.7	138.7	Second Reading
PHL1808D	11/15/2021 10:35	138.9	138.9	Adjusted Valve
PHL1808D	11/15/2021 10:36	138.9	139	Second Reading
PHL1808D	12/28/2021 11:34	134.5	134.3	Adjusted Valve
PHL1808D	12/28/2021 11:35	133.2	132.4	Second Reading
PHL1808D	1/4/2022 10:46	132.1	132	Adjusted Valve
PHL1808D	1/4/2022 10:47	130.2	130.2	In Compliance
PHL2002D	8/2/2021 12:37	131.5	131.7	Adjusted Valve
PHL2002D	8/2/2021 12:39	132.2	132.3	Second Reading
PHL2002D	8/17/2021 18:50	129.1	129.5	In Compliance
PHL2002D	9/13/2021 11:28	131.6	131.7	Adjusted Valve
PHL2002D	9/20/2021 10:19	128.4	129	In Compliance
PHL2004D	8/2/2021 13:11	148.3	148.4	Adjusted Valve
PHL2004D	8/2/2021 13:13	149.2	149.2	Second Reading
PHL2004D	9/13/2021 12:25	149	149.1	Adjusted Valve
PHL2004D	9/13/2021 12:25	149.3	149.3	Second Reading
PHL2004D	10/4/2021 12:09	148.4	148.6	Adjusted Valve
PHL2004D	10/4/2021 12:10	148.9	148.9	Second Reading
PHL2004D	10/13/2021 12:35	147.8	147.9	Adjusted Valve
PHL2004D	10/13/2021 12:35	148	148	Second Reading
PHL2004D	10/22/2021 10:48	148.5	146.7	Adjusted Valve
PHL2004D	10/22/2021 10:50	147.2	147.2	Second Reading
PHL2004D	11/4/2021 13:14	146.6	146.9	Adjusted Valve
PHL2004D	11/4/2021 13:18	147.8	147.9	Second Reading
PHL2004D	11/10/2021 9:29	148	148	Adjusted Valve
PHL2004D	11/10/2021 9:30	147.9	147.9	Second Reading
PHL2004D	11/15/2021 11:22	147.7	148.1	Adjusted Valve
PHL2004D	11/15/2021 11:23	148.4	148.3	Second Reading
PHL2004D	11/22/2021 11:39	148.9	149	Adjusted Valve
PHL2004D	11/22/2021 11:40	148.9	148.9	Second Reading
PHL2004D	11/30/2021 11:15	147.6	147.6	Adjusted Valve
PHL2004D	11/30/2021 11:16	147.2	147.2	Second Reading
PHL2004D	12/7/2021 13:52	149.9	149.9	Adjusted Valve
PHL2004D	12/7/2021 13:54	149.6	149.6	Second Reading
PHL2004D	12/16/2021 10:42	146.6	145.6	Adjusted Valve
PHL2004D	12/16/2021 10:43	145.6	145.7	Second Reading
PHL2004D	12/21/2021 13:28	148.1	148.1	Adjusted Valve
PHL2004D	12/21/2021 13:29	148	148	Second Reading
PHL2004D	12/28/2021 13:01	147.4	147.6	Adjusted Valve
PHL2004D	12/28/2021 13:02	147.3	147.4	Second Reading
PHL2004D	1/4/2022 12:12	147.8	147.9	Adjusted Valve
PHL2004D	1/4/2022 12:12	148.1	148	Second Reading
PHL2004D	1/13/2022 14:45	149.1	149.3	Adjusted Valve
PHL2004D	1/13/2022 14:46	149.3	149.3	Second Reading
PHL2004D	1/17/2022 10:36	148	146.4	Adjusted Valve
PHL2004D	1/17/2022 10:37	146.2	146.2	Second Reading
PHL2004D	1/25/2022 11:43	149.1	149.2	Adjusted Valve

Table 7. Wells with Temperature Exceedances
Potrero Hills Landfill, Suisun City, California
(August 1, 2021 through January 31, 2022)

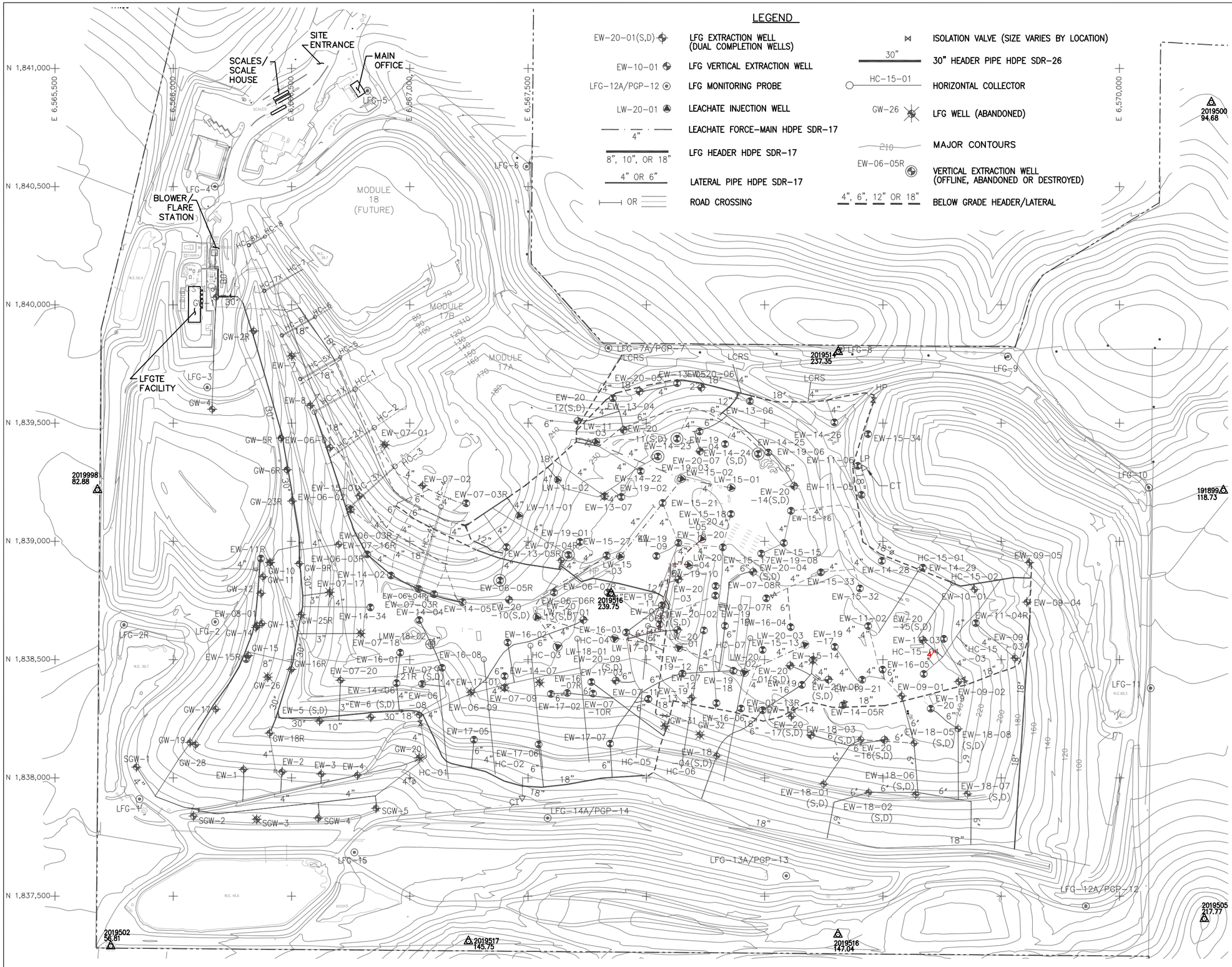
Well ID	Date and Time	Initial Temp [ ]	Adjusted Temp [ ]	Comments
PHL2004D	1/25/2022 11:44	149.5	149.5	Second Reading
PHL2004D	1/31/2022 10:52	149.1	148.5	Adjusted Valve
PHL2004D	1/31/2022 10:53	148.5	148.5	Second Reading
PHL2010D	8/2/2021 10:50	136.8	136.8	Adjusted Valve
PHL2010D	8/2/2021 10:51	136.9	136.9	Second Reading
PHL2010D	8/17/2021 18:59	127	115.8	In Compliance
PHL2010D	12/16/2021 11:59	134	133.9	Adjusted Valve
PHL2010D	12/16/2021 12:00	133.8	133.8	Second Reading
PHL2010D	12/21/2021 11:17	134.7	134.4	Adjusted Valve
PHL2010D	12/21/2021 11:18	134.4	134.5	Second Reading
PHL2010D	1/31/2022 11:36	139.5	139.5	Adjusted Valve
PHL2010D	1/31/2022 11:37	139.4	139.4	Second Reading
PHL2012S	8/2/2021 11:08	131.5	131.4	Adjusted Valve
PHL2012S	8/2/2021 11:09	131.2	131.1	Second Reading
PHL2012S	8/17/2021 19:15	127.8	127.8	In Compliance
PHL2013D	8/2/2021 12:14	139.4	139.5	Adjusted Valve
PHL2013D	8/2/2021 12:16	139.7	139.7	Second Reading
PHL2013D	8/17/2021 19:57	129.4	116.9	In Compliance
PHL2013D	9/13/2021 9:39	139.2	139.2	Adjusted Valve
PHL2013D	9/13/2021 9:40	139.3	139.4	Second Reading
PHL2013D	9/20/2021 9:58	122.5	124	In Compliance
PHL2013D	10/4/2021 10:28	138.1	138.4	Adjusted Valve
PHL2013D	10/4/2021 10:29	138.6	138.6	Second Reading
PHL2013D	10/13/2021 11:33	138	138.1	Adjusted Valve
PHL2013D	10/13/2021 11:34	138.1	138.1	Second Reading
PHL2013D	10/22/2021 11:34	138.8	138.8	Adjusted Valve
PHL2013D	10/22/2021 11:35	138.8	138.8	Second Reading
PHL2013D	11/15/2021 12:39	137.7	137.8	Adjusted Valve
PHL2013D	11/15/2021 12:43	137.8	137.9	Second Reading
PHL2013D	11/22/2021 11:47	137.3	137.3	Adjusted Valve
PHL2013D	11/22/2021 11:47	137.4	137.4	Second Reading
PHL2013D	12/21/2021 12:02	134.2	134.7	Adjusted Valve
PHL2013D	12/21/2021 12:03	134.3	134.3	Second Reading
PHL2013D	1/25/2022 13:57	137.5	137.8	Adjusted Valve
PHL2013D	1/25/2022 13:58	137.8	137.7	Second Reading
PHL2016S	8/2/2021 10:50	133.4	133.7	Adjusted Valve
PHL2016S	8/2/2021 10:52	133.9	133.9	Second Reading
PHL2016S	8/17/2021 18:39	126.1	120.1	In Compliance
PHL2016S	11/10/2021 12:41	133.8	133.8	Adjusted Valve
PHL2016S	11/10/2021 12:42	133.7	133.7	Second Reading
PHL2016S	11/15/2021 10:40	130.7	130.8	In Compliance
PHL2102S	1/31/2022 12:01	135	135	Adjusted Valve
PHL2102S	1/31/2022 12:01	134.7	134.7	Second Reading
PHL2104S	1/31/2022 12:07	131.8	131.7	Adjusted Valve
PHL2104S	1/31/2022 12:08	131.3	131.3	Second Reading

Table 7. Wells with Temperature Exceedances
Potrero Hills Landfill, Suisun City, California
(August 1, 2021 through January 31, 2022)

Well ID	Date and Time	Initial Temp [ ]	Adjusted Temp [ ]	Comments
PHL2117S	1/13/2022 14:26	133.2	133.3	Adjusted Valve
PHL2117S	1/13/2022 14:27	133.2	133.2	Second Reading
PHL2117S	1/17/2022 11:48	136.1	134.2	Adjusted Valve
PHL2117S	1/17/2022 11:59	135.6	135	Second Reading
PHL2118D	1/13/2022 14:11	149.6	152	Adjusted Valve
PHL2118D	1/13/2022 14:14	152.2	152	Second Reading
PHL2118D	1/17/2022 11:03	149.2	145.3	Adjusted Valve
PHL2118D	1/25/2022 11:52	148.6	148.4	Adjusted Valve
PHL2118D	1/25/2022 11:52	148.5	148.6	Second Reading
PHL2118D	1/31/2022 10:41	147.6	146.4	Adjusted Valve
PHL2118D	1/31/2022 10:42	146.5	146.4	Second Reading
PHL2119D	1/25/2022 11:15	143.2	136.4	Adjusted Valve
PHL2119D	1/25/2022 11:16	136.9	136.9	Second Reading
PHL2119D	1/31/2022 10:19	141.7	141.8	Adjusted Valve
PHL2119D	1/31/2022 10:20	142.3	142.3	Second Reading
PHL2120D	1/25/2022 11:36	141.1	141.4	Adjusted Valve
PHL2120D	1/25/2022 11:38	144.2	144.2	Second Reading
PHL2120D	1/31/2022 10:30	148.1	148.3	Adjusted Valve
PHL2120D	1/31/2022 10:31	148.3	148.3	Second Reading
PHL2120S	1/31/2022 10:23	132.2	132.1	Adjusted Valve
PHL2120S	1/31/2022 10:23	132	132	Second Reading
PHL2121D	1/25/2022 13:42	134.9	135.4	Adjusted Valve
PHL2121D	1/25/2022 13:43	135.4	135.4	Second Reading
PHL2121D	1/31/2022 11:07	135.4	135.3	Adjusted Valve
PHL2121D	1/31/2022 11:08	135.1	135.1	Second Reading
PHL2121S	1/25/2022 13:39	137.4	134.4	Adjusted Valve
PHL2121S	1/25/2022 13:40	134.4	134.4	Second Reading
PHL2121S	1/31/2022 11:05	133.4	133.7	Adjusted Valve
PHL2121S	1/31/2022 11:06	133.3	133.3	Second Reading
PHL2124D	12/16/2021 14:16	132.6	132.6	Adjusted Valve
PHL2124D	12/16/2021 14:17	132.8	132.8	Second Reading
PHL2124D	12/21/2021 11:25	135.9	135.8	Adjusted Valve
PHL2124D	12/21/2021 11:26	135.4	135.4	Second Reading
PHL2124D	1/25/2022 14:33	138.6	138.6	Adjusted Valve
PHL2124D	1/25/2022 14:34	138.1	138.1	Second Reading

Note: All required corrective action and remonitoring was completed in accordance with Rule 8-34 and NSPS timelines.
*Exceedance remains at end of reporting period. Compliance will be achieved by the 120-day compliance date specified above.

Appendix A – Existing GCCS Layout



100 0 100 200 300

SCALE 1"=200'

DRAWING IS HALF-SIZE AT 11x17

EXISTING LFG SYSTEM PLAN NOTES

1. SOME EXISTING LANDFILL GAS (LFG) FACILITIES SHOWN MAY HAVE BEEN BURIED, RE-ALIGNED, OR OTHERWISE REMOVED DURING THE COURSE OF GCCS INSTALLATIONS AT THE SITE. AS SUCH, THIS DRAWING SHOULD BE USED SOLELY FOR INFORMATIONAL PURPOSES FOR GENERAL LOCATIONS OF EXISTING LFG SYSTEM FACILITIES. FIELD VERIFICATION OF FACILITIES SHOWN WITHIN THE CONTRACT WORK AREA WILL REQUIRE TO BE VERIFIED BY THE CONTRACTOR PRIOR TO PERFORMING ANY INSTALLATIONS UNDER THE CONTRACT WORK.

SURVEY CONTROL

2019505 △ 217.77	2019514 △ 237.35
191899 △ 118.73	2019998 △ 82.88
2019516 △ 239.75	

TOPOGRAPHICAL INFORMATION

Potrero Hills Landfill

Date of Photography: 02-11-2020
Horizontal Coordinate System: Local Coordinate System, Survey Feet

Photogrammetry By:
Continental Mapping Consultants, LLC
100 QBE Way, Suite 1225
Sun Prairie, WI 53590

Compilation Date: 03/2020
CMC Job No: J19002

CONTINENTAL MAPPING CONSULTANTS, Inc.

NO.	REVISION	DATE

SHEET TITLE: EXISTING GCCS PLAN

PROJECT TITLE: POTRERO HILLS LANDFILL SEMI-ANNUAL REPORTING SUISUN CITY, CALIFORNIA 94585

SCS ENGINEERS
STEARNS, CONRAD, AND SCHMIDT
CONSULTING ENGINEERS & CONTRACTORS
3117 FITE CIRCLE, SUITE 108
SACRAMENTO, CA 95827
PH. (916) 361-1297 FAX. (916) 361-1299

PROJ. NO.	DSN. BY:	DWN. BY:	CHK. BY:	APP. BY:
01204092	MJE/AAS	MJE	HMD	MOC

ACAD FILE: SHT-2 FECS.21621

DATE: 2-16-21

SCALE: AS SHOWN

FIGURE: 1

Appendix B – Excerpts from the 2021 Source Test Results (report dated January 12, 2022)

Source Test Report

POTRERO HILLS LANDFILL LANDFILL
SUISUN CITY, CA

Landfill Gas Fired Flares S-A2 & S-A4

NOx, CO, CH_4 & NMOC Emission Results & Landfill Gas Characterization

Facility #2039, Condition #1948
NST-6989 & 6990

Test Date: November 30, 2021

Report Date: January 12, 2022

Performed and Reported by:

BEST ENVIRONMENTAL
339 Stealth Court
Livermore, CA 94551
Phone: (925) 455-9474
Fax: (925) 455-9479

Prepared For:

Potrero Hills Landfill
3675 Potrero Hills Lane
Suisun City, CA 94585
Attn: Mr. Jamison Pfister, P.E.

For Submittal To:

Bay Area Air Quality Management District
375 Beale Street, Suite 600
San Francisco, CA 94105-2006

REVIEW AND CERTIFICATION

Team Leader:

The work performed herein was conducted under my supervision, and I certify that the details and results contained within this report are to the best of my knowledge an authentic and accurate representation of the test program. If this report is submitted for compliance purposes it should only be reproduced in its entirety. If there are any questions concerning this report, please call the Team Leader or Reviewer at (925) 455-9474.

Basim (Bobby) Asfour
Principal

Reviewer:

I have reviewed this report for presentation and accuracy of content, and hereby certify that to the best of my knowledge the information is complete and correct.

for
William Johnston
Project Manager

Source Test Information

Source Owner:	Potrero Hills Landfill 3675 Potrero Hills Lane Suisun City, CA 94585
Plant No.:	2039
Source Contractor:	Waste Connections Attn: Mr. Jamison Pfister
Source:	Landfill Gas Flares, S-A2 & S-A4
Permit:	Condition #1948
Test Parameters:	O_2, NOx, CO, NMOC and H_2S

Emission Limits:		
	NOx:	0.06 lbs/MMBtu
	CO:	0.20 lbs/MMBtu
	CH4 D.E:	99%
	NMOC:	30 ppm @ 3% O_2 (as CH_4)
	NMOC D.E.	98%
	TRS:	560 ppm H_2S in the LFG

Emission Results:	**A2**	**A4**
NOx, lbs/MMBtu:	0.04	0.04
CO, lbs/MMBtu:	<0.01	<0.01
CH_4 % D.E:	>99.997	>99.997
NMOC ppm @ 3% O2:	<2.4	<2.4
NMOC % D.E.	>99	>99
TRS ppmv:	453	390.4

Source Testing Firm:	BEST ENVIRONMENTAL 339 Stealth Court Livermore, CA 94551
Phone:	(925) 455-9474
Email:	bestair@best-enviro.com
Contact:	Bobby Asfour
Test Date:	November 30, 2021
NST No.:	6989 (A2) & 6990 (A4)
Analytical Laboratories:	Atmospheric Analysis & Consultants (M25C & TO 15) Phone: (805) 650-1642
	BEST ENVIRONMENTAL (CH4, NMOC, TRS, HHV, F factor, fixed gases) Phone: (925) 455-9474

SECTION 1. INTRODUCTION

1.1. Test Purpose

Best Environmental (BE) was contracted by Waste Connections to perform emissions testing on two landfill gas (LFG) flares, sources S-A2 & S-A4 (A2 & A4) located at the Potrero Hills Landfill in Suisun City, CA. The purpose of the test to comply with Bay Area Air Quality Management District (BAAQMD) Regulation 8, Rule 34 as well as Permit Condition #1948. Testing was performed at the flares exhaust to measure concentrations of Oxygen (O_2), Oxides of Nitrogen (NOx), Carbon Monoxide (CO) and Nonmethane Organic Compounds (NMOC). Concurrent with the source test, LFG samples were collected to be analyzed for the parameters specified in permit conditions 11b. & 12. A copy of the Permit is included in the appendices.

1.2. Test Location

The test was conducted on the flares located at the Potrero Hills Landfill 3675 Potrero Hills Lane, Suisun City, CA 94585. (Facility #2039).

1.3. Test Date

Testing was conducted on November 30, 2021.

1.4. Test Parameters and Methods

The following emission parameters were measured.

Parameter	Test Methods
Exhaust	
THC, NOx, CO & O_2	EPA Methods 25A, 7E, 10 & 3A
DSCFM	EPA Method 19
Inlet/LFG	
Inlet NMOC & CH_4	EPA Method 25C & 18
Fixed Gases, Btu/CF & F Factor	ASTM D-1945 & 3588
LFG Organics	EPA TO-15
H_2S	ASTM 6228

1.5. Sampling and Observing Personnel

The test notification was submitted to the BAAQMD on November 1, 2021 by BE and assigned a Notice of Source Test Number 6989 & 6990 for sources A2 and A4. Bobby Asfour and Burt Kusich of BE performed the test. Jamison Pfister from Waste Connections coordinated the test program. Facility personnel were onsite during testing. No representatives from the BAAQMD were present to witness the test.

SECTION 2. SUMMARY OF RESULTS

2.1. Emission Results

Table 2.1 summarizes the Average Test Results. The Landfill Gas Characterization results can be found in the laboratory reports section (Appendix B). Triplicate 30-minute runs were performed at the outlet for all test parameters. Samples of LFG were collected for each run and analyzed for fixed gases, NMOC, VOC speciation and sulfur analysis. A more extensive summary of the emissions is presented in Table 1 & 2 on page 7 & 8. The test was conducted according to approved EPA test methods.

Table 2.1: Average Test Results
Flare A2 & A4

Parameter	Average Results A2	Average Results A4	Limits
NOx, lbs/MMBtu	0.0395	0.0414	**0.06**
CO, lbs/MMBtu	<0.0039	0.0051	**0.20**
NMOC, ppm @ 3% O_2 (as CH_4)	<2.41	<2.38	**30**
CH_4 Destruction Efficiency	>99.997	>99.997	**99%**
NMOC Destruction Efficiency	>99.3	>99.3	**98%**
Inlet LFG TRS (surrogate for SO_2)	453.1	390.4	**560**

2.2. Allowable Emissions

See Table 2.1 above. The test results show that the flares are operating within the PTO emission limits.

2.3. Comments: Discussion of Quality Assurance and Errors

Quality assurance procedures listed in the above referenced test methods and referenced in the Source Test Plan were performed and documented. The QA/QC procedures are described in Section 4.3 of the report. Documentation of the QA/QC is provided in Appendix A, B & D.

Outlet total hydrocarbons (THC) measured as methane is assumed equal to NMOC as methane. Outlet methane concentration was not measured since the THC concentration was at the detection limit.

Total Reduced Sulfur (TRS) as H_2S was measured in the collected LFG and used as a surrogate for monitoring SO_2 in the flare exhaust.

Process data including gas flowrate, flare temperature and the gas meter calibration are presented in Appendix E.

SECTION 3. SOURCE OPERATION

3.1. Process Description

The landfill gas fired flares are a control device for the treatment of landfill gas (mainly methane, carbon dioxide and nitrogen) that is generated from the decomposition of waste. The gas is collected in a network of interconnected pipes from several landfill gas extraction wells that draw a vacuum on the vapors in the landfill. The vapors are treated to remove condensate and particulate material, and then they are incinerated in the flares.

3.2. Flow Diagram

A digital image of the flare stack is contained in Appendix E.

3.3. Process and Control Operating Parameters

Table 3.1 shows the Flare Process Data for each run. Flare temperature and fuel flow rate data was provided by the facility.

Table 3.1 Flare Process Data

Parameter	Fuel Flow Meter, SCFM	Flare Temp., ºF
Flare A2		
Run 1	616	1,555
Run 2	621	1,554
Run 3	614	1,552
Flare A4		
Run 1	396	1,530
Run 2	475	1,530
Run 3	465	1,529

3.4. Normal Operating Parameters

The flares were operating normally during the test periods.

3.5. Testing or Process interruptions and Changes

There were no testing or process interruptions during the test series.

SECTION 4. SAMPLING AND ANALYSIS PROCEDURES

4.1. Port Location

Emissions from the flare were sampled via a circular stack with two ports 90^o apart located approximately 5 stack diameters downstream of the burners and 1 stack diameter upstream from the exit. Access to the sampling ports was provided using a 40-foot boom-lift. The fuel lines to the flare are used to access a sample port/tap. See appendix F for digital images.

4.2. Point Description/Labeling – Ports/Stack

The stack ports were not labeled but were designated as facing north and west. The sample probe was traversed for each run using either a 3-point or 12-traverse according to EPA Method 7E specification.

4.3. Method Description, Equipment, Sampling, Analysis and QA/QC

Sampling and analytical procedures of the methods were followed as published in the EPA code of federal regulation (40 CFR Part 60).

The following is an overview of the Testing Performed

Parameter	Location	Methods	Duration	# of Runs
THC, NO_x, CO & O_2	Exhaust	EPA 25A, 7E, 10 and 3A	30 mins	3
Flow Rate	Exhaust	EPA 19	concurrent	3
LFG organics	Inlet	TO-15	30 mins	1
C1-C6, O_2, N_2, BTU-Fixed Gasses, H_2S	Inlet	ASTM D-1945/3588/6228	30 mins	1
Flow Rate & Flare Temp.	Inlet	Flare Metering System	concurrent	3
NMOC & CH_4	Inlet	EPA Methods 18 & 25C	30 mins	3

EPA Method 7E, 10 & 3A are all continuous monitoring techniques using instrumental analyzers. Sampling is performed by extracting exhaust flue gas from the stack, conditioning the sample and analyzing the flue gas using continuous monitoring gas analyzers in a CEM test van. The sampling system consists of a stainless-steel sample probe, Teflon sample line, glass-fiber particulate filter, glass moisture-knockout condensers in ice, Teflon sample transfer tubing, diaphragm pump and a stainless steel/Teflon manifold and flow control/delivery system. A constant sample and calibration gas supply pressure of 5 PSI is provided to each analyzer to avoid pressure variable response differences. The entire sampling system is leak checked prior to and at the end of the sampling program.

The BE sampling and analytical system is checked for linearity with zero, mid and high-level span calibration gases, and is checked for system bias at the beginning of the test day. System bias is determined by pulling calibration gas through the entire sampling system. Individual test run calibrations uses the calibration gas, which most closely matches the stack gas effluent. The calibration gases are selected to fall approximately within the following instrument ranges; 80 to 95

percent for the high calibration, 40 to 60 percent for the mid-range and zero. Bias zero and calibration drift values are determined for each test run.

EPA Methods 7E, 10 & 3A met the following criteria:

System Criteria

Instrument Linearity	2% Calibration Span or 0.5 difference
Instrument Bias	5% Calibration Span or 0.5 difference
Calibration Gas	2% Value
NO_2 converter efficiency	>90%

Test Criteria

Instrument Zero Drift	3% Calibration Span or 0.5 difference
Instrument Span Drift	3% Calibration Span or 0.5 difference

EPA 25A (THC as methane by FID) is an accepted method for the determination of Total Hydrocarbons (THC). A flame ionization detector (FID) total hydrocarbon continuous monitor is used for the sampling. The sampling and calibrations are performed through an all-heated sample line connected directly to the THC analyzer. The FID in the analyzer is heated to 190 ^oC. The calibration gases are selected to fall within the following instrument ranges; 80 to 90 percent for the high calibration, 45 to 55 percent for the mid-range calibration, 25 to 35 percent for the low range calibration and zero. Zero and mid external calibration drift values are determined for each test run. Total non-methane organic compounds (NMOC) are assumed equivalent to VOC.

EPA Method 25A met the following QA/QC method requirements:

System Criteria

Instrument Linearity	≤ 5% Calibration Gas Conc.

Test Criteria

Instrument Zero Drift	≤ 3% Span Range
Instrument Span Drift	≤ 3% Span Range

The following continuous monitoring analyzers were used:

Parameter	Make	Model	Principle
NO_x	CAI	600CLD	Chemiluminescence
CO	TECO	48i	GFC IR analyzer
O_2	CAI	100P	Paramagnetic
THC	CAI	300M	HFID

All BE calibration gases are EPA Protocol # 1. The analyzer data recording system consists of multi-channel strip chart recorders, which is supported by BE's Computer Data Acquisition System (DAS). The NO_2 converter was checked onsite and confirmed to be > 90% efficient.

EPA Method 18 is used to determine carbon speciated hydrocarbons (C_1, C_2 & C_3+) emissions by gas chromatograph / Flame Ionization Detection (GC/FID). Gaseous emissions are drawn through a Teflon sample line to a tedlar bag located in a rigid leak proof bag container. Sample is drawn into the bag by evacuating the container to stack gas pressure to allow sample flow

without using a pump to avoid contamination. Negative pressure is adjusted to maintain an integrated sample flow between 20 to 60 minutes. The bag samples are taken to a laboratory and analyzed within 72 hours. The results are reported as methane with a detection limit of 0.5 ppm for non-methane non-ethane organic compounds (C_3+).

EPA Method 19 is used to determine stack gas volumetric flow rates using oxygen-based F-factors. F-factors are ratios of combustion gas volumes generated from heat input. The heating value of the fuel in Btu per cubic foot is determined from the analysis of fuel gas samples using gas chromatography (GC). Dedicated fuel meters monitor total fuel consumption for the source. The total cubic feet per hour of fuel multiplied times the Btu/CF provides million Btu per hour (MMBTU) heat input. The heat input in MMBTU/hr is multiplied by the F-factor (DSCF/MMBTU) and adjusted for the measured oxygen content of the source to determine volumetric flow rate. This procedure is proposed for pollutants whose compliance standards are based on emission rates (lb/day) or emission factors (lb/MMBtu).

EPA Method 25C (NMOC). Inlet gases are filled into summa cans corresponding to the test program. The samples are analyzed for Non-Methane Organic Compound (NMOC) by EPA Method 25C using GC/FID (gas chromatography/flame ionization detector). Results are referenced to methane.

ASTM D-1945, D-3588, 6228 analysis is used to determine the composition of fuel gas (e.g. Methane, fixed gases & BTU Content, H_2S). Inlet gases are filled into a tedlar bag, the bag is labeled respectively then sent to a laboratory and analyzed for total sulfur, fixed gases, methane and C_1-C_6 using GC/FID/TCD/FPD (gas chromatography/flame ionization detector/thermal conductivity detector/flame photometric detector). Each compound has calorific values that are used to calculate the gas higher heating values.

TO-15 analysis is used to determine concentrations of speciated Organic compounds. Inlet gases are filled into Summa cans corresponding to the test program. The bags are labeled respectively then sent to a laboratory and analyzed for GC/MS (gas chromatography/mass spectrometer) within 72 hours. For more information on the lab analysis, refer to Appendix B for method description and QA/QC.

4.4. Analytical Laboratories

Triplicate inlet and three outlet Tedlar bag samples were collected for each run. BE analyzed samples for C_1, C_2, C_3+, HHV and sulfur (EPA 18 & ASTM D-1945/3588/6228). Triplicate canister samples collected for NMOC and speciated VOC analyses. Atmospheric Analysis performed the EPA25C & TO-15 analysis.

For more information on the analysis procedure and QA/QC refer to Appendix B.

TABLE #1
Potrero Hills Landfill
LFG Flare (A-2)
NOx, CO, CH_4, VOC & SOx Test Results
Permit Condition #1948

TEST	1	2	3	AVERAGE	LIMIT
Test Date	11/30/21	11/30/21	11/30/21		
Test Time	1302-1332	1341-1411	1421-1451		
Standard Temp., °F					
Process Parameters					
Flare Temp., ^oF	1,555	1,554	1,552	**1,554**	**1,504**
Fuel F-Factor, DSCF/MMBtu @ 70^oF	9,767	9,908	9,887	9,854	
Flare, MMBtu/hr	16.56	16.66	16.54	16.58	
Inlet Methane (CH_4) Content, %	44.34	44.15	44.37	44.29	
Inlet Fuel Flow Rate, DSCFM	616	621	614	617	
Outlet Emissions					
Outlet Flow Rate, DSCFM (M19)	7,451	7,697	7,874	7,674	
O_2, %	13.34	13.43	13.67	13.48	
CO_2, %	6.96	6.88	6.62	6.82	
NOx, ppm	11.69	12.29	11.85	11.94	
NOx, lbs/hr	0.717	0.778	0.767	0.754	
NOx, lbs/day	17.20	18.67	18.41	18.09	
NOx, lbs/MMBtu	0.0376	0.0406	0.0403	**0.0395**	**0.06**
CO, ppm	<1.00	<1.00	3.76	1.92	
CO, lbs/hr	<0.037	<0.039	0.148	0.075	
CO, lbs/day	<0.90	<0.92	3.56	1.79	
CO, lbs/MMBtu	<0.0020	<0.0020	<0.0078	**<0.0039**	**0.2**
THC, ppm as methane	<1.00	<1.00	<1.00	<1.00	
CH_4, ppm	<1.00	<1.00	<1.00	<1.00	
CH_4, lbs/hr	<0.021	<0.022	<0.023	<0.022	
NMOC, ppm as methane	<1.00	<1.00	<1.00	<1.00	
NMOC, ppm @ 3% O_2 as Methane [1]	<2.37	<2.40	<2.47	**<2.41**	**30**
NMOC, lbs/hr	<0.021	<0.020	<0.020	<0.020	
NMOC, lbs/MMBtu as methane	<0.001	<0.001	<0.001	<0.001	
Inlet Emissions					
Inlet CH_4, ppm	443,400	441,500	443,700	442,867	
Inlet CH_4, lbs/hr	781.2	784.2	779.2	781.5	
Inlet NMOC, ppm as methane	1,740	1,661	1,636	1,679	
Inlet NMOC, lbs/hr	3.066	2.950	2.873	2.963	
Efficiency					
NMOC, Destruction Efficiency %	>99.3%	>99.3%	>99.3%	**>99.3%**	**98%**
CH_4, Destruction Efficiency %	>99.997%	>99.997%	>99.997%	**>99.997%**	**99%**
Landfill Gas Sulfur Content					
Inlet Total Sulfur as H_2S, ppm	439.10	456.00	464.10	**453.07**	**560**

[1] used for compliance

WHERE:

MW = Molecular Weight
DSCFM = Dry Standard Cubic Feet Per Minute
ppm = Parts Per Million Concentration
lbs/hr = Pound Per Hour Emission Rate
lbs/MMBtu = Pounds per million BTU
H_2S = Hydrogen Sulfide (M.W. = 32)
SO_2 = Sulfur Dioxide (MW = 64)
CO = Carbon Monoxide (MW = 28)
NOx = Oxides of Nitrogen as NO_2 (MW = 46)
THC = Total Hydrocarbons as Methane (MW = 16)
VOC = Total Non-Methane Hydrocarbons as Methane-C1 (MW = 16) CH_4
VOC = Total Non-Methane Hydrocarbons as Hexane-C6 (MW = 86.18) C_6H_{14}
lbs/MMCF = Pounds per million standard cubic feet of Nat. Gas

CALCULATIONS:

VOC ppm = THC ppm - CH_4 ppm
lbs/hr = ppm * DSCFM * MW *60 / 379 x 10^6 (@60^oF)
lbs/hr (SOx)= ppm as H_2S * DSCFM (inlet) * MW * 60 / 379 x 10^6 (@60^oF)
lbs/day = lbs/hr * 24
Removal Efficiency = (inlet lbs/hr-outlet lbs/hr) / Inlet lbs/hr
ppm @ 3% O_2 = ppm * 17.9 / (20.9-stack O_2)
lbs/MMBtu = Fd * M.W.* ppm * 2.59E-9 * (20.9/(20.9-%O_2))
SO_2 ppm (outlet) = lbs/hr / (DSCFM * M.W. * 60) * 385E6
lbs/MMCF = (lbs/hr * 1,000,000) / (Fuel SCFM * 60)

TABLE #2
Potrero Hills Landfill
LFG Flare (A-4)
NOx, CO, CH_4, VOC & SOx Test Results
Permit Condition #1948

TEST	1	2	3	AVERAGE	LIMIT
Test Date	11/30/21	11/30/21	11/30/21		
Test Time	954-1024	1035-1107	1116-1148		
Standard Temp., °F					
Process Parameters					
Flare Temp., ^oF	1,530	1,530	1,529	**1,530**	**≥1467**
Fuel F-Factor, DSCF/MMBtu @ 70^oF	9,782	9,928	9,807	9,839	
Flare, MMBtu/hr	10.43	12.48	12.36	11.76	
Inlet Methane (CH_4) Content, %	43.37	43.04	43.80	43.40	
Inlet Fuel Flow Rate, DSCFM	396	478	465	446	
Outlet Emissions					
Outlet Flow Rate, DSCFM (M19)	5,025	5,556	5,462	5,348	
O_2, %	13.83	13.14	13.17	13.38	
CO_2, %	6.25	6.87	6.97	6.70	
NOx, ppm	12.415	12.158	13.512	12.695	
NOx, lbs/hr	0.513	0.556	0.607	0.558	
NOx, lbs/day	12.31	13.33	14.56	13.40	
NOx, lbs/MMBtu	0.0428	0.0387	0.0427	**0.0414**	**0.06**
CO, ppm	5.08	1.08	1.27	2.48	
CO, lbs/hr	0.128	0.030	0.035	0.064	
CO, lbs/day	3.07	0.72	0.83	1.54	
CO, lbs/MMBtu	0.0107	0.0021	0.0024	**0.0051**	**0.2**
THC, ppm as methane	<1.00	<1.00	<1.00	<1.00	
CH_4, ppm	<1.00	<1.00	<1.00	<1.00	
CH_4, lbs/hr	<0.014	<0.016	<0.016	<0.015	
NMOC, ppm as methane	<1.00	<1.00	<1.00	<1.00	
NMOC, ppm @ 3% O_2 as Methane [1]	<2.53	<2.31	<2.32	**<2.38**	**30**
NMOC, lbs/hr	<0.014	<0.014	<0.014	<0.014	
NMOC, lbs/MMBtu as methane	<0.001	<0.001	<0.001	<0.001	
Inlet Emissions					
Inlet CH_4, ppm	433,700	430,400	438,000	434,033	
Inlet CH_4, lbs/hr	491.2	588.4	582.5	554.1	
Inlet NMOC, ppm as methane	1,624	1,633	1,628	1,628	
Inlet NMOC, lbs/hr	1.839	2.233	2.165	2.079	
Efficiency					
NMOC, Destruction Efficiency %	>99.2%	>99.4%	>99.4%	**>99.3%**	**98%**
CH_4, Destruction Efficiency %	>99.997%	>99.997%	>99.997%	**>99.997%**	**99%**
Landfill Gas Sulfur Content					
Inlet Total Sulfur as H_2S, ppm	359.20	394.90	417.20	**390.43**	**560**

[1] used for compliance

WHERE:

MW = Molecular Weight
DSCFM = Dry Standard Cubic Feet Per Minute
ppm = Parts Per Million Concentration
lbs/hr = Pound Per Hour Emission Rate
lbs/MMBtu = Pounds per million BTU
H_2S = Hydrogen Sulfide (M.W. = 32)
SO_2 = Sulfur Dioxide (MW = 64)
CO = Carbon Monoxide (MW = 28)
NOx = Oxides of Nitrogen as NO_2 (MW = 46)
THC = Total Hydrocarbons as Methane (MW = 16)
VOC = Total Non-Methane Hydrocarbons as Methane-C1 (MW = 16) CH_4
VOC = Total Non-Methane Hydrocarbons as Hexane-C6 (MW = 86.18) C_6H_{14}
lbs/MMCF = Pounds per million standard cubic feet of Nat. Gas

CALCULATIONS:

VOC ppm = THC ppm - CH_4 ppm
lbs/hr = ppm * DSCFM * MW *60 / 379 x 10^6 (@60^oF)
lbs/hr (SOx)= ppm as H_2S * DSCFM (inlet) * MW * 60 / 379 x 10^6 (@60^oF)
lbs/day = lbs/hr * 24
Removal Efficiency = (inlet lbs/hr-outlet lbs/hr) / Inlet lbs/hr
ppm @ 3% O_2 = ppm * 17.9 / (20.9-stack O_2)
lbs/MMBtu = Fd * M.W.* ppm * 2.59E-9 * (20.9/(20.9-%O_2))
SO_2 ppm (outlet) = lbs/hr / (DSCFM * M.W. * 60) * 385E6
lbs/MMCF = (lbs/hr * 1,000,000) / (Fuel SCFM * 60)

APPENDICES

Appendix C – Surface Emission and GCCS Component Leak Monitoring Results

October 262, 2021
Project No. 07216067.00 Task 2

Mr. David Jappert
Waste Connections
Potrero Hill Landfill
P.O. Box 68
Fairfield, California 94533

Subject: Potrero Hills Landfill – Suisun City, California

Landfill Methane Rule (LMR) and New Source Performance Standard (NSPS) Surface Emissions Monitoring (SEM) for Third Quarter 2021 August Bi-monthly.

Dear Mr. Jappert:

SCS Field Services (SCS-FS) is pleased to provide Waste Connections (WCI), with the enclosed report summarizing the August 2021 bi-monthly surface emissions monitoring services provided at the Potrero Hills Landfill (Site) during the third quarter 2021. This report includes the results of surface scan, component emissions and blower/flare station emissions monitoring for the Site.

SCS-FS appreciates the opportunity to be of assistance WCI on this project. As you review the enclosed information, please contact Art Jones at (209) 345-2062 or Whitney Stackhouse (209) 338-7990 if you have any questions or comments.

Sincerely,

Whitney M. Stackhouse
Project Manager
SCS Field Services

Arthur E. Jones Jr.
DSW Region Manager/VP
SCS Field Services

WS/AJ

cc: Enclosure
Jamison Pfister – Waste Connections
Mike Calmes - SCS Field Services
Cassandra Drotman – SCS Engineers

Potrero Hills Landfill

Landfill Methane Rule (LMR) and New Source Performance Standard (NSPS) Surface Emissions Monitoring (SEM)

Third Quarter 2021 (August Bi-Monthly Event)

Presented to:

Mr. Dave Jappert
Waste Connections
Potrero Hill Landfill
P.O. Box 68
Fairfield, California 94533

SCS FIELD SERVICES

File No. 07216067.00 Task 2 | October 26, 2021

SCS FIELD SERVICES
4730 Enterprise Way Suite A
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Potrero Hills Landfill

Landfill Methane Rule and New Source Performance Standard Surface Emissions Monitoring Third Quarter 2021 – August Bi-Monthly Testing

INTRODUCTION

This letter provides results of the third quarter bi-monthly August 18, 19, 20, and September 13, 2021, NSPS and LMR surface emissions monitoring (SEM) performed by SCS Field Services (SCS) at the subject site. All work was performed in accordance with our approved Work Scope (Task 2) dated, July 12, 2011, in addition to NSPS and LMR requirements, alternative monitoring requirements and the compliance agreement with the Bay Area Air Quality Management District (BAAQMD).

SUMMARY AND CONCLUSIONS

As stipulated in the LMR, if uncorrectable exceedances outside the 10-day limitation are detected or emissions are discovered during an inspection by Regulatory Agencies, the landfill must perform monitoring on a 25 foot pathway on a quarterly basis for active disposal sites. If four (4) consecutive quarters of monitoring are performed without any exceedances as stipulated in the LMR, the landfill may increase the spacing to 100-foot pathways. As this event was a bi-monthly extra event, the monitoring at Potrero Hills Landfill was performed on 25 or 100-foot pathways, in accordance with the LMR. Please note that in accordance with the compliance agreement the SEM is conducted every two months until further notice.

The third quarter 2021 bi-monthly (August 2021) initial monitoring indicated no integrated exceedances of the LMR threshold limit of 25 parts per million by volume (ppmv) measured as methane above background and one (1) instantaneous exceedance of the NSPS and LMR threshold limit of 500 ppmv measured as methane above background. SCS and site personnel performed system adjustments, and repair work (penetration repairs and flow increases), and the subsequent re-monitoring indicated all the locations with exceedances had returned to compliance. These results are discussed in a subsequent section of this report.

Additionally, during the third quarter 2021, several grids were not monitored as these areas were deemed unsafe by WCI and/or SCS personnel for entry due to active filling operations which could cause a potential for injury of monitoring personnel. (Note however that all penetrations in these areas were tested as required but no pathway testing could be performed.) Areas consisting of native soil (no waste in place) are also exempt from monitoring, in accordance with the LMR.

In addition, monitoring of the pressurized piping or components of the gas collection and control system (GCCS) is to be performed quarterly. Leak testing of the landfill gas (LFG) Blower Flare Station (BFS) pressurized pipe and components were performed on August 19, 2021. The results indicated no exceedances of the NSPS and LMR instantaneous level of 500 ppmv. These results are also discussed below.

Further, as required under the LMR, any location on the landfill that has an observed instantaneous methane concentration above 200 ppmv, must be stake-marked and Global Positioning System (GPS) located on a site figure. During this reporting period, one (1) location was observed to be between the 200-499 ppmv, reporting threshold (Attachment 2). When these readings are observed, the locations (see GPS coordinates) are reported to site personnel and are shown on the attached figure for tracking and/or remediation and will be reported in the next submittal of the annual LMR report.

Finally, to help prevent potential future exceedances, SCS recommends that the landfill surface be routinely inspected and any observed surface erosion be routinely repaired.

SURFACE EMISSIONS MONITORING

On August 18, 19, 20, and September 13, 2021, the instantaneous (pathway and component testing) and integrated SEM was performed over the surface of the subject site. The intent of the monitoring was to identify any specific locations or areas of the landfill surface with organic compound concentrations exceeding the NSPS and/or LMR threshold limit values of 500 ppmv measured as methane for instantaneous monitoring, or an average methane concentration of 25 ppmv for the integrated monitoring in the 50,000 square foot grids as required under the LMR. During these events SCS performed the monitoring on either a 25 or 100 foot pathway in all accessible areas, in accordance with the rules as required.

EMISSIONS TESTING INSTRUMENTATION/CALIBRATION

Instruments used to perform the landfill surface emission testing consisted of the following:

- Thermo Scientific TVA-2020 portable Flame Ionization Detector (FID). This instrument measures methane in air over a range of 1 to 50,000 ppmv. The TVA-2020 meets the State of California Air Resources Board (CARB) requirements for combined instantaneous and integrated monitoring and was calibrated in accordance with United States Environmental Protection Agency (US EPA) Method 21.

- Electronic Weather Anemometer with continuous recorder for meteorological conditions in accordance with the LMR.

Instrument calibration logs and weather information are shown in Attachments 5 and 6.

SURFACE EMISSIONS MONITORING PROCEDURES

Instantaneous and integrated SEM was conducted in accordance with the NSPS and LMR. Monitoring was performed with the FID inlet held within 3 inches of the landfill surface while a technician walked a grid in parallel paths not more than 25 or 100 feet apart over the surface of the landfill. Cracks, holes and all cover penetrations in the surface were also tested. Instantaneous surface emissions readings were monitored continuously and recorded every 5 seconds. Any areas in exceedance of the 200 or 500 ppmv standards (reporting and compliance levels, respectively) were GPS tagged, any locations exceeding the 500 ppmv standard are also stake-marked for on-site personnel to perform remediation or repairs.

The integrated average is based on the readings stored on the instrument which are recorded every 5 seconds. The readings are then downloaded and the averages are calculated for each grid using

SCS eTools®. All readings are maintained in this secure SCS Database. The readings are not provided in the report due to the volume of data, but can be furnished upon request.

Recorded wind speed results are shown in Attachment 6. Wind speed averages were observed to remain below the alternative requested 10 miles per hour, and no instantaneous speeds exceeded 20 miles per hour. No rainfall had occurred within 72 hours of the monitoring events. Therefore, site meteorological conditions were within the requested alternatives of the LMR requirements on the above mentioned dates.

TESTING RESULTS

During this SEM event, SCS performed the monitoring on a 25 or 100-foot pathway in accordance with the rules as required under the LMR. The intent of the monitoring was to identify any specific locations or areas of the landfill surface with organic compound concentrations exceeding the NSPS and/or LMR threshold limit values of 500 ppmv measured as methane for instantaneous monitoring, or an average methane concentration of 25 ppmv for the integrated monitoring.

The third quarter 2021 bi-monthly (August 2021) SEM testing results indicated no integrated areas exceeded the 25 ppmv LMR threshold, and one (1) location exceeded the instantaneous LMR and NSPS threshold of 500 ppmv. The required 10-day LMR/NSPS and 30-day NSPS re-monitoring for instantaneous testing, was performed on August 19, 2021, and September 13, 2021, respectively, indicated all locations had returned to compliance following system adjustments and remediation performed by site and SCS personnel. This work included borehole repair and flow adjustments. Results of the monitoring, including the recently required GPS coordinates are shown in Attachments 3 and 4 (Tables 1 and 2). Calibration logs for the monitoring equipment are provided in Attachment 5.

Additionally, during the third quarter 2021, several grids were not monitored as these areas were deemed unsafe by WCI personnel for entry due to active filling operations which could cause a potential for injury of monitoring personnel. Areas consisting of native soil (no waste in place) are also exempt from monitoring, in accordance with the LMR.

PRESSURIZED PIPE AND COMPONENT LEAK MONITORING

On August 19, 2021, SCS performed LFG pressurized pipe and component leak monitoring at the BFS. Monitoring was performed with the detector inlet held one half of an inch from pressurized pipe and associated components. No locations exceeding the 500 ppmv threshold were observed during our monitoring event at the flare station. The maximum reading, which was 6.4 ppmv, was well below the required exceedance thresholds (see Table 1 for component results). Therefore, based on these results all pressurized piping and components located at the LFG BFS were in compliance at the time of our testing. Note that SCS prepares and submits a separate report for the Power Generation Facility operated by DTE.

PROJECT SCHEDULE

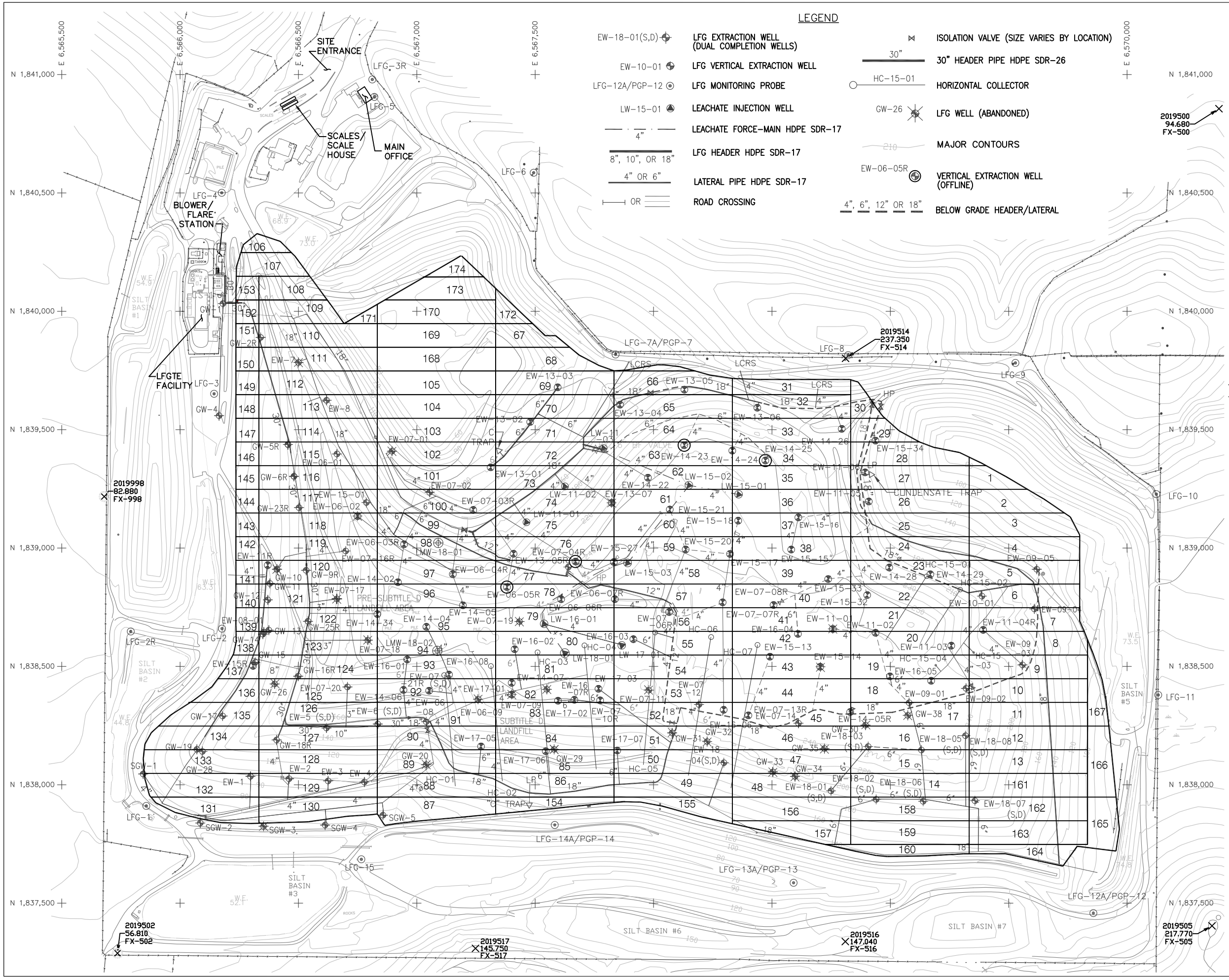
In accordance with our approved Work Scope and the BAAQMD compliance agreement, SCS is scheduled to perform the next NSPS and LMR bi-monthly testing during the month of October 2021, in all areas deemed safe for entry.

STANDARD PROVISIONS

This report addresses conditions of the subject site during the testing dates only. Accordingly, we assume no responsibility for any changes that may occur subsequent to our testing which could affect the surface emissions at the subject site or adjacent properties.

Attachment 1

Landfill Grid



DRAWING IS HALF-SIZE AT 11x17

ISSUED FOR CONSTRUCTION

74

GENERAL LFG SYSTEM PLAN NOTES:

1. SOME EXISTING LFG FACILITIES SHOWN MAY HAVE BEEN BURIED OR OTHERWISE REMOVED DURING THE COURSE OF GCCS INSTALLATIONS AT THE SITE. AS SUCH, THIS DRAWING SHOULD BE USED SOLELY FOR INFORMATIONAL PURPOSES FOR GENERAL LOCATIONS OF SYSTEM FEATURES. FIELD VERIFICATION OF ELEMENTS SHOWN WITHIN THE CONTRACT WORK AREA MAY BE REQUIRED.

SURVEY CONTROL

2019500 94.680 FX-500	2019514 237.350 FX-514
2019501 111.630 FX-501	2019516 147.040 FX-516
2019502 56.810 FX-502	2019517 145.750 FX-517
2019505 217.770 FX-505	2019998 82.880 FX-998

TOPOGRAPHICAL INFORMATION

CONTINENTAL MAPPING CONSULTANTS, INC.

Map Scale: 1" = 100' CI: 2 FT
Date of Photography: 03-14-2019
Horizontal Coordinate System:
Local Coordinate System, Survey Feet

Photogrammetry By:
Continental Mapping Consultants, Inc.
121 S. Bristol St., Suite 201
Sun Prairie, WI 53590

Compilation Date: 04/2019
CMC Job No: J19002

Areas obscured by vegetation, clouds or building lean are marked by obscured lines and contours inside these areas are dashed. Continental Mapping Consultants cannot guarantee the accuracy of the surface data or contours within these areas.

NO.	REVISION	DATE

SHEET TITLE: EXISTING GCCS PLAN W/ SEM GRID

PROJECT TITLE: POTRERO HILLS LANDFILL
2019 LFG IMPROVEMENTS DESIGN
SUISUN CITY, CALIFORNIA 94585

SCS ENGINEERS
STEARNS, CONRAD, AND SCHMIDT
CONSULTING ENGINEERS & CONTRACTORS
3117 FITE CIRCLE, SUITE 108
SACRAMENTO, CA 95827
PH: (916) 361-1297 FAX: (916) 361-1299

PROJ. NO. 01204082.01 | DSN. BY: MJE | DWN. BY: MJE | CKD. BY: MJE | ACAD FILE: FIG 1.EECS.90619 | APP. BY: WLM

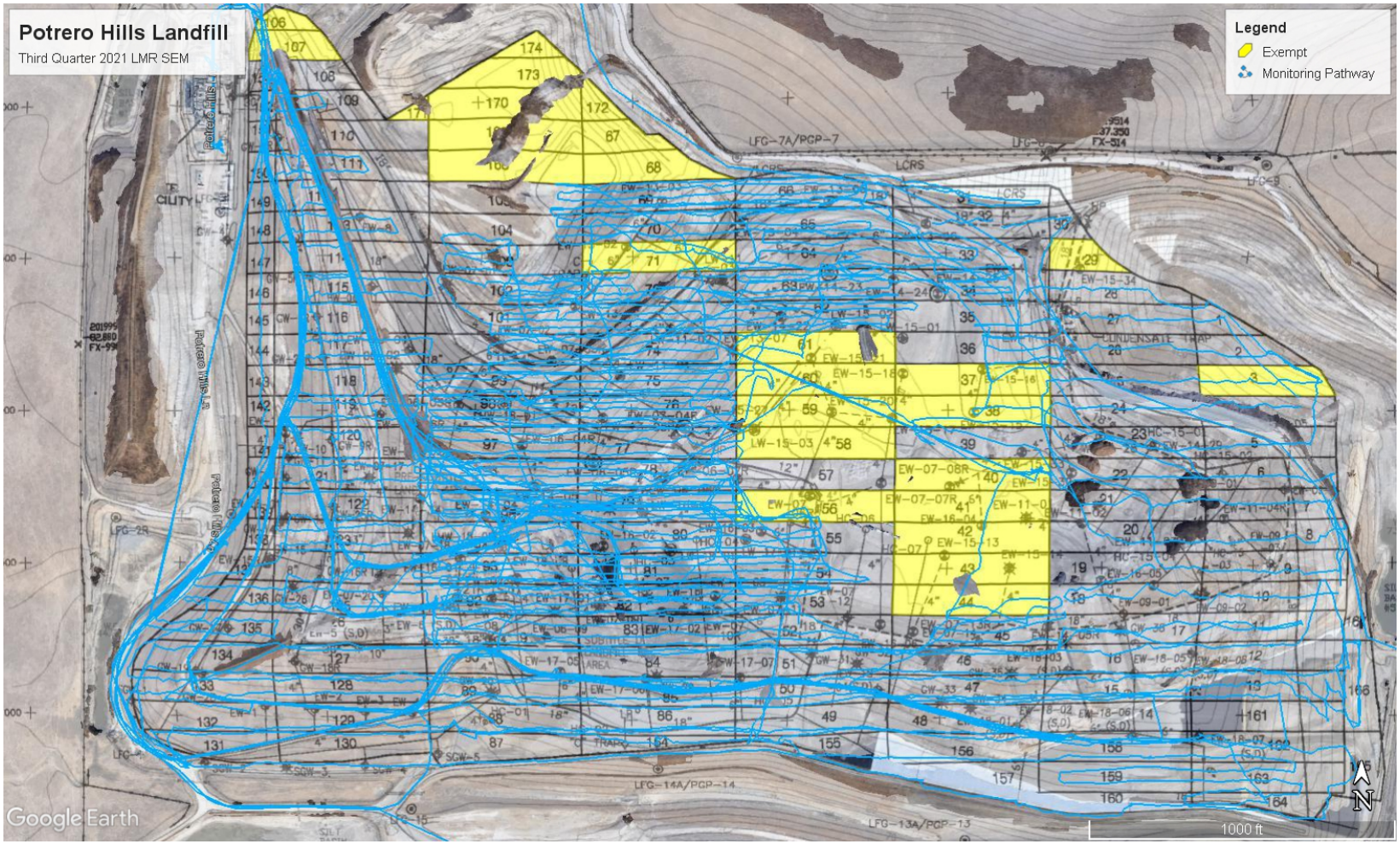
DATE: 05-21-19

SCALE: AS SHOWN

FIGURE: 1

Attachment 2

Surface Pathway



Third Quarter 2021 August Bi-Monthly
LMR Surface Emissions Monitoring Pathway
Potrero Hills Landfill, Suisun City, California

Attachment 3

Instantaneous and Component Emissions Monitoring Results

Second Quarter 2021 – August Bi-Monthly

Table 1. Instantaneous Surface and Component Emissions Monitoring Results

Potrero Hills Landfill, Suisun City, California

Instantaneous Data Report for August 18, 19, 20, and September 13, 2021

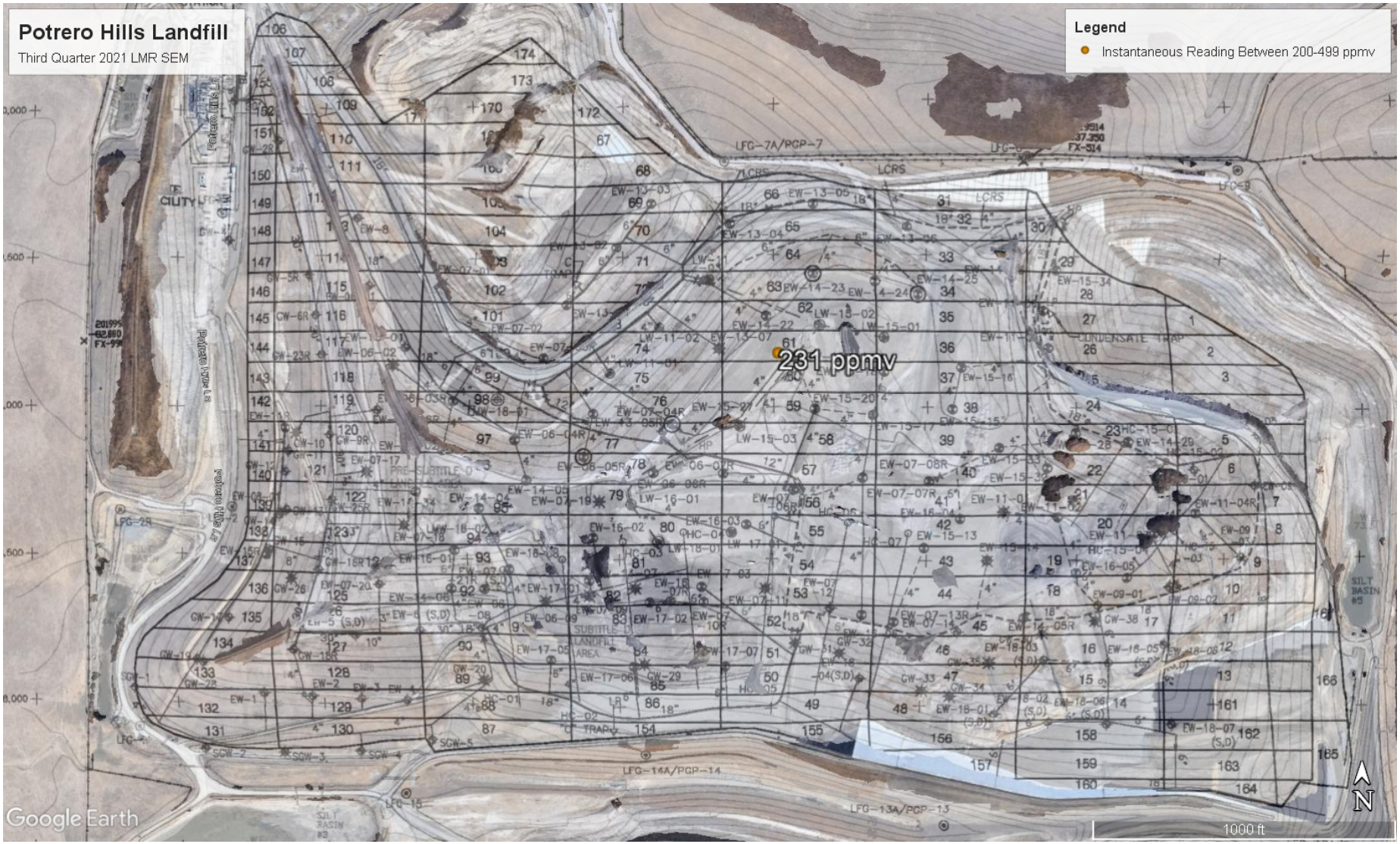
Location	*Initial Concentration (ppmv)* *8/19/2021*	*Follow Up Concentration (ppmv)- Qualifies As 10-Day* *8/19/2021*	*NSPS 30-Day Follow-Up Concentration (ppmv)* *9/13/2021*	*Latitude*	*Longitude*
EW-18-02S	3,000	3.2	38.3	38.209009°	-121.974708°
Readings between 200-499 ppmv August 19, 2021					
Grid 61	231		38.212390°	-121.977890°	

Instantaneous Data Report for August 19, 2021

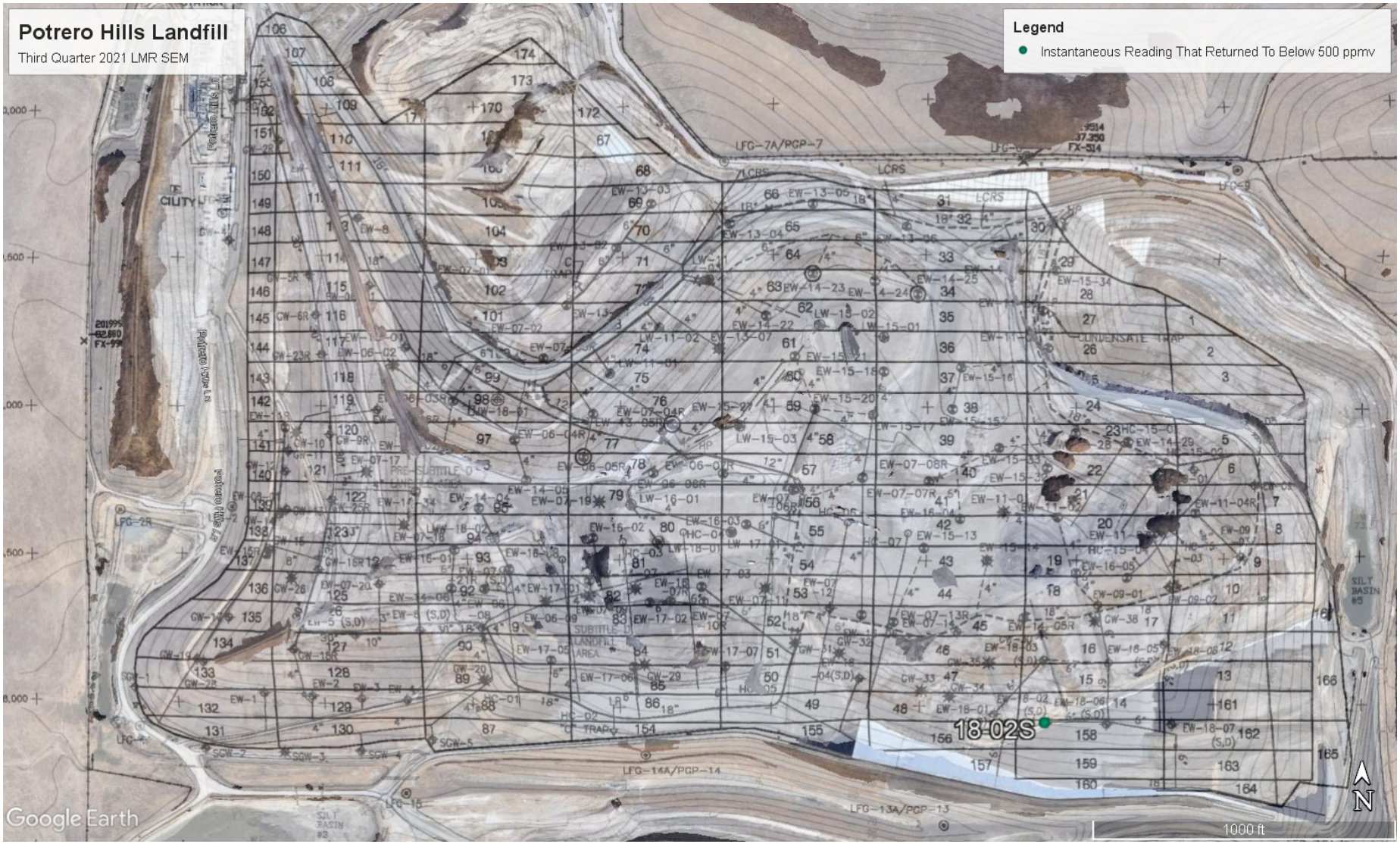
Pressurized Pipe Results

Route	*Date*	*Concentration (ppmv)*
LFG BFS	8/19/2021	6.4

No other uncorrectable exceedances of the 500 ppm threshold were observed during the third quarter 2021 August bi-monthly monitoring event.



Third Quarter 2021 August Bi-Monthly
Instantaneous LMR Locations Between 200-499 ppmv
Potrero Hills Landfill, Suisun City, California



Third Quarter 2021 August Bi-Monthly
Instantaneous NSPS and LMR Exceedance Locations
Potrero Hills Landfill, Suisun City, California

Attachment 4

Integrated Monitoring Results

Third Quarter 2021-August Bi-Monthly
Table 2. Integrated Surface Emissions Monitoring Results
Potrero Hills Landfill, Suisun City, California

Point Name	Record Date	FID Concentration (ppm)	Comments
PLF-1	8/20/2021	13.66	
PLF-2	8/20/2021	10.89	
PLF-3	--	--	Active
PLF-4	8/20/2021	3.51	
PLF-5	8/20/2021	5.05	
PLF-6	8/20/2021	5.73	
PLF-7	8/20/2021	5.73	
PLF-8	8/20/2021	4.34	
PLF-9	8/20/2021	7.63	
PLF-10	8/20/2021	4.01	
PLF-11	8/20/2021	6.14	
PLF-12	8/18/2021	4.41	
PLF-13	8/18/2021	3.65	
PLF-14	8/18/2021	3.25	
PLF-15	8/18/2021	3.55	
PLF-16	8/18/2021	4.01	
PLF-17	8/20/2021	4.04	
PLF-18	8/20/2021	2.98	
PLF-19	8/20/2021	3.71	
PLF-20	8/20/2021	3.10	
PLF-21	8/20/2021	3.25	
PLF-22	8/20/2021	5.70	
PLF-23	8/20/2021	10.29	
PLF-24	8/20/2021	8.75	
PLF-25	8/20/2021	9.79	
PLF-26	8/20/2021	9.54	
PLF-27	8/20/2021	7.40	
PLF-28	8/20/2021	8.98	
PLF-29	--	--	Active
PLF-30	8/20/2021	2.80	
PLF-31	8/20/2021	5.58	
PLF-32	8/20/2021	3.36	
PLF-33	8/20/2021	4.81	
PLF-34	8/20/2021	3.60	
PLF-35	8/20/2021	9.51	
PLF-36	8/20/2021	7.26	
PLF-37	--	--	Active
PLF-38	--	--	Active
PLF-39	8/20/2021	1.85	
PLF-40	--	--	Active
PLF-41	--	--	Active
PLF-42	--	--	Active
PLF-43	--	--	Active

Third Quarter 2021-August Bi-Monthly
Table 2. Integrated Surface Emissions Monitoring Results
Potrero Hills Landfill, Suisun City, California

Point Name	Record Date	FID Concentration (ppm)	Comments
PLF-44	--	--	Active
PLF-45	8/20/2021	5.76	
PLF-46	8/18/2021	4.73	
PLF-47	8/18/2021	4.22	
PLF-48	8/18/2021	3.57	
PLF-49	8/18/2021	5.12	
PLF-50	8/18/2021	3.26	
PLF-51	8/18/2021	4.62	
PLF-52	8/20/2021	6.25	
PLF-53	8/20/2021	5.25	
PLF-54	8/20/2021	3.88	
PLF-55	8/20/2021	4.19	
PLF-56	--	--	Active
PLF-57	8/20/2021	1.80	
PLF-58	--	--	Active
PLF-59	--	--	Active
PLF-60	--	--	Active
PLF-61	--	--	Active
PLF-62	8/20/2021	16.12	
PLF-63	8/20/2021	10.55	
PLF-64	8/20/2021	8.12	
PLF-65	8/20/2021	6.46	
PLF-66	8/20/2021	8.70	
PLF-67	--	--	Active
PLF-68	--	--	Active
PLF-69	8/20/2021	14.97	
PLF-70	8/20/2021	9.59	
PLF-71	--	--	Active
PLF-72	8/20/2021	10.39	
PLF-73	8/20/2021	11.36	
PLF-74	8/20/2021	6.83	
PLF-75	8/20/2021	11.02	
PLF-76	8/20/2021	8.06	
PLF-77	8/20/2021	3.32	
PLF-78	8/20/2021	1.97	
PLF-79	8/20/2021	2.55	
PLF-80	8/20/2021	2.62	
PLF-81	8/20/2021	3.01	
PLF-82	8/20/2021	4.35	
PLF-83	8/20/2021	4.06	
PLF-84	8/18/2021	4.23	
PLF-85	8/18/2021	2.77	
PLF-86	8/18/2021	3.01	

Third Quarter 2021-August Bi-Monthly
Table 2. Integrated Surface Emissions Monitoring Results
Potrero Hills Landfill, Suisun City, California

Point Name	Record Date	FID Concentration (ppm)	Comments
PLF-87	8/18/2021	3.40	
PLF-88	8/18/2021	2.12	
PLF-89	8/18/2021	2.57	
PLF-90	8/18/2021	4.22	
PLF-91	8/20/2021	3.46	
PLF-92	8/20/2021	3.11	
PLF-93	8/20/2021	2.27	
PLF-94	8/20/2021	2.23	
PLF-95	8/20/2021	2.54	
PLF-96	8/20/2021	2.06	
PLF-97	8/20/2021	3.23	
PLF-98	8/20/2021	6.73	
PLF-99	8/20/2021	6.63	
PLF-100	8/20/2021	5.53	
PLF-101	8/20/2021	9.45	
PLF-102	8/20/2021	13.01	
PLF-103	8/20/2021	10.07	
PLF-104	8/20/2021	16.52	
PLF-105	8/20/2021	17.22	
PLF-106	--	--	Active
PLF-107	--	--	Active
PLF-108	8/18/2021	2.13	
PLF-109	8/18/2021	1.92	
PLF-110	8/18/2021	2.63	
PLF-111	8/18/2021	2.32	
PLF-112	8/18/2021	3.05	
PLF-113	8/18/2021	2.62	
PLF-114	8/18/2021	2.08	
PLF-115	8/18/2021	1.84	
PLF-116	8/18/2021	1.60	
PLF-117	8/18/2021	2.70	
PLF-118	8/18/2021	1.65	
PLF-119	8/18/2021	1.81	
PLF-120	8/18/2021	1.73	
PLF-121	8/18/2021	1.92	
PLF-122	8/18/2021	1.77	
PLF-123	8/18/2021	1.96	
PLF-124	8/18/2021	1.76	
PLF-125	8/18/2021	2.29	
PLF-126	8/18/2021	1.88	
PLF-127	8/18/2021	2.78	
PLF-128	8/18/2021	2.38	
PLF-129	8/18/2021	1.92	

Third Quarter 2021-August Bi-Monthly
Table 2. Integrated Surface Emissions Monitoring Results
Potrero Hills Landfill, Suisun City, California

Point Name	Record Date	FID Concentration (ppm)	Comments
PLF-130	8/18/2021	2.25	
PLF-131	8/18/2021	2.27	
PLF-132	8/18/2021	1.95	
PLF-133	8/18/2021	2.39	
PLF-134	8/18/2021	2.79	
PLF-135	8/18/2021	1.36	
PLF-136	8/18/2021	1.98	
PLF-137	8/18/2021	2.07	
PLF-138	8/18/2021	2.09	
PLF-139	8/18/2021	2.10	
PLF-140	8/18/2021	2.17	
PLF-141	8/18/2021	1.98	
PLF-142	8/18/2021	2.06	
PLF-143	8/18/2021	2.02	
PLF-144	8/18/2021	2.04	
PLF-145	8/18/2021	2.28	
PLF-146	8/18/2021	2.18	
PLF-147	8/18/2021	2.04	
PLF-148	8/18/2021	2.86	
PLF-149	8/18/2021	2.30	
PLF-150	8/18/2021	2.10	
PLF-151	8/18/2021	2.00	
PLF-152	8/18/2021	3.13	
PLF-153	8/18/2021	2.60	
PLF-154	8/18/2021	4.36	
PLF-155	8/18/2021	4.52	
PLF-156	8/18/2021	5.07	
PLF-157	8/18/2021	6.11	
PLF-158	8/18/2021	5.03	
PLF-159	8/18/2021	4.00	
PLF-160	8/18/2021	4.93	
PLF-161	8/18/2021	3.99	
PLF-162	8/18/2021	5.67	
PLF-163	8/18/2021	7.18	
PLF-164	8/18/2021	3.99	
PLF-165	8/18/2021	10.41	
PLF-166	8/18/2021	9.14	
PLF-167	8/18/2021	9.17	
PLF-168	--	--	Active
PLF-169	--	--	Active
PLF-170	--	--	Active
PLF-171	--	--	Active
PLF-172	--	--	Active

Third Quarter 2021-August Bi-Monthly
Table 2. Integrated Surface Emissions Monitoring Results
Potrero Hills Landfill, Suisun City, California

Point Name	Record Date	FID Concentration (ppm)	Comments
PLF-173	--	--	Active
PLF-174	--	--	Active

Attachment 5

Calibration Logs

SURFACE EMISSIONS MONITORING
CALIBRATION AND PERTINENT DATA

Date: 08-18-21 Site Name: Potrero

Inspector(s): Michael Morris Instrument: TVA 2020

WEATHER OBSERVATIONS

Wind Speed: 8 MPH Wind Direction: WSW Barometric Pressure: _____ "Hg

Air Temperature: 60 °F General Weather Conditions: Smokey

CALIBRATION INFORMATION

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.

Instrument Serial Number: 5415 Cal Gas Concentration: 500ppm

Trial	Zero Air Reading	Cal Gas Reading	|Cal Gas Conc.-Cal Gas Reading|	Response Time (seconds)
1	.1	501	1	3
2	.0	501	1	2
3	.1	501	1	3

Average Difference: 1

*Perform recalibration if average difference is greater than 10

Calibration Precision= Average Difference/Cal Gas Conc. X 100%

= 100%- 1 /500 x 100%

= 99.8 %

Span Sensitivity:

Trial 1:
Counts Observed for the Span= 114760
Counters Observed for the Zero= 4904

Trial 2:
Counts Observed for the Span= 115148
Counters Observed for the Zero= 4915

Trial 3:
Counts Observed for the Span= 116775
Counters Observed for the Zero= 4924

Post Monitoring Calibration Check

Zero Air Reading: 9 ppm Cal Gas Reading: 500 ppm

BACKGROUND CONCENTRATIONS CHECKS

Upwind Location Description: Entrance Reading: .2 ppm

Downwind Location Description: GW26 Reading: 1.3 ppm

Notes: Wind speed averages were observed to remain below the alternative requested 10 miles per hour and no instantaneous speeds exceeded 20 miles per hour. No rainfall had occurred within the previous 24 hours of the monitoring event. Therefore, site meteorological conditions were within the requested alternatives of the LMR requirements on the above mentioned date.

SURFACE EMISSIONS MONITORING
CALIBRATION AND PERTINENT DATA

Date: 05-18-21 Site Name: Potrero

Inspector(s): Liam Mcginn Instrument: TVA 2020

WEATHER OBSERVATIONS

Wind Speed: 8 MPH Wind Direction: WSW Barometric Pressure: 30 "Hg

Air Temperature: 60 °F General Weather Conditions: Smokey

CALIBRATION INFORMATION

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.

Instrument Serial Number: 1223 Cal Gas Concentration: 500ppm

Trial	Zero Air Reading	Cal Gas Reading	|Cal Gas Conc.-Cal Gas Reading|	Response Time (seconds)
1	.0	500	0	3
2	.1	501	1	2
3	.0	501	1	3

Average Difference: .7

*Perform recalibration if average difference is greater than 10

Calibration Precision= Average Difference/Cal Gas Conc. X 100%

= 100%- .7 /500 x 100%

= 99.8%

Span Sensitivity:

Trial 1:
Counts Observed for the Span= 135046
Counters Observed for the Zero= 3057

Trial 2:
Counts Observed for the Span= 136984
Counters Observed for the Zero= 3064

Trial 3:
Counts Observed for the Span= 137431
Counters Observed for the Zero= 3072

Post Monitoring Calibration Check

Zero Air Reading: 0 ppm Cal Gas Reading: 500 ppm

BACKGROUND CONCENTRATIONS CHECKS

Upwind Location Description: Entrance Reading: 1.2 ppm

Downwind Location Description: Gate Reading: 1.4 ppm

Notes: Wind speed averages were observed to remain below the alternative requested 10 miles per hour and no instantaneous speeds exceeded 20 miles per hour. No rainfall had occurred within the previous 24 hours of the monitoring event. Therefore, site meteorological conditions were within the requested alternatives of the LMR requirements on the above mentioned date.

SURFACE EMISSIONS MONITORING
CALIBRATION AND PERTINENT DATA

Date: 05-18-21 Site Name: Potrero

Inspector(s): Bryan O Instrument: TVA 2020

WEATHER OBSERVATIONS

Wind Speed: 8 MPH Wind Direction: WSW Barometric Pressure: 30 "Hg

Air Temperature: 60 °F General Weather Conditions: Smokey

CALIBRATION INFORMATION

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.

Instrument Serial Number: 1215 Cal Gas Concentration: 500ppm

Trial	Zero Air Reading	Cal Gas Reading	|Cal Gas Conc.-Cal Gas Reading|	Response Time (seconds)
1	.0	503	3	4
2	.1	501	1	3
3	.2	500	0	3

Average Difference: 1.3

*Perform recalibration if average difference is greater than 10

Calibration Precision= Average Difference/Cal Gas Conc. X 100%

= 100%- 1.3 /500 x 100%

= 99.8 %

Span Sensitivity:

Trial 1:
Counts Observed for the Span= 127302
Counters Observed for the Zero= 3421

Trial 2:
Counts Observed for the Span= 128988
Counters Observed for the Zero= 3433

Trial 3:
Counts Observed for the Span= 129337
Counters Observed for the Zero= 3442

Post Monitoring Calibration Check

Zero Air Reading: 0 ppm Cal Gas Reading: 500 ppm

BACKGROUND CONCENTRATIONS CHECKS

Upwind Location Description: Entrance Reading: 1.3 ppm

Downwind Location Description: N126 Reading: 1.7 ppm

Notes: Wind speed averages were observed to remain below the alternative requested 10 miles per hour and no instantaneous speeds exceeded 20 miles per hour. No rainfall had occurred within the previous 24 hours of the monitoring event. Therefore, site meteorological conditions were within the requested alternatives of the LMR requirements on the above mentioned date.

Post

SURFACE EMISSIONS MONITORING
CALIBRATION AND PERTINENT DATA

Date: 8-18-21 Site Name: Portrero

Inspector(s): Micheal M Instrument: TVA 2020

WEATHER OBSERVATIONS

Wind Speed: 9 MPH Wind Direction: W Barometric Pressure: 24.8 "Hg

Air Temperature: 79 °F General Weather Conditions: Haze

CALIBRATION INFORMATION

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.

Instrument Serial Number: 5415 Cal Gas Concentration: 500ppm

Trial	Zero Air Reading	Cal Gas Reading	|Cal Gas Conc.-Cal Gas Reading|	Response Time (seconds)
1	.1	502	2	.6
2	.0	500	0	.8
3	.1	500	0	.7

Average Difference: [ ]

*Perform recalibration if average difference is greater than 10

Calibration Precision= Average Difference/Cal Gas Conc. X 100%

= 100%- _____ /500 x 100%

= %

Span Sensitivity:

Trial 1:
Counts Observed for the Span= 115392
Counters Observed for the Zero= 4958

Trial 2:
Counts Observed for the Span= 115506
Counters Observed for the Zero= 4982

Trial 3:
Counts Observed for the Span= 115817
Counters Observed for the Zero= 5013

Post Monitoring Calibration Check

Zero Air Reading: 0 ppm Cal Gas Reading: 500 ppm

BACKGROUND CONCENTRATIONS CHECKS

Upwind Location Description: Entrance Reading: 1.2 ppm

Downwind Location Description: 9126 Reading: 1.5 ppm

Notes: Wind speed averages were observed to remain below the alternative requested 10 miles per hour and no instantaneous speeds exceeded 20 miles per hour. No rainfall had occurred within the previous 24 hours of the monitoring event. Therefore, site meteorological conditions were within the requested alternatives of the LMR requirements on the above mentioned date.

post

SURFACE EMISSIONS MONITORING
CALIBRATION AND PERTINENT DATA

Date: 8.18.21 Site Name: Potrero

Inspector(s): Liam M Instrument: TVA 2020

WEATHER OBSERVATIONS

Wind Speed: 9 MPH Wind Direction: W Barometric Pressure: 29.8 "Hg

Air Temperature: 79 °F General Weather Conditions: Hate

CALIBRATION INFORMATION

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.

Instrument Serial Number: -223 Cal Gas Concentration: 500ppm

Trial	Zero Air Reading	Cal Gas Reading	|Cal Gas Conc.-Cal Gas Reading|	Response Time (seconds)
1	.1	501	1	3
2	.2	502	2	3
3	.0	499	1	4

Average Difference: 1.3

*Perform recalibration if average difference is greater than 10

Calibration Precision= Average Difference/Cal Gas Conc. X 100%

= 100%- 1.3 /500 x 100%

= 99.7 %

Span Sensitivity:

Trial 1:
Counts Observed for the Span= 136041
Counters Observed for the Zero= 3053

Trial 2:
Counts Observed for the Span= 136384
Counters Observed for the Zero= 3079

Trial 3:
Counts Observed for the Span= 136521
Counters Observed for the Zero= 3127

Post Monitoring Calibration Check

Zero Air Reading: 0 ppm Cal Gas Reading: 500 ppm

BACKGROUND CONCENTRATIONS CHECKS

Upwind Location Description: Entrance Reading: 1.2 ppm

Downwind Location Description: G126 Reading: 1.6 ppm

Notes: Wind speed averages were observed to remain below the alternative requested 10 miles per hour and no instantaneous speeds exceeded 20 miles per hour. No rainfall had occurred within the previous 24 hours of the monitoring event. Therefore, site meteorological conditions were within the requested alternatives of the LMR requirements on the above mentioned date.

Post

SURFACE EMISSIONS MONITORING
CALIBRATION AND PERTINENT DATA

Date: 9.18.21 Site Name: Potrero

Inspector(s): Bryan O Instrument: TVA 2020

WEATHER OBSERVATIONS

Wind Speed: 9 MPH Wind Direction: W Barometric Pressure: 29.8 "Hg

Air Temperature: 79 °F General Weather Conditions: Haze

CALIBRATION INFORMATION

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.

Instrument Serial Number: 1215 Cal Gas Concentration: 500ppm

Trial	Zero Air Reading	Cal Gas Reading	|Cal Gas Conc.-Cal Gas Reading|	Response Time (seconds)
1	.1	500	0	4
2	.0	502	2	3
3	.1	499	1	4

Average Difference: 1

*Perform recalibration if average difference is greater than 10

Calibration Precision= Average Difference/Cal Gas Conc. X 100%

= 100%- 1 /500 x 100%

=99.9 %

Span Sensitivity:

Trial 1:
Counts Observed for the Span= 127405
Counters Observed for the Zero= 3418

Trial 2:
Counts Observed for the Span= 127524
Counters Observed for the Zero= 3437

Trial 3:
Counts Observed for the Span= 128166
Counters Observed for the Zero= 3480

Post Monitoring Calibration Check

Zero Air Reading: 0 ppm Cal Gas Reading: 500 ppm

BACKGROUND CONCENTRATIONS CHECKS

Upwind Location Description: Entrance Reading: 1.2 ppm

Downwind Location Description: 4126 Reading: 1.5 ppm

Notes: Wind speed averages were observed to remain below the alternative requested 10 miles per hour and no instantaneous speeds exceeded 20 miles per hour. No rainfall had occurred within the previous 24 hours of the monitoring event. Therefore, site meteorological conditions were within the requested alternatives of the LMR requirements on the above mentioned date.

SURFACE EMISSIONS MONITORING
CALIBRATION AND PERTINENT DATA

Date: 08-09-21 Site Name: Potrero

Inspector(s): Michael Morris Instrument: TVA 2020

WEATHER OBSERVATIONS

Wind Speed: 10 MPH Wind Direction: SW Barometric Pressure: 30 "Hg

Air Temperature: 58 °F General Weather Conditions: Clear

CALIBRATION INFORMATION

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.

Instrument Serial Number: 5415 Cal Gas Concentration: 500ppm

Trial	Zero Air Reading	Cal Gas Reading	|Cal Gas Conc.-Cal Gas Reading|	Response Time (seconds)
1	.0	501	1	4
2	.1	502	2	3
3	.1	501	1	3

Average Difference: 1.3

*Perform recalibration if average difference is greater than 10

Calibration Precision= Average Difference/Cal Gas Conc. X 100%

= 100%- 1.3 /500 x 100%

= 99.7 %

Span Sensitivity:

Trial 1:
Counts Observed for the Span= 132941
Counters Observed for the Zero= 2897

Trial 2:
Counts Observed for the Span= 133903
Counters Observed for the Zero= 2882

Trial 3:
Counts Observed for the Span= 134623
Counters Observed for the Zero= 2854

Post Monitoring Calibration Check

Zero Air Reading: 0 ppm Cal Gas Reading: 500 ppm

BACKGROUND CONCENTRATIONS CHECKS

Upwind Location Description: Flare Reading: 1.2 ppm

Downwind Location Description: grid 26 Reading: 1.5 ppm

Notes: Wind speed averages were observed to remain below the alternative requested 10 miles per hour and no instantaneous speeds exceeded 20 miles per hour. No rainfall had occurred within the previous 24 hours of the monitoring event. Therefore, site meteorological conditions were within the requested alternatives of the LMR requirements on the above mentioned date.

SURFACE EMISSIONS MONITORING
CALIBRATION AND PERTINENT DATA

Date: 08-19-21 Site Name: Portrero

Inspector(s): Bryan O Instrument: TVA 2020

WEATHER OBSERVATIONS

Wind Speed: 10 MPH Wind Direction: SW Barometric Pressure: 30 "Hg

Air Temperature: 58 °F General Weather Conditions: Clear

CALIBRATION INFORMATION

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.

Instrument Serial Number: 1215 Cal Gas Concentration: 500ppm

Trial	Zero Air Reading	Cal Gas Reading	|Cal Gas Conc.-Cal Gas Reading|	Response Time (seconds)
1	.0	501	1	3
2	.0	500	0	3
3	.1	501	1	4

Average Difference: .7

*Perform recalibration if average difference is greater than 10

Calibration Precision= Average Difference/Cal Gas Conc. X 100%

= 100%- .7 /500 x 100%

= 99.9%

Span Sensitivity:

Trial 1:
Counts Observed for the Span= 32481
Counters Observed for the Zero= 2970

Trial 2:
Counts Observed for the Span= 33099
Counters Observed for the Zero= 2967

Trial 3:
Counts Observed for the Span= 34742
Counters Observed for the Zero= 2962

Post Monitoring Calibration Check

Zero Air Reading: 0 ppm Cal Gas Reading: 500 ppm

BACKGROUND CONCENTRATIONS CHECKS

Upwind Location Description: Flare Reading: 1.2 ppm

Downwind Location Description: Grid 125 Reading: 1.5 ppm

Notes: Wind speed averages were observed to remain below the alternative requested 10 miles per hour and no instantaneous speeds exceeded 20 miles per hour. No rainfall had occurred within the previous 24 hours of the monitoring event. Therefore, site meteorological conditions were within the requested alternatives of the LMR requirements on the above mentioned date.

SURFACE EMISSIONS MONITORING
CALIBRATION AND PERTINENT DATA

Date: 08-19-21 Site Name: Bayvero

Inspector(s): Don Gibson Instrument: TVA 2020

WEATHER OBSERVATIONS

Wind Speed: 10 MPH Wind Direction: SW Barometric Pressure: 30 "Hg

Air Temperature: 58 °F General Weather Conditions: Clear

CALIBRATION INFORMATION

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.

Instrument Serial Number: 1223 Cal Gas Concentration: 500ppm

Trial	Zero Air Reading	Cal Gas Reading	|Cal Gas Conc.-Cal Gas Reading|	Response Time (seconds)
1	.1	502	2	4
2	.1	501	1	4
3	.2	500	0	5

Average Difference: 1

*Perform recalibration if average difference is greater than 10

Calibration Precision= Average Difference/Cal Gas Conc. X 100%

= 100%- 1 /500 x 100%

= 99.8%

Span Sensitivity:

Trial 1:
Counts Observed for the Span= 119285
Counters Observed for the Zero= 2573

Trial 2:
Counts Observed for the Span= 120235
Counters Observed for the Zero= 2562

Trial 3:
Counts Observed for the Span= 121040
Counters Observed for the Zero= 2558

Post Monitoring Calibration Check

Zero Air Reading: 0 ppm Cal Gas Reading: 500 ppm

BACKGROUND CONCENTRATIONS CHECKS

Upwind Location Description: Flare Reading: 1.2 ppm

Downwind Location Description: Grid 126 Reading: 1.5 ppm

Notes: Wind speed averages were observed to remain below the alternative requested 10 miles per hour and no instantaneous speeds exceeded 20 miles per hour. No rainfall had occurred within the previous 24 hours of the monitoring event. Therefore, site meteorological conditions were within the requested alternatives of the LMR requirements on the above mentioned date.

SURFACE EMISSIONS MONITORING
CALIBRATION AND PERTINENT DATA

post

Date: 08-19-21 Site Name: Pastrero

Inspector(s): Michael Morris Instrument: TVA 2020

WEATHER OBSERVATIONS

Wind Speed: 9 MPH Wind Direction: WSW Barometric Pressure: 30 "Hg

Air Temperature: 78 °F General Weather Conditions: Clear

CALIBRATION INFORMATION

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.

Instrument Serial Number: 5415 Cal Gas Concentration: 500ppm

Trial	Zero Air Reading	Cal Gas Reading	|Cal Gas Conc.-Cal Gas Reading|	Response Time (seconds)
1	.1	501	1	4
2	.0	501	1	3
3	.1	501	1	3

Average Difference: 1

*Perform recalibration if average difference is greater than 10

Calibration Precision= Average Difference/Cal Gas Conc. X 100%

= 100%- 1 /500 x 100%

= 99.8%

Span Sensitivity:

Trial 1:
Counts Observed for the Span= 135732
Counters Observed for the Zero= 2703

Trial 2:
Counts Observed for the Span= 136441
Counters Observed for the Zero= 2692

Trial 3:
Counts Observed for the Span= 137293
Counters Observed for the Zero= 2688

Post Monitoring Calibration Check

Zero Air Reading: 0 ppm Cal Gas Reading: 500 ppm

BACKGROUND CONCENTRATIONS CHECKS

Upwind Location Description: Flare Reading: 1.1 ppm

Downwind Location Description: Grid 126 Reading: 116 ppm

Notes: Wind speed averages were observed to remain below the alternative requested 10 miles per hour and no instantaneous speeds exceeded 20 miles per hour. No rainfall had occurred within the previous 24 hours of the monitoring event. Therefore, site meteorological conditions were within the requested alternatives of the LMR requirements on the above mentioned date.

SURFACE EMISSIONS MONITORING
CALIBRATION AND PERTINENT DATA

post

Date: 08-04-21 Site Name: Patnero

Inspector(s): Bryan O Instrument: TVA 2020

WEATHER OBSERVATIONS

Wind Speed: 4 MPH Wind Direction: WSW Barometric Pressure: 30 "Hg

Air Temperature: 78 °F General Weather Conditions: Clear

CALIBRATION INFORMATION

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.

Instrument Serial Number: 1215 Cal Gas Concentration: 500ppm

Trial	Zero Air Reading	Cal Gas Reading	|Cal Gas Conc.-Cal Gas Reading|	Response Time (seconds)
1	1	501	1	4
2	2	499	1	3
3	1	501	1	2
		Average Difference:	1	

*Perform recalibration if average difference is greater than 10

Calibration Precision= Average Difference/Cal Gas Conc. X 100%

= 100%- 1 /500 x 100%

= 99.8%

Span Sensitivity:

Trial 1:
Counts Observed for the Span= 134987
Counters Observed for the Zero= 2662

Trial 2:
Counts Observed for the Span= 135648
Counters Observed for the Zero= 2849

Trial 3:
Counts Observed for the Span= 136974
Counters Observed for the Zero= 2841

Post Monitoring Calibration Check

Zero Air Reading: 0 ppm Cal Gas Reading: 500 ppm

BACKGROUND CONCENTRATIONS CHECKS

Upwind Location Description: Flare Reading: 1.1 ppm

Downwind Location Description: grid 126 Reading: 1.6 ppm

Notes: Wind speed averages were observed to remain below the alternative requested 10 miles per hour and no instantaneous speeds exceeded 20 miles per hour. No rainfall had occurred within the previous 24 hours of the monitoring event. Therefore, site meteorological conditions were within the requested alternatives of the LMR requirements on the above mentioned date.

Post

SURFACE EMISSIONS MONITORING
CALIBRATION AND PERTINENT DATA

Date: 08-04-21 Site Name: Potrero

Inspector(s): Don Gibson Instrument: TVA 2020

WEATHER OBSERVATIONS

Wind Speed: 9 MPH Wind Direction: WSW Barometric Pressure: 30 "Hg

Air Temperature: 78 °F General Weather Conditions: Clear

CALIBRATION INFORMATION

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.

Instrument Serial Number: 1223 Cal Gas Concentration: 500ppm

Trial	Zero Air Reading	Cal Gas Reading	|Cal Gas Conc.-Cal Gas Reading|	Response Time (seconds)
1	.1	500	0	2
2	.0	501	1	4
3	.0	501	1	3

Average Difference: .3

*Perform recalibration if average difference is greater than 10

Calibration Precision= Average Difference/Cal Gas Conc. X 100%

= 100%- .3 /500 x 100%

= 99.9%

Span Sensitivity:

Trial 1:
Counts Observed for the Span= 122861
Counters Observed for the Zero= 2545

Trial 2:
Counts Observed for the Span= 123845
Counters Observed for the Zero= 2532

Trial 3:
Counts Observed for the Span= 124738
Counters Observed for the Zero= 2521

Post Monitoring Calibration Check

Zero Air Reading: 0 ppm Cal Gas Reading: 500 ppm

BACKGROUND CONCENTRATIONS CHECKS

Upwind Location Description: Flare Reading: 1.1 ppm

Downwind Location Description: MW 126 Reading: 1.6 ppm

Notes: Wind speed averages were observed to remain below the alternative requested 10 miles per hour and no instantaneous speeds exceeded 20 miles per hour. No rainfall had occurred within the previous 24 hours of the monitoring event. Therefore, site meteorological conditions were within the requested alternatives of the LMR requirements on the above mentioned date.

SURFACE EMISSIONS MONITORING
CALIBRATION AND PERTINENT DATA

Date: 08-20-21 Site Name: Potrero

Inspector(s): Michael Morris Instrument: TVA 2020

WEATHER OBSERVATIONS

Wind Speed: 10 MPH Wind Direction: SW Barometric Pressure: 30 "Hg

Air Temperature: 57 °F General Weather Conditions: Smokey

CALIBRATION INFORMATION

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.

Instrument Serial Number: 5416 Cal Gas Concentration: 500ppm

Trial	Zero Air Reading	Cal Gas Reading	|Cal Gas Conc.-Cal Gas Reading|	Response Time (seconds)
1	.1	501	1	3
2	.9	501	1	4
3	.1	500	0	4

Average Difference: .7

*Perform recalibration if average difference is greater than 10

Calibration Precision= Average Difference/Cal Gas Conc. X 100%

= 100%- .7 /500 x 100%

= 99.9 %

Span Sensitivity:

Trial 1:
Counts Observed for the Span= 132984
Counters Observed for the Zero= 3913

Trial 2:
Counts Observed for the Span= 133742
Counters Observed for the Zero= 2945

Trial 3:
Counts Observed for the Span= 134921
Counters Observed for the Zero= 2953

Post Monitoring Calibration Check

Zero Air Reading: 0 ppm Cal Gas Reading: 500 ppm

BACKGROUND CONCENTRATIONS CHECKS

Upwind Location Description: Flare Grid 96 Reading: 1.7 ppm

Downwind Location Description: Reading: 1.5 ppm

Notes: Wind speed averages were observed to remain below the alternative requested 10 miles per hour and no instantaneous speeds exceeded 20 miles per hour. No rainfall had occurred within the previous 24 hours of the monitoring event. Therefore, site meteorological conditions were within the requested alternatives of the LMR requirements on the above mentioned date.

SURFACE EMISSIONS MONITORING
CALIBRATION AND PERTINENT DATA

Date: 08-20-21 Site Name: Potrero

Inspector(s): Don Gibson Instrument: TVA 2020

WEATHER OBSERVATIONS

Wind Speed: 10 MPH Wind Direction: SW Barometric Pressure: 30 "Hg

Air Temperature: 57 °F General Weather Conditions: Smokey

CALIBRATION INFORMATION

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.

Instrument Serial Number: 1229 Cal Gas Concentration: 500ppm

Trial	Zero Air Reading	Cal Gas Reading	|Cal Gas Conc.-Cal Gas Reading|	Response Time (seconds)
1	.9	499	1	3
2	.9	500	0	3
3	1.0	498	2	4

Average Difference: 1

*Perform recalibration if average difference is greater than 10

Calibration Precision= Average Difference/Cal Gas Conc. X 100%

= 100%- 1 /500 x 100%

= 99.7 %

Span Sensitivity:

Trial 1:
Counts Observed for the Span= 132749
Counters Observed for the Zero= 2832

Trial 2:
Counts Observed for the Span= 124702
Counters Observed for the Zero= 2841

Trial 3:
Counts Observed for the Span= 135437
Counters Observed for the Zero= 2825

Post Monitoring Calibration Check

Zero Air Reading: 0 ppm Cal Gas Reading: 500 ppm

BACKGROUND CONCENTRATIONS CHECKS

Upwind Location Description: Flare grid 126 Reading: 1.2 ppm

Downwind Location Description: Reading: 1.5 ppm

Notes: Wind speed averages were observed to remain below the alternative requested 10 miles per hour and no instantaneous speeds exceeded 20 miles per hour. No rainfall had occurred within the previous 24 hours of the monitoring event. Therefore, site meteorological conditions were within the requested alternatives of the LMR requirements on the above mentioned date.

SURFACE EMISSIONS MONITORING
CALIBRATION AND PERTINENT DATA

Date: 08-20-21 Site Name: Potrero

Inspector(s): Bryan O Instrument: TVA 2020

WEATHER OBSERVATIONS

Wind Speed: 10 MPH Wind Direction: SW Barometric Pressure: 30 "Hg

Air Temperature: 97 °F General Weather Conditions: Smokey

CALIBRATION INFORMATION

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.

Instrument Serial Number: 2367 Cal Gas Concentration: 500ppm

Trial	Zero Air Reading	Cal Gas Reading	|Cal Gas Conc -Cal Gas Reading|	Response Time (seconds)
1	.0	500	0	3
2	.0	501	1	3
3	.0	501	1	4

Average Difference: .7

*Perform recalibration if average difference is greater than 10

Calibration Precision= Average Difference/Cal Gas Conc. X 100%

= 100%- .7 /500 x 100%

= 99.9 %

Span Sensitivity:

Trial 1:
Counts Observed for the Span= 141006
Counters Observed for the Zero= 3542

Trial 2:
Counts Observed for the Span= 142841
Counters Observed for the Zero= 3556

Trial 3:
Counts Observed for the Span= 143924
Counters Observed for the Zero= 3563

Post Monitoring Calibration Check

Zero Air Reading: 0 ppm Cal Gas Reading: 500 ppm

BACKGROUND CONCENTRATIONS CHECKS

Upwind Location Description: Flare grid 26 Reading: 1.2 ppm

Downwind Location Description: Reading: 1.5 ppm

Notes: Wind speed averages were observed to remain below the alternative requested 10 miles per hour and no instantaneous speeds exceeded 20 miles per hour. No rainfall had occurred within the previous 24 hours of the monitoring event. Therefore, site meteorological conditions were within the requested alternatives of the LMR requirements on the above mentioned date.

SURFACE EMISSIONS MONITORING
CALIBRATION AND PERTINENT DATA

Date: 08-20-21 Site Name: Potrero

Inspector(s): Michael Morris Instrument: TVA 2020

WEATHER OBSERVATIONS

Wind Speed: 9 MPH Wind Direction: SW Barometric Pressure: 30 "Hg

Air Temperature: 83 °F General Weather Conditions: Smokey

CALIBRATION INFORMATION

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.

Instrument Serial Number: 5419 Cal Gas Concentration: 500ppm

Trial	Zero Air Reading	Cal Gas Reading	|Cal Gas Conc.-Cal Gas Reading|	Response Time (seconds)
1	.1	501	1	3
2	.1	~~502~~ 501	1	~~3~~ 2
3	.1	501	1	2

Average Difference: 1.3

*Perform recalibration if average difference is greater than 10

Calibration Precision= Average Difference/Cal Gas Conc. X 100%

= 100%- 1.3 /500 x 100%

= 99.7%

Span Sensitivity:

Trial 1:
Counts Observed for the Span= 13586
Counters Observed for the Zero= 3896

Trial 2:
Counts Observed for the Span= 13921
Counters Observed for the Zero= 3884

Trial 3:
Counts Observed for the Span= 13924
Counters Observed for the Zero= 3875

Post Monitoring Calibration Check

Zero Air Reading: 0 ppm Cal Gas Reading: 509 ppm

BACKGROUND CONCENTRATIONS CHECKS

Upwind Location Description: Front Grid 176 Reading: 1.1 ppm

Downwind Location Description: Reading: 1.6 ppm

Notes: Wind speed averages were observed to remain below the alternative requested 10 miles per hour and no instantaneous speeds exceeded 20 miles per hour. No rainfall had occurred within the previous 24 hours of the monitoring event. Therefore, site meteorological conditions were within the requested alternatives of the LMR requirements on the above mentioned date.

SURFACE EMISSIONS MONITORING
CALIBRATION AND PERTINENT DATA

Date: 08-20-21 Site Name: Potrero

Inspector(s): DM Gibson Instrument: TVA 2020

WEATHER OBSERVATIONS

Wind Speed: 4 MPH Wind Direction: Cloudy Barometric Pressure: 30 "Hg

Air Temperature: 87 °F General Weather Conditions: Foggy

CALIBRATION INFORMATION

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.

Instrument Serial Number: 1223 Cal Gas Concentration: 500ppm

Trial	Zero Air Reading	Cal Gas Reading	|Cal Gas Conc.-Cal Gas Reading|	Response Time (seconds)
1	1	600	0	3
2	0	601	1	4
3	1	601	1	3

Average Difference: .7

*Perform recalibration if average difference is greater than 10

Calibration Precision= Average Difference/Cal Gas Conc. X 100%

= 100%- .7 /500 x 100%

= 99.9%

Span Sensitivity:

Trial 1:
Counts Observed for the Span= 136723
Counters Observed for the Zero= 2742

Trial 2:
Counts Observed for the Span= 137922
Counters Observed for the Zero= 2731

Trial 3:
Counts Observed for the Span= 138445
Counters Observed for the Zero= 2723

Post Monitoring Calibration Check

Zero Air Reading: 0 ppm Cal Gas Reading: 500 ppm

BACKGROUND CONCENTRATIONS CHECKS

Upwind Location Description: Flare Reading: 1.1 ppm

Downwind Location Description: grid 126 Reading: 1.6 ppm

Notes: Wind speed averages were observed to remain below the alternative requested 10 miles per hour and no instantaneous speeds exceeded 20 miles per hour. No rainfall had occurred within the previous 24 hours of the monitoring event. Therefore, site meteorological conditions were within the requested alternatives of the LMR requirements on the above mentioned date.

SURFACE EMISSIONS MONITORING
CALIBRATION AND PERTINENT DATA

Date: 08-29-21 Site Name: Portrero

Inspector(s): Bryan Instrument: TVA 2020

WEATHER OBSERVATIONS

Wind Speed: 4 MPH Wind Direction: SW Barometric Pressure: 30 "Hg

Air Temperature: 83 °F General Weather Conditions: Smokey

CALIBRATION INFORMATION

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.

Instrument Serial Number: 2367 Cal Gas Concentration: 500ppm

Trial	Zero Air Reading	Cal Gas Reading	|Cal Gas Conc.-Cal Gas Reading|	Response Time (seconds)
1	.1	501	1	
2	.1	501	1	
3	.0	502	2	

Average Difference: 1.3

*Perform recalibration if average difference is greater than 10

Calibration Precision= Average Difference/Cal Gas Conc. X 100%

= 100%- 1.3 /500 x 100%

= 99.7 %

Span Sensitivity:

Trial 1:
Counts Observed for the Span= 144823
Counters Observed for the Zero= 3481

Trial 2:
Counts Observed for the Span= 145704
Counters Observed for the Zero= 3470

Trial 3:
Counts Observed for the Span= 146984
Counters Observed for the Zero= 3463

Post Monitoring Calibration Check

Zero Air Reading: 0 ppm Cal Gas Reading: 500 ppm

BACKGROUND CONCENTRATIONS CHECKS

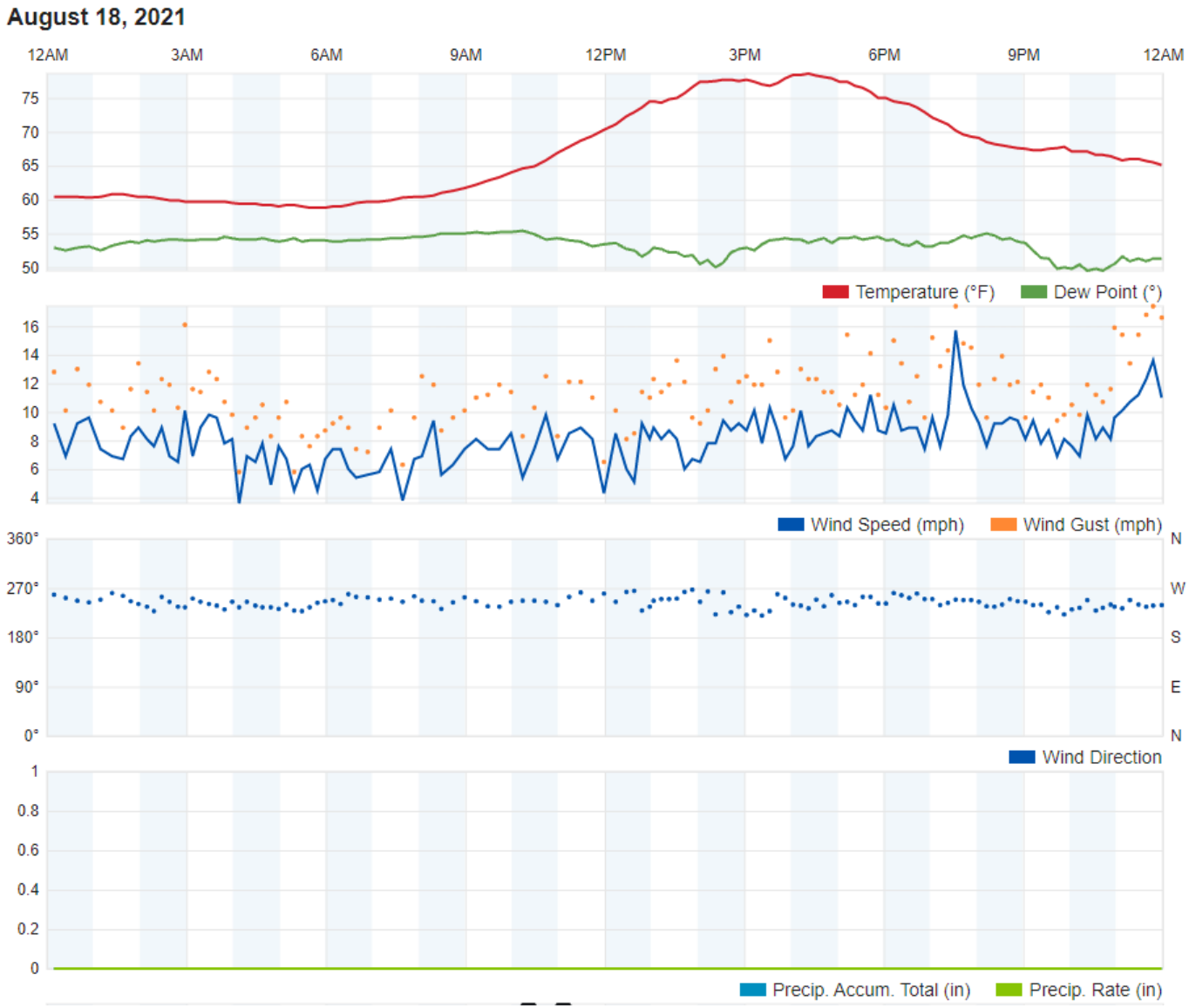
Upwind Location Description: Flare Grid 126 Reading: 1.1 ppm

Downwind Location Description: Reading: 1.6 ppm

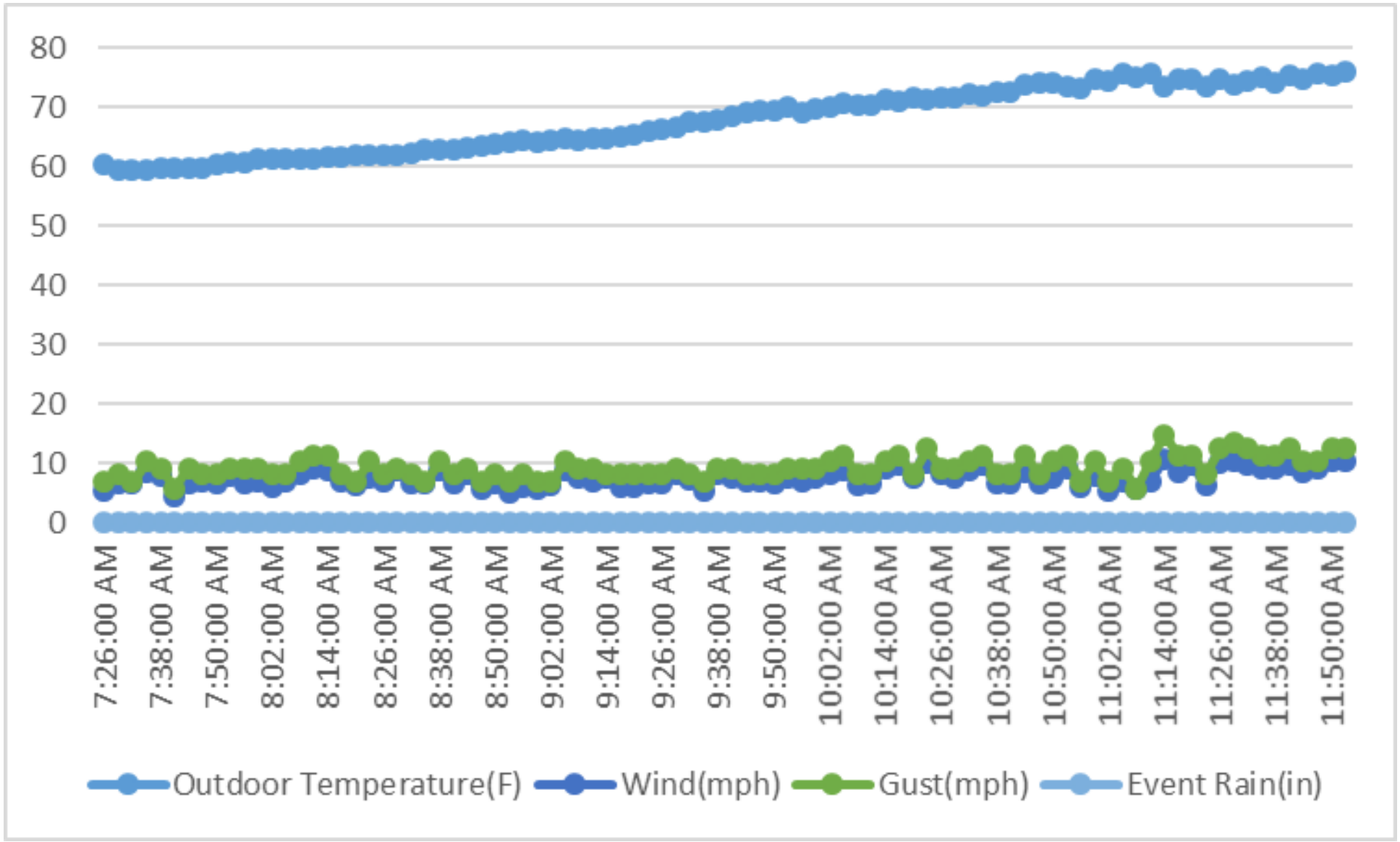
Notes: Wind speed averages were observed to remain below the alternative requested 10 miles per hour and no instantaneous speeds exceeded 20 miles per hour. No rainfall had occurred within the previous 24 hours of the monitoring event. Therefore, site meteorological conditions were within the requested alternatives of the LMR requirements on the above mentioned date.

Attachment 6

Weather Data



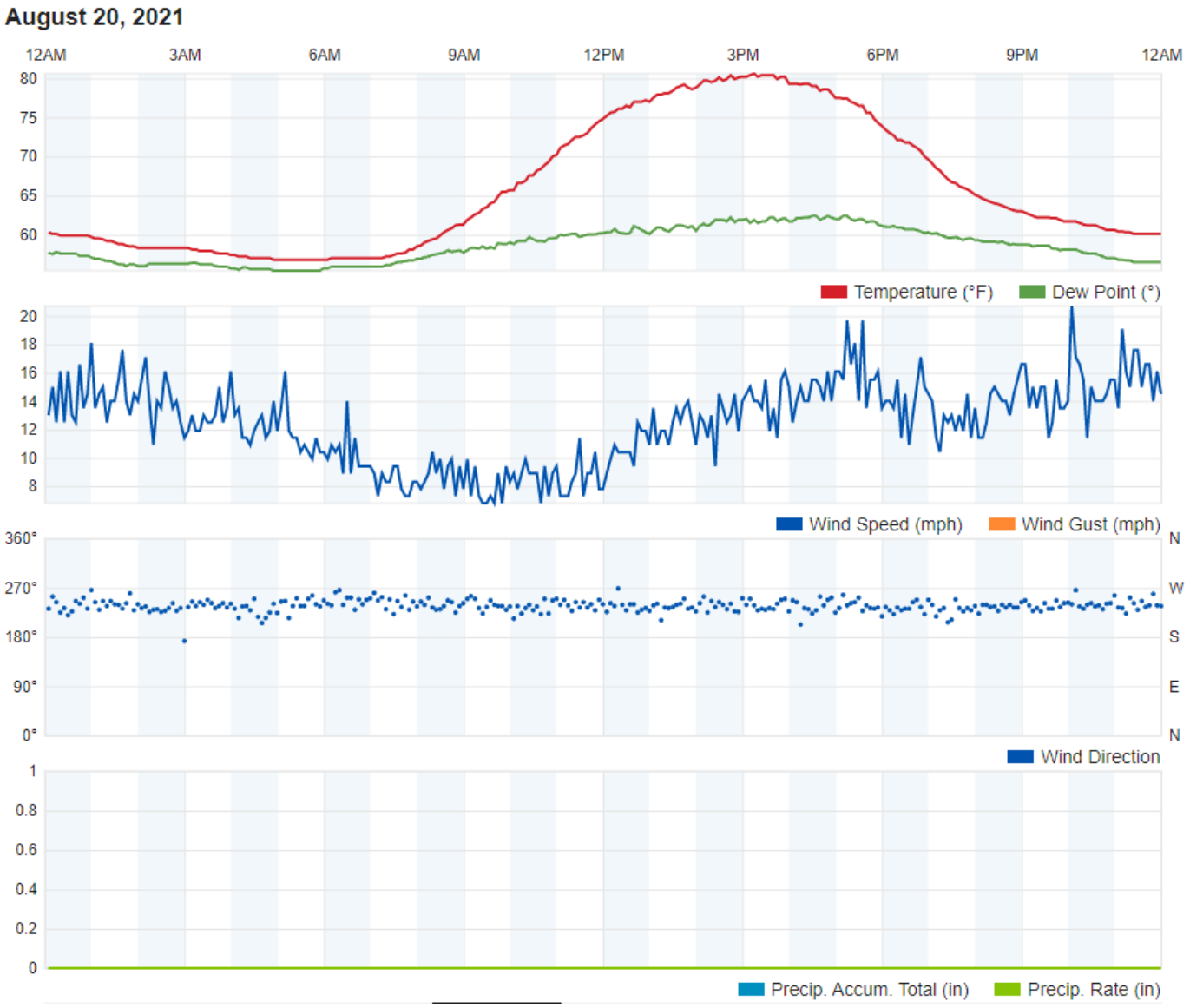
August 18, 2021
Emissions Monitoring Weather Data
Potrero Hills Landfill, Suisun City, California



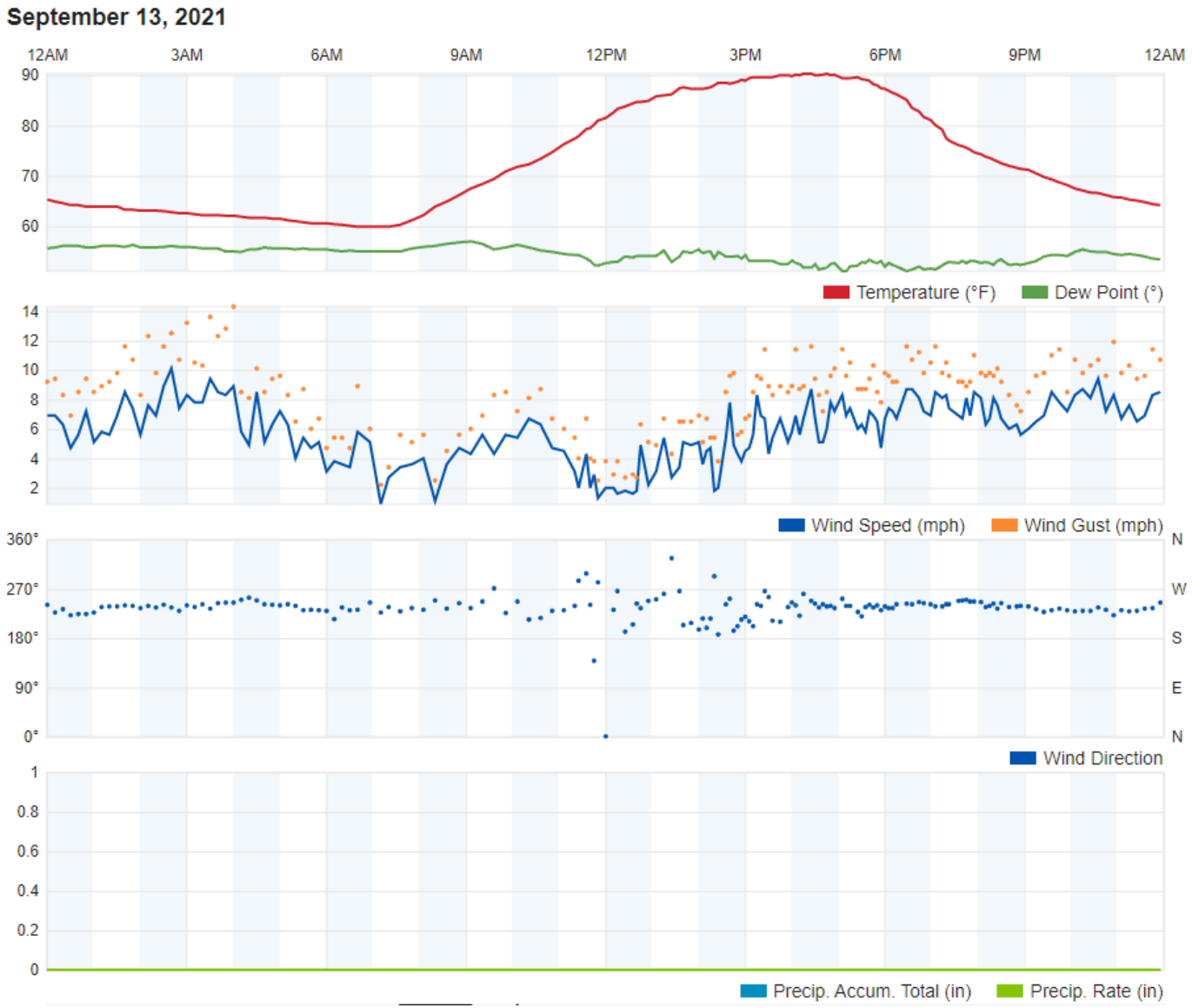
August 19, 2021

Emissions Monitoring Weather Data

Potrero Hills Landfill, Suisun City, California



August 20, 2021
Emissions Monitoring Weather Data
Potrero Hills Landfill, Suisun City, California



September 13, 2021
Emissions Monitoring Weather Data
Potrero Hills Landfill, Suisun City, California

January 10, 2022
Project No. 07216067.00 Task 2

Mr. David Jappert
Waste Connections
Potrero Hill Landfill
P.O. Box 68
Fairfield, California 94533

Subject: Potrero Hills Landfill – Suisun City, California

Landfill Methane Rule (LMR) and New Source Performance Standard (NSPS) Surface Emissions Monitoring (SEM) for Fourth Quarter 2021 October Bi-monthly.

Dear Mr. Jappert:

SCS Field Services (SCS-FS) is pleased to provide Waste Connections (WCI), with the enclosed report summarizing the October 2021 bi-monthly surface emissions monitoring services provided at the Potrero Hills Landfill (Site) during the fourth quarter 2021. This report includes the results of surface scan, component emissions and blower/flare station emissions monitoring for the Site.

SCS-FS appreciates the opportunity to be of assistance WCI on this project. As you review the enclosed information, please contact Art Jones at (209) 345-2062 or Whitney Stackhouse (209) 338-7990 if you have any questions or comments.

Sincerely,

Whitney M. Stackhouse
Project Manager
SCS Field Services

Arthur E. Jones Jr.
DSW Region Manager/VP
SCS Field Services

WS/AJ

cc: Enclosure
Jamison Pfister – Waste Connections
Mike Calmes - SCS Field Services
Cassandra Drotman – SCS Engineers
Meng Yuan- SCS Engineers

Potrero Hills Landfill

Landfill Methane Rule (LMR) and New Source Performance Standard (NSPS) Surface Emissions Monitoring (SEM)

Fourth Quarter 2021 (October Bi-Monthly Event)

Presented to:

Mr. Dave Jappert
Waste Connections
Potrero Hill Landfill
P.O. Box 68
Fairfield, California 94533

SCS FIELD SERVICES

File No. 07216067.00 Task 2| January 10, 2022

SCS FIELD SERVICES
4730 Enterprise Way Suite A
Modesto, CA 95356

Potrero Hills Landfill

Landfill Methane Rule and New Source Performance Standard Surface Emissions Monitoring Fourth Quarter 2021 – October Bi-Monthly Testing

INTRODUCTION

This letter provides results of the fourth quarter bi-monthly October 13, 17, 18, and November 12, 2021, NSPS and LMR surface emissions monitoring (SEM) performed by SCS Field Services (SCS) at the subject site. All work was performed in accordance with our approved Work Scope (Task 2) dated, July 12, 2011, in addition to NSPS and LMR requirements, alternative monitoring requirements and the compliance agreement with the Bay Area Air Quality Management District (BAAQMD).

SUMMARY AND CONCLUSIONS

As stipulated in the LMR, if uncorrectable exceedances outside the 10-day limitation are detected or emissions are discovered during an inspection by Regulatory Agencies, the landfill must perform monitoring on a 25 foot pathway on a quarterly basis for active disposal sites. If four (4) consecutive quarters of monitoring are performed without any exceedances as stipulated in the LMR, the landfill may increase the spacing to 100-foot pathways. As this event was a bi-monthly extra event, the monitoring at Potrero Hills Landfill was performed on 25 or 100-foot pathways, in accordance with the LMR. Please note that in accordance with the compliance agreement the SEM is conducted every two months until further notice.

The fourth quarter 2021 bi-monthly (October 2021) initial monitoring indicated one (1) integrated exceedance of the LMR threshold limit of 25 parts per million by volume (ppmv) measured as methane above background and one (1) instantaneous exceedance of the NSPS and LMR threshold limit of 500 ppmv measured as methane above background. SCS and site personnel performed system adjustments, and repair work (cover repair and flow increases), and the subsequent re-monitoring indicated the grid area and location with the exceedances had returned to compliance. These results are discussed in a subsequent section of this report.

Additionally, during the fourth quarter 2021, several grids were not monitored as these areas were deemed unsafe by WCI and/or SCS personnel for entry due to active filling operations which could cause a potential for injury of monitoring personnel. (Note however that all penetrations in these areas were tested as required but no pathway testing could be performed.) Areas consisting of native soil (no waste in place) are also exempt from monitoring, in accordance with the LMR.

In addition, monitoring of the pressurized piping or components of the gas collection and control system (GCCS) is to be performed quarterly. Leak testing of the landfill gas (LFG) Blower Flare Station (BFS) pressurized pipe and components were performed on October 18, 2021. The results indicated no exceedances of the NSPS and LMR instantaneous level of 500 ppmv. These results are also discussed below.

Further, as required under the LMR, any location on the landfill that has an observed instantaneous methane concentration above 200 ppmv, must be stake-marked and Global Positioning System (GPS) located on a site figure. During this reporting period, one (1) location was observed to be between the 200-499 ppmv, reporting threshold (see Attachment 2). When these readings are observed, the locations (see GPS coordinates) are reported to site personnel and are shown on an attached figure for tracking and/or remediation and will be reported in the next submittal of the annual LMR report.

Finally, to help prevent potential future exceedances, SCS recommends that the landfill surface be routinely inspected and any observed surface erosion be routinely repaired.

SURFACE EMISSIONS MONITORING

On October 13, 17, 18, and November 12, 2021, the instantaneous (pathway and component testing) and integrated testing, and re-testing, was performed over the surface of the subject site. The intent of the monitoring was to identify any specific locations or areas of the landfill surface with organic compound concentrations exceeding the NSPS and/or LMR threshold limit values of 500 ppmv measured as methane for instantaneous monitoring, or an average methane concentration of 25 ppmv for the integrated monitoring in the 50,000 square foot grids as required under the LMR. During these events SCS performed the monitoring on either a 25 or 100 foot pathway in all accessible areas, in accordance with the rules as required.

EMISSIONS TESTING INSTRUMENTATION/CALIBRATION

Instruments used to perform the landfill surface emission testing consisted of the following:

- Thermo Scientific TVA-2020 portable Flame Ionization Detector (FID). This instrument measures methane in air over a range of 1 to 50,000 ppmv. The TVA-2020 meets the State of California Air Resources Board (CARB) requirements for combined instantaneous and integrated monitoring and was calibrated in accordance with United States Environmental Protection Agency (US EPA) Method 21.

- Electronic Weather Anemometer with continuous recorder for meteorological conditions in accordance with the LMR.

Instrument calibration logs and weather information are shown in Attachments 5 and 6.

SURFACE EMISSIONS MONITORING PROCEDURES

Instantaneous and integrated SEM was conducted in accordance with the NSPS and LMR. Monitoring was performed with the FID inlet held within 3 inches of the landfill surface while a technician walked a grid in parallel paths not more than 25 or 100 feet apart over the surface of the landfill. Cracks, holes and all cover penetrations in the surface were also tested. Instantaneous surface emissions readings were monitored continuously and recorded every 5 seconds. Any areas in exceedance of the 200 or 500 ppmv standards (reporting and compliance levels, respectively) were GPS tagged, any locations exceeding the 500 ppmv standard are also stake-marked for on-site personnel to perform remediation or repairs.

The integrated average is based on the readings stored on the instrument which are recorded every 5 seconds. The readings are then downloaded and the averages are calculated for each grid using

SCS eTools®. All readings are maintained in this secure SCS Database. The readings are not provided in the report due to the volume of data, but can be furnished upon request.

Recorded wind speed results are shown in Attachment 6. Wind speed averages were observed to remain below the alternative requested 10 miles per hour, and no instantaneous speeds exceeded 20 miles per hour. No rainfall had occurred within 72 hours of the monitoring events. Therefore, site meteorological conditions were within the requested alternatives of the LMR requirements on the above mentioned dates.

TESTING RESULTS

During this SEM event, SCS performed the monitoring on a 25 or 100-foot pathway in accordance with the rules as required under the LMR. The intent of the monitoring was to identify any specific locations or areas of the landfill surface with organic compound concentrations exceeding the NSPS and/or LMR threshold limit values of 500 ppmv measured as methane for instantaneous monitoring, or an average methane concentration of 25 ppmv for the integrated monitoring.

The fourth quarter 2021 bi-monthly (October 2021) SEM testing results indicated one (1) integrated area exceeded the 25 ppmv LMR threshold, and one (1) location exceeded the instantaneous LMR and NSPS threshold of 500 ppmv. The required 10-day LMR/NSPS and 30-day NSPS re-monitoring for instantaneous testing, was performed on October 18, 2021 and November 12, 2021, respectively, indicated both the grid area and the instantaneous location had returned to compliance following system adjustments and remediation performed by site and SCS personnel. This work included cover repair and flow adjustments. Results of the monitoring, including the recently required GPS coordinates are shown in Attachments 3 and 4 (Tables 1 and 2). Calibration logs for the monitoring equipment are provided in Attachment 5.

Additionally, during the fourth quarter 2021, several grids were not monitored as these areas were deemed unsafe by WCI personnel for entry due to active filling operations which could cause a potential for injury of monitoring personnel. Areas consisting of native soil (no waste in place) are also exempt from monitoring, in accordance with the LMR.

PRESSURIZED PIPE AND COMPONENT LEAK MONITORING

On October 18, 2021, SCS performed LFG pressurized pipe and component leak monitoring at the BFS. Monitoring was performed with the detector inlet held one half of an inch from pressurized pipe and associated components. No locations exceeding the 500 ppmv threshold were observed during our monitoring event at the flare station. The maximum reading, which was 2.7 ppmv, was well below the required exceedance thresholds (see Table 1 for component results). Therefore, based on these results all pressurized piping and components located at the LFG BFS were in compliance at the time of our testing. Note that SCS prepares and submits a separate report for the Power Generation Facility operated by DTE.

PROJECT SCHEDULE

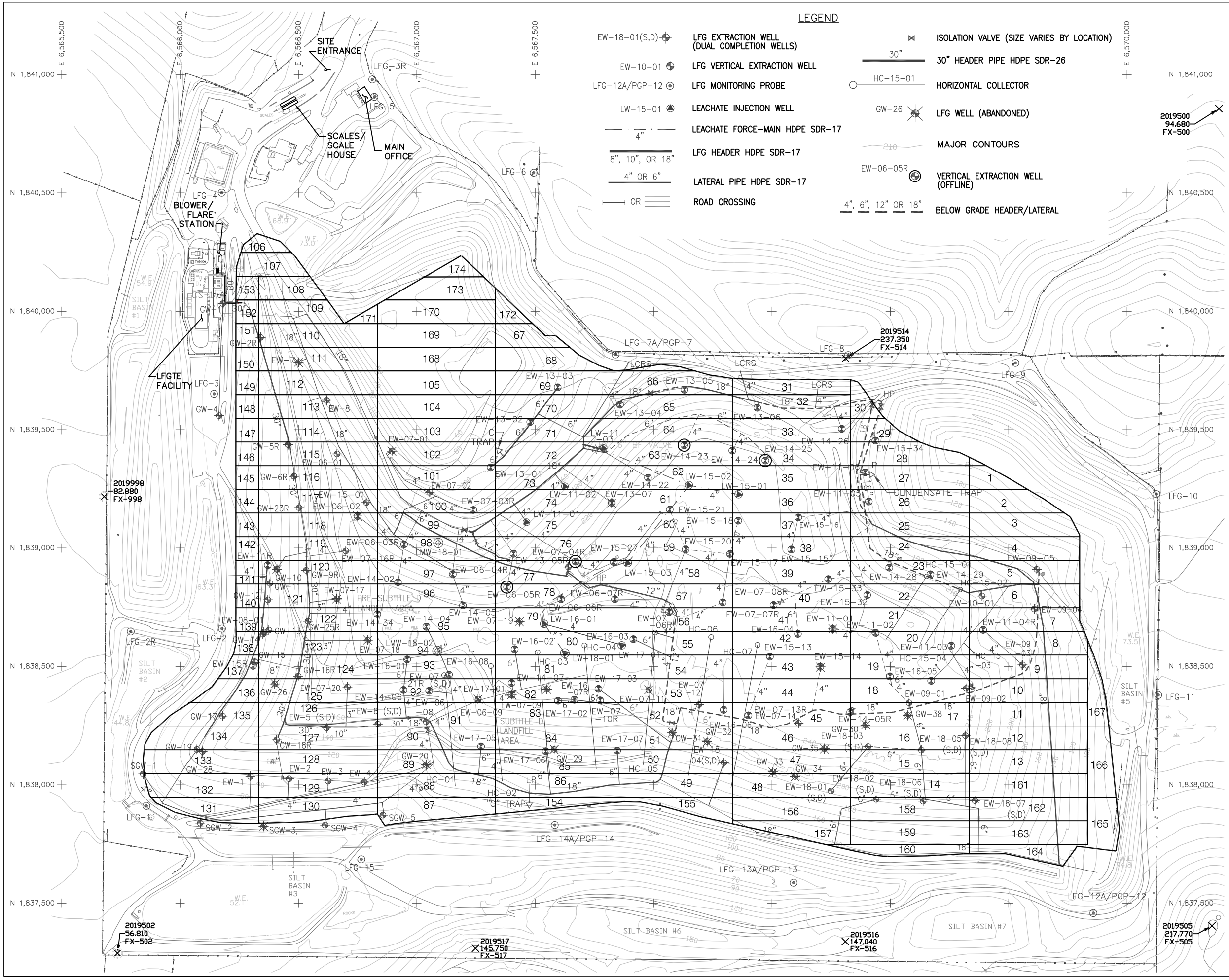
In accordance with our approved Work Scope and the BAAQMD compliance agreement, SCS is scheduled to perform the next NSPS and LMR bi-monthly testing during the month of December 2021, in all areas deemed safe for entry.

STANDARD PROVISIONS

This report addresses conditions of the subject site during the testing dates only. Accordingly, we assume no responsibility for any changes that may occur subsequent to our testing which could affect the surface emissions at the subject site or adjacent properties.

Attachment 1

Landfill Grid



DRAWING IS HALF-SIZE AT 11x17

ISSUED FOR CONSTRUCTION

74

GENERAL LFG SYSTEM PLAN NOTES:

1. SOME EXISTING LFG FACILITIES SHOWN MAY HAVE BEEN BURIED OR OTHERWISE REMOVED DURING THE COURSE OF GCCS INSTALLATIONS AT THE SITE. AS SUCH, THIS DRAWING SHOULD BE USED SOLELY FOR INFORMATIONAL PURPOSES FOR GENERAL LOCATIONS OF SYSTEM FEATURES. FIELD VERIFICATION OF ELEMENTS SHOWN WITHIN THE CONTRACT WORK AREA MAY BE REQUIRED.

SURVEY CONTROL

2019500 94.680 FX-500	2019514 237.350 FX-514
2019501 111.630 FX-501	2019516 147.040 FX-516
2019502 56.810 FX-502	2019517 145.750 FX-517
2019505 217.770 FX-505	2019998 82.880 FX-998

TOPOGRAPHICAL INFORMATION

CONTINENTAL MAPPING CONSULTANTS, INC.

Map Scale: 1" = 100' CI: 2 FT
Date of Photography: 03-14-2019
Horizontal Coordinate System:
Local Coordinate System, Survey Feet

Photogrammetry By:
Continental Mapping Consultants, Inc.
121 S. Bristol St., Suite 201
Sun Prairie, WI 53590

Compilation Date: 04/2019
CMC Job No: J19002

Areas obscured by vegetation, clouds or building lean are marked by obscured lines and contours inside these areas are dashed. Continental Mapping Consultants cannot guarantee the accuracy of the surface data or contours within these areas.

NO.	REVISION	DATE

SHEET TITLE: EXISTING GCCS PLAN W/ SEM GRID

PROJECT TITLE: POTRERO HILLS LANDFILL
2019 LFG IMPROVEMENTS DESIGN
SUISUN CITY, CALIFORNIA 94585

SCS ENGINEERS
STEARNS, CONRAD, AND SCHMIDT
CONSULTING ENGINEERS & CONTRACTORS
3117 FITE CIRCLE, SUITE 108
SACRAMENTO, CA 95827
PH: (916) 361-1297 FAX: (916) 361-1299

PROJ. NO. 01204082.01 | DSN. BY: MJE | DWN. BY: MJE | CKD. BY: MJE | ACAD FILE: FIG 1.EECS.90619 | APP. BY: WLM

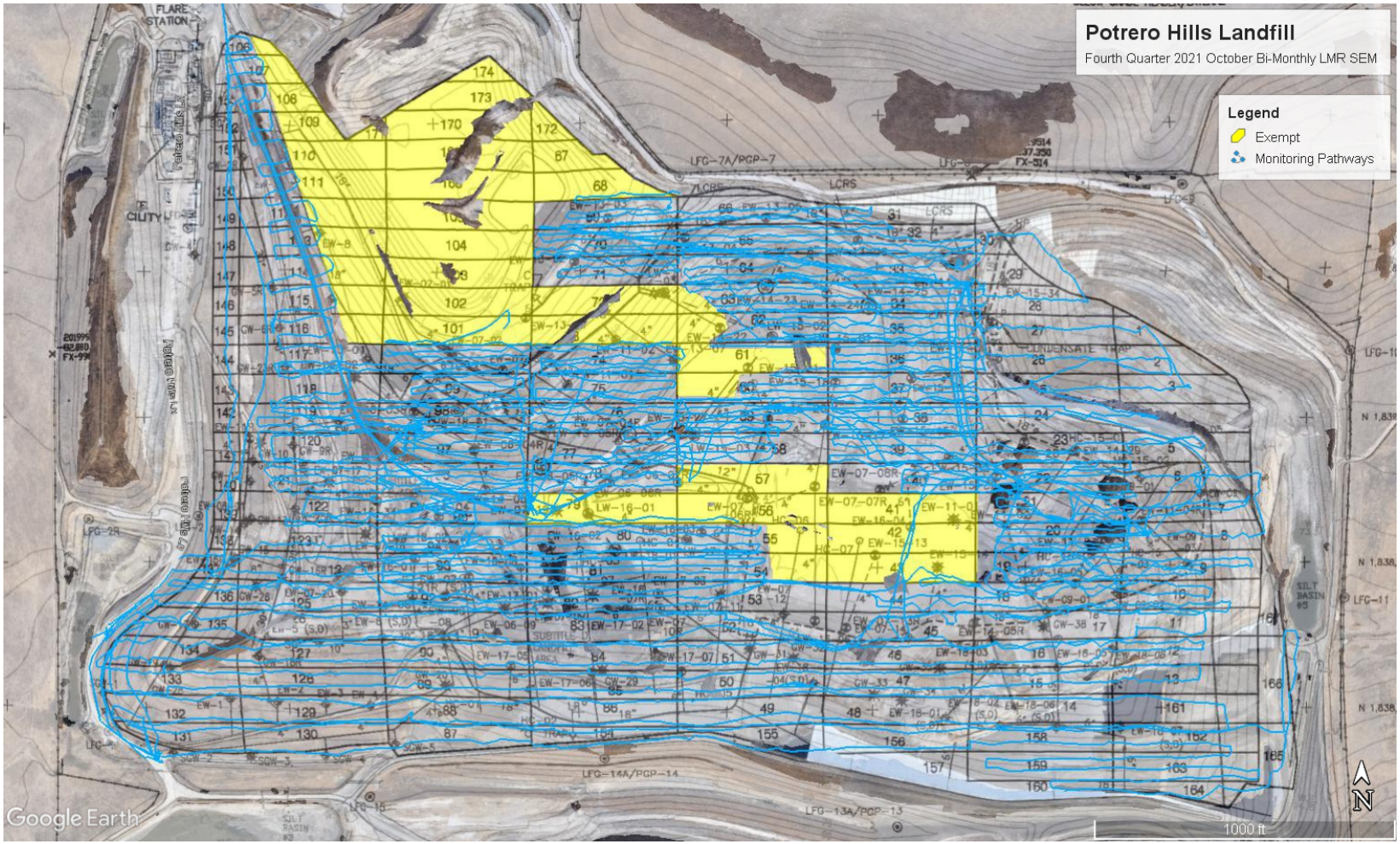
DATE: 05-21-19

SCALE: AS SHOWN

FIGURE: 1

Attachment 2

Surface Pathway



Fourth Quarter 2021 October Bi-Monthly LMR Surface Emissions Monitoring Pathway Potrero Hills Landfill, Suisun City, California

Attachment 3

Instantaneous and Component Emissions Monitoring Results

Fourth Quarter 2021 – October Bi-Monthly

Table 1. Instantaneous Surface and Component Emissions Monitoring Results

Potrero Hills Landfill, Suisun City, California

Instantaneous Data Report for October 13, 17, 18, and November 12, 2021

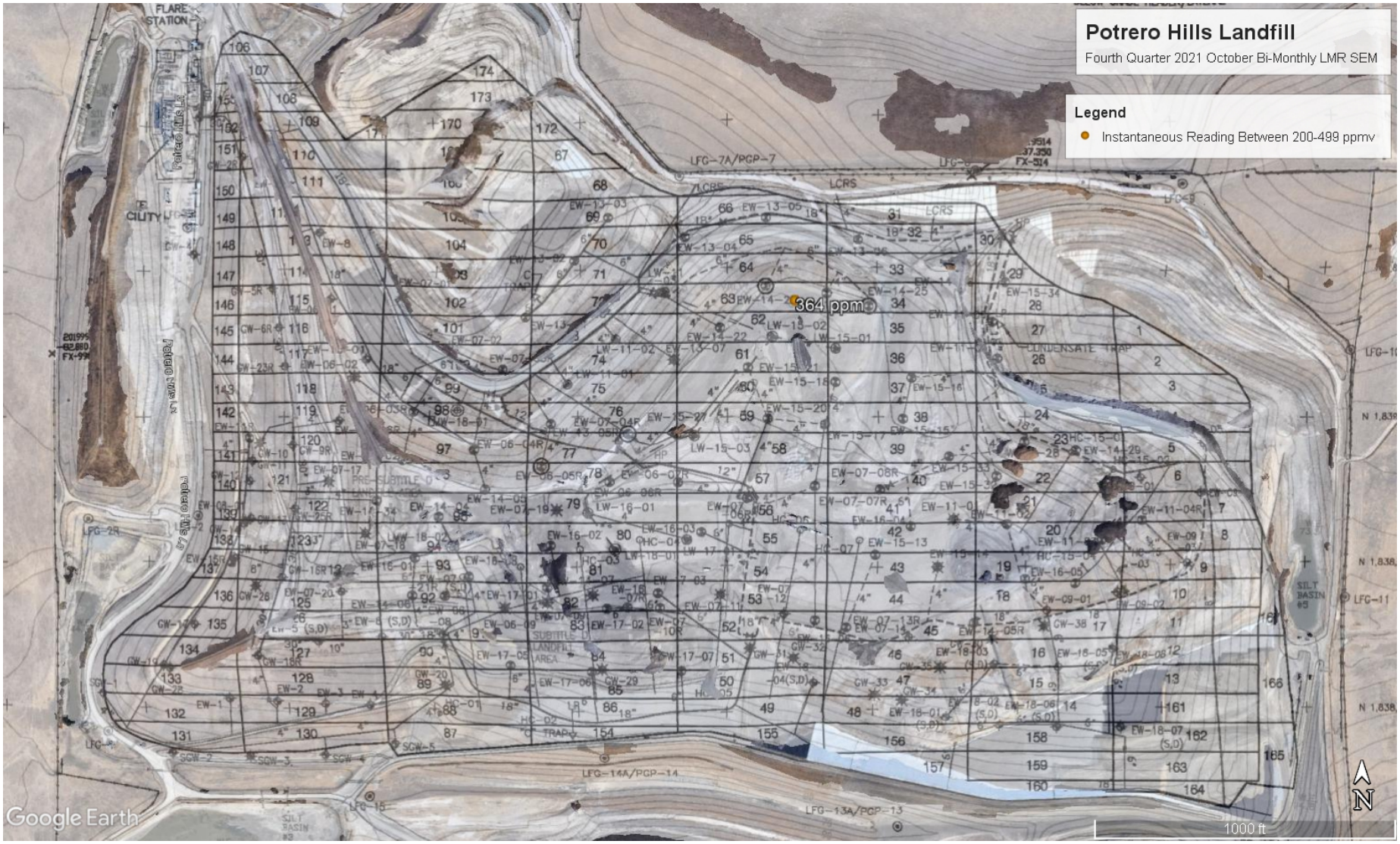
Location	*Initial Concentration (ppmv)* *10/18/2021*	*Follow Up Concentration (ppmv)- Qualifies As 10-Day* *10/18/2021*	*NSPS 30-Day Follow-Up Concentration (ppmv)* *11/12/2021*	*Latitude*	*Longitude*
EW-11-04R	700	180	82	38.210821°	-121.972996°
Readings between 200-499 ppmv October 18, 2021					
Grid 63	364		38.21297°	-121.97716°	

Instantaneous Data Report for October 18, 2021

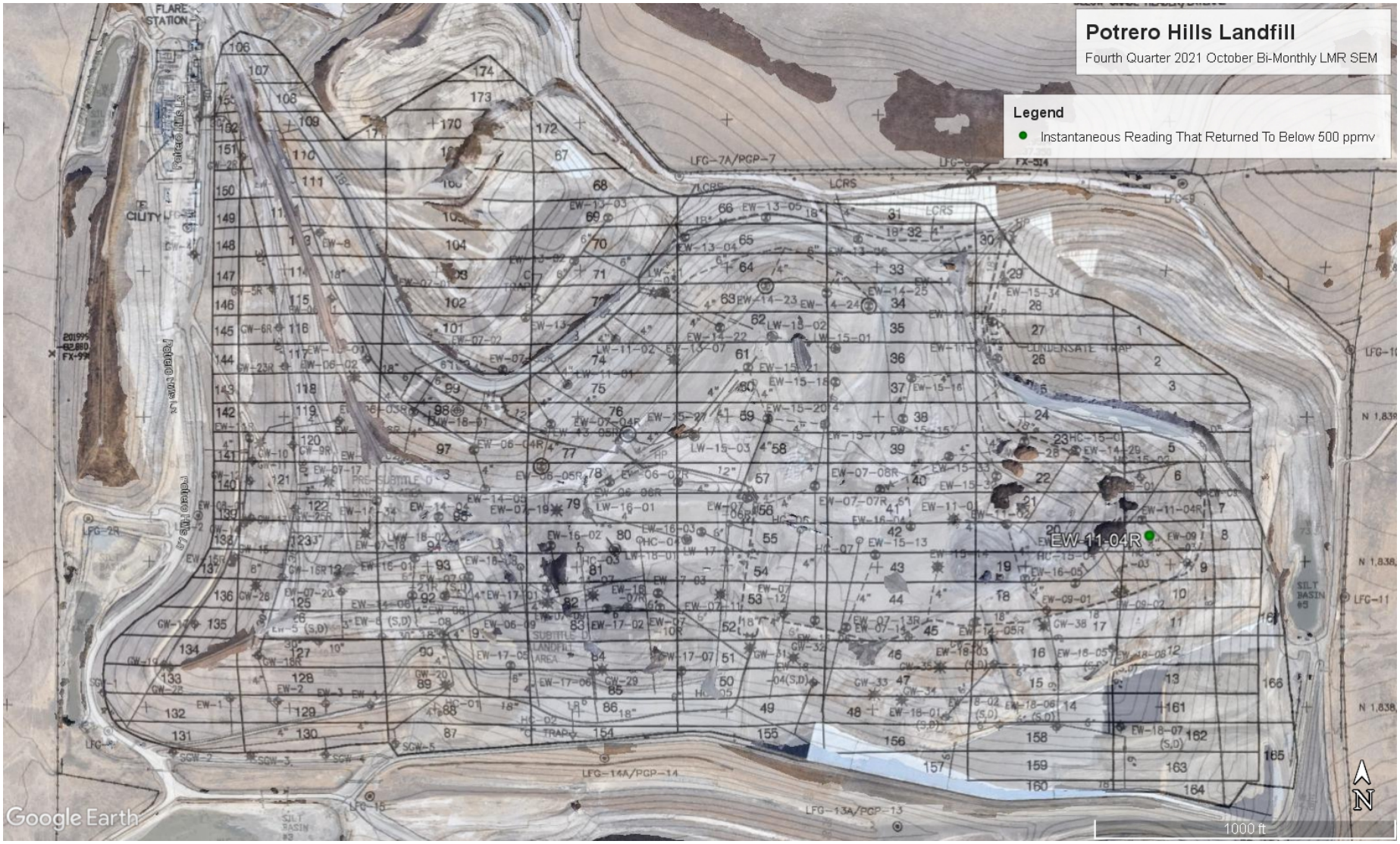
Pressurized Pipe Results

Route	*Date*	*Concentration (ppmv)*
LFG BFS	10/18/2021	2.7

No other uncorrectable exceedances of the 500 ppm threshold were observed during the first fourth quarter 2021 October bi-monthly monitoring event.



Fourth Quarter 2021 October Bi-Monthly
Instantaneous LMR Locations Between 200-499 ppmv
Potrero Hills Landfill, Suisun City, California



Fourth Quarter 2021 October Bi-Monthly Instantaneous NSPS and LMR Exceedance Locations Potrero Hills Landfill, Suisun City, California

Attachment 4

Integrated Monitoring Results

Fourth Quarter 2021-October Bi Monthly
Table 2. Integrated Surface Emissions Monitoring Results
Potrero Hills Landfill, Suisun City, California

Point Name	Record Date	FID Concentration (ppm)	Comments
PLF-1	10/18/2021	12.76	
PLF-2	10/18/2021	9.53	
PLF-3	10/18/2021	9.59	
PLF-4	10/18/2021	5.14	
PLF-5	10/18/2021	8.30	
PLF-6	10/18/2021	6.26	
PLF-7	10/18/2021	9.38	
PLF-8	10/18/2021	9.29	
PLF-9	10/18/2021	8.07	
PLF-10	10/13/2021	5.10	
PLF-11	10/13/2021	5.32	
PLF-12	10/13/2021	4.00	
PLF-13	10/13/2021	7.76	
PLF-14	10/13/2021	5.50	
PLF-15	10/13/2021	4.56	
PLF-16	10/13/2021	4.10	
PLF-17	10/13/2021	4.36	
PLF-18	10/13/2021	3.56	
PLF-19	10/18/2021	7.68	
PLF-20	10/18/2021	5.42	
PLF-21	10/18/2021	8.33	
PLF-22	10/18/2021	5.78	
PLF-23	10/18/2021	9.33	
PLF-24	10/18/2021	7.07	
PLF-25	10/18/2021	11.57	
PLF-26	10/18/2021	7.42	
PLF-27	10/18/2021	11.26	
PLF-28	10/18/2021	7.55	
PLF-29	10/18/2021	7.20	
PLF-30	10/18/2021	4.38	
PLF-31	10/18/2021	7.16	
PLF-32	10/18/2021	4.57	
PLF-33	10/18/2021	7.86	
PLF-34	10/18/2021	5.85	
PLF-35	10/18/2021	8.93	
PLF-36	10/18/2021	6.18	
PLF-37	10/18/2021	7.71	
PLF-38	10/18/2021	4.63	
PLF-39	10/18/2021	7.11	
PLF-40	10/18/2021	4.64	
PLF-41	--	--	Active
PLF-42	--	--	Active
PLF-43	--	--	Active

Fourth Quarter 2021-October Bi Monthly
Table 2. Integrated Surface Emissions Monitoring Results
Potrero Hills Landfill, Suisun City, California

Point Name	Record Date	FID Concentration (ppm)	Comments
PLF-44	10/13/2021	4.96	
PLF-45	10/13/2021	8.89	
PLF-46	10/13/2021	6.64	
PLF-47	10/13/2021	7.68	
PLF-48	10/13/2021	7.07	
PLF-49	10/13/2021	6.64	
PLF-50	10/13/2021	8.16	
PLF-51	10/13/2021	4.73	
PLF-52	10/13/2021	7.94	
PLF-53	10/13/2021	3.90	
PLF-54	10/13/2021	3.61	
PLF-55	10/13/2021	4.84	
PLF-56	--	--	Active
PLF-57	--	--	Active
PLF-58	10/18/2021	6.89	
PLF-59	10/18/2021	3.32	
PLF-60	10/18/2021	8.24	
PLF-61	10/18/2021	25.79	Initial Results
PLF-61	10/18/2021	10.96	10-Day Follow Up Results
PLF-62	10/18/2021	15.25	
PLF-63	10/18/2021	11.42	
PLF-64	10/18/2021	10.99	
PLF-65	10/18/2021	7.77	
PLF-66	10/18/2021	7.19	
PLF-67	--	--	Active
PLF-68	--	--	Active
PLF-69	10/18/2021	15.73	
PLF-70	10/18/2021	9.18	
PLF-71	10/18/2021	10.82	
PLF-72	--	--	Active
PLF-73	--	--	Active
PLF-74	10/17/2021	11.29	
PLF-75	10/17/2021	5.34	
PLF-76	10/17/2021	8.36	
PLF-77	10/17/2021	5.11	
PLF-78	10/17/2021	6.76	
PLF-79	--	--	Active
PLF-80	10/13/2021	3.15	
PLF-81	10/13/2021	3.99	
PLF-82	10/13/2021	4.60	
PLF-83	10/13/2021	6.71	
PLF-84	10/13/2021	5.07	
PLF-85	10/13/2021	4.97	

Fourth Quarter 2021-October Bi Monthly
Table 2. Integrated Surface Emissions Monitoring Results
Potrero Hills Landfill, Suisun City, California

Point Name	Record Date	FID Concentration (ppm)	Comments
PLF-86	10/13/2021	6.90	
PLF-87	10/13/2021	7.53	
PLF-88	10/13/2021	2.77	
PLF-89	10/13/2021	3.88	
PLF-90	10/13/2021	4.30	
PLF-91	10/13/2021	6.59	
PLF-92	10/13/2021	5.01	
PLF-93	10/13/2021	2.80	
PLF-94	10/13/2021	2.63	
PLF-95	10/17/2021	5.09	
PLF-96	10/17/2021	7.56	
PLF-97	10/17/2021	6.72	
PLF-98	10/17/2021	9.81	
PLF-99	10/17/2021	8.11	
PLF-100	10/17/2021	10.02	
PLF-101	--	--	Active
PLF-102	--	--	Active
PLF-103	--	--	Active
PLF-104	--	--	Active
PLF-105	--	--	Active
PLF-106	10/17/2021	10.06	
PLF-107	10/17/2021	8.72	
PLF-108	10/17/2021	8.84	
PLF-109	10/17/2021	11.36	
PLF-110	10/17/2021	9.32	
PLF-111	10/17/2021	8.82	
PLF-112	10/17/2021	7.21	
PLF-113	10/17/2021	6.60	
PLF-114	10/17/2021	6.58	
PLF-115	10/17/2021	5.72	
PLF-116	10/17/2021	5.63	
PLF-117	10/17/2021	5.61	
PLF-118	10/17/2021	5.51	
PLF-119	10/17/2021	6.86	
PLF-120	10/17/2021	4.67	
PLF-121	10/17/2021	7.01	
PLF-122	10/17/2021	5.12	
PLF-123	10/13/2021	2.02	
PLF-124	10/13/2021	2.82	
PLF-125	10/13/2021	3.18	
PLF-126	10/13/2021	2.93	
PLF-127	10/13/2021	2.84	
PLF-128	10/13/2021	2.56	

Fourth Quarter 2021-October Bi Monthly
Table 2. Integrated Surface Emissions Monitoring Results
Potrero Hills Landfill, Suisun City, California

Point Name	Record Date	FID Concentration (ppm)	Comments
PLF-129	10/13/2021	1.71	
PLF-130	10/13/2021	3.83	
PLF-131	10/13/2021	4.15	
PLF-132	10/13/2021	2.36	
PLF-133	10/13/2021	2.94	
PLF-134	10/13/2021	3.65	
PLF-135	10/13/2021	3.28	
PLF-136	10/13/2021	2.97	
PLF-137	10/17/2021	6.28	
PLF-138	10/17/2021	6.29	
PLF-139	10/17/2021	6.27	
PLF-140	10/17/2021	6.27	
PLF-141	10/17/2021	6.29	
PLF-142	10/17/2021	6.10	
PLF-143	10/17/2021	6.20	
PLF-144	10/17/2021	6.16	
PLF-145	10/17/2021	6.25	
PLF-146	10/17/2021	6.62	
PLF-147	10/17/2021	6.12	
PLF-148	10/17/2021	6.83	
PLF-149	10/17/2021	6.17	
PLF-150	10/17/2021	6.20	
PLF-151	10/17/2021	6.60	
PLF-152	10/17/2021	7.23	
PLF-153	10/17/2021	7.50	
PLF-154	10/13/2021	12.55	
PLF-155	10/13/2021	9.01	
PLF-156	10/13/2021	11.10	
PLF-157	10/13/2021	12.76	
PLF-158	10/13/2021	9.71	
PLF-159	10/13/2021	7.38	
PLF-160	10/13/2021	11.48	
PLF-161	10/13/2021	6.79	
PLF-162	10/13/2021	11.81	
PLF-163	10/13/2021	9.27	
PLF-164	10/13/2021	12.59	
PLF-165	10/13/2021	18.67	
PLF-166	10/13/2021	23.38	
PLF-167	10/13/2021	24.89	
PLF-168	--	--	Active
PLF-169	--	--	Active
PLF-170	--	--	Active
PLF-171	--	--	Active

Fourth Quarter 2021-October Bi Monthly
Table 2. Integrated Surface Emissions Monitoring Results
Potrero Hills Landfill, Suisun City, California

Point Name	Record Date	FID Concentration (ppm)	Comments
PLF-172	--	--	Active
PLF-173	--	--	Active
PLF-174	--	--	Active

Attachment 5

Calibration Logs

Pre

SURFACE EMISSIONS MONITORING
CALIBRATION AND PERTINENT DATA

Date: 10-13-21 Site Name: Potrero

Inspector(s): Bryan O Instrument: TVA 2020

WEATHER OBSERVATIONS

Wind Speed: 8 MPH Wind Direction: 3 Barometric Pressure: 30 "Hg

Air Temperature: 61 °F General Weather Conditions: clear

CALIBRATION INFORMATION

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.

Instrument Serial Number: 1215 Cal Gas Concentration: 500ppm

Trial	Zero Air Reading	Cal Gas Reading	|Cal Gas Conc.-Cal Gas Reading|	Response Time (seconds)
1	.2	505	5	4
2	.1	502	2	6
3	.2	500	0	3

Average Difference: 1.6

*Perform recalibration if average difference is greater than 10

Calibration Precision= Average Difference/Cal Gas Conc. X 100%

= 100%- 1.6 /500 x 100%

= 99.7 %

Span Sensitivity:

Trial 1:
Counts Observed for the Span= 107652
Counters Observed for the Zero= 3276

Trial 2:
Counts Observed for the Span=
Counters Observed for the Zero= 3248

Trial 3:
Counts Observed for the Span=
Counters Observed for the Zero= 3310

Post Monitoring Calibration Check

Zero Air Reading: 0 ppm Cal Gas Reading: 500 ppm

BACKGROUND CONCENTRATIONS CHECKS

Upwind Location Description: Entrance Reading: .2 ppm

Downwind Location Description: G164 Reading: 1.6 ppm

Notes: Wind speed averages were observed to remain below the alternative requested 10 miles per hour and no instantaneous speeds exceeded 20 miles per hour. No rainfall had occurred within the previous 24 hours of the monitoring event. Therefore, site meteorological conditions were within the requested alternatives of the LMR requirements on the above mentioned date.

Pre

SURFACE EMISSIONS MONITORING
CALIBRATION AND PERTINENT DATA

Date: 10-13-21 Site Name: Potrero

Inspector(s): Liam M Instrument: TVA 2020

WEATHER OBSERVATIONS

Wind Speed: 8 MPH Wind Direction: S Barometric Pressure: 30 "Hg

Air Temperature: 61 °F General Weather Conditions: Clear

CALIBRATION INFORMATION

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.

Instrument Serial Number: 1223 Cal Gas Concentration: 500ppm

Trial	Zero Air Reading	Cal Gas Reading	|Cal Gas Conc.-Cal Gas Reading|	Response Time (seconds)
1	.0	501	1	3
2	.1	500	0	4
3	.0	502	2	4

Average Difference: 1

*Perform recalibration if average difference is greater than 10

Calibration Precision= Average Difference/Cal Gas Conc. X 100%

= 100%- 1 /500 x 100%

= 99.8 %

Span Sensitivity:

Trial 1:
Counts Observed for the Span= 86768
Counters Observed for the Zero= 3270

Trial 2:
Counts Observed for the Span= [illegible]95440
Counters Observed for the Zero= 3198

Trial 3:
Counts Observed for the Span= 96384
Counters Observed for the Zero= 3246

Post Monitoring Calibration Check

Zero Air Reading: 0 ppm Cal Gas Reading: 500 ppm

BACKGROUND CONCENTRATIONS CHECKS

Upwind Location Description: Entrance Reading: 1.3 ppm

Downwind Location Description: G164 Reading: 1.6 ppm

Notes: Wind speed averages were observed to remain below the alternative requested 10 miles per hour and no instantaneous speeds exceeded 20 miles per hour. No rainfall had occurred within the previous 24 hours of the monitoring event. Therefore, site meteorological conditions were within the requested alternatives of the LMR requirements on the above mentioned date.

pre

SURFACE EMISSIONS MONITORING
CALIBRATION AND PERTINENT DATA

Date: 10-13-21 Site Name: Robrero

Inspector(s): micheal Instrument: TVA 2020

WEATHER OBSERVATIONS

Wind Speed: 8 MPH Wind Direction: S Barometric Pressure: 30 "Hg

Air Temperature: 61 °F General Weather Conditions: clear

CALIBRATION INFORMATION

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.

Instrument Serial Number: 5415 Cal Gas Concentration: 500ppm

Trial	Zero Air Reading	Cal Gas Reading	|Cal Gas Conc.-Cal Gas Reading|	Response Time (seconds)
1	.1	502	2	4
2	.0	500	0	4
3	.2	501	1	3

Average Difference: 1

*Perform recalibration if average difference is greater than 10

Calibration Precision= Average Difference/Cal Gas Conc. X 100%

= 100%- 1 /500 x 100%

= 99.8 %

Span Sensitivity:

Trial 1:
Counts Observed for the Span= 96824
Counters Observed for the Zero= 5289

Trial 2:
Counts Observed for the Span= 96951
Counters Observed for the Zero= 5176

Trial 3:
Counts Observed for the Span= 97386
Counters Observed for the Zero= 5234

Post Monitoring Calibration Check

Zero Air Reading: 0 ppm Cal Gas Reading: 500 ppm

BACKGROUND CONCENTRATIONS CHECKS

Upwind Location Description: Entrance Reading: 1.2 ppm

Downwind Location Description: G164 Reading: 1.6 ppm

Notes: Wind speed averages were observed to remain below the alternative requested 10 miles per hour and no instantaneous speeds exceeded 20 miles per hour. No rainfall had occurred within the previous 24 hours of the monitoring event. Therefore, site meteorological conditions were within the requested alternatives of the LMR requirements on the above mentioned date.

Pre

SURFACE EMISSIONS MONITORING
CALIBRATION AND PERTINENT DATA

Date: 10-13-21 Site Name: Potrero

Inspector(s): Don G Instrument: TVA 2020

WEATHER OBSERVATIONS

Wind Speed: 8 MPH Wind Direction: S Barometric Pressure: 30 "Hg

Air Temperature: 61 °F General Weather Conditions: clear

CALIBRATION INFORMATION

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.

Instrument Serial Number: 5420 Cal Gas Concentration: 500ppm

Trial	Zero Air Reading	Cal Gas Reading	|Cal Gas Conc.-Cal Gas Reading|	Response Time (seconds)
1	.0	503	3	4
2	.0	502	2	3
3	.1	500	0	4

Average Difference: 1.6

*Perform recalibration if average difference is greater than 10

Calibration Precision= Average Difference/Cal Gas Conc. X 100%

= 100%- 1.6 /500 x 100%

= 99.7 %

Span Sensitivity:

Trial 1:
Counts Observed for the Span= 128713
Counters Observed for the Zero= 3944

Trial 2:
Counts Observed for the Span= 128946
Counters Observed for the Zero= 3972

Trial 3:
Counts Observed for the Span= 128824
Counters Observed for the Zero= 3968

Post Monitoring Calibration Check

Zero Air Reading: 0 ppm Cal Gas Reading: 500 ppm

BACKGROUND CONCENTRATIONS CHECKS

Upwind Location Description: Entrance Reading: 1.3 ppm

Downwind Location Description: G164 Reading: 1.5 ppm

Notes: Wind speed averages were observed to remain below the alternative requested 10 miles per hour and no instantaneous speeds exceeded 20 miles per hour. No rainfall had occurred within the previous 24 hours of the monitoring event. Therefore, site meteorological conditions were within the requested alternatives of the LMR requirements on the above mentioned date.

SURFACE EMISSIONS MONITORING
CALIBRATION AND PERTINENT DATA

Date: 10-14-21 Site Name: Potrero

Inspector(s): Michael M Instrument: TVA 2020

WEATHER OBSERVATIONS

Wind Speed: 3 MPH Wind Direction: E Barometric Pressure: 30 "Hg

Air Temperature: 46 °F General Weather Conditions: Clear

CALIBRATION INFORMATION

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.

Instrument Serial Number: 5420 Cal Gas Concentration: 500ppm

Trial	Zero Air Reading	Cal Gas Reading	|Cal Gas Conc.-Cal Gas Reading|	Response Time (seconds)
1	0	501	1	3
2	0	502	2	4
3	0	500	0	4

Average Difference: 1

*Perform recalibration if average difference is greater than 10

Calibration Precision= Average Difference/Cal Gas Conc. X 100%

= 100%- 1 /500 x 100%

= 100.8%

Span Sensitivity:

Trial 1:
Counts Observed for the Span= 107897
Counters Observed for the Zero= 4862

Trial 2:
Counts Observed for the Span= 108173
Counters Observed for the Zero= 4851

Trial 3:
Counts Observed for the Span= 109234
Counters Observed for the Zero= 4844

Post Monitoring Calibration Check

Zero Air Reading: 0 ppm Cal Gas Reading: 509 ppm

BACKGROUND CONCENTRATIONS CHECKS

Upwind Location Description: _____ Reading: _____ ppm

Downwind Location Description: _____ Reading: _____ ppm

Notes: Wind speed averages were observed to remain below the alternative requested 10 miles per hour and no instantaneous speeds exceeded 20 miles per hour. No rainfall had occurred within the previous 24 hours of the monitoring event. Therefore, site meteorological conditions were within the requested alternatives of the LMR requirements on the above mentioned date.

SURFACE EMISSIONS MONITORING
CALIBRATION AND PERTINENT DATA

Date: 10-13-21 Site Name: Patrero

Inspector(s): Liam M Instrument: TVA 2020

WEATHER OBSERVATIONS

Wind Speed: 7 MPH Wind Direction: E Barometric Pressure: 30 "Hg

Air Temperature: 46 °F General Weather Conditions: Clear

CALIBRATION INFORMATION

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.

Instrument Serial Number: 1023 Cal Gas Concentration: 500ppm

Trial	Zero Air Reading	Cal Gas Reading	|Cal Gas Conc.-Cal Gas Reading|	Response Time (seconds)
1	.4	501	1	3
2	.4	500	0	3
3	.4	501	1	3

Average Difference: .7

*Perform recalibration if average difference is greater than 10

Calibration Precision= Average Difference/Cal Gas Conc. X 100%

= 100%- .7 /500 x 100%

= 99.9 %

Span Sensitivity:

Trial 1:
Counts Observed for the Span= 133741
Counters Observed for the Zero= 2694

Trial 2:
Counts Observed for the Span= 134894
Counters Observed for the Zero= 2687

Trial 3:
Counts Observed for the Span= 135723
Counters Observed for the Zero= 2675

Post Monitoring Calibration Check

Zero Air Reading: 0 ppm Cal Gas Reading: 500 ppm

BACKGROUND CONCENTRATIONS CHECKS

Upwind Location Description: _____ Reading: _____ ppm

Downwind Location Description: _____ Reading: _____ ppm

Notes: Wind speed averages were observed to remain below the alternative requested 10 miles per hour and no instantaneous speeds exceeded 20 miles per hour. No rainfall had occurred within the previous 24 hours of the monitoring event. Therefore, site meteorological conditions were within the requested alternatives of the LMR requirements on the above mentioned date.

SURFACE EMISSIONS MONITORING
CALIBRATION AND PERTINENT DATA

Date: 10-19-21 Site Name: Portrero

Inspector(s): DAM G Instrument: TVA 2020

WEATHER OBSERVATIONS

Wind Speed: 3 MPH Wind Direction: E Barometric Pressure: 29 "Hg

Air Temperature: 46 °F General Weather Conditions: Clear

CALIBRATION INFORMATION

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.

Instrument Serial Number: 5420 Cal Gas Concentration: 500ppm

Trial	Zero Air Reading	Cal Gas Reading	|Cal Gas Conc.-Cal Gas Reading|	Response Time (seconds)
1	.1	501	1	3
2	.0	503	3	3
3	.1	500	0	2

Average Difference: 1.3

*Perform recalibration if average difference is greater than 10

Calibration Precision= Average Difference/Cal Gas Conc. X 100%

= 100%- 1.3 /500 x 100%

= 99.7 %

Span Sensitivity:

Trial 1:

Counts Observed for the Span=

Counters Observed for the Zero=

Trial 2:

Counts Observed for the Span=

Counters Observed for the Zero=

Trial 3:

Counts Observed for the Span=

Counters Observed for the Zero=

Post Monitoring Calibration Check

Zero Air Reading: 0 ppm Cal Gas Reading: 500 ppm

BACKGROUND CONCENTRATIONS CHECKS

Upwind Location Description: Reading: ppm

Downwind Location Description: Reading: ppm

Notes: Wind speed averages were observed to remain below the alternative requested 10 miles per hour and no instantaneous speeds exceeded 20 miles per hour. No rainfall had occurred within the previous 24 hours of the monitoring event. Therefore, site meteorological conditions were within the requested alternatives of the LMR requirements on the above mentioned date.

SURFACE EMISSIONS MONITORING
CALIBRATION AND PERTINENT DATA

Date: 10-13-21 Site Name: Potrero

Inspector(s): Bryan O Instrument: TVA 2020

WEATHER OBSERVATIONS

Wind Speed: 3 MPH Wind Direction: E Barometric Pressure: 30 "Hg

Air Temperature: 46 °F General Weather Conditions: Clear

CALIBRATION INFORMATION

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.

Instrument Serial Number: 1215 Cal Gas Concentration: 500ppm

Trial	Zero Air Reading	Cal Gas Reading	|Cal Gas Conc.-Cal Gas Reading|	Response Time (seconds)
1	0	500	0	3
2	0	501	1	3
3	1	502	2	2

Average Difference: 1

*Perform recalibration if average difference is greater than 10

Calibration Precision= Average Difference/Cal Gas Conc. X 100%

= 100%- 1 /500 x 100%

=99.8 %

Span Sensitivity:

Trial 1:
Counts Observed for the Span=
Counters Observed for the Zero=

Trial 2:
Counts Observed for the Span=
Counters Observed for the Zero=

Trial 3:
Counts Observed for the Span=
Counters Observed for the Zero=

Post Monitoring Calibration Check

Zero Air Reading: 0 ppm Cal Gas Reading: 500 ppm

BACKGROUND CONCENTRATIONS CHECKS

Upwind Location Description: Reading: ppm

Downwind Location Description: Reading: ppm

Notes: Wind speed averages were observed to remain below the alternative requested 10 miles per hour and no instantaneous speeds exceeded 20 miles per hour. No rainfall had occurred within the previous 24 hours of the monitoring event. Therefore, site meteorological conditions were within the requested alternatives of the LMR requirements on the above mentioned date.

Pre

SURFACE EMISSIONS MONITORING
CALIBRATION AND PERTINENT DATA

Date: 10-18-21 Site Name: Potrero

Inspector(s): Dun G Instrument: TVA 2020

WEATHER OBSERVATIONS

Wind Speed: 61 MPH Wind Direction: SW Barometric Pressure: 30 "Hg

Air Temperature: 8 °F General Weather Conditions: clear

CALIBRATION INFORMATION

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.

Instrument Serial Number: 5420 Cal Gas Concentration: 500ppm

Trial	Zero Air Reading	Cal Gas Reading	|Cal Gas Conc.-Cal Gas Reading|	Response Time (seconds)
1	.6	502	2	4
2	.6	500	0	3
3	.1	502	2	3

Average Difference: 1.3

*Perform recalibration if average difference is greater than 10

Calibration Precision= Average Difference/Cal Gas Conc. X 100%

= 100%- 1.3 /500 x 100%

= 99.7 %

Span Sensitivity:

Trial 1:
Counts Observed for the Span= 136294
Counters Observed for the Zero= 3602

Trial 2:
Counts Observed for the Span= 136587
Counters Observed for the Zero= 3648

Trial 3:
Counts Observed for the Span= 136802
Counters Observed for the Zero= 3691

Post Monitoring Calibration Check

Zero Air Reading: 0 ppm Cal Gas Reading: 500 ppm

BACKGROUND CONCENTRATIONS CHECKS

Upwind Location Description: Entrance Reading: 1.7 ppm

Downwind Location Description: G163 Reading: 1.6 ppm

Notes: Wind speed averages were observed to remain below the alternative requested 10 miles per hour and no instantaneous speeds exceeded 20 miles per hour. No rainfall had occurred within the previous 24 hours of the monitoring event. Therefore, site meteorological conditions were within the requested alternatives of the LMR requirements on the above mentioned date.

Pre

SURFACE EMISSIONS MONITORING
CALIBRATION AND PERTINENT DATA

Date: 10-18-21 Site Name: Potrero

Inspector(s): Bryan O Instrument: TVA 2020

WEATHER OBSERVATIONS

Wind Speed: 6 MPH Wind Direction: SW Barometric Pressure: 30 "Hg

Air Temperature: 8 °F General Weather Conditions: Clear

CALIBRATION INFORMATION

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.

Instrument Serial Number: 1215 Cal Gas Concentration: 500ppm

Trial	Zero Air Reading	Cal Gas Reading	|Cal Gas Conc.-Cal Gas Reading|	Response Time (seconds)
1	.1	502	2	3
2	.0	500	0	4
3	.2	501	1	4

Average Difference: 1

*Perform recalibration if average difference is greater than 10

Calibration Precision= Average Difference/Cal Gas Conc. X 100%

= 100%- 1 /500 x 100%

= 99.8 %

Span Sensitivity:

Trial 1:
Counts Observed for the Span= 127386
Counters Observed for the Zero= 2913

Trial 2:
Counts Observed for the Span= 127529
Counters Observed for the Zero= 2940

Trial 3:
Counts Observed for the Span= 127861
Counters Observed for the Zero= 2987

Post Monitoring Calibration Check

Zero Air Reading: 0 ppm Cal Gas Reading: 500 ppm

BACKGROUND CONCENTRATIONS CHECKS

Upwind Location Description: Entrance Reading: 1.2 ppm

Downwind Location Description: G163 Reading: 1.6 ppm

Notes: Wind speed averages were observed to remain below the alternative requested 10 miles per hour and no instantaneous speeds exceeded 20 miles per hour. No rainfall had occurred within the previous 24 hours of the monitoring event. Therefore, site meteorological conditions were within the requested alternatives of the LMR requirements on the above mentioned date.

Post

SURFACE EMISSIONS MONITORING
CALIBRATION AND PERTINENT DATA

Date: 10-18-21 Site Name: Potrero

Inspector(s): Don G Instrument: TVA 2020

WEATHER OBSERVATIONS

Wind Speed: 7 MPH Wind Direction: S Barometric Pressure: 29.94 "Hg

Air Temperature: 72 °F General Weather Conditions: Sunny

CALIBRATION INFORMATION

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.

Instrument Serial Number: 5420 Cal Gas Concentration: 500ppm

Trial	Zero Air Reading	Cal Gas Reading	|Cal Gas Conc.-Cal Gas Reading|	Response Time (seconds)
1	.1	500	0	4
2	.0	501	1	3
3	.2	501	1	3

Average Difference: .6

*Perform recalibration if average difference is greater than 10

Calibration Precision= Average Difference/Cal Gas Conc. X 100%

= 100%- .6 /500 x 100%

= 99.8 %

Span Sensitivity:

Trial 1:
Counts Observed for the Span= 135206
Counters Observed for the Zero= 3510

Trial 2:
Counts Observed for the Span= 135489
Counters Observed for the Zero= 3548

Trial 3:
Counts Observed for the Span= 135722
Counters Observed for the Zero= 3592

Post Monitoring Calibration Check

Zero Air Reading: 0 ppm Cal Gas Reading: 500 ppm

BACKGROUND CONCENTRATIONS CHECKS

Upwind Location Description: Entrance Reading: 1.2 ppm

Downwind Location Description: G163 Reading: 1.6 ppm

Notes: Wind speed averages were observed to remain below the alternative requested 10 miles per hour and no instantaneous speeds exceeded 20 miles per hour. No rainfall had occurred within the previous 24 hours of the monitoring event. Therefore, site meteorological conditions were within the requested alternatives of the LMR requirements on the above mentioned date.

Post

SURFACE EMISSIONS MONITORING
CALIBRATION AND PERTINENT DATA

Date: 10-18-21 Site Name: Post

Inspector(s): Bryan D Instrument: TVA 2020

WEATHER OBSERVATIONS

Wind Speed: 7 MPH Wind Direction: S Barometric Pressure: 29.94 "Hg

Air Temperature: 72 °F General Weather Conditions: Sunny

CALIBRATION INFORMATION

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.

Instrument Serial Number: 1215 Cal Gas Concentration: 500ppm

Trial	Zero Air Reading	Cal Gas Reading	|Cal Gas Conc.-Cal Gas Reading|	Response Time (seconds)
1	1	500	0	4
2	0	502	2	3
3	2	501	1	3

Average Difference: 1

*Perform recalibration if average difference is greater than 10

Calibration Precision= Average Difference/Cal Gas Conc. X 100%

= 100%- 1 /500 x 100%

= 99.8 %

Span Sensitivity:

Trial 1:
Counts Observed for the Span= 127148
Counters Observed for the Zero= 2848

Trial 2:
Counts Observed for the Span= 127386
Counters Observed for the Zero= 2886

Trial 3:
Counts Observed for the Span= 127591
Counters Observed for the Zero= 2920

Post Monitoring Calibration Check

Zero Air Reading: 0 ppm Cal Gas Reading: 500 ppm

BACKGROUND CONCENTRATIONS CHECKS

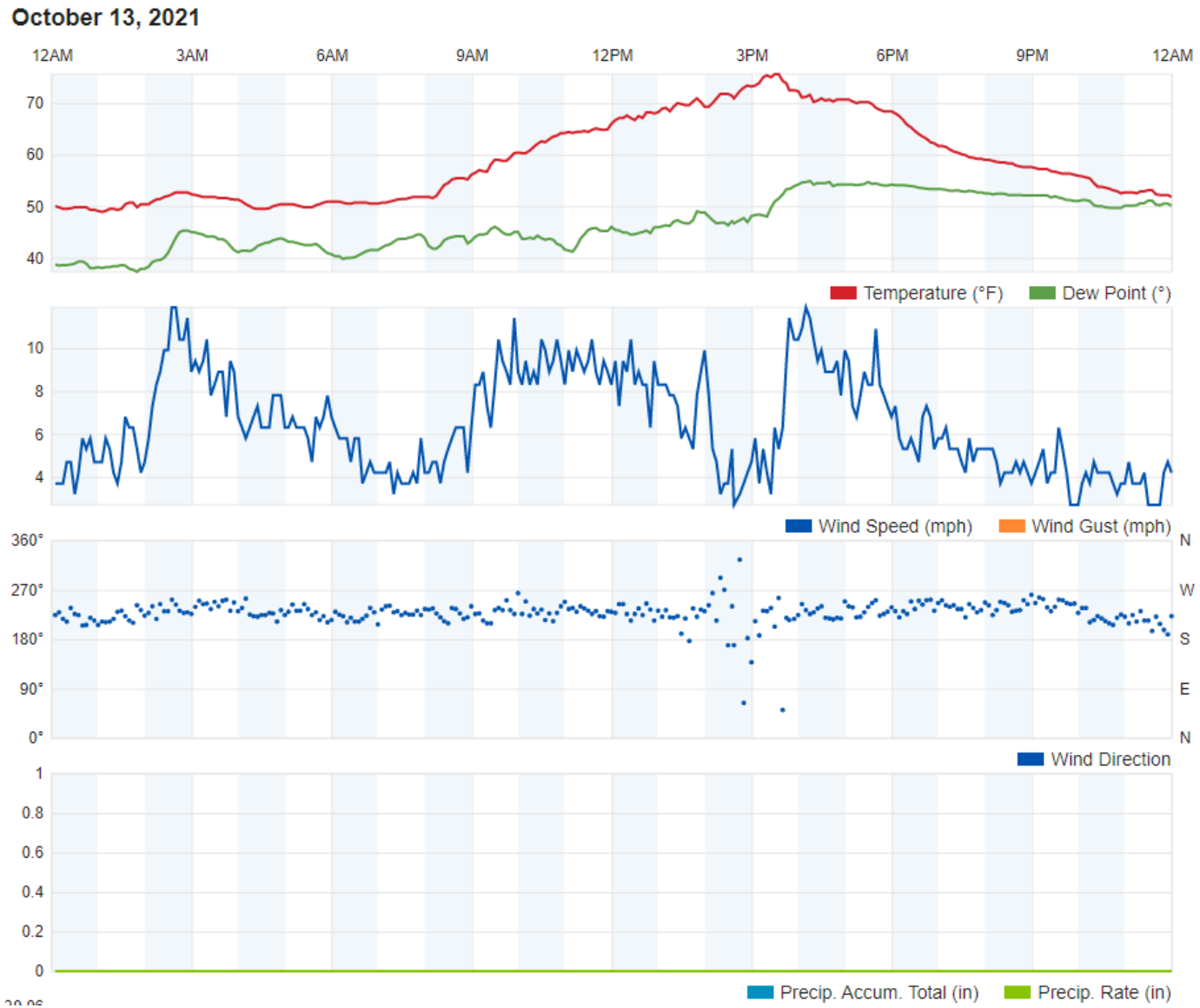
Upwind Location Description: Entrance Reading: 1.2 ppm

Downwind Location Description: G163 Reading: 1.3 ppm

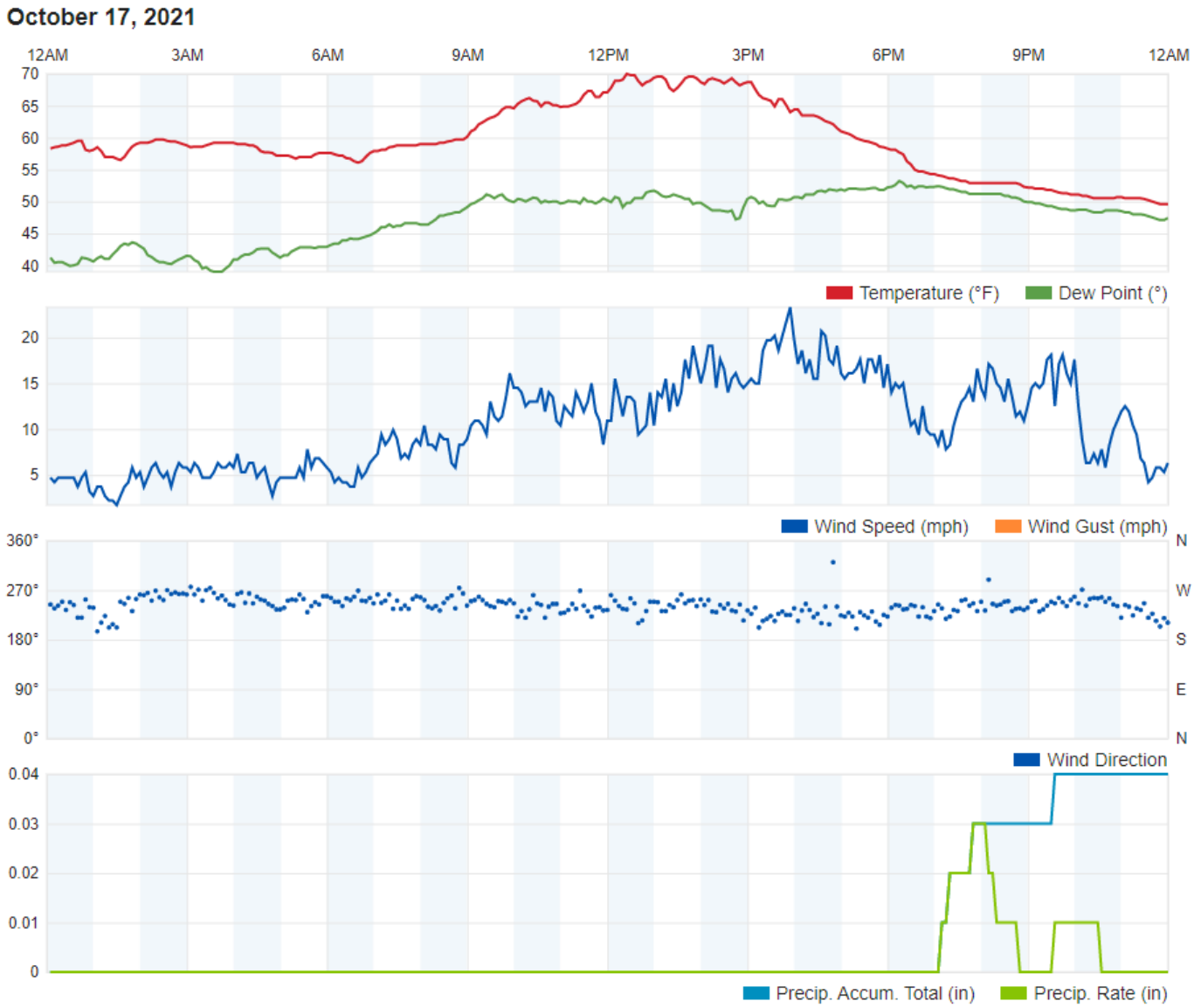
Notes: Wind speed averages were observed to remain below the alternative requested 10 miles per hour and no instantaneous speeds exceeded 20 miles per hour. No rainfall had occurred within the previous 24 hours of the monitoring event. Therefore, site meteorological conditions were within the requested alternatives of the LMR requirements on the above mentioned date.

Attachment 6

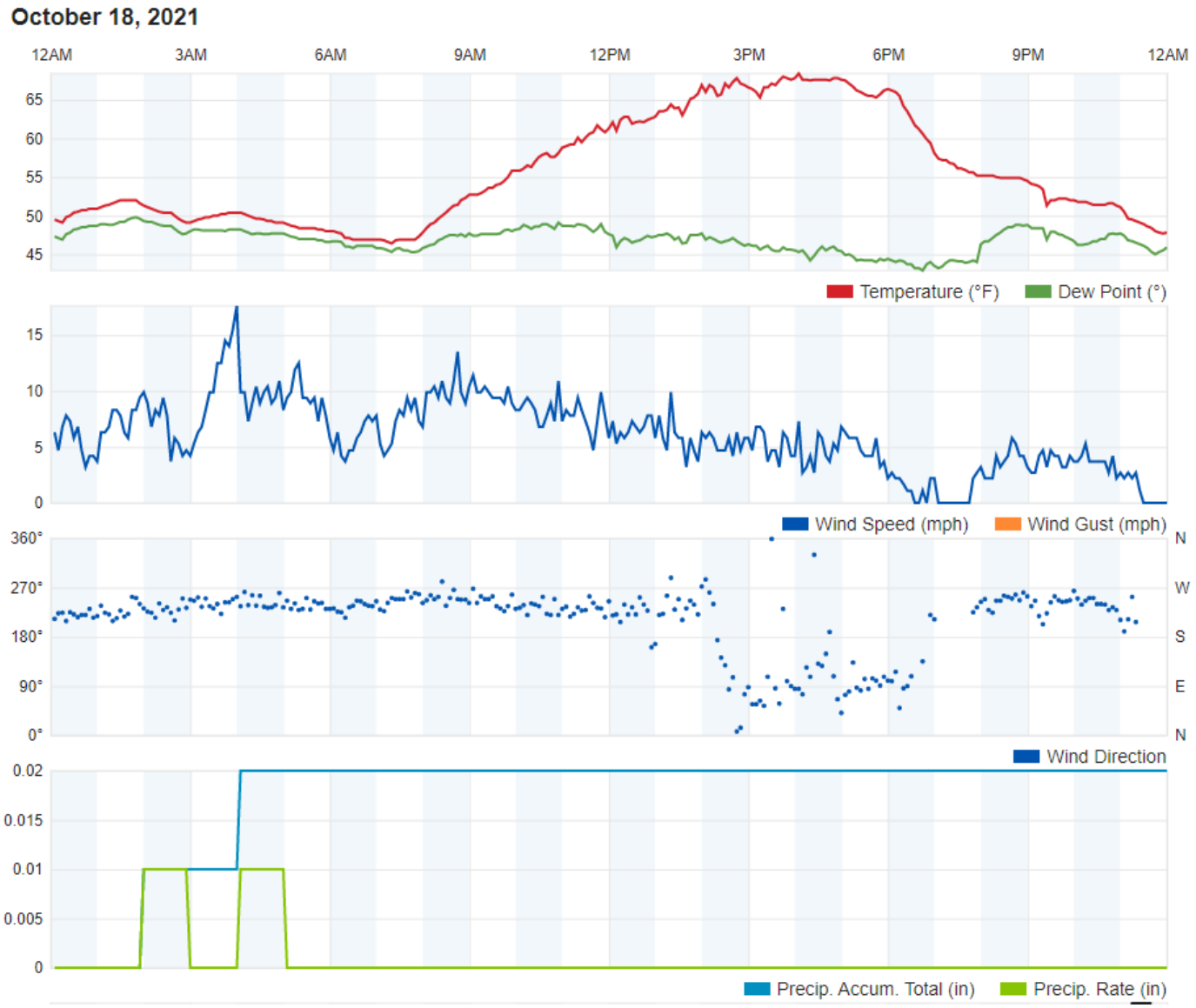
Weather Data



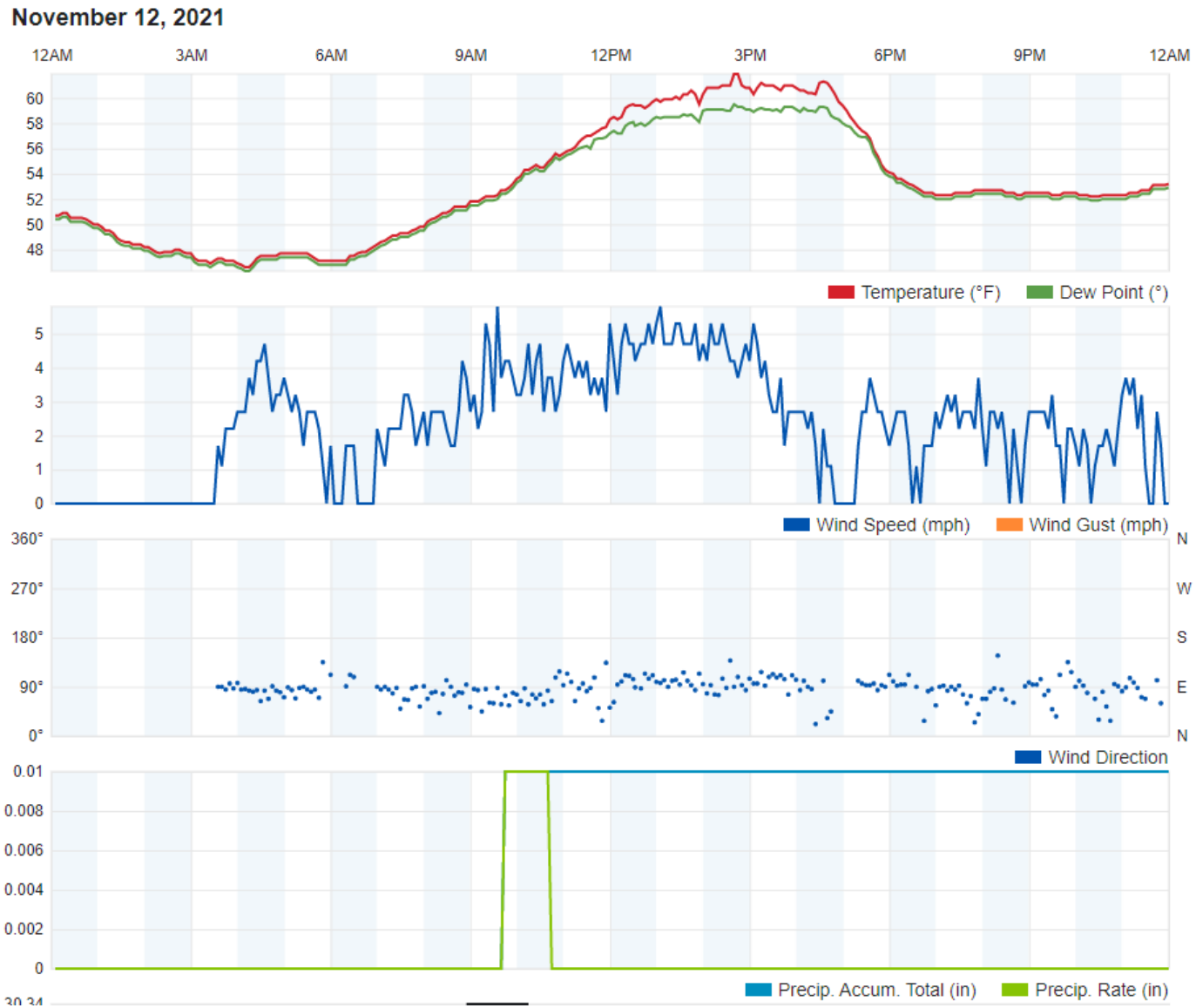
October 13, 2021
Emissions Monitoring Weather Data
Potrero Hills Landfill, Suisun City, California



October 17, 2021
Emissions Monitoring Weather Data
Potrero Hills Landfill, Suisun City, California



October 18, 2021
Emissions Monitoring Weather Data
Potrero Hills Landfill, Suisun City, California



November 12, 2021
Emissions Monitoring Weather Data
Potrero Hills Landfill, Suisun City, California

January 6, 2022
File No. 07216067.00

Mr. Dave Jappert
Waste Connections, Inc.
Potrero Hills Landfill
Post Office Box 68
Fairfield, California 94533

Subject: Fourth Quarter 2021, Perimeter Landfill Gas (LFG) Monitoring Probe, On-Site Structure Testing and Sensor Calibration at the Potrero Hills Sanitary Landfill, Suisun, California

Dear Mr. Jappert:

This letter provides results of gas monitoring probes (PLFG), on-site structure testing and sensor calibration for the fourth quarter of 2021 (October through December) performed by SCS during this reporting period. All testing, monitoring protocols and reporting were performed in general conformance with Title 27 California Code of Regulations (CCR) Article 6. Briefly, these regulations require that solid waste disposal site owners/operators implement LFG control or monitoring provisions to ensure that methane gas concentrations in soils at the property boundary do not exceed the lower explosive limit (LEL, or 5 percent by volume) and that interiors of on-site structures do not exceed 1.25 percent by volume in air. Below is a summary of the quarterly monitoring activities.

SUMMARY AND CONCLUSIONS

During the fourth quarter 2021, no landfill generated methane gas (the combustible component of LFG) in excess of the LEL (5% by volume) was detected at any perimeter subsurface compliance probe location tested (Table 1) by SCS with the exception of Probe Nos. PLFG-07S, PLFG-07M and PLFG-07D (which indicated fluctuating concentrations between 0.0 and 50.6 percent by volume). Additionally, no methane gas in excess of 1.25 percent by volume in air was detected in any of the on-site structures (Table 2). These results indicate that at the time of the testing the subject site compliance perimeter subsurface probes and structures were within the regulatory requirements of Title 27 CCR Article 6 with the exception of PLFG-07. Please note that as required these exceedances and subsequent remediation plan were submitted to the Solano County Local Enforcement Agency which is currently being implemented.

Evaluation Probe No. PLFG-2R was installed during November 2012, in order to perform an ongoing engineering evaluation of the observed off site gas. This probe has three monitoring intervals – shallow, medium, and deep. The evaluation continuing to be performed by SCS Engineers of this location has indicated that this probe is impacted by Thermogenic gas and is, therefore not a compliance location or violation. Also, the Solano County LEA has accepted an interim sampling plan for this location to maintain compliance with the requirements of Title 27 of the CCR which is performed separately.

In addition, on December 28, 2021, SCS performed calibration (using 5000 parts per million, ppmv, methane in air) of all the functioning building gas detection system sensors at the facility (see attached data sheet). Two sensors need to be replaced due to age deterioration which is in the process of being performed and will be reported in our next quarterly monitoring report. No other system malfunctions were observed during our quarterly calibration activities.

GAS TESTING INSTRUMENTATION AND METHODS

Testing for methane gas, oxygen gas, carbon dioxide gas and pressure was performed using a Landtec GEM-5000 Gas Analyzer calibrated to methane gas.

This instrument measures combustible gas concentrations in air directly on either of two scales, the first as percent by volume of the lower explosive limit (LEL) of methane gas in air (0 to 5 percent); the other as percent by volume (0 to 100 percent) in the gas sampled. The detection limit for this instrument is approximately 0.10 percent by volume.

Gas monitoring well testing procedures are as follows:

- Connect sample tubing, open test valve; observe pressure and record data.
- For probes 20 feet deep or less, turn on sample pump, observe and record methane, oxygen, and carbon dioxide gas concentrations, when readings have stabilized for 30 seconds.
- For probes more than 20 feet deep, turn on sample pump, extract a minimum of one probe volume, observed and record methane, oxygen, and carbon dioxide gas concentrations, when readings have stabilized for 30 seconds.
- Close test valve, disconnect sample instruments and secure sample location.

The structures were monitored by testing random selected locations where methane gas would most likely accumulate (e.g., electric outlets and junction boxes, conduits, drains, cabinets and closets). Other required monitoring documentation (e.g., sampling personnel, date, time and meteorological conditions) is shown in the attached weather data table.

GAS MONITORING WELL TESTING

In accordance with the approved testing schedule, all perimeter PLFG probes are to be tested at a minimum, on a quarterly basis. During the fourth quarter 2021, no methane gas (the combustible component of LFG) in excess of the LEL (5% by volume) was detected at any compliance perimeter subsurface probe (Nos. PLFG-1 through PLFG-23) location tested with the exception of Probe Nos. PLFG-07S, PHLF-07M and PLFG-07D (which indicated fluctuating concentrations between 0.0 and 50.6 percent by volume). Note that by the end of the monitoring period, Probe Nos. PLFG-07S and PLFG-07D had returned to below the LEL. See Table 1.

Please note that as required this exceedance, which is monitored weekly and subsequent remediation plan were submitted to the Solano County Local Enforcement Agency.

Additionally, the monitoring and reporting for evaluation Probe No. PLFG-02R and the Fissure area (results of this testing performed on December 7 and 21, 2021, respectively, shown in Table 1 (under evaluation points) must be performed in accordance with the requirements of the interim Sampling and Monitoring Plan as approved by Solano County.

ON-SITE INTERIOR STRUCTURE TESTING

In accordance with the approved testing schedule, the interiors of on-site structures are to be tested at a minimum, on a quarterly basis. On December 28, 2021, on-site structures (i.e., the landfill and LFG offices, maintenance shop and scale houses) were tested for the presence of methane gas. In each structure, random selected locations (i.e., electrical outlets and junction boxes, conduits, drains, floor cracks, etc.) were tested. Test results (Table 2) indicated no methane gas in excess of 1.25 percent by volume was detected at any accessible location tested. The first quarter 2022 (January through March) monitoring of the interiors of on-site structures is scheduled to be performed by the end of the month of March 2022.

BUILDING GAS DETECTION SYSTEMS

On December 28, 2021, SCS performed calibration and testing (using 5000 ppmv methane in air) of the ten (10) Sierra Monitor 2001 combustible gas sensors located within the facility structures as required by Title 27 of the CCR. No system malfunctions were observed at any location tested during our quarterly calibration activities with the exception of two age-deteriorated sensors in the Breakroom and Main Office which are in the process of being replaced. (Note that these are only 1 of the multiple sensors in each of these structures and monitoring using hand held instruments indicated that no combustible gas was present.) (See attached sensor calibration table.) SCS is scheduled to perform the first quarter sensor calibration by the end of the month of March 2022.

STANDARD PROVISIONS

This report addresses conditions at the subject site during the test dates only. Accordingly, we assume no responsibility for any changes that may occur subsequent to the monitoring which could affect the quantity of LFG at the subject site or adjacent properties.

Should you have any questions, do not hesitate to contact either of the undersigned.

Very truly yours,

Sincerely,

Rebecca L. Lucero
Project Coordinator
SCS Field Services

Arthur E. Jones, Jr.
Desert Southwest Region Manager/VP
SCS Field Services

cc: Jamison Pfister – Waste Connections

Fourth Quarter 2021
Table 1. LFG Monitoring Probe and Evaluation Point Testing Results
Potrero Hills Landfill, Suisun City, California

Point Name	Record Date	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Rel Press ("H2O)	Comments
PLFG-01D	12/7/2021 09:34	0.10	1.40	18.20	80.30	-0.07	
PLFG-01S	12/7/2021 09:33	0.20	8.30	6.80	84.70	-0.02	
PLFG-02D	12/7/2021 13:51	0.00	0.60	12.40	87.00	-0.19	
PLFG-02S	12/7/2021 13:50	0.00	0.60	11.60	87.80	-0.03	
PLFG-03R1M	12/7/2021 09:11	0.00	0.30	18.20	81.50	-0.04	
PLFG-03R1S	12/7/2021 09:12	0.00	0.50	6.60	92.90	-0.14	
PLFG-03R2M	12/7/2021 09:15	0.00	0.60	11.70	87.70	-0.05	
PLFG-03R2S	12/7/2021 09:17	0.00	0.60	12.10	87.30	-0.08	
PLFG-04D	12/7/2021 09:02	0.00	0.30	19.60	80.10	-3.60	
PLFG-04M	12/7/2021 09:01	0.00	0.70	19.20	80.10	-0.02	
PLFG-04S	12/7/2021 09:00	0.10	6.70	8.50	84.70	-0.08	NO CHANGE
PLFG-05D	12/7/2021 13:22	0.00	0.20	19.40	80.40	-1.07	
PLFG-05M	12/7/2021 13:21	0.00	0.30	19.60	80.10	-0.05	
PLFG-05S	12/7/2021 13:19	0.00	3.20	12.40	84.40	-0.03	
PLFG-06D	12/7/2021 13:26	0.00	0.30	19.50	80.20	-0.24	
PLFG-06M	12/7/2021 13:24	0.00	3.30	12.40	84.30	-2.24	
PLFG-06S	12/7/2021 13:23	0.00	1.30	19.00	79.70	-0.02	
PLFG-07D	10/4/2021 08:20	0.00	0.50	18.70	80.80	0.00	
PLFG-07D	10/13/2021 09:49	1.50	3.70	17.60	77.20	-4.66	
PLFG-07D	10/22/2021 11:55	2.20	3.80	17.50	76.50	0.03	
PLFG-07D	10/27/2021 12:32	1.50	2.60	18.20	77.70	0.01	
PLFG-07D	11/4/2021 11:06	0.90	2.40	18.70	78.00	0.00	
PLFG-07D	11/10/2021 09:20	0.60	2.60	18.40	78.40	-0.25	
PLFG-07D	11/15/2021 09:28	0.70	2.80	18.30	78.20	-0.68	
PLFG-07D	11/22/2021 11:23	0.40	2.00	18.00	79.60	-5.96	
PLFG-07D	11/30/2021 11:29	0.40	2.00	18.80	78.80	-1.77	
PLFG-07D	12/7/2021 13:08	0.40	2.80	17.60	79.20	-0.09	
PLFG-07D	12/16/2021 08:42	0.30	2.90	18.70	78.10	-0.81	

Fourth Quarter 2021
Table 1. LFG Monitoring Probe and Evaluation Point Testing Results
Potrero Hills Landfill, Suisun City, California

Point Name	Record Date	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Rel Press ("H2O)	Comments
PLFG-07D	12/21/2021 08:54	0.20	2.00	19.30	78.50	-2.85	
PLFG-07D	12/28/2021 10:25	0.10	2.60	19.50	77.80	-17.75	
PLFG-07M	10/4/2021 08:23	28.80	16.50	6.80	47.90	-0.01	
PLFG-07M	10/13/2021 09:46	23.50	15.90	7.40	53.20	-0.07	
PLFG-07M	10/22/2021 11:53	4.90	6.90	14.80	73.40	0.02	
PLFG-07M	10/27/2021 12:29	0.90	1.20	19.40	78.50	-0.01	
PLFG-07M	11/4/2021 11:04	3.00	3.90	17.10	76.00	0.00	
PLFG-07M	11/10/2021 09:18	2.70	3.30	17.60	76.40	-0.03	
PLFG-07M	11/15/2021 09:25	25.00	19.40	3.20	52.40	-0.25	
PLFG-07M	11/22/2021 11:20	29.30	21.30	2.40	47.00	0.13	
PLFG-07M	11/30/2021 11:28	36.20	23.10	0.10	40.60	0.01	
PLFG-07M	12/7/2021 13:06	38.10	22.50	1.70	37.70	-0.12	
PLFG-07M	12/16/2021 08:40	47.30	25.10	0.60	27.00	0.02	
PLFG-07M	12/21/2021 08:52	50.60	24.70	0.00	24.70	0.00	
PLFG-07M	12/28/2021 10:23	51.20	25.40	0.10	23.30	-0.12	
PLFG-07S	10/4/2021 08:26	19.70	32.00	2.20	46.10	0.00	
PLFG-07S	10/13/2021 09:43	16.40	31.40	2.10	50.10	0.01	
PLFG-07S	10/22/2021 11:58	17.00	31.10	2.10	49.80	0.00	
PLFG-07S	10/27/2021 12:25	0.30	0.60	19.90	79.20	0.01	
PLFG-07S	11/4/2021 11:08	0.30	0.90	20.30	78.50	-0.01	
PLFG-07S	11/10/2021 09:15	0.50	0.70	19.80	79.00	0.42	
PLFG-07S	11/15/2021 09:22	0.70	0.90	19.60	78.80	-0.63	
PLFG-07S	11/22/2021 11:16	0.20	0.30	19.30	80.20	0.04	
PLFG-07S	11/30/2021 11:25	0.30	0.60	20.20	78.90	-0.62	
PLFG-07S	12/7/2021 13:03	0.40	0.90	19.10	79.60	-0.05	
PLFG-07S	12/16/2021 08:35	0.40	0.70	20.00	78.90	0.47	
PLFG-07S	12/21/2021 08:49	0.00	0.50	20.30	79.20	-0.63	
PLFG-07S	12/28/2021 10:21	0.00	0.30	21.20	78.50	-0.02	

Fourth Quarter 2021
Table 1. LFG Monitoring Probe and Evaluation Point Testing Results
Potrero Hills Landfill, Suisun City, California

Point Name	Record Date	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Rel Press ("H2O)	Comments
PLFG-08D	12/7/2021 12:54	0.00	0.30	19.30	80.40	-2.37	
PLFG-08M	12/7/2021 12:53	0.00	0.30	19.40	80.30	-1.99	
PLFG-08S	12/7/2021 12:51	0.00	0.40	16.40	83.20	-0.04	
PLFG-09D	12/7/2021 12:17	0.00	0.20	19.50	80.30	-0.20	
PLFG-09M	12/7/2021 12:16	0.00	0.20	19.50	80.30	-0.02	
PLFG-09S	12/7/2021 12:15	0.00	0.50	19.10	80.40	-0.04	
PLFG-12D	12/7/2021 10:36	0.00	0.20	19.70	80.10	0.39	
PLFG-12S	12/7/2021 10:37	0.00	0.30	18.50	81.20	0.13	
PLFG-13D	12/7/2021 10:16	0.00	1.30	12.70	86.00	-0.15	
PLFG-13M	12/7/2021 10:18	0.00	0.80	17.60	81.60	-0.21	
PLFG-13S	12/7/2021 10:17	0.00	1.20	16.80	82.00	-0.05	
PLFG-14D	12/7/2021 10:00	0.00	0.20	19.00	80.80	-0.06	
PLFG-14M	12/7/2021 10:01	0.00	0.20	19.60	80.20	-0.26	
PLFG-14S	12/7/2021 09:59	0.00	0.30	19.10	80.60	-0.06	
PLFG-15	12/7/2021 09:50	0.10	6.00	1.90	92.00	-0.03	
PHLFG-16D	12/7/2021 11:30	0.00	0.10	19.80	80.10	-0.02	
PHLFG-16M	12/7/2021 11:31	0.00	2.40	14.20	83.40	-0.09	
PHLFG-17D	12/7/2021 11:34	0.00	0.50	19.20	80.30	-0.07	
PHLFG-17S	12/7/2021 11:35	0.00	0.10	19.50	80.40	-0.05	
PHLFG-18S	12/7/2021 11:40	0.00	0.40	13.90	85.70	-0.07	
PHLFG-19M	12/7/2021 12:01	0.00	0.20	19.00	80.80	-0.06	
PHLFG-19S	12/7/2021 12:02	0.00	0.20	18.60	81.20	-0.04	
PHLFG-20M	12/7/2021 11:47	0.00	0.20	19.40	80.40	0.15	
PHLFG-20S	12/7/2021 11:48	0.00	0.10	19.60	80.30	-5.72	
PHLFG-21D	12/7/2021 11:14	0.00	0.40	19.50	80.10	-0.04	
PHLFG-21M	12/7/2021 11:16	0.00	0.30	19.60	80.10	-0.04	
PHLFG-21S	12/7/2021 11:17	0.00	0.30	19.40	80.30	-0.08	
PHLFG-22D	12/7/2021 11:05	0.00	0.40	19.30	80.30	-0.03	

Fourth Quarter 2021
Table 1. LFG Monitoring Probe and Evaluation Point Testing Results
Potrero Hills Landfill, Suisun City, California

Point Name	Record Date	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Rel Press ("H2O)	Comments
PHLFG-22M	12/7/2021 11:06	0.00	0.40	19.30	80.30	-0.10	
PHLFG-22S	12/7/2021 11:08	0.00	0.40	18.90	80.70	-0.06	
PHLFG-23D	12/7/2021 12:25	0.00	0.60	13.40	86.00	-0.01	
PHLFG-23M	12/7/2021 12:27	0.00	0.30	19.40	80.30	-0.08	
PHLFG-23S	12/7/2021 12:28	0.00	0.20	19.20	80.60	-0.07	

Evaluation Points

PLFG-02RD	12/7/2021 09:24	99.10	0.90	0.00	0.00	0.03	
PLFG-02RM	12/7/2021 09:22	0.00	2.10	15.40	82.50	-0.23	
PLFG-02RS	12/7/2021 09:21	0.00	1.80	15.60	82.60	-0.03	
FISSURE1	12/21/2021 09:16	99.10	0.60	0.00	0.30	0.00	

Fourth Quarter 2021
Table 2. Structure Monitoring Results
Potrero Hills Landfill, Suisun City, California

Point Name	Record Date	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Comments
Breakroom (Trailer)	12/28/2021 09:48	0.00	0.10	21.00	78.90	
LFG Office	12/28/2021 09:35	0.00	0.20	20.90	78.90	
Greenwaste Tool Shed	12/28/2021 10:29	0.00	0.60	21.20	78.20	
Scalehouse 1	12/28/2021 09:44	0.00	0.10	21.00	78.90	
Scalehouse 2	12/28/2021 09:45	0.00	0.10	21.00	78.90	
Maintenance Building	12/28/2021 09:36	0.00	0.20	20.90	78.90	
Maintenance Office	12/28/2021 09:42	0.00	0.10	21.00	78.90	
Storage Conex	12/28/2021 09:40	0.00	0.20	20.90	78.90	
Training Trailer	12/28/2021 09:38	0.00	0.20	20.90	78.90	

Fourth Quarter 2021
GEM-5000 Calibration Data
Potrero Hills Landfill, Suisun City, California

Point Name	Record Date	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Comments
PHL011O2	10/4/2021 07:45	0.00	0.10	11.00	88.90	
PHL011O2	10/4/2021 08:44	0.00	0.20	11.00	88.80	
PHL011O2	10/13/2021 09:34	0.00	0.30	11.00	88.70	
PHL011O2	10/22/2021 08:01	0.00	0.40	11.00	88.60	
PHL011O2	10/27/2021 07:44	0.00	0.40	11.00	88.60	
PHL011O2	10/27/2021 07:44	0.00	0.40	11.00	88.60	
PHL011O2	10/27/2021 07:44	0.00	0.40	11.00	88.60	
PHL011O2	11/4/2021 11:00	0.00	0.30	11.00	88.70	
PHL011O2	11/10/2021 09:06	0.00	0.20	11.00	88.80	
PHL011O2	11/15/2021 08:42	0.00	0.10	11.00	88.90	
PHL011O2	11/15/2021 08:54	0.00	0.10	11.00	88.90	
PHL011O2	11/22/2021 09:08	0.00	0.30	11.00	88.70	
PHL011O2	11/22/2021 10:30	0.00	0.00	11.00	89.00	
PHL011O2	11/30/2021 09:22	0.00	0.10	11.00	88.90	
PHL011O2	12/7/2021 08:34	0.00	0.20	11.00	88.80	
PHL011O2	12/7/2021 08:37	0.00	0.40	11.00	88.60	
PHL011O2	12/16/2021 08:26	0.00	0.40	11.00	88.60	
PHL011O2	12/21/2021 08:38	0.00	0.30	11.10	88.60	
PHL011O2	12/28/2021 09:23	0.00	0.20	11.00	88.80	
PHL15CH4	10/13/2021 09:36	15.00	15.00	0.00	70.00	
PHL15CH4	11/10/2021 09:09	15.00	15.00	0.00	70.00	
PHL15CH4	11/15/2021 08:44	15.00	15.00	0.00	70.00	
PHL15CH4	11/22/2021 10:33	15.00	15.00	0.00	70.00	
PHL15CH4	11/30/2021 11:20	15.00	15.00	0.00	70.00	
PHL15CH4	12/7/2021 08:58	15.00	15.00	0.00	70.00	
PHL15CH4	12/16/2021 08:28	15.00	15.00	0.00	70.00	
PHL15CH4	12/21/2021 08:41	15.00	15.00	0.00	70.00	
PHL15CH4	12/28/2021 09:26	15.00	15.10	0.00	69.90	

Fourth Quarter 2021
GEM-5000 Calibration Data
Potrero Hills Landfill, Suisun City, California

Point Name	Record Date	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Comments
PHL50CH4	10/4/2021 07:43	50.00	35.00	0.00	15.00	
PHL50CH4	10/4/2021 08:48	50.00	35.10	0.00	14.90	
PHL50CH4	10/13/2021 10:03	50.00	34.90	0.00	15.10	
PHL50CH4	10/22/2021 07:59	50.00	34.90	0.00	15.10	
PHL50CH4	10/27/2021 07:42	50.00	35.00	0.00	15.00	
PHL50CH4	10/27/2021 07:47	50.10	35.00	0.00	14.90	
PHL50CH4	11/4/2021 10:58	50.00	35.00	0.00	15.00	
PHL50CH4	11/10/2021 09:25	50.00	35.00	0.00	15.00	
PHL50CH4	11/15/2021 08:57	49.90	35.00	0.00	15.10	
PHL50CH4	11/15/2021 10:26	49.90	35.00	0.00	15.10	
PHL50CH4	11/22/2021 09:06	50.00	35.00	0.00	15.00	
PHL50CH4	11/22/2021 11:27	50.00	35.00	0.00	15.00	
PHL50CH4	11/30/2021 09:24	50.00	35.00	0.00	15.00	
PHL50CH4	12/7/2021 08:36	50.00	35.00	0.00	15.00	
PHL50CH4	12/7/2021 08:47	50.00	35.00	0.00	15.00	
PHL50CH4	12/16/2021 09:09	50.00	35.00	0.00	15.00	
PHL50CH4	12/21/2021 09:27	50.00	35.00	0.00	15.00	
PHL50CH4	12/28/2021 10:40	49.90	35.00	0.00	15.10	

Fourth Quarter 2021
Weather Data
Potrero Hills Landfill, Suisun City, California

Record Date	Barometric Pressure	Ambient Temp	Precipitation	Wind Speed	Wind Direction	General Weather	Field Technician
10/4/2021	29.65	88.00	0.00	5.00	N	Light wind	AS
10/4/2021	29.85	84.00	0.00	5.00	S	Light wind	tgp
10/13/2021	29.90	69.00	0.00	8.00	NE	Moderate wind	AS
10/22/2021	29.93	70.00	0.25	10.00	SE	Raining	dh
10/27/2021	30.05	73.00	0.00	8.00	SE	Moderate wind	dh
10/27/2021	30.09	70.00	0.00	5.00	SE	Light wind	dh
10/27/2021	30.13	0.00	0.00	0.00	SE	Calm wind	dh
10/27/2021	30.17	0.00	0.00	0.00	N/A	Calm wind	N/A
10/27/2021	30.25	70.00	0.00	5.00	SE	Light wind	dh
11/4/2021	30.03	73.00	0.00	9.00	SE	Moderate wind	dh
11/10/2021	30.24	56.00	0.00	3.00	SE	Light wind	AS
11/15/2021	29.97	52.00	0.00	4.00	W	Light wind	AS
11/15/2021	30.04	52.00	0.00	4.00	W	Light wind	DO
11/22/2021	29.92	64.00	0.00	2.00	NE	Light wind	AS
11/22/2021	30.01	63.00	0.00	7.00	SW	Light wind	AS
11/22/2021	30.10	64.00	0.00	2.00	NE	Light wind	AS
11/30/2021	30.06	50.00	0.00	1.00	W	Calm wind	AS
12/7/2021	29.85	0.00	0.00	0.00	N/A	Calm wind	N/A
12/7/2021	29.91	46.00	0.00	6.00	SW	Light wind	AS
12/16/2021	29.96	41.00	0.45	8.00	NW	Raining	AS
12/21/2021	30.04	42.00	0.00	3.00	S	Light wind	AS
12/28/2021	29.56	43.00	0.00	6.00	SW	Light wind	AS
12/28/2021	29.81	43.00	0.00	6.00	SW	Light wind	AS

FOURTH QUARTER 2021
SENSOR CALIBRATION DATA
POTRERO HILLS LANDFILL, SUISUN CITY, CALIFORNIA

PERSONNEL: Anton Svorinich DATE: 12-28-21

CONTROLLER NO.	SENSOR CALIBRATION COMPLETED YES/NO	ALARMS YES/NO	CALIBRATE ZERO	CALIBRATED TO 5000 ppm OF METHANE	COMMENTS
Scale House 1	Y	Y	Y	Y	
Scale House 2	Y	Y	Y	Y	
Maintenance Building	Y	Y	Y	Y	
Maintenance Office	Y	Y	Y	Y	
Main Office	N	N	N	N	Sensor needs to be replaced due to age
Breakroom Sensor #1	Y	Y	Y	Y	
Breakroom Sensor #2	Y	Y	Y	Y	
Breakroom Sensor #3	N	N	N	N	Sensor needs to be replaced due to age
Radio COMM Shed	Y	Y	Y	Y	.
Portable Breakroom	Y	Y	Y	Y	

REMARKS: All sensors calibrated with 5000 parts per million Methane gas with the two exceptions noted above

100 0 100 200 300

SCALE 1"=200'

DRAWING IS HALF-SIZE AT 11x17

ISSUED FOR CONSTRUCTION

LEGEND

LFG-7A, PGP-7 ◉ EXISTING LFG GAS MONITORING PROBES

GENERAL GAS PROBE NOTES:

1. EXISTING GAS PROBES HAVE BEEN TRANSLATED TO THE NEW COORDINATE SYSTEM SHOWN. AS SUCH, PRE-MAY 2019 PROBE LOCATIONS ARE FOR INFORMATIONAL PURPOSES. WC'S SURVEYOR SHALL VERIFY LOCATIONS OF EACH GAS PROBE INSTALLED PRIOR TO MAY 2019.

SURVEY CONTROL

2019500 94.680 FX-500	2019514 237.350 FX-514
2019501 111.630 FX-501	2019516 147.040 FX-516
2019502 56.810 FX-502	2019517 145.750 FX-517
2019505 217.770 FX-505	2019998 82.880 FX-998

TOPOGRAPHICAL INFORMATION

CONTINENTAL MAPPING CONSULTANTS, Inc.

Map Scale: 1" = 100' CI: 2 FT
Date of Photography: 03-14-2019
Horizontal Coordinate System:
Local Coordinate System, Survey Feet

Photogrammetry By:
Continental Mapping Consultants, Inc.
121 S. Bristol St., Suite 201
Sun Prairie, WI 53590

Compilation Date: 04/2019
CMC Job No: J19002

Areas obscured by vegetation, clouds or building lean are marked by obscured lines and contours inside these areas are dashed. Continental Mapping Consultants cannot guarantee the accuracy of the surface data or contours within these areas.

NO.	REVISION	DATE
0	ISSUED FOR CLIENT USE	11/8/19
1	CLIENT REVISIONS	12/17/19
2	CLIENT REVISIONS	12/18/19

SHEET TITLE: GAS PROBES PLAN

PROJECT TITLE: POTRERO HILLS LANDFILL, SUISUN CITY, CALIFORNIA 94585

SCS ENGINEERS
STEARNS, CONRAD, AND SCHMIDT
CONSULTING ENGINEERS & CONTRACTORS
3117 FITE CIRCLE, SUITE 108
SACRAMENTO, CA 95827
PH: (916) 361-1297 FAX: (916) 361-1299

PROJ. NO. 01204082.01 DSN. BY: M.JE DWN. BY: M.JE CHK. BY: M.JE
ACAD FILE: FIG_1GPMAP_121819 APP. BY: WLM

DATE: 11-08-19

SCALE: AS SHOWN

FIGURE: 1

Appendix D – Well Data

Potrero Hills Landfill - Well Data - 08/01/2021 to 01/31/2022

Point Name	Record Date	CH4 [%]	CO2 [%]	O2 [%]	Bal Gas [%]	Init Temp [ ]	Adj Temp [ ]	Init Stat Press ["H2O]	Adj Stat Press ["H2O]	Init Flow [scfm]	Adj Flow [scfm]	Sys Pressure ["H2O]	Comments
0606R	8/2/21 12:41	54.2	44.6	0.0	1.2	126.2	125.1	-0.34	-0.48	0.0	16.9	-11.96	Comments:INCREASED FLOW/VACUUM,,,,,,
0606R	9/13/21 10:03	53.9	43.2	0.0	2.9	127.0	127.2	-0.76	-0.77	31.3	30.2	-11.19	Comments:INCREASED FLOW/VACUUM,,,,,,
0606R	10/4/21 10:11	53.5	42.8	0.0	3.7	125.3	126.1	-1.03	-1.07	0.0	0.0	-12.18	Comments:INCREASED FLOW/VACUUM,,,,,,
0606R	11/15/21 12:15	48.3	41.5	0.2	10.0	123.1	123.2	-1.64	-1.64	23.7	24.2	-25.01	Comments:NO CHANGE,,,,,,
0606R	12/16/21 12:13	43.3	38.5	0.5	17.7	123.2	119.5	-1.52	-0.90	10.1	0.0	-16.31	Comments:DECREASED FLOW/VACUUM,,,,,,
0606R	1/17/22 14:39	54.7	43.0	0.0	2.3	121.1	121.7	-0.11	-0.18	13.0	13.0	-15.93	Comments:,,,,,,
0607R	8/2/21 12:23	53.5	45.6	0.0	0.9	83.9	84.1	-9.78	-9.78	7.0	8.2	-9.74	Comments:INCREASED FLOW/VACUUM,,,,,,
0607R	9/13/21 9:54	52.0	48.0	0.0	0.0	88.0	88.1	-10.13	-10.15	0.0	7.5	-10.80	Comments:,,,,,,
0607R	10/4/21 10:33	50.1	45.4	0.0	4.5	84.4	84.4	-10.11	-10.11	1.9	2.0	-10.44	Comments:,,,,,,
0607R	11/15/21 12:07	50.6	48.9	0.0	0.5	55.4	55.5	-17.62	-17.64	0.0	0.0	-18.04	Comments:NO CHANGE,,,,,,
0607R	12/21/21 12:08	49.5	47.8	0.1	2.6	51.7	51.8	-20.72	-20.73	4.0	2.2	-20.89	Comments:,,,,,,
0607R	1/25/22 14:04	47.6	46.2	0.6	5.6	74.1	74.3	-28.04	-28.92	0.0	2.8	-27.07	Comments:,,,,,,
0706R	8/2/21 12:46	56.1	43.9	0.0	0.0	88.4	88.4	-9.81	-9.81	2.0	2.5	-9.71	Comments:INCREASED FLOW/VACUUM,,,,,,
0706R	9/13/21 11:24	55.5	43.0	0.0	1.5	99.2	99.3	-10.13	-10.13	0.0	0.0	-10.06	Comments:,,,,,,
0706R	10/4/21 10:51	56.1	41.9	0.0	2.0	83.0	83.1	-9.86	-9.86	2.5	2.8	-9.79	Comments:VALVE FULL OPEN,,,,,,
0706R	11/15/21 11:36	44.8	36.1	0.0	19.1	73.0	73.6	-18.68	-17.99	0.0	2.2	-19.02	Comments:DECREASED FLOW/VACUUM,,,,,,
0706R	12/21/21 12:52	57.0	43.0	0.0	0.0	63.6	64.0	-18.96	-18.94	1.4	1.5	-21.86	Comments:,,,,,,
0706R	1/25/22 13:22	47.6	35.6	0.9	15.9	76.4	76.4	-24.93	-24.93	0.5	0.4	-28.32	Comments:MINIMAL VACUUM SETTING,,,,,,
0707R	8/2/21 12:55	57.9	40.6	0.0	1.5	125.7	125.9	-6.54	-6.60	15.0	17.6	-6.83	Comments:INCREASED FLOW/VACUUM,SURGING LIQUID IN HEADER ,SURGING LIQUID IN WELL ,,,,,
0707R	9/13/21 12:06	55.9	38.9	0.0	5.2	126.9	127.0	-8.78	-8.78	13.0	12.9	-8.93	Comments:VALVE FULL OPEN,,,,,,
0707R	10/4/21 12:02	57.2	39.3	0.0	3.5	126.2	126.3	-8.66	-8.66	14.4	14.7	-8.93	Comments:VALVE FULL OPEN,,,,,,
0707R	11/10/21 15:26	49.5	38.1	0.0	12.4	125.8	125.9	-12.66	-12.66	17.5	17.4	-12.95	Comments:VALVE FULL OPEN,,,,,,
0707R	12/21/21 13:21	43.6	36.4	0.0	20.0	124.5	124.5	-21.40	-17.69	24.6	17.0	-22.44	Comments:DECREASED FLOW/VACUUM,,,,,,
0707R	1/25/22 12:51	43.0	36.5	0.0	20.5	127.5	127.6	-13.44	-9.06	18.7	13.1	-23.01	Comments:DECREASED FLOW/VACUUM,,,,,,
0708R	8/2/21 13:22	57.7	42.2	0.0	0.1	121.7	121.8	-7.77	-7.77	23.0	18.0	-10.98	Comments:VALVE FULL OPEN,,,,,,
0708R	9/13/21 12:18	55.2	43.0	0.0	1.8	124.3	124.3	-7.67	-7.67	22.5	14.0	-10.94	Comments:,,,,,,
0708R	10/4/21 12:15	55.4	41.6	0.0	3.0	123.6	123.7	-8.37	-8.42	13.7	8.6	-11.51	Comments:VALVE FULL OPEN,,,,,,
0708R	11/10/21 15:18	57.0	42.4	0.0	0.6	119.0	119.0	-16.36	-16.34	9.1	9.6	-14.85	Comments:VALVE FULL OPEN,,,,,,
0708R	12/28/21 12:59	55.7	42.3	0.1	1.9	109.5	109.6	-24.09	-24.10	4.8	5.6	-25.51	Comments:VALVE FULL OPEN,,,,,,
0708R	1/4/22 12:15	54.0	43.8	0.0	2.2	109.6	109.6	-21.42	-21.42	5.2	3.4	-21.42	Comments:VALVE FULL OPEN,,,,,,
EW-02	8/4/21 10:38	46.3	34.2	0.0	19.5	81.9	81.8	-4.11	-4.16	0.0	0.0	-19.40	Comments:INCREASED FLOW/VACUUM,,,,,,
EW-02	9/7/21 10:59	40.4	31.7	0.0	27.9	85.5	86.0	-2.96	-2.39	10.0	4.2	-12.74	Comments:DECREASED FLOW/VACUUM,,,,,,
EW-02	10/27/21 10:45	47.0	33.3	0.0	19.7	80.8	80.8	-2.02	-2.06	6.1	6.1	-2.10	Comments:NO CHANGE,,,,,,
EW-02	11/15/21 14:07	44.6	34.1	0.0	21.3	77.5	77.6	-2.01	-2.01	7.7	7.8	-34.49	Comments:NO CHANGE,,,,,,
EW-02	12/7/21 11:18	41.5	31.8	0.0	26.7	81.1	81.1	-2.22	-2.14	6.5	4.6	-26.14	Comments:DECREASED FLOW/VACUUM,,,,,,
EW-02	1/17/22 11:07	56.2	37.2	0.0	6.6	74.3	74.3	-1.88	-1.35	5.6	5.7	-36.08	Comments:NO CHANGE,,,,,,
EW-03	8/4/21 10:42	47.6	33.9	0.0	18.5	78.1	78.1	-2.23	-2.23	2.9	2.9	-19.33	Comments:NO CHANGE,,,,,,
EW-03	9/7/21 11:01	38.5	30.7	0.0	30.8	86.2	86.2	-1.41	-1.37	2.4	2.2	-13.31	Comments:MINIMAL VACUUM SETTING,,,,,,
EW-03	10/27/21 10:43	44.2	32.5	0.0	23.3	75.7	75.7	-2.01	-2.01	2.7	2.7	-21.78	Comments:NO CHANGE,,,,,,
EW-03	11/15/21 14:09	46.0	33.1	0.0	20.9	71.5	71.6	-1.32	-1.96	3.6	3.6	-35.27	Comments:NO CHANGE,,,,,,
EW-03	12/7/21 11:20	42.5	31.0	0.0	26.5	75.7	75.7	-1.99	-1.91	3.1	2.9	-26.23	Comments:MINIMAL VACUUM SETTING,,,,,,
EW-03	1/17/22 11:09	55.4	35.9	0.0	8.7	68.4	68.4	-2.68	-2.68	3.4	3.5	-36.52	Comments:NO CHANGE,,,,,,
EW-04	8/4/21 10:48	40.4	30.6	0.1	28.9	79.1	79.2	-6.23	-6.21	4.0	4.0	-19.32	Comments:NO CHANGE,,,,,,
EW-04	9/7/21 11:04	29.5	26.5	0.6	43.4	89.1	89.1	-4.62	-4.58	1.8	1.9	-13.73	Comments:MINIMAL VACUUM SETTING,,,,,,
EW-04	10/27/21 10:40	30.8	27.8	0.3	41.1	75.9	75.9	-4.56	-4.56	0.0	0.0	-22.30	Comments:NO CHANGE,,,,,,
EW-04	11/15/21 14:12	33.6	28.7	0.0	37.7	69.0	69.0	-4.98	-4.98	0.0	0.0	-35.07	Comments:NO CHANGE,,,,,,
EW-04	12/7/21 11:23	19.3	19.8	0.8	60.1	68.1	68.3	-4.32	-4.31	0.0	0.0	-26.21	Comments:MINIMAL VACUUM SETTING,,,,,,
EW-04	1/17/22 11:12	48.7	21.3	4.3	25.7	54.1	54.2	-3.05	-3.07	0.0	0.0	-37.51	Comments:NO CHANGE,,,,,,
EW-05D	8/4/21 9:11	50.2	37.0	3.0	9.8	67.4	67.4	-19.24	-19.24	4.4	4.5	-18.37	Comments:NO CHANGE,,,,,,
EW-05D	9/7/21 11:23	41.9	30.9	4.6	22.6	88.5	88.5	-13.90	-13.86	0.0	0.0	-13.86	Comments:,,,,,,
EW-05D	10/27/21 11:17	56.7	39.7	0.9	2.7	80.8	80.7	-20.50	-20.49	0.0	0.0	-20.24	Comments:NO CHANGE,,,,,,
EW-05D	11/15/21 13:29	57.2	39.1	0.2	3.5	62.7	62.8	-34.73	-33.81	10.8	0.0	-35.17	Comments:,,,,,,
EW-05D	12/7/21 10:07	59.3	38.5	0.5	1.7	59.0	59.0	-32.68	-32.68	0.0	0.0	-34.61	Comments:,,,,,,
EW-05D	1/17/22 12:38	48.9	37.6	3.1	10.4	66.4	66.4	-37.20	-36.12	0.0	0.0	-36.11	Comments:NO CHANGE,,,,,,
EW-05S	8/4/21 9:14	37.9	32.3	0.6	29.2	99.4	99.6	-2.13	-2.13	24.5	24.5	-19.70	Comments:NO CHANGE,,,,,,
EW-05S	9/7/21 11:25	33.9	29.7	0.5	35.9	104.5	103.6	-1.21	-0.53	19.4	5.3	-14.61	Comments:DECREASED FLOW/VACUUM,,,,,,
EW-05S	10/27/21 11:21	57.3	38.1	0.0	4.6	82.6	82.7	-0.06	-0.06	0.0	0.0	-20.41	Comments:NO CHANGE,,,,,,
EW-05S	11/15/21 13:26	60.2	39.6	0.0	0.2	89.3	90.2	-1.07	-1.05	22.7	22.7	-33.77	Comments:INCREASED FLOW/VACUUM,,,,,,
EW-05S	12/7/21 10:09	44.0	34.5	0.0	21.5	96.5	96.4	-1.19	-1.06	10.0	9.0	-34.63	Comments:DECREASED FLOW/VACUUM,,,,,,
EW-05S	1/17/22 12:37	56.9	38.8	0.0	4.3	66.4	66.9	-0.30	-0.26	0.0	0.0	-33.72	Comments:NO CHANGE,,,,,,

Potrero Hills Landfill - Well Data - 08/01/2021 to 01/31/2022

Point Name	Record Date	CH4 [%]	CO2 [%]	O2 [%]	Bal Gas [%]	Init Temp [ ]	Adj Temp [ ]	Init Stat Press ["H2O]	Adj Stat Press ["H2O]	Init Flow [scfm]	Adj Flow [scfm]	Sys Pressure ["H2O]	Comments
EW-06-03R	8/2/21 9:47	58.4	41.6	0.0	0.0	102.7	102.8	-14.73	-14.72	25.9	25.9	-17.50	Comments:VALVE FULL OPEN,,,,,,,
EW-06-03R	9/7/21 11:52	57.1	37.8	0.0	5.1	109.6	109.6	-14.86	-14.87	23.4	22.8	-16.87	Comments:VALVE FULL OPEN,,,,,,,
EW-06-03R	10/4/21 13:12	58.7	37.9	0.0	3.4	107.8	107.8	-17.58	-16.25	13.8	20.3	-18.67	Comments:VALVE FULL OPEN,,,,,,,
EW-06-03R	11/15/21 12:51	57.1	41.1	0.0	1.8	109.8	109.9	-33.57	-32.51	20.0	20.0	-32.52	Comments:NO CHANGE,,,,,,,
EW-06-03R	12/16/21 13:04	53.2	39.7	0.0	7.1	96.9	96.9	-26.37	-26.41	8.0	6.5	-26.01	Comments:VALVE FULL OPEN,,,,,,,
EW-06-03R	1/25/22 9:41	57.1	42.5	0.4	0.0	86.0	86.3	-21.95	-23.64	0.0	0.0	-23.64	Comments:NO CHANGE,,,,,,,
EW-06-04D	8/2/21 10:12	58.8	40.9	0.3	0.0	76.1	76.4	-17.21	-17.67	0.0	0.0	-17.84	Comments:,,,,,,,
EW-06-04D	9/7/21 12:06	53.7	37.2	0.9	8.2	88.3	88.3	-17.98	-17.98	0.0	0.0	-17.85	Comments:,,,,,,,
EW-06-04D	10/4/21 9:19	52.9	35.0	2.3	9.8	70.4	70.4	-18.80	-18.78	0.1	0.2	-18.71	Comments:,,,,,,,
EW-06-04D	11/15/21 12:28	52.5	35.8	2.5	9.2	57.3	57.3	-36.13	-36.11	0.0	0.0	-35.07	Comments:NO CHANGE,,,,,,,
EW-06-04D	12/16/21 12:45	33.0	24.7	8.4	33.9	62.1	62.1	-26.60	-26.56	0.0	0.0	-26.53	Comments:DECREASED FLOW/VACUUM,MINIMAL VACUUM SETTING,,,,,,
EW-06-04D	12/16/21 12:47	44.5	31.9	4.4	19.2	62.3	62.4	-26.28	-26.28	0.0	0.0	-26.28	Comments:MINIMAL VACUUM SETTING,,,,,,,
EW-06-04D	1/25/22 9:30	54.8	39.8	1.7	3.7	55.9	55.8	-21.59	-21.57	0.0	0.0	-21.57	Comments:NO CHANGE,,,,,,,
EW-06-04S	8/2/21 10:14	58.0	42.0	0.0	0.0	95.1	95.3	-17.84	-17.85	7.7	7.8	-17.95	Comments:VALVE FULL OPEN,,,,,,,
EW-06-04S	9/7/21 12:07	57.8	40.0	0.0	2.2	104.7	104.7	-17.11	-17.12	8.9	9.1	-16.81	Comments:VALVE FULL OPEN,,,,,,,
EW-06-04S	10/4/21 9:20	59.9	40.1	0.0	0.0	88.4	88.4	-18.79	-18.79	6.0	6.0	-18.78	Comments:VALVE FULL OPEN,,,,,,,
EW-06-04S	11/15/21 12:29	57.3	42.7	0.0	0.0	55.3	55.3	-35.57	-35.56	0.0	0.0	-35.74	Comments:NO CHANGE,,,,,,,
EW-06-04S	12/16/21 12:48	58.0	41.6	0.0	0.4	70.0	70.1	-27.16	-27.12	1.3	0.0	-27.07	Comments:VALVE FULL OPEN,,,,,,,
EW-06-04S	1/25/22 9:29	56.5	43.0	0.5	0.0	60.0	60.1	-22.99	-22.99	0.0	0.0	-23.50	Comments:NO CHANGE,,,,,,,
EW-06-08	8/4/21 9:23	58.5	41.5	0.0	0.0	120.3	120.5	-18.23	-18.22	29.7	29.7	-19.05	Comments:VALVE FULL OPEN,,,,,,,
EW-06-08	9/7/21 11:07	59.7	39.4	0.0	0.9	122.0	122.0	-12.14	-12.14	19.7	19.7	-12.56	Comments:VALVE FULL OPEN,,,,,,,
EW-06-08	10/27/21 8:46	60.1	39.9	0.0	0.0	121.4	121.4	-30.34	-30.33	50.8	50.2	-30.30	Comments:NO CHANGE,,,,,,,
EW-06-08	10/27/21 11:29	59.4	39.7	0.0	0.9	121.8	121.8	-21.86	-21.86	37.8	37.8	-21.88	Comments:VALVE FULL OPEN,,,,,,,
EW-06-08	11/15/21 13:39	50.4	38.6	0.0	11.0	121.5	121.6	-31.11	-31.08	47.4	48.2	-33.90	Comments:VALVE FULL OPEN,,,,,,,
EW-06-08	12/7/21 10:19	50.4	37.6	0.0	12.0	119.9	120.0	-28.82	-28.79	42.9	41.0	-30.27	Comments:VALVE FULL OPEN,,,,,,,
EW-06-08	1/17/22 12:47	53.9	39.2	0.4	6.5	120.1	120.3	-33.50	-32.74	43.7	41.5	-34.67	Comments:NO CHANGE,,,,,,,
EW-06D	8/4/21 9:17	56.8	43.2	0.0	0.0	67.5	67.4	-19.54	-19.53	0.6	0.6	-19.57	Comments:INCREASED FLOW/VACUUM,,,,,,,
EW-06D	9/7/21 11:18	56.2	41.7	0.0	2.1	87.2	87.5	-12.90	-12.88	0.2	0.1	-12.84	Comments:INCREASED FLOW/VACUUM,,,,,,,
EW-06D	10/27/21 11:23	58.1	41.9	0.0	0.0	72.4	72.4	-20.72	-20.71	0.0	0.0	-20.71	Comments:VALVE FULL OPEN,,,,,,,
EW-06D	11/15/21 13:32	54.9	39.6	0.8	4.7	59.1	59.0	-35.53	-35.43	1.0	1.0	-34.38	Comments:,,,,,,,
EW-06D	12/7/21 10:13	54.3	39.3	0.8	5.6	56.0	56.1	-33.36	-34.25	1.1	1.1	-32.10	Comments:,,,,,,,
EW-06D	1/17/22 12:43	55.8	43.6	0.6	0.0	65.0	65.0	-38.12	-35.30	0.0	0.0	-35.28	Comments:NO CHANGE,,,,,,,
EW-06S	8/4/21 9:19	57.0	38.6	0.0	4.4	104.2	104.3	-1.13	-1.13	13.7	13.8	-19.79	Comments:INCREASED FLOW/VACUUM,,,,,,,
EW-06S	9/7/21 11:15	43.5	33.6	0.0	22.9	109.0	108.9	-0.94	-0.84	18.1	8.9	-13.02	Comments:DECREASED FLOW/VACUUM,,,,,,,
EW-06S	10/27/21 11:26	58.7	38.4	0.0	2.9	93.3	96.5	-0.27	-0.39	2.8	9.6	-20.44	Comments:INCREASED FLOW/VACUUM,,,,,,,
EW-06S	11/15/21 13:34	51.4	36.6	0.0	12.0	105.0	105.2	-1.12	-1.13	24.3	24.3	-34.41	Comments:INCREASED FLOW/VACUUM,,,,,,,
EW-06S	12/7/21 10:15	36.0	34.5	0.0	29.5	102.6	102.5	-1.11	-1.12	10.9	11.0	-31.23	Comments:DECREASED FLOW/VACUUM,MINIMAL VACUUM SETTING,,,,,,
EW-06S	1/17/22 12:46	57.3	40.3	0.1	2.3	93.8	94.1	-0.53	-0.52	4.5	4.4	-37.04	Comments:NO CHANGE,,,,,,,
EW-07-03R	8/2/21 10:06	4.5	3.9	19.6	72.0	69.1	69.6	-9.16	-17.03	0.0	1.4	-17.00	Comments:MINIMAL VACUUM SETTING,,,,,,,
EW-07-03R	8/2/21 10:09	41.7	24.2	7.4	26.7	68.7	68.7	-17.27	-17.26	0.9	0.9	-17.54	Comments:MINIMAL VACUUM SETTING,,,,,,,
EW-07-03R	8/17/21 20:04	35.8	19.9	8.8	35.5	65.2	65.1	-12.23	-12.23	0.0	0.0	-17.63	Comments:DECREASED FLOW/VACUUM,,,,,,,
EW-07-03R	8/17/21 20:07	43.7	22.3	10.1	23.9	65.8	65.8	-17.28	-17.27	0.0	0.0	-17.26	Comments:SECOND READING,,,,,,,
EW-07-03R	9/7/21 12:02	54.6	25.5	2.9	17.0	92.7	92.8	-16.32	-16.32	0.0	0.0	-16.28	Comments:,,,,,,,
EW-07-03R	10/4/21 9:23	38.1	19.6	8.2	34.1	70.5	70.4	-18.08	-18.08	0.1	0.1	-18.17	Comments:MINIMAL VACUUM SETTING,,,,,,,
EW-07-03R	10/4/21 9:27	49.9	24.4	4.8	20.9	71.3	71.3	-17.57	-17.57	0.1	0.1	-18.17	Comments:MINIMAL VACUUM SETTING,,,,,,,
EW-07-03R	11/15/21 12:32	21.5	13.5	12.7	52.3	56.6	56.6	-33.78	-33.75	0.0	0.0	-33.75	Comments:DECREASED FLOW/VACUUM,,,,,,,
EW-07-03R	11/15/21 12:33	17.7	11.3	14.2	56.8	56.2	56.2	-33.38	-33.38	0.0	0.0	-33.37	Comments:SECOND READING,,,,,,,
EW-07-03R	11/22/21 11:56	20.0	12.1	14.4	53.5	68.2	68.2	-26.61	-26.60	0.0	0.3	-26.65	Comments:,,,,,,,
EW-07-03R	11/22/21 11:57	19.1	11.4	14.2	55.3	68.0	68.0	-26.36	-26.35	0.2	0.2	-26.34	Comments:,,,,,,,
EW-07-03R	12/16/21 12:51	19.7	13.0	13.1	54.2	63.7	63.7	-26.78	-26.77	0.0	0.0	-26.77	Comments:MINIMAL VACUUM SETTING,,,,,,,
EW-07-03R	12/16/21 12:52	23.0	15.7	12.2	49.1	63.2	63.2	-26.77	-26.77	0.0	0.0	-26.77	Comments:MINIMAL VACUUM SETTING,,,,,,,
EW-07-03R	1/25/22 9:32	30.4	17.0	10.0	42.6	49.8	49.8	-23.34	-23.32	0.0	0.0	-23.31	Comments:DECREASED FLOW/VACUUM,,,,,,,
EW-07-03R	1/25/22 9:32	30.3	16.8	10.8	42.1	49.7	49.7	-23.35	-23.31	0.0	0.0	-23.30	Comments:SECOND READING,,,,,,,
EW-07-04R	8/2/21 10:55	45.5	36.4	4.1	14.0	74.1	74.1	-1.60	-1.59	0.0	0.0	-1.40	Comments:SURGING,SYSTEM PRESSURE - VACUUM LOSS,,,,,,
EW-07-04R	9/13/21 11:52	53.0	43.0	0.0	4.0	99.1	99.2	-10.90	-10.90			-10.91	Comments:VALVE FULL OPEN,,,,,,,
EW-07-04R	10/27/21 12:10	15.3	15.0	13.1	56.6	72.8	71.9	-8.93	-2.41	0.0	0.0	-7.50	Comments:DECREASED FLOW/VACUUM,,,,,,,

Potrero Hills Landfill - Well Data - 08/01/2021 to 01/31/2022

Point Name	Record Date	CH4 [%]	CO2 [%]	O2 [%]	Bal Gas [%]	Init Temp [ ]	Adj Temp [ ]	Init Stat Press ["H2O]	Adj Stat Press ["H2O]	Init Flow [scfm]	Adj Flow [scfm]	Sys Pressure ["H2O]	Comments
EW-07-04R	10/27/21 12:20	22.0	20.4	11.1	46.5	72.5	77.0	-2.61	-2.42	0.0	0.0	-8.70	Comments:SECOND READING,,,,,,,
EW-07-04R	11/4/21 12:16	1.8	2.3	19.3	76.6	71.0	68.0	-8.07	-0.16	0.0	0.0	-10.63	Comments:DECREASED FLOW/VACUUM,AIR INTRUSION,,,,,,
EW-07-04R	11/4/21 12:46	0.6	0.9	20.1	78.4	70.5	70.6	-0.04	-0.04	0.0	0.0	-11.65	Comments:SECOND READING,,,,,,,
EW-07-04R	11/15/21 12:01	0.2	1.0	19.8	79.0	55.4	55.4	-2.94	-2.95	0.0	0.0	-26.71	Comments:DECREASED FLOW/VACUUM,,,,,,,
EW-07-04R	11/15/21 12:01	0.2	1.0	19.8	79.0	55.4	55.4	-2.94	-2.95	0.0	0.0	-26.71	Comments:,,,,,,,
EW-07-04R	11/15/21 12:02	0.1	0.5	20.1	79.3	54.6	54.7	-2.53	-2.54	0.0	0.0	-25.78	Comments:SECOND READING,,,,,,,
EW-07-04R	12/16/21 11:54	0.7	2.9	20.2	76.2	60.5	60.6	-13.78	-13.78	0.0	0.0	-13.53	Comments:MINIMAL VACUUM SETTING,,,,,,,
EW-07-04R	12/16/21 11:54	0.5	1.7	20.5	77.3	61.1	61.2	-13.59	-13.62	1.6	1.6	-13.63	Comments:MINIMAL VACUUM SETTING,,,,,,,
EW-07-04R	1/17/22 14:12	3.8	5.6	18.8	71.8	69.5	69.6	-17.36	-17.37	3.2	3.1	-17.59	Comments:,,,,,,,
EW-07-04R	1/17/22 14:13	3.4	3.8	19.3	73.5	70.4	70.4	-17.43	-17.42	0.0	0.0	-17.41	Comments:,,,,,,,
EW-07-14	8/2/21 11:22	55.7	44.3	0.0	0.0	86.7	86.8	-2.98	-2.98	0.0	0.0	-2.68	Comments:VALVE FULL OPEN,,,,,,,
EW-07-14	9/20/21 9:08	55.5	44.4	0.0	0.1	86.3	86.2	-2.20	-2.18	0.0	0.0	-1.81	Comments:VALVE FULL OPEN,,,,,,,
EW-07-14	10/4/21 11:20	54.5	43.0	0.0	2.5	92.8	92.9	-10.51	-10.52	1.1	0.9	-10.56	Comments:VALVE FULL OPEN,,,,,,,
EW-07-14	11/10/21 14:15	55.6	43.4	0.0	1.0	96.3	96.3	-14.82	-14.82	4.4	4.1	-14.76	Comments:VALVE FULL OPEN,,,,,,,
EW-07-14	12/28/21 12:46	54.1	45.9	0.0	0.0	74.7	74.6	-19.17	-19.18	0.0	14.6	-18.33	Comments:,,,,,,,
EW-07-14	1/4/22 11:49	54.6	45.4	0.0	0.0	79.7	79.7	-19.32	-19.33	0.0	9.6	-19.32	Comments:VALVE FULL OPEN,,,,,,,
EW-07-15R	8/19/21 12:05	56.6	43.4	0.0	0.0	80.7	80.8	-11.96	-11.94	0.0	0.0	-11.95	Comments:INCREASED FLOW/VACUUM,,,,,,,
EW-07-15R	9/13/21 13:23	52.7	43.2	0.0	4.1	96.8	96.7	-10.21	-10.21	1.6	1.6	-10.21	Comments:,,,,,,,
EW-07-15R	10/4/21 12:07	54.4	45.5	0.0	0.1	90.1	90.1	-10.92	-10.90			-10.88	Comments:NO CHANGE,,,,,,,
EW-07-15R	11/10/21 13:51	55.5	43.4	0.0	1.1	69.6	69.6	-14.98	-14.99	0.0	0.0	-14.99	Comments:VALVE FULL OPEN,,,,,,,
EW-07-15R	12/28/21 12:07	52.0	48.0	0.0	0.0	54.4	54.4	-1.37	-1.37	10.9	11.0	-1.37	Comments:,,,,,,,
EW-07-15R	1/4/22 11:35	55.8	44.2	0.0	0.0	65.9	65.9	-0.55	-0.54	0.0	0.0	-0.54	Comments:,,,,,,,
EW-07-16R	8/10/21 11:26	58.3	38.4	0.0	3.3	114.0	113.9	-3.77	-3.77	0.0	0.0	-22.03	Comments:INCREASED FLOW/VACUUM,,,,,,,
EW-07-16R	9/7/21 12:27	53.5	36.1	0.0	10.4	115.0	115.3	-3.16	-4.33	12.6	18.7	-20.46	Comments:INCREASED FLOW/VACUUM,,,,,,,
EW-07-16R	10/4/21 13:16	50.3	34.7	0.0	15.0	114.6	114.6	-5.51	-5.51	19.7	19.8	-21.43	Comments:,,,,,,,
EW-07-16R	11/22/21 12:07	36.4	31.1	0.0	32.5	111.7	111.0	-6.98	-5.01	24.9	10.6	-28.60	Comments:DECREASED FLOW/VACUUM,,,,,,,
EW-07-16R	12/7/21 10:40	38.4	31.9	0.0	29.7	110.7	110.3	-4.15	-4.03	15.0	7.7	-28.81	Comments:DECREASED FLOW/VACUUM,,,,,,,
EW-07-16R	1/31/22 12:42	59.7	39.2	0.0	1.1	73.3	73.9	-2.59	-2.58	0.0	0.0	-24.78	Comments:NO CHANGE,,,,,,,
EW-07-20	8/4/21 9:44	54.7	38.2	0.0	7.1	119.4	120.0	-7.11	-7.09	0.0	0.0	-18.98	Comments:INCREASED FLOW/VACUUM,,,,,,,
EW-07-20	9/7/21 12:48	44.7	35.1	0.0	20.2	123.0	122.9	-5.88	-3.86	0.0	0.0	-18.83	Comments:DECREASED FLOW/VACUUM,,,,,,,
EW-07-20	10/27/21 11:18	55.0	37.2	0.0	7.8	120.4	120.4	-3.87	-3.84	0.0	0.0	-20.84	Comments:NO CHANGE,,,,,,,
EW-07-20	11/15/21 14:21	52.7	36.7	0.0	10.6	118.6	118.6	-5.03	-8.72	0.0	0.0	-34.10	Comments:INCREASED FLOW/VACUUM,,,,,,,
EW-07-20	12/7/21 10:34	46.6	36.0	0.0	17.4	117.7	118.3	-13.53	-6.28	0.0	3.0	-29.32	Comments:DECREASED FLOW/VACUUM,,,,,,,
EW-07-20	1/17/22 14:24	57.2	39.9	0.0	2.9	78.6	80.0	-4.38	-4.38	0.0	0.0	-4.38	Comments:NO CHANGE,,,,,,,
EW-07-21D	8/4/21 9:33	58.1	41.9	0.0	0.0	110.6	111.1	-16.72	-16.75	5.5	4.7	-16.97	Comments:VALVE FULL OPEN,,,,,,,
EW-07-21D	9/7/21 12:55	57.1	40.1	0.0	2.8	122.8	122.8	-17.02	-17.03	0.0	0.0	-17.04	Comments:VALVE FULL OPEN,,,,,,,
EW-07-21D	10/27/21 11:25	58.8	41.2	0.0	0.0	89.5	89.9	-18.21	-18.17	4.0	4.2	-17.94	Comments:NO CHANGE,,,,,,,
EW-07-21D	11/15/21 14:10	58.6	39.0	0.0	2.4	117.4	117.6	-32.01	-32.93	6.2	0.0	-32.58	Comments:VALVE FULL OPEN,,,,,,,
EW-07-21D	12/7/21 10:25	58.8	39.9	0.0	1.3	95.3	97.4	-31.47	-28.61	10.5	0.0	-28.52	Comments:VALVE FULL OPEN,,,,,,,
EW-07-21D	1/17/22 14:13	56.1	43.9	0.0	0.0	68.9	69.0	-24.26	-24.26	0.0	0.0	-24.24	Comments:NO CHANGE,,,,,,,
EW-07-21S	8/4/21 9:36	54.1	39.5	0.0	6.4	105.5	105.8	-7.21	-7.21	3.8	3.8	-6.52	Comments:INCREASED FLOW/VACUUM,,,,,,,
EW-07-21S	9/7/21 12:56	49.8	37.0	0.0	13.2	117.8	118.0	-5.12	-5.10	0.0	0.0	-16.43	Comments:,,,,,,,
EW-07-21S	10/27/21 11:27	60.2	39.8	0.0	0.0	68.6	68.6	-3.83	-3.83	0.0	0.0	-3.84	Comments:NO CHANGE,,,,,,,
EW-07-21S	11/15/21 14:13	55.2	39.7	0.0	5.1	112.2	114.1	-11.34	-18.36	8.0	14.7	-33.89	Comments:INCREASED FLOW/VACUUM,,,,,,,
EW-07-21S	12/7/21 10:27	49.6	37.7	0.0	12.7	106.6	106.6	-22.46	-22.45	8.9	9.2	-28.12	Comments:,,,,,,,
EW-07-21S	1/17/22 14:19	55.8	44.2	0.0	0.0	72.4	72.4	-24.53	-24.54	0.0	0.0	-24.54	Comments:NO CHANGE,,,,,,,
EW-08-01	8/4/21 10:13	60.4	39.5	0.0	0.1	84.7	84.7	-16.78	-16.79	34.6	34.5	-18.41	Comments:VALVE FULL OPEN,,,,,,,
EW-08-01	9/7/21 10:36	62.2	37.8	0.0	0.0	86.1	86.1	-11.39	-11.39	27.1	27.1	-12.24	Comments:VALVE FULL OPEN,,,,,,,
EW-08-01	10/22/21 12:26	60.7	39.3	0.0	0.0	85.1	85.1	-18.99	-18.99	38.8	38.8	-19.00	Comments:VALVE FULL OPEN,,,,,,,
EW-08-01	10/22/21 12:26	60.7	39.3	0.0	0.0	85.1	85.1	-18.99	-18.99	38.8	38.8	-19.00	Comments:,,,,,,,
EW-08-01	11/15/21 13:44	57.4	38.4	0.0	4.2	84.3	84.3	-29.01	-29.02	50.7	52.1	-29.03	Comments:NO CHANGE,,,,,,,
EW-08-01	12/7/21 10:57	52.0	34.9	0.0	13.1	84.1	84.1	-23.52	-23.52	38.7	38.7	-25.27	Comments:VALVE FULL OPEN,,,,,,,
EW-08-01	1/17/22 10:41	60.2	39.6	0.2	0.0	83.1	83.2	-30.94	-30.93	47.6	47.6	-30.89	Comments:NO CHANGE,,,,,,,
EW-09-04	8/10/21 10:43	59.4	40.6	0.0	0.0	91.7	91.6	10.32	10.33	22.8	23.1	10.35	Comments:NO CHANGE,,,,,,,
EW-09-04	8/13/21 4:49	59.1	40.9	0.0	0.0	73.4	73.4	7.68	7.71	20.3	20.5	7.74	Comments:NO CHANGE,,,,,,,
EW-09-04	8/13/21 4:51	58.3	41.6	0.0	0.1	69.9	69.9	14.22	6.89	19.1	19.3	6.90	Comments:SECOND READING,,,,,,,
EW-09-04	9/20/21 9:22	59.5	40.5	0.0	0.0	87.6	87.5	11.58	11.63			11.65	Comments:NO CHANGE,,,,,,,
EW-09-04	10/27/21 11:48	60.4	39.1	0.0	0.5	74.2	73.9	9.28	9.28	23.0	23.2	9.31	Comments:SYSTEM PRESSURE - VACUUM LOSS,,,,,,,
EW-09-04	10/27/21 11:50	58.8	41.2	0.0	0.0	72.2	72.2	10.68	10.70			10.70	Comments:SECOND READING,,,,,,,

Potrero Hills Landfill - Well Data - 08/01/2021 to 01/31/2022

Point Name	Record Date	CH4 [%]	CO2 [%]	O2 [%]	Bal Gas [%]	Init Temp [ ]	Adj Temp [ ]	Init Stat Press ["H2O]	Adj Stat Press ["H2O]	Init Flow [scfm]	Adj Flow [scfm]	Sys Pressure ["H2O]	Comments
EW-09-04	11/22/21 12:16	58.7	41.3	0.0	0.0	74.3	73.5	10.72	10.80			10.85	Comments:NO CHANGE,MINIMAL VACUUM SETTING,,,,,,
EW-09-04	11/22/21 12:17	58.8	41.2	0.0	0.0	71.5	71.6	10.97	10.99			11.00	Comments:NO CHANGE,SECOND READING,,,,,,
EW-09-04	12/21/21 9:32	59.6	40.4	0.1		47.1	47.0	-22.21	-22.21	0.0	0.0	-23.93	Comments:,,,,,,,
EW-09-04	1/4/22 12:49	60.7	37.9	0.6	0.8	61.9	62.0	-21.88	-21.88	0.0	0.0	-21.89	Comments:,,,,,,,
EW-1001	8/10/21 10:40	60.4	39.5	0.0	0.1	129.6	125.5	-10.44	-10.44	0.0	0.0	-13.56	Comments:INCREASED FLOW/VACUUM,,,,,,,
EW-1001	9/20/21 9:29	56.5	39.7	0.0	3.8	86.0	86.0	-10.51	-10.51	0.0	0.0	-13.94	Comments:NO CHANGE,,,,,,,
EW-1001	10/27/21 10:21	55.5	40.5	0.0	4.0	130.5	130.0	-12.70	-12.71	0.0	0.0	-17.12	Comments:NO CHANGE,,,,,,,
EW-1001	11/22/21 11:27	53.6	39.4	0.0	7.0	136.8	136.8	-15.08	-15.08	0.0	0.0	-20.75	Comments:NO CHANGE,,,,,,,
EW-1001	11/22/21 11:29	53.8	39.5	0.0	6.7	136.8	136.9	-15.00	-15.00	2.6	2.4	-20.84	Comments:NO CHANGE,SECOND READING,,,,,,
EW-1001	11/30/21 11:01	53.2	37.3	0.0	9.5	134.4	134.4	-15.21	-15.22	0.0	0.0	-20.38	Comments:,,,,,,,
EW-1001	11/30/21 11:02	53.0	37.5	0.0	9.5	134.5	134.5	-15.95	-15.95	1.0	0.0	-20.49	Comments:,,,,,,,
EW-1001	12/21/21 10:04	50.4	37.9	0.0	11.7	133.8	133.7	-19.95	-16.85	0.0	0.0	-26.50	Comments:DECREASED FLOW/VACUUM,,,,,,,
EW-1001	12/21/21 10:05	49.7	38.3	0.0	12.0	133.4	133.3	-12.72	-12.71	0.0	0.0	-26.94	Comments:,,,,,,,
EW-1001	1/4/22 12:39	56.3	41.5	0.0	2.2	136.2	135.7	-9.29	-6.30	0.0	0.0	-22.33	Comments:DECREASED FLOW/VACUUM,,,,,,,
EW-1001	1/4/22 12:39	56.7	41.6	0.0	1.7	135.0	135.0	-5.39	-5.39	0.0	0.0	-22.06	Comments:,,,,,,,
EW-11-04R	8/10/21 10:46	58.7	41.3	0.0	0.0	88.2	88.2	-0.93	-0.93	0.0	0.0	-0.92	Comments:NO CHANGE,SURGING LIQUID IN WELL ,,,,,,
EW-11-04R	9/20/21 9:16	57.8	42.2	0.0	0.0	87.7	87.7	-1.06	-1.04	2.6	2.7	-1.04	Comments:NO CHANGE,,,,,,,
EW-11-04R	10/4/21 10:37	58.1	41.9	0.0	0.0	85.4	85.4	-0.94	-0.94	10.0	9.2	-0.94	Comments:NO CHANGE,,,,,,,
EW-11-04R	11/22/21 12:13	57.1	42.9	0.0	0.0	68.2	68.4	-2.30	-2.30	0.0	0.0	-2.22	Comments:NO CHANGE,SURGING,,,,,,
EW-11-04R	12/21/21 10:00	58.1	41.4	0.5	0.0	114.8	117.8	-3.16	-6.16	3.0	16.3	-17.10	Comments:INCREASED FLOW/VACUUM,,,,,,,
EW-11-04R	1/4/22 10:23	56.7	43.1	0.2	0.0	121.0	121.4	-10.44	-11.21	16.7	20.3	-19.88	Comments:INCREASED FLOW/VACUUM,,,,,,,
EW-11R	8/4/21 9:58	60.0	39.9	0.0	0.1	80.0	80.1	-18.17	-18.16	0.0	0.0	-18.06	Comments:VALVE FULL OPEN,,,,,,,
EW-11R	9/7/21 10:32	61.6	38.4	0.0	0.0	85.4	85.4	-12.26	-12.25	3.4	3.5	-12.27	Comments:VALVE FULL OPEN,,,,,,,
EW-11R	10/22/21 12:18	59.5	40.5	0.0	0.0	79.9	79.9	-20.67	-20.67	7.1	7.1	-20.67	Comments:VALVE FULL OPEN,,,,,,,
EW-11R	11/15/21 13:39	59.7	40.3	0.0	0.0	77.9	78.0	-32.23	-32.21	0.0	0.0	-32.22	Comments:NO CHANGE,,,,,,,
EW-11R	12/7/21 10:54	62.6	37.4	0.0	0.0	76.6	76.6	-25.74	-25.73	2.3	2.4	-25.37	Comments:VALVE FULL OPEN,,,,,,,
EW-11R	1/17/22 11:18	58.1	41.9	0.0	0.0	76.5	76.6	-34.90	-34.90	3.8	3.8	-34.89	Comments:NO CHANGE,,,,,,,
EW-13-04	8/23/21 8:28	37.1	38.4	0.1	24.4	63.2	63.1	-10.09	-10.09	5.4	0.0	-8.15	Comments:DECREASED FLOW/VACUUM,,,,,,,
EW-13-04	8/23/21 8:28	37.1	38.4	0.1	24.4	63.2	63.1	-10.09	-10.09	5.4	0.0	-8.15	Comments:DECREASED FLOW/VACUUM,,,,,,,
EW-13-04	9/13/21 9:26	32.5	34.3	0.0	33.2	79.1	79.0	-9.59	-9.57	0.0	0.0	-9.62	Comments:NO CHANGE,,,,,,,
EW-13-04	10/4/21 12:30	27.2	32.1	0.0	40.7	90.4	90.4	-12.40	-12.39	0.0	0.0	-12.39	Comments:NO CHANGE,,,,,,,
EW-13-04	11/15/21 11:31	56.6	43.4	0.0	0.0	69.5	69.5	-21.96	-23.07	0.0	0.0	-23.09	Comments:NO CHANGE,,,,,,,
EW-13-04	11/30/21 11:43	36.4	33.9	0.0	29.7	79.0	79.5	-18.91	-18.92	0.0	0.0	-18.87	Comments:,,,,,,,
EW-13-04	12/16/21 10:29	41.7	36.9	0.0	21.4	62.0	62.0	-21.75	-24.75	0.0	8.2	-23.34	Comments:INCREASED FLOW/VACUUM,VALVE FULL OPEN,,,,,,
EW-13-04	1/25/22 11:05	25.7	27.1	0.0	47.2	78.8	78.9	-21.77	-20.21	3.0	3.0	-22.15	Comments:VALVE FULL OPEN,,,,,,,
EW-13-05	8/23/21 8:22	43.4	36.8	0.3	19.5	102.8	102.9	-6.65	-6.64	16.8	16.8	-6.63	Comments:DECREASED FLOW/VACUUM,,,,,,,
EW-13-05	9/13/21 10:30	42.3	36.5	0.0	21.2	108.4	108.4	-9.76	-9.76	36.3	36.3	-13.26	Comments:NO CHANGE,,,,,,,
EW-13-05	10/4/21 12:25	42.4	34.2	0.0	23.4	107.8	108.2	-9.53	-9.52	0.0	0.0	-9.52	Comments:DECREASED FLOW/VACUUM,,,,,,,
EW-13-05	11/15/21 11:25	44.9	37.8	0.0	17.3	63.9	63.9	-20.19	-20.64	7.3	7.3	-20.63	Comments:NO CHANGE,,,,,,,
EW-13-05	11/30/21 11:38	42.3	34.8	0.0	22.9	105.8	105.0	-16.66	-17.92	0.0	23.5	-19.79	Comments:,,,,,,,
EW-13-05	12/16/21 10:20	43.0	37.5	0.0	19.5	101.6	101.7	-22.94	-24.47	26.1	31.7	-22.84	Comments:INCREASED FLOW/VACUUM,VALVE FULL OPEN,,,,,,
EW-13-05	1/25/22 10:48	60.0	38.3	0.0	1.7	92.1	92.2	-21.23	-22.86	7.3	8.8	-22.93	Comments:VALVE FULL OPEN,,,,,,,
EW-13-06	8/23/21 8:14	59.1	40.8	0.0	0.1	106.0	106.0	-6.74	-6.78	0.0	0.0	-7.24	Comments:INCREASED FLOW/VACUUM,,,,,,,
EW-13-06	8/23/21 8:14	59.1	40.8	0.0	0.1	106.0	106.0	-6.74	-6.78	0.0	0.0	-7.24	Comments:INCREASED FLOW/VACUUM,,,,,,,
EW-13-06	9/13/21 10:40	56.4	39.1	0.0	4.5	108.1	108.2	-12.76	-12.74	28.2	28.4	-12.99	Comments:INCREASED FLOW/VACUUM,,,,,,,
EW-13-06	10/4/21 12:39	59.3	40.3	0.0	0.4	107.6	107.6	-12.33	-12.33	0.0	0.0	-12.33	Comments:NO CHANGE,,,,,,,
EW-13-06	11/15/21 11:41	58.4	41.6	0.1		91.1	90.9	-23.50	-23.51	0.0	0.0	-24.02	Comments:NO CHANGE,,,,,,,
EW-13-06	12/16/21 10:13	58.3	41.4	0.3	0.0	87.9	88.6	-25.52	-25.55	16.7	16.6	-25.82	Comments:VALVE FULL OPEN,,,,,,,
EW-13-06	1/25/22 10:43	57.8	39.7	0.5	2.0	83.5	83.5	-23.19	-21.82	0.0	3.8	-22.23	Comments:VALVE FULL OPEN,,,,,,,
EW-14-02	8/2/21 9:51	49.9	37.9	0.0	12.2	122.3	122.3	-2.18	-2.18	33.1	34.0	-17.70	Comments:,,,,,,,
EW-14-02	9/7/21 11:54	38.0	31.2	0.0	30.8	123.2	123.5	-1.99	-1.31	32.8	16.8	-17.44	Comments:DECREASED FLOW/VACUUM,,,,,,,
EW-14-02	10/4/21 9:34	50.6	35.8	0.0	13.6	124.6	124.6	-0.70	-0.71	18.7	18.8	-19.01	Comments:,,,,,,,
EW-14-02	11/15/21 12:40	35.6	32.4	0.0	32.0	120.1	120.1	-1.72	-1.72	22.0	23.9	-36.19	Comments:NO CHANGE,,,,,,,
EW-14-02	12/16/21 13:01	27.1	27.5	0.0	45.4	117.1	113.7	-2.18	-1.35	21.4	5.5	-26.91	Comments:DECREASED FLOW/VACUUM,,,,,,,
EW-14-02	1/25/22 9:39	56.5	42.9	0.7		112.5	112.6	-0.16	-0.17	0.0	0.0	-23.05	Comments:NO CHANGE,,,,,,,
EW-14-04	8/2/21 10:41	57.2	42.1	0.0	0.7	124.6	124.6	-2.22	-2.70	1.2	10.5	-16.58	Comments:INCREASED FLOW/VACUUM,,,,,,,
EW-14-04	9/7/21 12:17	46.1	36.7	0.0	17.2	125.3	125.0	-3.08	-2.50	15.6	9.6	-16.08	Comments:DECREASED FLOW/VACUUM,,,,,,,
EW-14-04	10/4/21 9:49	54.4	39.3	0.0	6.3	126.1	126.2	-2.01	-2.47	11.7	14.6	-17.61	Comments:INCREASED FLOW/VACUUM,,,,,,,

Potrero Hills Landfill - Well Data - 08/01/2021 to 01/31/2022

Point Name	Record Date	CH4 [%]	CO2 [%]	O2 [%]	Bal Gas [%]	Init Temp [ ]	Adj Temp [ ]	Init Stat Press ["H2O]	Adj Stat Press ["H2O]	Init Flow [scfm]	Adj Flow [scfm]	Sys Pressure ["H2O]	Comments
EW-14-04	11/15/21 13:02	43.4	35.2	0.0	21.4	123.4	123.2	-4.89	-3.28	21.7	13.2	-31.71	Comments:DECREASED FLOW/VACUUM,,,,,,,
EW-14-04	12/21/21 11:47	43.1	35.8	0.0	21.1	120.1	115.7	-1.93	-1.35	7.1	5.9	-31.03	Comments:DECREASED FLOW/VACUUM,,,,,,,
EW-14-04	1/31/22 11:28	58.4	41.0	0.0	0.6	130.0	130.0	-0.14	-0.14	0.0	0.0	-33.78	Comments:,,,,,,,
EW-14-05	8/2/21 10:20	54.6	40.4	0.0	5.0	118.3	118.3	-2.94	-2.91	0.0	0.0	-17.89	Comments:INCREASED FLOW/VACUUM,,,,,,,
EW-14-05	9/7/21 12:11	45.1	35.6	0.0	19.3	121.2	121.4	-3.35	-2.11	0.0	0.0	-17.36	Comments:DECREASED FLOW/VACUUM,,,,,,,
EW-14-05	10/4/21 9:15	54.1	39.0	0.0	6.9	122.1	122.4	-1.82	-2.31	39.8	42.9	-18.26	Comments:INCREASED FLOW/VACUUM,,,,,,,
EW-14-05	11/15/21 12:25	41.5	36.8	0.0	21.7	88.7	89.1	-4.04	-4.04	57.8	57.8	-35.05	Comments:NO CHANGE,,,,,,,
EW-14-05	12/16/21 12:43	39.5	34.4	0.0	26.1	118.0	117.9	-3.96	-2.03	48.8	19.6	-26.99	Comments:DECREASED FLOW/VACUUM,,,,,,,
EW-14-05	1/31/22 11:33	59.0	40.8	0.0	0.2	129.7	129.7	-0.11	-0.11	21.8	21.7	-21.03	Comments:,,,,,,,
EW-14-06	8/4/21 9:39	59.4	40.1	0.0	0.5	124.0	124.1	-2.86	-2.84	18.6	18.6	-18.82	Comments:INCREASED FLOW/VACUUM,,,,,,,
EW-14-06	9/7/21 12:52	50.4	37.1	0.0	12.5	125.7	125.7	-2.18	-2.18	18.7	18.7	-17.62	Comments:,,,,,,,
EW-14-06	10/27/21 11:22	51.3	38.3	0.0	10.4	119.7	119.7	-3.16	-3.16	19.0	19.0	-19.82	Comments:NO CHANGE,,,,,,,
EW-14-06	11/15/21 14:16	45.5	36.4	0.0	18.1	124.2	124.2	-3.85	-3.27	24.7	15.7	-34.35	Comments:DECREASED FLOW/VACUUM,,,,,,,
EW-14-06	12/7/21 10:29	50.6	36.8	0.0	12.6	123.2	123.2	-2.46	-2.44	14.8	14.8	-29.67	Comments:,,,,,,,
EW-14-06	1/17/22 14:10	56.8	43.2	0.0	0.0	118.8	118.9	-1.41	-1.41	14.2	14.2	-25.48	Comments:NO CHANGE,,,,,,,
EW-14-23	8/2/21 11:45	49.9	41.7	1.0	7.4	94.8	95.0	-0.70	-0.71	0.0	0.0	-8.68	Comments:,,,,,,,
EW-14-23	9/13/21 8:57	53.5	45.3	0.0	1.2	86.2	86.5	-0.57	-0.58	0.0	0.0	-4.33	Comments:INCREASED FLOW/VACUUM,,,,,,,
EW-14-23	10/4/21 9:18	52.0	44.9	0.0	3.1	88.2	90.4	-0.65	-2.46	2.3	1.7	-7.84	Comments:INCREASED FLOW/VACUUM,,,,,,,
EW-14-23	11/15/21 9:44	42.4	36.5	2.1	19.0	66.0	66.1	-2.89	-2.88	3.5	3.6	-22.09	Comments:NO CHANGE,,,,,,,
EW-14-23	12/16/21 11:33	21.2	14.1	12.2	52.5	66.8	66.8	-1.82	-1.84	1.2	1.3	-19.44	Comments:MINIMAL VACUUM SETTING,,,,,,,
EW-14-23	12/16/21 11:34	21.0	13.9	12.3	52.8	67.0	67.0	-1.93	-1.93	1.3	1.3	-19.17	Comments:,,,,,,,
EW-14-23	12/21/21 11:05	35.1	28.8	5.8	30.3	60.3	60.3	-3.17	-3.16	0.0	0.0	-21.26	Comments:MINIMAL VACUUM SETTING,,,,,,,
EW-14-23	12/21/21 11:06	33.4	27.6	6.4	32.6	61.8	61.7	-3.55	-3.55	3.6	3.6	-20.83	Comments:,,,,,,,
EW-14-23	1/17/22 12:32	26.6	22.2	9.6	41.6	65.7	65.8	-3.16	-3.17	1.0	1.2	-27.45	Comments:,,,,,,,
EW-14-23	1/17/22 12:32	26.6	22.2	9.6	41.6	65.7	65.8	-3.16	-3.17	1.0	1.2	-27.45	Comments:,,,,,,,
EW-14-23	1/17/22 12:36	27.9	23.0	9.0	40.1	67.6	67.7	-3.34	-3.33	0.0	0.0	-26.87	Comments:,,,,,,,
EW-14-24	8/2/21 12:01	9.2	26.2	0.9	63.7	83.7	83.7	-11.56	-11.55	0.0	0.0	-11.64	Comments:MINIMAL VACUUM SETTING,,,,,,,
EW-14-24	9/13/21 9:05	36.0	44.3	3.4	16.3	75.1	74.9	-9.27	-9.28	0.0	0.3	-9.28	Comments:DECREASED FLOW/VACUUM,,,,,,,
EW-14-24	10/4/21 9:12	43.8	51.5	1.1	3.6	73.5	73.5	-13.23	-13.22	1.4	1.4	-13.22	Comments:NO CHANGE,,,,,,,
EW-14-24	11/15/21 9:41	45.4	54.2	0.4	0.0	53.4	53.4	-25.94	-25.94	0.0	0.0	-25.94	Comments:NO CHANGE,,,,,,,
EW-14-24	12/16/21 11:19	37.9	47.0	2.8	12.3	58.2	58.2	-23.50	-23.51	1.3	1.0	-23.00	Comments:MINIMAL VACUUM SETTING,,,,,,,
EW-14-24	1/17/22 12:43	40.6	46.6	2.7	10.1	63.8	63.9	-30.65	-30.65	3.1	3.0	-31.53	Comments:,,,,,,,
EW-14-25	8/2/21 12:07	54.2	42.9	0.0	2.9	86.8	86.9	-7.12	-7.04	0.0	0.0	-11.43	Comments:,,,,,,,
EW-14-25	9/13/21 9:08	54.1	43.4	0.0	2.5	79.5	79.6	-8.39	-8.39	0.0	0.0	-9.14	Comments:INCREASED FLOW/VACUUM,,,,,,,
EW-14-25	10/4/21 8:47	53.5	41.8	0.0	4.7	73.3	73.4	-11.70	-11.73	1.4	2.1	-13.11	Comments:INCREASED FLOW/VACUUM,,,,,,,
EW-14-25	11/15/21 9:38	54.7	40.7	0.1	4.5	65.2	65.3	-23.21	-23.20	0.0	0.0	-23.19	Comments:NO CHANGE,,,,,,,
EW-14-25	12/16/21 11:15	39.4	34.6	1.0	25.0	61.7	61.0	-21.00	-19.62	0.0	1.5	-20.76	Comments:DECREASED FLOW/VACUUM,MINIMAL VACUUM SETTING,,,,,,
EW-14-25	1/17/22 12:49	46.1	33.9	3.9	16.1	66.6	66.5	-26.56	-26.54	0.5	0.5	-30.81	Comments:,,,,,,,
EW-14-26	8/10/21 12:11	60.2	39.2	0.2	0.4	104.9	104.9	-5.11	-5.12	32.7	32.8	-10.32	Comments:INCREASED FLOW/VACUUM,,,,,,,
EW-14-26	9/20/21 10:52	53.7	39.4	0.0	6.9	103.7	103.9	-6.18	-6.18	52.1	52.1	-13.72	Comments:INCREASED FLOW/VACUUM,,,,,,,
EW-14-26	10/27/21 9:29	51.7	38.3	0.0	10.0	103.9	104.1	-7.19	-7.18	43.7	43.7	-15.04	Comments:NO CHANGE,,,,,,,
EW-14-26	11/22/21 10:40	54.7	38.7	0.0	6.6	102.7	103.1	-8.62	-9.15	57.4	61.8	-22.34	Comments:INCREASED FLOW/VACUUM,,,,,,,
EW-14-26	12/7/21 13:41	51.5	35.6	0.0	12.9	104.4	104.4	-8.69	-8.67	55.1	55.7	-19.26	Comments:,,,,,,,
EW-14-26	1/25/22 10:26	52.5	38.2	0.0	9.3	105.9	105.9	-11.22	-11.27	64.1	68.7	-24.24	Comments:,,,,,,,
EW-14-28	8/10/21 10:28	57.2	42.6	0.2	0.0	83.2	83.4	-13.34	-13.36	0.0	0.0	-13.21	Comments:INCREASED FLOW/VACUUM,,,,,,,
EW-14-28	9/20/21 9:37	56.9	42.1	0.0	1.0	79.6	79.7	-13.62	-13.65			-13.66	Comments:VALVE FULL OPEN,,,,,,,
EW-14-28	10/27/21 9:59	58.0	42.0	0.0	0.0	107.4	107.4	-20.14	-20.14	1.5	1.6	-20.03	Comments:VALVE FULL OPEN,,,,,,,
EW-14-28	11/22/21 11:08	56.6	43.4	0.0	0.0	93.7	94.4	-20.83	-20.76	0.6	0.0	-20.67	Comments:NO CHANGE,VALVE FULL OPEN,,,,,,
EW-14-28	12/21/21 9:45	56.6	43.1	0.3	0.0	104.0	104.5	-25.05	-22.94	5.0	0.0	-24.82	Comments:VALVE FULL OPEN,,,,,,,
EW-14-28	1/4/22 12:25	57.5	42.5	0.0	0.0	90.8	90.9	-22.44	-22.43	0.0	0.0	-22.43	Comments:VALVE FULL OPEN,,,,,,,
EW-14-29	8/10/21 10:33	57.7	42.2	0.0	0.1	125.5	123.3	-9.42	-9.42	25.8	25.6	-13.09	Comments:VALVE FULL OPEN,,,,,,,
EW-14-29	9/20/21 9:33	56.7	41.8	0.0	1.5	77.1	77.1	-9.43	-9.41	0.0	0.0	-9.41	Comments:VALVE FULL OPEN,,,,,,,
EW-14-29	10/27/21 10:05	57.0	43.0	0.0	0.0	139.6	139.6	-13.29	-13.00	35.1	34.1	-19.39	Comments:DECREASED FLOW/VACUUM,,,,,,,
EW-14-29	10/27/21 10:09	57.0	43.0	0.0	0.0	139.2	139.2	-12.52	-12.52	33.1	33.1	-18.60	Comments:SECOND READING,,,,,,,
EW-14-29	11/4/21 11:44	58.2	41.8	0.0	0.0	132.4	130.5	-13.31	-13.09	34.3	32.5	-19.39	Comments:DECREASED FLOW/VACUUM,,,,,,,
EW-14-29	11/4/21 11:45	57.7	42.3	0.0	0.0	130.3	130.3	-12.98	-12.98	33.4	33.4	-19.63	Comments:SECOND READING,,,,,,,
EW-14-29	12/21/21 9:39	55.0	41.5	0.0	3.5	137.1	137.0	-14.86	-11.13	37.0	21.9	-25.44	Comments:DECREASED FLOW/VACUUM,,,,,,,
EW-14-29	12/21/21 9:40	55.5	42.5	0.0	2.0	136.2	136.3	-9.66	-9.66	22.0	19.3	-24.80	Comments:,,,,,,,
EW-14-29	1/4/22 12:31	55.7	43.9	0.0	0.4	138.8	138.8	-7.04	-5.17	21.7	12.6	-22.02	Comments:,,,,,,,

Potrero Hills Landfill - Well Data - 08/01/2021 to 01/31/2022

Point Name	Record Date	CH4 [%]	CO2 [%]	O2 [%]	Bal Gas [%]	Init Temp [ ]	Adj Temp [ ]	Init Stat Press ["H2O]	Adj Stat Press ["H2O]	Init Flow [scfm]	Adj Flow [scfm]	Sys Pressure ["H2O]	Comments
EW-14-29	1/4/22 12:32	55.7	44.3	0.0	0.0	138.3	138.4	-4.51	-4.48	12.9	13.0	-21.99	Comments:,,,,,,,
EW-14-34	8/2/21 10:35	56.1	41.2	0.0	2.7	118.8	119.3	-10.21	-11.43	17.6	24.9	-10.46	Comments:INCREASED FLOW/VACUUM,,,,,,,
EW-14-34	9/7/21 12:19	49.3	38.6	0.0	12.1	125.8	125.8	-11.96	-11.96	24.5	24.5	-19.59	Comments:,,,,,,,
EW-14-34	10/4/21 9:38	52.8	37.9	0.0	9.3	129.3	129.4	-12.77	-13.39	27.7	32.8	-20.28	Comments:INCREASED FLOW/VACUUM,,,,,,,
EW-14-34	11/15/21 12:59	50.6	37.8	0.0	11.6	126.4	126.4	-21.50	-21.48	49.5	48.0	-34.08	Comments:,,,,,,,
EW-14-34	12/21/21 11:44	49.3	38.0	0.0	12.7	123.8	123.8	-21.15	-21.15	45.5	45.5	-31.59	Comments:,,,,,,,
EW-14-34	1/31/22 11:24	58.4	40.0	0.0	1.6	128.5	128.5	-27.91	-27.91	36.2	36.3	-35.92	Comments:,,,,,,,
EW-1501	8/19/21 9:44	53.0	35.2	0.0	11.8	116.1	117.0	-9.72	-11.58	0.0	1.1	-19.33	Comments:INCREASED FLOW/VACUUM,,,,,,,
EW-1501	9/7/21 11:47	50.4	34.7	0.0	14.9	118.0	118.1	-8.00	-8.32	3.1	0.0	-17.05	Comments:,,,,,,,
EW-1501	10/4/21 13:09	50.9	34.0	0.0	15.1	118.0	118.0	-11.43	-7.39	51.1	43.1	-18.82	Comments:,,,,,,,
EW-1501	11/15/21 12:54	41.0	33.8	0.0	25.2	115.9	115.9	-15.15	-15.13	76.6	78.4	-35.32	Comments:NO CHANGE,,,,,,,
EW-1501	12/16/21 13:08	36.4	31.7	0.0	31.9	116.8	116.6	-11.61	-8.14	65.2	0.0	-27.06	Comments:DECREASED FLOW/VACUUM,,,,,,,
EW-1501	1/25/22 9:44	59.9	40.1	0.0	0.0	110.9	110.9	-0.05	-0.07	0.0	0.0	-23.13	Comments:NO CHANGE,,,,,,,
EW-1513	8/2/21 13:18	60.1	39.9	0.0	0.0	91.3	91.5	-1.76	-1.74	5.5	5.3	-10.19	Comments:INCREASED FLOW/VACUUM,,,,,,,
EW-1513	9/13/21 12:15	58.4	39.3	0.0	2.3	97.9	97.9	-1.11	-1.91	0.0	1.3	-10.15	Comments:INCREASED FLOW/VACUUM,,,,,,,
EW-1513	10/4/21 12:19	58.4	38.2	0.0	3.4	93.0	93.0	-6.11	-6.04	3.0	2.9	-10.50	Comments:INCREASED FLOW/VACUUM,,,,,,,
EW-1513	11/10/21 15:15	31.6	32.3	0.0	36.1	82.0	82.0	-16.29	-4.75	2.1	0.2	-17.94	Comments:DECREASED FLOW/VACUUM,,,,,,,
EW-1513	12/28/21 12:56	49.2	36.9	0.2	13.7	51.7	51.8	-0.14	-0.16	0.0	0.0	-0.19	Comments:,,,,,,,
EW-1513	1/4/22 12:18	48.3	33.5	1.8	16.4	61.7	61.6	-0.59	-1.40	2.9	0.0	-1.41	Comments:,,,,,,,
EW-1515	8/2/21 12:26	58.1	41.9	0.0	0.0	81.1	81.3	-5.40	-7.80	0.0	0.0	-11.37	Comments:INCREASED FLOW/VACUUM,,,,,,,
EW-1515	9/2/21 8:04	57.4	42.6	0.0	0.0	64.4	63.1	-12.36	-12.37	0.0	0.0	-14.71	Comments:INCREASED FLOW/VACUUM,,,,,,,
EW-1515	10/4/21 10:17	56.6	43.4	0.0	0.0	75.7	75.0	-11.71	-11.73	0.0	43.5	-12.32	Comments:INCREASED FLOW/VACUUM,,,,,,,
EW-1515	11/15/21 9:59	54.0	42.2	0.1	3.7	54.8	54.8	-24.13	-24.10	0.0	0.0	-24.10	Comments:NO CHANGE,,,,,,,
EW-1515	12/16/21 10:54	45.0	38.1	0.0	16.9	56.4	56.4	-12.83	-12.80	1.6	2.1	-22.67	Comments:,,,,,,,
EW-1515	1/17/22 13:31	52.9	40.9	0.0	6.2	72.9	73.0	-0.80	-1.60	0.8	1.0	-21.45	Comments:,,,,,,,
EW-1517	8/2/21 13:06	55.9	41.8	0.0	2.3	127.7	127.9	-5.00	-4.99	12.9	13.0	-9.62	Comments:INCREASED FLOW/VACUUM,,,,,,,
EW-1517	9/13/21 12:00	53.6	41.6	0.0	4.8	129.8	129.8	-4.69	-4.68	11.9	11.9	-9.16	Comments:,,,,,,,
EW-1517	10/4/21 11:57	55.6	41.8	0.1	2.5	129.6	129.8	-5.21	-6.31	13.5	17.7	-9.01	Comments:INCREASED FLOW/VACUUM,,,,,,,
EW-1517	11/10/21 15:32	48.2	39.5	0.0	12.3	129.0	129.0	-9.74	-9.74	21.1	21.1	-12.93	Comments:,,,,,,,
EW-1517	12/21/21 13:15	41.6	37.8	0.0	20.6	129.1	128.4	-14.46	-8.84	28.7	8.6	-22.58	Comments:DECREASED FLOW/VACUUM,,,,,,,
EW-1517	1/25/22 12:40	49.3	39.6	0.0	11.1	128.1	128.2	-4.05	-4.05	9.8	9.9	-21.19	Comments:,,,,,,,
EW-1518	8/2/21 12:21	55.7	41.8	0.0	2.5	126.2	126.4	-10.09	-10.66	0.0	0.0	-10.23	Comments:VALVE FULL OPEN,,,,,,,
EW-1518	9/2/21 8:06	55.9	44.1	0.0	0.0	124.9	125.0	-14.11	-14.10	0.0	0.0	-14.36	Comments:VALVE FULL OPEN,,,,,,,
EW-1518	10/4/21 10:14	55.5	42.8	0.0	1.7	124.3	124.5	-12.25	-12.24	0.0	0.0	-12.24	Comments:VALVE FULL OPEN,,,,,,,
EW-1518	11/15/21 9:55	53.2	42.7	0.0	4.1	126.8	126.9	-24.01	-24.01	16.1	16.4	-25.37	Comments:NO CHANGE,,,,,,,
EW-1518	12/16/21 10:50	48.2	41.0	0.0	10.8	125.8	125.7	-22.56	-20.54	17.5	19.5	-24.02	Comments:DECREASED FLOW/VACUUM,,,,,,,
EW-1518	1/17/22 13:28	53.6	39.0	0.0	7.4	128.0	128.0	-23.81	-23.82	28.6	27.3	-27.63	Comments:,,,,,,,
EW-1520	8/19/21 10:03	54.2	45.8	0.0	0.0	98.4	99.4	-6.67	-6.69	1.6	0.0	-11.76	Comments:INCREASED FLOW/VACUUM,,,,,,,
EW-1520	9/13/21 11:17	51.0	49.0	0.0	0.0	120.1	120.1	-5.96	-5.97	10.0	0.0	-9.91	Comments:,,,,,,,
EW-1520	10/4/21 10:42	51.7	46.2	0.0	2.1	110.0	110.2	-7.20	-7.21	8.0	7.8	-9.93	Comments:,,,,,,,
EW-1520	11/15/21 11:27	53.1	46.8	0.0	0.1	104.7	106.0	-16.65	-17.05	0.0	3.8	-18.61	Comments:INCREASED FLOW/VACUUM,,,,,,,
EW-1520	12/21/21 12:46	52.3	47.6	0.0	0.1	91.9	92.3	-21.03	-21.05	3.2	9.7	-21.70	Comments:,,,,,,,
EW-1520	1/25/22 13:13	48.2	43.4	1.3	7.1	116.9	117.4	-26.38	-27.40	9.7	14.6	-27.40	Comments:,,,,,,,
EW-1521	8/2/21 11:32	54.3	45.7	0.0	0.0	119.5	111.3	-0.23	-0.15	0.0	0.0	-0.15	Comments:,,,,,,,
EW-1521	9/13/21 9:41	48.4	51.6	0.0	0.0	98.8	99.2	-0.04	-0.02	0.0	0.0	-0.01	Comments:MINIMAL VACUUM SETTING,,,,,,,
EW-1521	10/4/21 9:48	47.3	52.7	0.0	0.0	79.7	79.8	0.01	0.01	9.5	9.7	0.01	Comments:VALVE FULL OPEN,,,,,,,
EW-1521	10/4/21 9:49	45.6	54.4	0.0	0.0	80.9	80.9	0.00	0.00	19.3	19.2	0.00	Comments:SECOND READING,,,,,,,
EW-1521	10/13/21 11:44	47.1	52.9	0.0	0.0	71.8	71.9	1.73	1.73	0.0	0.0	1.73	Comments:VALVE FULL OPEN,SYSTEM PRESSURE - VACUUM LOSS,,,,,,
EW-1521	10/13/21 11:45	45.8	54.2	0.0	0.0	74.0	73.9	1.77	1.77	0.0	0.0	1.85	Comments:VALVE FULL OPEN,SYSTEM PRESSURE - VACUUM LOSS,,,,,,
EW-1521	11/15/21 10:17	55.9	44.1	0.0	0.0	130.1	130.1	-18.08	-17.16	25.2	21.5	-18.64	Comments:NO CHANGE,,,,,,,
EW-1521	12/16/21 12:35	50.1	39.0	0.4	10.5	124.2	124.3	-12.90	-12.89	20.4	25.1	-12.79	Comments:VALVE FULL OPEN,,,,,,,
EW-1521	1/17/22 13:37	52.7	39.9	0.1	7.3	126.1	126.1	-13.71	-14.94	18.0	31.6	-15.30	Comments:,,,,,,,
EW-1527	8/2/21 12:31	58.9	39.9	0.0	1.2	117.8	120.7	-0.30	-1.03	0.0	9.7	-10.71	Comments:INCREASED FLOW/VACUUM,,,,,,,
EW-1527	9/13/21 9:55	52.8	40.8	0.0	6.4	120.5	120.7	-1.57	-1.58	28.9	28.9	-9.85	Comments:INCREASED FLOW/VACUUM,,,,,,,
EW-1527	10/4/21 9:57	46.3	38.2	0.0	15.5	119.4	119.1	-2.09	-2.09	0.0	0.0	-13.79	Comments:NO CHANGE,,,,,,,
EW-1527	11/15/21 11:53	31.5	33.4	0.0	35.1	55.9	56.0	-5.95	-5.94	16.7	16.7	-22.51	Comments:NO CHANGE,,,,,,,
EW-1527	12/16/21 12:18	31.5	31.9	0.0	36.6	121.7	115.1	-5.45	-2.64	11.5	1.6	-15.95	Comments:DECREASED FLOW/VACUUM,MINIMAL VACUUM SETTING,,,,,,
EW-1527	1/17/22 14:35	55.9	39.2	0.0	4.9	109.4	111.1	-0.41	-0.50	2.5	3.1	-17.34	Comments:,,,,,,,
EW-1532	8/19/21 10:11	54.0	46.0	0.0	0.0	72.4	72.4	-12.14	-12.14	0.0	0.0	-12.69	Comments:INCREASED FLOW/VACUUM,,,,,,,
EW-1532	9/2/21 8:00	54.4	45.6	0.0	0.0	60.5	60.3	-12.97	-12.97	0.0	0.0	-13.09	Comments:INCREASED FLOW/VACUUM,,,,,,,

Potrero Hills Landfill - Well Data - 08/01/2021 to 01/31/2022

Point Name	Record Date	CH4 [%]	CO2 [%]	O2 [%]	Bal Gas [%]	Init Temp [ ]	Adj Temp [ ]	Init Stat Press ["H2O]	Adj Stat Press ["H2O]	Init Flow [scfm]	Adj Flow [scfm]	Sys Pressure ["H2O]	Comments
EW-1532	9/13/21 12:29	50.9	43.1	0.3	5.7	94.9	95.0	-10.63	-10.60	0.0	0.0	-10.61	Comments:,,,,,,,
EW-1532	10/4/21 10:22	49.5	42.4	1.3	6.8	78.6	78.5	-12.54	-11.50	1.7	2.1	-11.09	Comments:INCREASED FLOW/VACUUM,SURGING LIQUID IN WELL ,,,,,,
EW-1532	11/10/21 14:03	50.7	41.3	1.2	6.8	73.9	74.0	-16.77	-16.76	0.6	0.6	-14.98	Comments:,,,,,,,
EW-1532	11/15/21 10:30	42.0	35.3	4.6	18.1	55.2	55.1	-25.38	-24.46	0.0	0.0	-23.62	Comments:,,,,,,,
EW-1532	12/16/21 10:37	40.8	35.9	4.3	19.0	51.7	51.7	-24.29	-24.28	0.3	0.3	-23.55	Comments:,,,,,,,
EW-1532	1/4/22 12:06	53.5	45.0	0.4	1.1	59.1	59.1	-22.16	-22.17	0.0	0.0	-22.53	Comments:,,,,,,,
EW-1534	8/19/21 12:12	56.9	39.3	0.0	3.8	81.5	81.6	-0.56	-0.57	0.0	0.0	-13.51	Comments:INCREASED FLOW/VACUUM,,,,,,,
EW-1534	9/20/21 11:01	50.2	37.1	0.0	12.7	92.8	92.5	-0.88	-0.79	8.5	5.6	-13.08	Comments:INCREASED FLOW/VACUUM,SURGING LIQUID IN WELL ,,,,,,
EW-1534	10/27/21 9:55	50.4	35.4	0.1	14.1	88.3	88.3	-1.19	-1.20	0.0	0.0	-15.60	Comments:NO CHANGE,,,,,,,
EW-1534	11/22/21 10:33	53.4	37.5	0.0	9.1	91.8	92.2	-1.43	-1.55	10.7	10.8	-20.60	Comments:INCREASED FLOW/VACUUM,SURGING,,,,,,
EW-1534	12/21/21 10:23	50.0	36.2	0.4	13.4	82.3	82.3	-2.40	-2.40	12.8	12.8	-26.76	Comments:,,,,,,,
EW-1534	1/25/22 10:38	55.5	37.6	0.0	6.9	96.0	96.3	-1.69	-2.31	10.1	12.4	-22.50	Comments:,,,,,,,
EW-15R	8/4/21 10:24	60.8	39.2	0.0	0.0	80.4	80.4	-4.76	-4.76	9.2	9.2	-18.43	Comments:INCREASED FLOW/VACUUM,,,,,,,
EW-15R	9/7/21 10:45	57.8	37.6	0.0	4.6	83.5	83.4	-3.40	-4.10	7.7	10.2	-13.68	Comments:INCREASED FLOW/VACUUM,,,,,,,
EW-15R	10/22/21 12:35	53.0	37.7	0.0	9.3	80.9	80.9	-7.12	-7.62	11.9	13.2	-21.45	Comments:INCREASED FLOW/VACUUM,,,,,,,
EW-15R	11/15/21 13:52	48.1	36.3	0.0	15.6	78.4	78.4	-11.88	-11.87	15.3	15.3	-33.07	Comments:NO CHANGE,,,,,,,
EW-15R	12/7/21 11:06	41.8	32.5	0.0	25.7	79.6	79.6	-11.64	-10.25	12.2	7.3	-25.13	Comments:DECREASED FLOW/VACUUM,,,,,,,
EW-15R	1/17/22 10:48	60.1	39.9	0.0	0.0	74.9	74.9	-8.14	-8.13	9.3	9.4	-35.49	Comments:NO CHANGE,,,,,,,
EW-16-01	8/2/21 10:30	49.0	38.0	0.0	13.0	121.0	121.1	-0.46	-0.44			-18.79	Comments:,,,,,,,
EW-16-01	9/7/21 12:23	43.0	35.3	0.0	21.7	124.2	124.3	-0.27	-0.26			-18.09	Comments:MINIMAL VACUUM SETTING,,,,,,,
EW-16-01	10/4/21 9:42	47.2	35.1	0.0	17.7	121.1	120.4	-0.42	-0.32	8.7	4.5	-19.93	Comments:DECREASED FLOW/VACUUM,,,,,,,
EW-16-01	11/15/21 12:56	47.3	36.9	0.0	15.8	110.1	110.1	-0.23	-0.21	0.0	0.0	-34.65	Comments:,,,,,,,
EW-16-01	12/21/21 11:39	44.9	36.0	0.0	19.1	89.9	90.1	-0.15	-0.14	3.7	3.8	-31.93	Comments:,,,,,,,
EW-16-01	1/31/22 11:21	58.7	39.2	0.0	2.1	115.9	118.3	-0.25	-0.94	8.9	18.2	-33.87	Comments:INCREASED FLOW/VACUUM,,,,,,,
EW-16-02	8/2/21 12:59	56.5	41.7	0.0	1.8	130.3	130.4	-0.46	-0.47			-10.93	Comments:INCREASED FLOW/VACUUM,,,,,,,
EW-16-02	9/13/21 9:26	50.3	39.2	1.1	9.4	128.3	128.3	-0.65	-0.63			-8.39	Comments:,,,,,,,
EW-16-02	10/4/21 9:53	48.9	37.8	1.2	12.1	124.4	124.4	-1.11	-1.10			-13.91	Comments:,,,,,,,
EW-16-02	11/15/21 12:47	47.0	37.2	0.0	15.8	119.6	120.1	-2.48	-2.01		33.8	-27.61	Comments:DECREASED FLOW/VACUUM,,,,,,,
EW-16-02	12/21/21 11:33	44.7	37.6	0.0	17.7	119.9	119.7	-1.93	-1.31	31.8	18.7	-24.89	Comments:DECREASED FLOW/VACUUM,,,,,,,
EW-16-02	1/25/22 14:28	56.2	39.5	0.0	4.3	126.8	126.6	-0.18	-0.87	21.8	36.6	-28.86	Comments:INCREASED FLOW/VACUUM,,,,,,,
EW-16-03	8/2/21 12:27	56.2	41.2	0.0	2.6	120.1	120.1	-5.26	-5.22	0.0	0.0	-5.50	Comments:INCREASED FLOW/VACUUM,SURGING LIQUID IN WELL ,,,,,,
EW-16-03	9/13/21 9:58	55.5	41.5	0.0	3.0	119.7	119.6	-10.65	-10.63			-10.71	Comments:VALVE FULL OPEN,,,,,,,
EW-16-03	10/4/21 10:36	51.5	38.7	0.0	9.8	119.4	119.4	-9.84	-9.84	9.9	9.9	-10.27	Comments:VALVE FULL OPEN,,,,,,,
EW-16-03	11/15/21 12:16	53.1	38.4	0.0	8.5	115.5	115.5	-19.09	-19.07	9.3	10.4	-19.42	Comments:VALVE FULL OPEN,,,,,,,
EW-16-03	12/21/21 12:11	55.3	40.1	0.0	4.6	112.0	112.1	-20.35	-20.36	10.4	10.4	-20.69	Comments:VALVE FULL OPEN,,,,,,,
EW-16-03	1/25/22 13:29	55.4	39.2	0.0	5.4	115.8	115.8	-27.64	-27.65	14.1	12.9	-29.21	Comments:VALVE FULL OPEN,,,,,,,
EW-16-04	8/2/21 10:21	55.7	44.3	0.0	0.0	121.7	121.7	0.12	0.18	0.0	0.0	-0.03	Comments:VALVE FULL OPEN,,,,,,,
EW-16-04	8/2/21 10:23	55.2	44.8	0.0	0.0	122.1	121.9	-0.25	-0.10			-0.11	Comments:SECOND READING,,,,,,,
EW-16-04	9/13/21 13:46	54.0	43.8	0.0	2.2	130.0	130.0	1.70	1.70	0.0	0.0	1.71	Comments:,,,,,,,
EW-16-04	9/13/21 13:46	54.0	43.8	0.0	2.2	130.0	130.0	1.70	1.70	0.0	0.0	1.71	Comments:,,,,,,,
EW-16-04	9/13/21 13:47	53.9	44.2	0.0	1.9	130.0	130.0	1.95	1.92	0.0		1.93	Comments:,,,,,,,
EW-16-04	9/28/21 9:55	55.4	44.5	0.1	0.0	126.1	125.8	0.56	0.54	7.4	7.3	-0.15	Comments:SYSTEM PRESSURE - VACUUM LOSS,SURGING,,,,,
EW-16-04	9/28/21 9:56	55.0	45.0	0.0	0.0	126.0	125.9	-0.62	-0.16	8.4	8.3	-0.15	Comments:NO CHANGE,VALVE FULL OPEN,SYSTEM PRESSURE - VACUUM LOSS,SECOND READING,SURGING,,,
EW-16-04	10/4/21 12:14	56.9	43.1	0.0	0.0	127.3	127.8	0.29	0.33	0.0	0.0	0.31	Comments:VALVE FULL OPEN,,,,,,,
EW-16-04	10/4/21 12:16	55.1	44.9	0.0	0.0	128.6	128.6	0.11	0.57	0.0	0.0	0.19	Comments:SECOND READING,,,,,,,
EW-16-04	10/13/21 12:10	55.7	44.2	0.1	0.0	124.0	124.0	-0.90	-0.88	4.4	4.6	-0.70	Comments:,,,,,,,
EW-16-04	11/10/21 15:11	56.1	43.9	0.0	0.0	121.2	121.2	-10.47	-9.46	16.6	0.0	-9.92	Comments:VALVE FULL OPEN,,,,,,,
EW-16-04	12/28/21 12:34	51.5	48.5	0.0	0.0	105.2	105.4	-24.47	-25.84	12.6	15.5	-24.65	Comments:VALVE FULL OPEN,,,,,,,
EW-16-04	1/4/22 11:56	55.2	44.8	0.0	0.0	111.5	111.8	-18.60	-18.60	0.0	17.0	-17.29	Comments:,,,,,,,
EW-16-07	8/2/21 12:00	53.2	41.5	0.0	5.3	116.6	117.1	-15.49	-15.55	0.0	0.0	-15.55	Comments:INCREASED FLOW/VACUUM,,,,,,,
EW-16-07	9/13/21 10:51	49.8	41.8	0.1	8.3	120.8	120.9	-17.03	-17.01			-17.60	Comments:,,,,,,,
EW-16-07	10/4/21 10:10	51.4	40.8	0.2	7.6	119.0	119.0	-16.96	-16.97	6.3	6.5	-17.88	Comments:,,,,,,,
EW-16-07	11/15/21 12:33	56.8	41.3	0.3	1.6	116.3	116.6	-30.06	-29.40	21.0	10.3	-30.97	Comments:INCREASED FLOW/VACUUM,VALVE FULL OPEN,,,,,
EW-16-07	12/21/21 12:34	55.1	42.4	0.0	2.5	117.3	117.4	-30.77	-30.79	9.6	9.6	-30.84	Comments:VALVE FULL OPEN,,,,,,,
EW-16-07	1/25/22 14:17	50.8	40.2	0.0	9.0	121.0	121.3	-32.68	-29.86	28.1	0.0	-31.34	Comments:VALVE FULL OPEN,,,,,,,
EW-16-08	8/4/21 9:28	58.6	41.4	0.0	0.0	125.3	125.3	-1.48	-1.70			-18.16	Comments:INCREASED FLOW/VACUUM,,,,,,,

Potrero Hills Landfill - Well Data - 08/01/2021 to 01/31/2022

Point Name	Record Date	CH4 [%]	CO2 [%]	O2 [%]	Bal Gas [%]	Init Temp [ ]	Adj Temp [ ]	Init Stat Press ["H2O]	Adj Stat Press ["H2O]	Init Flow [scfm]	Adj Flow [scfm]	Sys Pressure ["H2O]	Comments
EW-16-08	9/7/21 11:10	53.5	37.6	0.0	8.9	126.4	126.6	-0.98	-1.05			-12.63	Comments:INCREASED FLOW/VACUUM,,,,,,
EW-16-08	10/27/21 8:49	50.5	37.3	0.1	12.1	121.1	121.1	-4.81	-4.81	44.3	44.3	-34.23	Comments:NO CHANGE,,,,,,
EW-16-08	10/27/21 11:31	50.8	37.0	0.0	12.2	124.3	124.4	-3.69	-3.70	38.1	38.1	-26.08	Comments:NO CHANGE,,,,,,
EW-16-08	11/15/21 13:41	48.7	36.2	0.0	15.1	123.9	123.9	-5.34	-5.34	46.2	46.1	-34.69	Comments:,,,,,,
EW-16-08	12/7/21 10:21	48.4	36.1	0.0	15.5	123.3	123.4	-4.59	-3.94	42.8	31.9	-29.29	Comments:DECREASED FLOW/VACUUM,,,,,,
EW-16-08	1/17/22 12:50	52.0	40.2	0.0	7.8	75.6	75.9	-3.97	-3.97	27.1	27.3	-3.97	Comments:NO CHANGE,,,,,,
EW-17-02	8/2/21 12:02	44.3	34.6	3.4	17.7	97.7	97.7	-13.11	-13.10	5.9	0.0		Comments:INCREASED FLOW/VACUUM,,,,,,
EW-17-02	9/13/21 10:58	54.1	42.6	0.2	3.1	106.9	107.4	-14.52	-15.01	5.2	4.7		Comments:,,,,,,
EW-17-02	10/4/21 10:08	53.4	41.9	0.5	4.2	100.7	100.7	-17.56	-17.59	0.0	0.0	-17.99	Comments:,,,,,,
EW-17-02	11/15/21 12:35	53.6	41.8	1.1	3.5	96.2	96.9	-30.97	-29.69	3.2	1.4	-29.43	Comments:,,,,,,
EW-17-02	12/21/21 12:37	54.5	45.5	0.0	0.0	81.9	81.9	-30.30	-30.31			-30.33	Comments:,,,,,,
EW-17-02	1/25/22 14:19	54.4	44.0	0.0	1.6	105.1	105.5	-30.87	-31.72	2.7	3.2	-30.82	Comments:VALVE FULL OPEN,,,,,,
EW-17-03	8/2/21 11:55	36.9	33.3	0.0	29.8	82.0	82.0	-1.70	-1.70	34.6	34.6		Comments:INCREASED FLOW/VACUUM,,,,,,
EW-17-03	9/13/21 10:33	37.8	36.5	0.0	25.7	94.9	92.9	-1.22	-0.27	4.3	3.5		Comments:DECREASED FLOW/VACUUM,,,,,,
EW-17-03	10/4/21 10:16	50.4	40.6	0.0	9.0	95.8	95.9	-0.31	-0.31	0.9	1.0	-17.55	Comments:,,,,,,
EW-17-03	11/15/21 11:59	46.7	37.1	0.0	16.2	82.0	82.2	-1.53	-1.55	2.1	2.0	-32.29	Comments:DECREASED FLOW/VACUUM,,,,,,
EW-17-03	12/21/21 12:32	44.5	37.7	0.0	17.8	67.7	67.7	-0.54	-0.53	1.1	1.0	-29.15	Comments:MINIMAL VACUUM SETTING,,,,,,
EW-17-03	1/25/22 14:14	54.7	43.4	0.0	1.9	76.6	76.8	-0.31	-0.34	1.1	1.2	-31.22	Comments:,,,,,,
EW-17-05	8/4/21 10:54	56.3	40.2	0.0	3.5	78.9	79.0	-5.79	-5.79	68.1	69.3		Comments:INCREASED FLOW/VACUUM,,,,,,
EW-17-05	9/13/21 11:18	54.3	38.0	0.0	7.7	92.5	93.9	-5.64	-5.64	0.0	0.0		Comments:INCREASED FLOW/VACUUM,,,,,,
EW-17-05	10/27/21 8:55	52.9	38.7	0.0	8.4	85.3	85.5	-6.26	-6.29	17.3	17.4	-17.54	Comments:NO CHANGE,,,,,,
EW-17-05	11/15/21 13:45	47.6	37.2	0.0	15.2	123.9	123.9	-8.12	-8.11	15.0	14.9	-30.17	Comments:,,,,,,
EW-17-05	12/7/21 11:27	51.9	35.9	0.0	12.2	122.4	122.6	-5.34	-6.11	12.1	15.3	-23.89	Comments:INCREASED FLOW/VACUUM,,,,,,
EW-17-05	1/17/22 12:53	58.3	41.6	0.0	0.1	76.5	76.6	-8.81	-8.82	20.5	22.9	-37.38	Comments:NO CHANGE,,,,,,
EW-17-06	8/4/21 10:58	57.1	42.9	0.0	0.0	121.7	121.6	-5.89	-5.87	67.1	67.2		Comments:INCREASED FLOW/VACUUM,,,,,,
EW-17-06	9/13/21 11:21	57.1	41.9	0.0	1.0	123.3	123.6	-5.59	-5.58	0.0	0.0		Comments:INCREASED FLOW/VACUUM,,,,,,
EW-17-06	10/27/21 8:58	57.7	42.3	0.0	0.0	93.3	93.4	-6.44	-6.44	17.7	17.7	-18.22	Comments:NO CHANGE,,,,,,
EW-17-06	11/15/21 13:49	57.0	41.8	0.0	1.2	122.8	123.0	-8.27	-10.96	23.5	32.5	-37.26	Comments:INCREASED FLOW/VACUUM,,,,,,
EW-17-06	12/7/21 11:30	51.6	38.7	0.0	9.7	122.8	122.8	-10.89	-12.47	29.0	37.4	-24.36	Comments:INCREASED FLOW/VACUUM,,,,,,
EW-17-06	1/17/22 12:58	54.3	42.3	0.0	3.4	101.4	101.6	-19.26	-19.27	37.7	42.4	-34.05	Comments:NO CHANGE,,,,,,
EW-17-07	8/4/21 11:05	56.6	43.4	0.0	0.0	78.1	78.3	-8.96	-8.94	86.6	86.6		Comments:VALVE FULL OPEN,,,,,,
EW-17-07	9/13/21 11:24	55.6	42.3	0.0	2.1	94.5	94.5	-8.63	-8.62	0.0	0.0		Comments:INCREASED FLOW/VACUUM,,,,,,
EW-17-07	10/27/21 9:01	57.3	42.6	0.0	0.1	83.8	84.2	-9.97	-9.95	40.9	43.5	-9.94	Comments:NO CHANGE,,,,,,
EW-17-07	11/15/21 13:53	55.2	40.2	0.0	4.6	117.2	117.3	-14.50	-15.04	47.7	49.4	-20.10	Comments:VALVE FULL OPEN,,,,,,
EW-17-07	12/7/21 11:33	49.6	38.3	0.0	12.1	117.1	117.1	-12.99	-12.98	41.1	41.1	-16.93	Comments:VALVE FULL OPEN,,,,,,
EW-17-07	1/17/22 13:00	53.9	42.2	0.0	3.9	62.1	62.0	-23.53	-18.04	67.0	66.9	-18.06	Comments:NO CHANGE,,,,,,
EW-19-01	8/2/21 12:35	56.2	43.8	0.0	0.0	132.0	132.1	-7.61	-8.07	0.0	0.0		Comments:,,,,,,
EW-19-01	8/2/21 12:35	56.1	43.9	0.0	0.0	131.8	131.9	-7.30	-9.10	0.0	0.0		Comments:,,,,,,
EW-19-01	8/17/21 20:00	55.3	39.1	0.0	5.6	129.1	130.0	-10.47	-10.40	0.0	0.0		Comments:,,,,,,
EW-19-01	9/13/21 9:57	58.8	40.9	0.0	0.3	129.7	128.9	-7.69	-9.76	0.0	0.0		Comments:,,,,,,
EW-19-01	10/4/21 9:54	55.7	43.4	0.0	0.9	126.8	126.2	-9.72	-10.35	0.0	0.0	-10.96	Comments:VALVE FULL OPEN,,,,,,
EW-19-01	11/15/21 11:56	54.7	42.4	0.0	2.9	60.2	60.1	-20.75	-20.74	44.7	33.8	-19.69	Comments:NO CHANGE,,,,,,
EW-19-01	12/16/21 12:24	51.4	42.0	0.0	6.6	130.2	130.2	-14.27	-13.54	25.4	25.4	-14.69	Comments:VALVE FULL OPEN,,,,,,
EW-19-01	1/17/22 14:30	53.5	40.5	0.0	6.0	131.3	131.2	-13.81	-12.24	36.5	26.2	-16.02	Comments:,,,,,,
EW-19-01	1/17/22 14:32	54.4	43.0	0.0	2.6	129.2	130.0	-11.79	-11.75	24.0	29.7	-16.05	Comments:,,,,,,
EW-19-02	8/2/21 11:37	34.5	29.0	7.9	28.6	89.8	89.6	-0.26	-0.23	0.0	0.0		Comments:,,,,,,
EW-19-02	8/2/21 11:38	34.4	29.0	8.0	28.6	88.5	88.5	-0.18	-0.18	0.0	0.0		Comments:,,,,,,
EW-19-02	9/13/21 9:38	50.6	49.4	0.0	0.0	85.0	85.0	-0.02	-0.02	0.0	0.0		Comments:,,,,,,
EW-19-02	10/4/21 9:44	48.4	51.6	0.0	0.0	80.3	80.2	-0.03	-0.03	0.0	0.0	0.01	Comments:MINIMAL VACUUM SETTING,,,,,,
EW-19-02	11/15/21 10:19	51.8	48.2	0.0	0.0	62.4	62.1	-6.43	-6.43	0.0	0.0	-20.18	Comments:NO CHANGE,,,,,,
EW-19-02	12/16/21 12:31	28.6	28.1	8.5	34.8	59.4	59.1	-13.80	-13.18	0.0	0.0	-12.23	Comments:MINIMAL VACUUM SETTING,,,,,,
EW-19-02	12/16/21 12:33	16.7	15.2	13.9	54.2	56.6	56.6	-13.33	-13.33	0.0	0.0	-13.33	Comments:MINIMAL VACUUM SETTING,,,,,,
EW-19-02	12/21/21 11:12	51.7	45.3	0.5	2.5	49.2	49.2	-16.32	-16.34	1.4	1.0	-16.34	Comments:,,,,,,
EW-19-02	1/17/22 13:35	53.6	44.6	0.0	1.8	64.9	65.0	-14.68	-14.35	0.0	1.4	-14.99	Comments:,,,,,,
EW-19-04	8/2/21 11:50	51.9	43.7	0.0	4.4	129.1	129.2	-3.50	-3.49	0.0	0.0		Comments:,,,,,,
EW-19-04	9/13/21 8:54	48.1	41.5	0.0	10.4	128.1	128.4	-3.09	-3.09	0.0	0.0		Comments:,,,,,,
EW-19-04	10/4/21 9:15	47.4	42.0	0.0	10.6	124.6	124.9	-4.03	-4.05	8.4	8.7	-13.57	Comments:INCREASED FLOW/VACUUM,,,,,,
EW-19-04	11/15/21 12:38	52.1	47.9	0.0	0.0	116.1	115.9	-21.50	-16.59	74.9	74.3	-22.53	Comments:NO CHANGE,,,,,,
EW-19-04	12/16/21 11:28	53.4	41.5	0.0	5.1	129.2	129.2	-5.51	-5.53	27.2	27.2	-23.07	Comments:,,,,,,
EW-19-04	1/17/22 12:40	56.0	44.0	0.0	0.0	130.7	130.8	-6.69	-6.68	29.7	29.7	-32.35	Comments:,,,,,,
EW-19-06	8/2/21 12:11	56.6	43.4	0.0	0.0	119.5	119.7	-0.83	-1.26	0.0	0.0		Comments:,,,,,,
EW-19-06	9/13/21 8:51	52.1	42.1	0.0	5.8	119.4	119.4	-1.37	-1.36	0.0	0.0		Comments:,,,,,,
EW-19-06	10/4/21 8:44	51.0	39.8	0.0	9.2	118.8	119.2	-1.77	-1.80	22.2	23.7	-13.52	Comments:INCREASED FLOW/VACUUM,,,,,,
EW-19-06	11/15/21 9:36	45.3	37.6	0.0	17.1	116.7	116.8	-3.35	-3.34	0.0	0.0	-26.71	Comments:NO CHANGE,,,,,,

Potrero Hills Landfill - Well Data - 08/01/2021 to 01/31/2022

Point Name	Record Date	CH4 [%]	CO2 [%]	O2 [%]	Bal Gas [%]	Init Temp [ ]	Adj Temp [ ]	Init Stat Press ["H2O]	Adj Stat Press ["H2O]	Init Flow [scfm]	Adj Flow [scfm]	Sys Pressure ["H2O]	Comments
EW-19-06	12/16/21 11:12	43.2	35.6	0.0	21.2	117.1	111.4	-3.42	-1.05	37.7	28.5	-23.28	Comments:DECREASED FLOW/VACUUM,,,,,,
EW-19-06	1/17/22 12:53	56.9	43.1	0.0	0.0	115.3	116.4	-0.78	-1.20	14.4	21.6	-31.06	Comments:,,,,,,
EW-19-09	8/23/21 8:34	56.3	43.7	0.0	0.0	119.1	119.2	-2.85	-2.82	0.0	0.0		Comments:,,,,,,
EW-19-09	9/13/21 11:13	57.2	42.1	0.0	0.7	121.7	121.8	-2.97	-2.99	0.0	0.0		Comments:,,,,,,
EW-19-09	10/4/21 10:40	54.5	39.6	0.0	5.9	120.1	120.2	-4.66	-5.14	31.5	37.4	-10.39	Comments:,,,,,,
EW-19-09	11/15/21 11:29	47.0	38.0	0.0	15.0	119.2	119.1	-9.98	-8.95	49.4	37.2	-19.59	Comments:DECREASED FLOW/VACUUM,,,,,,
EW-19-09	12/21/21 12:43	40.6	34.6	0.0	24.8	118.8	117.1	-8.11	-5.72	41.1	13.7	-21.91	Comments:DECREASED FLOW/VACUUM,,,,,,
EW-19-09	1/25/22 13:16	50.9	38.1	0.0	11.0	122.4	122.4	-2.22	-2.22	19.9	17.3	-27.28	Comments:,,,,,,
EW-19-10	8/2/21 12:52	53.7	36.1	0.0	10.2	113.8	114.4	-0.54	-0.55	0.0	0.0		Comments:,,,,,,
EW-19-10	9/13/21 12:03	51.4	36.7	0.0	11.9	118.8	118.8	-0.39	-0.39	0.0	0.0		Comments:,,,,,,
EW-19-10	10/4/21 12:00	44.6	34.0	0.0	21.4	116.6	116.7	-0.43	-0.40	6.8	5.1	-9.28	Comments:,,,,,,
EW-19-10	11/10/21 15:23	25.5	27.0	0.0	47.5	113.6	113.7	-0.65	-0.65	6.1	6.1	-13.36	Comments:MINIMAL VACUUM SETTING,,,,,,
EW-19-10	12/21/21 13:18	24.5	27.2	0.0	48.3	99.8	100.0	-1.13	-1.02	4.0	4.1	-22.56	Comments:MINIMAL VACUUM SETTING,,,,,,
EW-19-10	1/25/22 12:47	27.6	28.0	0.0	44.4	109.9	109.9	-0.56	-0.55	5.2	5.2	-17.83	Comments:,,,,,,
EW-19-11	8/2/21 12:43	59.4	40.6	0.0	0.0	115.0	115.2	-9.58	-9.55	0.0	0.0		Comments:,,,,,,
EW-19-11	9/13/21 11:26	56.6	40.4	0.0	3.0	116.7	116.9	-9.90	-9.89	0.0	0.0		Comments:,,,,,,
EW-19-11	10/4/21 10:53	58.2	41.2	0.0	0.6	115.6	115.6	-9.60	-9.60	13.1	13.1	-9.60	Comments:,,,,,,
EW-19-11	11/15/21 11:39	50.9	37.6	0.0	11.5	114.0	114.1	-18.36	-18.39	20.3	20.2	-18.91	Comments:VALVE FULL OPEN,,,,,,
EW-19-11	12/21/21 12:55	49.4	37.1	0.0	13.5	113.7	113.7	-21.49	-21.48	22.4	22.4	-21.91	Comments:VALVE FULL OPEN,,,,,,
EW-19-11	1/25/22 13:26	50.0	36.4	0.0	13.6	116.9	116.9	-27.16	-27.14	24.5	27.6	-29.01	Comments:VALVE FULL OPEN,,,,,,
EW-19-12	8/2/21 11:30	57.4	42.5	0.0	0.1	125.8	125.9	-1.96	-1.96	0.0	0.0		Comments:,,,,,,
EW-19-12	9/13/21 11:33	55.7	42.4	0.0	1.9	129.2	129.3	-1.67	-2.28	0.0	0.0		Comments:,,,,,,
EW-19-12	10/4/21 11:07	57.5	41.1	0.0	1.4	128.2	128.4	-2.71	-3.50	20.8	32.9	-11.33	Comments:,,,,,,
EW-19-12	11/15/21 11:47	50.2	38.1	0.6	11.1	125.5	125.4	-6.94	-6.94	47.4	48.4	-21.71	Comments:,,,,,,
EW-19-12	12/21/21 13:02	47.2	38.8	0.6	13.4	124.4	124.0	-7.97	-6.29	49.4	33.5	-24.12	Comments:DECREASED FLOW/VACUUM,,,,,,
EW-19-12	1/25/22 13:02	47.6	36.8	0.6	15.0	126.2	125.1	-5.47	-3.45	35.7	17.4	-26.39	Comments:,,,,,,
EW-19-13	8/2/21 11:35	56.6	42.6	0.0	0.8	127.8	127.8	-1.05	-1.04	0.0	0.0		Comments:,,,,,,
EW-19-13	9/13/21 10:26	50.1	42.9	0.0	7.0	131.0	131.1	-0.88	-0.89	0.0	0.0		Comments:,,,,,,
EW-19-13	9/13/21 10:27	50.8	43.7	0.0	5.5	131.2	131.2	-0.92	-0.91	0.0	0.0		Comments:,,,,,,
EW-19-13	9/20/21 10:06	51.5	42.0	0.0	6.5	128.9	129.3	-0.75	-0.76	17.3	18.0	-10.85	Comments:,,,,,,
EW-19-13	10/4/21 11:02	49.1	41.0	0.0	9.9	130.5	130.5	-1.00	-0.98	13.1	13.1	-10.64	Comments:,,,,,,
EW-19-13	11/15/21 11:51	35.2	36.0	0.0	28.8	128.6	126.2	-1.37	-0.95	14.7	6.0	-20.05	Comments:DECREASED FLOW/VACUUM,,,,,,
EW-19-13	12/21/21 12:28	35.6	35.2	0.0	29.2	117.5	117.9	-0.68	-0.63	8.6	4.3	-21.98	Comments:MINIMAL VACUUM SETTING,,,,,,
EW-19-13	1/25/22 13:33	48.3	38.3	0.0	13.4	122.7	122.8	-0.40	-0.39	5.0	5.1	-22.38	Comments:,,,,,,
EW-19-14	8/2/21 11:14	56.4	43.6	0.0	0.0	118.7	119.1	-1.18	-1.20	0.0	0.0		Comments:,,,,,,
EW-19-14	9/13/21 13:31	53.3	41.5	0.0	5.2	121.0	121.8	-0.72	-0.74	0.0	0.0		Comments:,,,,,,
EW-19-14	10/4/21 11:47	55.6	44.4	0.0	0.0	119.9	119.9	-0.91	-0.95	14.9	21.4	-12.39	Comments:INCREASED FLOW/VACUUM,,,,,,
EW-19-14	11/10/21 12:57	50.9	40.3	0.0	8.8	121.3	121.5	-1.41	-1.54	45.1	52.3	-14.94	Comments:INCREASED FLOW/VACUUM,,,,,,
EW-19-14	12/28/21 12:41	55.2	44.8	0.0	0.0	121.8	121.7	-2.66	-3.10	65.0	78.9	-25.45	Comments:INCREASED FLOW/VACUUM,,,,,,
EW-19-14	1/4/22 11:44	54.8	44.1	0.0	1.1	122.5	122.7	-3.45	-4.26	72.6		-22.01	Comments:INCREASED FLOW/VACUUM,,,,,,
EW-19-15	8/2/21 13:09	54.5	42.5	0.0	3.0	121.4	122.1	-0.30	-0.32	0.0	0.0		Comments:,,,,,,
EW-19-15	9/13/21 12:22	50.4	41.3	0.0	8.3	126.5	126.6	-0.42	-0.41	0.0	0.0		Comments:,,,,,,
EW-19-15	10/4/21 12:13	48.5	40.0	0.0	11.5	123.5	123.4	-0.55	-0.52	14.1	9.2	-10.01	Comments:,,,,,,
EW-19-15	11/10/21 9:33	43.9	37.6	0.0	18.5	118.3	116.0	-1.13	-0.90	14.1	5.4	-16.80	Comments:DECREASED FLOW/VACUUM,,,,,,
EW-19-15	12/16/21 10:46	46.5	40.3	0.0	13.2	116.4	111.9	-1.18	-1.10	6.3	17.3	-20.87	Comments:DECREASED FLOW/VACUUM,,,,,,
EW-19-15	1/4/22 12:10	49.5	40.6	0.0	9.9	117.6	117.6	-0.14	-0.14	10.0	9.4	-19.01	Comments:,,,,,,
EW-19-15	1/17/22 10:39	49.9	40.1	0.0	10.0	116.8	116.9	-0.64	-0.63	8.7	8.7	-24.90	Comments:,,,,,,
EW-19-16	8/2/21 10:31	56.5	43.5	0.0	0.0	127.3	127.6	-1.94	-1.98	0.0	0.0		Comments:,,,,,,
EW-19-16	9/13/21 13:26	49.2	42.0	0.0	8.8	129.6	129.7	-1.29	-1.28	0.0	0.0		Comments:,,,,,,
EW-19-16	10/4/21 12:00	53.0	43.0	0.0	4.0	126.8	127.7	-1.62	-1.64	0.0	0.0	-7.20	Comments:INCREASED FLOW/VACUUM,,,,,,
EW-19-16	11/10/21 13:48	47.3	42.1	0.0	10.6	128.6	128.6	-2.58	-2.10	36.4	28.6	-11.19	Comments:DECREASED FLOW/VACUUM,,,,,,
EW-19-16	12/28/21 12:04	51.9	48.1	0.0	0.0	112.8	112.9	-0.32	-0.28	9.2	8.1	-0.17	Comments:,,,,,,
EW-19-16	1/4/22 11:18	53.8	45.6	0.0	0.6	112.5	112.6	-0.10	-0.10	0.0	0.0	-0.10	Comments:,,,,,,
EW-19-17	8/2/21 10:16	49.7	43.0	0.0	7.3	114.9	115.3	-0.51	-0.53	0.0	0.0		Comments:,,,,,,
EW-19-17	9/13/21 13:02	43.5	40.8	0.0	15.7	118.6	118.5	-0.52	-0.44	0.0	0.0		Comments:,,,,,,
EW-19-17	10/4/21 11:05	45.7	43.0	0.0	11.3	113.9	114.1	-0.38	-0.39	0.0	0.0	-13.08	Comments:NO CHANGE,,,,,,
EW-19-17	11/10/21 13:57	45.6	41.2	0.0	13.2	115.5	115.5	-0.45	-0.40	14.6	12.9	-15.32	Comments:DECREASED FLOW/VACUUM,,,,,,
EW-19-17	12/28/21 12:13	52.5	47.5	0.0	0.0	112.5	112.7	-0.39	-0.43	16.9	19.7	-25.62	Comments:INCREASED FLOW/VACUUM,,,,,,
EW-19-17	1/4/22 12:00	51.8	46.9	0.0	1.3	114.5	114.5	-0.56	-0.56	17.3	17.3	-21.07	Comments:,,,,,,
EW-19-18	8/2/21 11:24	55.7	44.3	0.0	0.0	121.1	121.4	-2.36	-2.35	0.0	0.0		Comments:,,,,,,
EW-19-18	9/13/21 11:46	55.2	41.6	0.0	3.2	122.8	122.9	-1.97	-2.47	0.0	0.0		Comments:,,,,,,
EW-19-18	10/4/21 11:16	55.0	40.4	0.0	4.6	121.8	121.8	-2.99	-2.99	30.3	30.3	-11.91	Comments:,,,,,,
EW-19-18	11/10/21 14:17	49.1	38.1	0.0	12.8	120.2	120.3	-6.11	-6.08	43.2	43.2	-16.57	Comments:,,,,,,
EW-19-18	11/10/21 14:24	59.1	40.9	0.0	0.0	135.6	135.6	-1.40	-1.41	20.8	20.9	-15.09	Comments:,,,,,,
EW-19-18	11/15/21 11:17	50.5	39.2	0.0	10.3	119.7	119.7	-7.87	-7.87	51.4	51.4	-23.34	Comments:,,,,,,
EW-19-18	12/28/21 12:50	54.4	41.3	0.0	4.3	119.2	119.1	-9.19	-10.52	56.0	64.6	-27.12	Comments:INCREASED FLOW/VACUUM,,,,,,

Potrero Hills Landfill - Well Data - 08/01/2021 to 01/31/2022

Point Name	Record Date	CH4 [%]	CO2 [%]	O2 [%]	Bal Gas [%]	Init Temp [ ]	Adj Temp [ ]	Init Stat Press ["H2O]	Adj Stat Press ["H2O]	Init Flow [scfm]	Adj Flow [scfm]	Sys Pressure ["H2O]	Comments
EW-19-18	1/4/22 11:52	52.6	40.1	0.0	7.3	120.2	120.2	-10.15	-10.78	58.1	62.2	-21.83	Comments:INCREASED FLOW/VACUUM,,,,,,
EW-19-19	8/2/21 12:58	57.5	42.5	0.0	0.0	119.2	119.4	-9.86	-9.86	0.0	0.0		Comments:,,,,,,
EW-19-19	9/13/21 12:10	55.1	40.2	0.0	4.7	120.1	120.4	-9.97	-9.87	0.0	0.0		Comments:,,,,,,
EW-19-19	10/4/21 12:05	56.4	40.2	0.0	3.4	119.8	119.8	-9.49	-9.49	16.6	16.6	-9.66	Comments:,,,,,,
EW-19-19	11/10/21 15:28	58.4	41.4	0.0	0.2	119.2	119.2	-13.58	-13.58	20.4	20.4	-14.21	Comments:VALVE FULL OPEN,,,,,,
EW-19-19	12/21/21 13:24	55.7	41.8	0.0	2.5	118.3	118.3	-22.21	-22.23	27.7	29.3	-23.45	Comments:VALVE FULL OPEN,,,,,,
EW-19-19	1/25/22 12:43	55.4	41.4	0.0	3.2	120.7	120.8	-22.34	-23.67	21.1	34.2	-23.41	Comments:VALVE FULL OPEN,,,,,,
EW-19-20	8/2/21 9:59	51.4	45.7	0.0	2.9	116.5	116.8	-0.37	-0.39	0.0	0.0		Comments:,,,,,,
EW-19-20	9/13/21 12:45	43.1	42.0	0.0	14.9	122.1	122.2	-0.33	-0.33	0.0	0.0		Comments:,,,,,,
EW-19-20	10/4/21 10:42	45.1	43.9	0.0	11.0	115.9	116.2	-0.46	-0.46	0.0	0.0	-13.77	Comments:NO CHANGE,,,,,,
EW-19-20	11/10/21 12:21	47.9	44.4	0.0	7.7	122.8	123.1	-0.78	-0.65	17.1	12.9	-16.98	Comments:DECREASED FLOW/VACUUM,,,,,,
EW-19-20	12/28/21 14:36	51.8	47.8	0.4	0.0	112.6	112.6	-0.64	-0.64	35.1	35.1	-25.39	Comments:,,,,,,
EW-19-20	1/4/22 10:43	52.1	47.4	0.0	0.5	119.7	119.5	-2.03	-0.66	0.0	15.3	-24.16	Comments:,,,,,,
EW-19-21	8/2/21 10:02	55.4	44.3	0.0	0.3	122.0	122.2	-0.50	-0.53	0.0	0.0		Comments:,,,,,,
EW-19-21	9/13/21 13:05	47.6	43.4	0.0	9.0	125.8	125.8	-0.57	-0.55	0.0	0.0		Comments:,,,,,,
EW-19-21	10/4/21 10:56	51.7	43.8	0.0	4.5	114.1	114.4	-0.31	-0.33	0.0	3.0	-13.06	Comments:INCREASED FLOW/VACUUM,,,,,,
EW-19-21	11/10/21 13:39	49.1	42.4	0.0	8.5	122.8	122.8	-0.33	-0.33	15.5	15.5	-17.56	Comments:,,,,,,
EW-19-21	12/28/21 12:24	52.1	47.9	0.0	0.0	122.1	122.6	-0.16	-0.43	19.8	25.4	-26.89	Comments:,,,,,,
EW-19-21	12/28/21 12:28	50.1	49.9	0.0	0.0	112.2	112.2	-0.65	-0.64	16.0	16.0	-24.47	Comments:,,,,,,
EW-19-21	1/4/22 11:25	53.3	46.2	0.0	0.5	123.1	123.3	-0.83	-0.94	23.3	32.8	-23.43	Comments:,,,,,,
GW-01	8/23/21 7:47	55.8	37.7	0.0	6.5	72.0	72.0	-6.48	-6.48	17.0	17.0	-8.35	Comments:INCREASED FLOW/VACUUM,,,,,,
GW-01	9/2/21 7:49	43.2	32.8	1.7	22.3	73.2	73.2	-11.52	-11.96	30.8	33.4	-24.30	Comments:DECREASED FLOW/VACUUM,,,,,,
GW-01	10/27/21 12:44	52.7	35.1	0.3	11.9	77.5	77.5	-12.97	-12.45	55.8	56.7	-23.57	Comments:NO CHANGE,,,,,,
GW-01	11/10/21 10:22	56.9	36.4	0.1	6.6	73.7	73.9	-25.86	-28.03	24.2	28.3	-31.37	Comments:INCREASED FLOW/VACUUM,,,,,,
GW-01	12/7/21 9:19	55.0	35.7	0.0	9.3	71.9	71.9	-25.41	-26.76	62.7	56.2	-37.88	Comments:,,,,,,
GW-01	1/4/22 10:05	54.6	37.3	0.0	8.1	69.5	69.7	-26.30	-25.55	29.6	27.2	-34.16	Comments:,,,,,,
GW-02R	8/4/21 8:16	60.6	39.2	0.2	0.0	72.5	72.5	-20.09	-20.06	1.4	1.5	-20.39	Comments:INCREASED FLOW/VACUUM,,,,,,
GW-02R	9/7/21 10:22	61.6	38.1	0.3	0.0	88.4	88.4	-13.79	-13.78	2.7	2.7	-13.84	Comments:VALVE FULL OPEN,,,,,,
GW-02R	10/4/21 13:39	58.9	36.0	0.0	5.1	88.3	88.3	-20.83	-20.82	4.5	4.5	-20.82	Comments:VALVE FULL OPEN,,,,,,
GW-02R	11/15/21 13:15	44.1	34.5	0.0	21.4	85.2	85.3	-4.50	-4.51	5.7	7.0	-35.47	Comments:NO CHANGE,,,,,,
GW-02R	12/7/21 9:36	62.8	36.1	0.8	0.3	69.5	69.5	-35.98	-35.98	5.5	5.9	-36.05	Comments:VALVE FULL OPEN,,,,,,
GW-02R	1/31/22 12:01	57.2	38.9	0.2	3.7	73.4	73.4	-38.24	-38.23	0.0	0.0	-38.23	Comments:NO CHANGE,,,,,,
GW-05R	8/4/21 8:21	53.9	38.1	0.0	8.0	87.7	87.8	-3.77	-3.77	1.8	1.8	-17.89	Comments:INCREASED FLOW/VACUUM,SURGING LIQUID IN HEADER ,,,,,,
GW-05R	9/7/21 10:25	43.0	33.8	0.0	23.2	98.6	98.7	-2.54	-2.53	1.3	1.3	-13.76	Comments:MINIMAL VACUUM SETTING,,,,,,
GW-05R	10/4/21 13:36	47.0	32.5	0.0	20.5	100.2	100.2	-3.23	-3.23	1.9	1.9	-20.81	Comments:MINIMAL VACUUM SETTING,,,,,,
GW-05R	11/15/21 13:17	44.0	34.7	0.0	21.3	85.0	85.0	-4.59	-4.58	3.9	3.1	-36.71	Comments:NO CHANGE,,,,,,
GW-05R	12/7/21 9:43	36.2	31.0	0.0	32.8	84.9	85.0	-5.00	-5.00	2.3	2.3	-34.65	Comments:MINIMAL VACUUM SETTING,,,,,,
GW-05R	1/17/22 12:19	60.4	38.1	0.0	1.5	83.6	83.7	-6.63	-6.64	0.0	0.0	-36.29	Comments:NO CHANGE,,,,,,
GW-06R	8/4/21 8:25	53.0	36.2	0.0	10.8	91.2	91.3	-8.17	-8.17	2.0	2.0	-20.25	Comments:INCREASED FLOW/VACUUM,,,,,,
GW-06R	9/7/21 10:28	49.0	33.7	0.0	17.3	97.7	97.7	-4.31	-4.24	0.9	0.9	-13.53	Comments:,,,,,,
GW-06R	10/4/21 13:33	49.4	32.1	0.0	18.5	100.4	100.4	-4.46	-4.45	1.5	1.5	-21.26	Comments:,,,,,,
GW-06R	11/15/21 13:21	44.2	34.2	0.0	21.6	86.1	86.1	-12.56	-12.56	1.6	1.7	-35.88	Comments:NO CHANGE,,,,,,
GW-06R	12/7/21 9:46	42.5	32.3	0.0	25.2	85.5	85.4	-11.09	-10.51	1.4	1.2	-36.34	Comments:DECREASED FLOW/VACUUM,,,,,,
GW-06R	1/17/22 12:22	61.0	39.0	0.0	0.0	72.6	72.8	-1.56	-1.55	0.6	0.6	-35.69	Comments:NO CHANGE,,,,,,
GW-09R	8/4/21 8:38	59.5	40.5	0.0	0.0	103.8	103.9	-18.96	-19.00	8.6	8.5	-19.75	Comments:INCREASED FLOW/VACUUM,,,,,,
GW-09R	9/7/21 12:34	58.6	39.0	0.0	2.4	110.9	110.9	-16.80	-17.49	17.1	19.4	-20.37	Comments:INCREASED FLOW/VACUUM,,,,,,
GW-09R	10/4/21 13:21	59.5	38.0	0.0	2.5	108.7	108.7	-20.94	-20.94	6.9	7.8	-21.24	Comments:VALVE FULL OPEN,,,,,,
GW-09R	11/15/21 13:28	59.2	40.6	0.0	0.2	107.5	107.5	-33.06	-32.58	21.8	20.7	-32.59	Comments:NO CHANGE,,,,,,
GW-09R	12/7/21 10:44	49.2	36.8	0.0	14.0	106.9	106.9	-27.57	-27.57	13.6	13.7	-28.45	Comments:VALVE FULL OPEN,,,,,,
GW-09R	1/31/22 12:28	57.9	42.0	0.0	0.1	101.7	101.9	-38.09	-38.08	0.0	0.0	-38.07	Comments:NO CHANGE,,,,,,
GW-13	8/4/21 10:07	58.2	39.4	0.0	2.4	70.3	70.3	-10.75	-10.76	2.4	2.4	-18.28	Comments:INCREASED FLOW/VACUUM,,,,,,
GW-13	9/7/21 10:39	56.6	37.8	0.0	5.6	86.8	86.8	-12.02	-12.05	0.5	0.5	-12.39	Comments:INCREASED FLOW/VACUUM,,,,,,
GW-13	10/22/21 12:21	49.0	38.4	0.0	12.6	68.7	68.6	-19.88	-19.89	0.0	0.0	-20.97	Comments:NO CHANGE,,,,,,
GW-13	11/15/21 13:42	53.2	38.8	0.0	8.0	59.1	59.1	-32.13	-32.15	0.0	0.0	-32.15	Comments:NO CHANGE,,,,,,
GW-13	12/7/21 11:03	58.7	36.7	0.5	4.1	61.5	61.6	-24.84	-24.80	0.0	0.0	-24.94	Comments:,,,,,,
GW-13	1/17/22 10:43	58.1	41.6	0.3	0.0	53.9	53.8	-34.36	-34.37	0.0	0.0	-34.39	Comments:NO CHANGE,,,,,,
GW-14	8/4/21 10:09	58.2	41.8	0.0	0.0	82.1	82.2	-1.95	-1.95	0.0	0.0	-18.42	Comments:INCREASED FLOW/VACUUM,,,,,,
GW-14	9/7/21 10:42	60.1	39.9	0.0	0.0	85.1	85.4	-3.07	-2.31	5.9	5.3	-12.89	Comments:INCREASED FLOW/VACUUM,,,,,,
GW-14	10/22/21 12:24	58.1	41.9	0.0	0.0	78.9	79.3	-14.45	-15.81	1.6	3.7	-20.99	Comments:INCREASED FLOW/VACUUM,,,,,,
GW-14	11/15/21 13:46	58.1	41.9	0.0	0.0	69.9	69.9	-28.73	-29.12	3.2	1.9	-29.50	Comments:NO CHANGE,,,,,,
GW-14	12/7/21 11:00	19.9	15.7	13.3	51.1	63.6	63.6	-25.19	-25.19	0.0	0.0	-25.16	Comments:MINIMAL VACUUM SETTING,,,,,,
GW-14	12/7/21 11:00	19.9	15.7	13.3	51.1	63.6	63.6	-25.19	-25.19	0.0	0.0	-25.16	Comments:,,,,,,

Potrero Hills Landfill - Well Data - 08/01/2021 to 01/31/2022

Point Name	Record Date	CH4 [%]	CO2 [%]	O2 [%]	Bal Gas [%]	Init Temp [ ]	Adj Temp [ ]	Init Stat Press ["H2O]	Adj Stat Press ["H2O]	Init Flow [scfm]	Adj Flow [scfm]	Sys Pressure ["H2O]	Comments
GW-14	12/7/21 11:01	22.3	16.7	12.5	48.5	63.0	63.0	-25.14	-25.14	0.0	0.0	-25.02	Comments:MINIMAL VACUUM SETTING,,,,,,
GW-14	12/16/21 9:38	56.5	39.5	0.9	3.1	56.2	56.2	-32.85	-32.90	0.0	0.0	-34.30	Comments:,,,,,,
GW-14	1/17/22 10:45	57.9	41.8	0.3	0.0	57.6	57.7	-29.72	-29.72	0.0	0.0	-29.73	Comments:NO CHANGE,,,,,,
GW-15	8/4/21 10:18	11.7	10.0	13.8	64.5	76.8	76.9	-0.81	-0.81	2.3	2.4	-18.40	Comments:MINIMAL VACUUM SETTING,,,,,,
GW-15	8/4/21 10:20	11.7	10.1	14.3	63.9	76.9	76.9	-0.83	-0.82	2.4	2.5	-18.41	Comments:SECOND READING,,,,,,
GW-15	8/17/21 18:27	16.4	18.8	4.7	60.1	84.9	84.8	-0.42	-0.42	0.0	0.0	-18.53	Comments:MINIMAL VACUUM SETTING,,,,,,
GW-15	9/7/21 10:48	13.5	10.7	13.7	62.1	85.3	85.2	-2.28	-2.28	4.0	4.0	-13.08	Comments:MINIMAL VACUUM SETTING,,,,,,
GW-15	9/7/21 10:49	13.4	10.4	13.8	62.4	85.0	85.0	-1.73	-1.73	3.0	3.0	-12.91	Comments:MINIMAL VACUUM SETTING,,,,,,
GW-15	9/13/21 10:17	9.1	7.6	14.9	68.4	82.5	82.4	-1.89	-1.87	13.6	13.6	-18.83	Comments:INCREASED FLOW/VACUUM,,,,,,
GW-15	10/22/21 12:30	1.2	1.8	19.2	77.8	76.3	76.0	-0.74	-0.23	3.7	1.3	-21.19	Comments:DECREASED FLOW/VACUUM,AIR INTRUSION,,,,,,
GW-15	10/22/21 12:31	1.2	1.5	19.4	77.9	75.7	75.7	-0.29	-0.29	0.0	0.3	-21.23	Comments:SECOND READING,,,,,,
GW-15	11/15/21 13:49	45.8	34.6	0.0	19.6	64.6	64.6	-12.00	-12.01	0.0	0.0	-32.34	Comments:NO CHANGE,,,,,,
GW-15	12/7/21 11:08	22.6	22.2	4.0	51.2	67.5	67.5	-17.38	-17.41	1.5	1.6	-24.85	Comments:MINIMAL VACUUM SETTING,,,,,,
GW-15	1/17/22 10:50	51.4	33.1	0.4	15.1	58.6	58.6	-30.21	-30.21	0.0	0.0	-30.23	Comments:NO CHANGE,,,,,,
GW-16R	8/4/21 9:02	41.6	35.3	0.0	23.1	104.5	104.5	-1.40	-1.38	13.1	13.1	-20.05	Comments:NO CHANGE,,,,,,
GW-16R	9/7/21 12:44	37.1	32.6	0.0	30.3	109.1	108.9	-0.69	-0.58	13.3	6.9	-18.88	Comments:DECREASED FLOW/VACUUM,,,,,,
GW-16R	10/27/21 11:13	53.7	37.5	0.0	8.8	98.6	98.8	-0.57	-0.57	5.2	6.2	-14.20	Comments:NO CHANGE,,,,,,
GW-16R	11/15/21 13:18	52.0	38.4	0.0	9.6	102.2	102.9	-0.40	-0.43	9.2	13.3	-35.17	Comments:INCREASED FLOW/VACUUM,,,,,,
GW-16R	12/7/21 9:59	43.3	35.4	0.0	21.3	103.8	103.7	-1.43	-1.33	13.9	8.9	-34.18	Comments:DECREASED FLOW/VACUUM,,,,,,
GW-16R	1/31/22 12:25	58.4	41.4	0.2	0.0	98.9	99.3	-1.09	-1.10	6.8	6.7	-37.43	Comments:NO CHANGE,,,,,,
GW-17	8/4/21 10:29	59.4	38.9	0.0	1.7	79.5	79.5	-2.66	-2.65	29.2	29.2	-18.29	Comments:INCREASED FLOW/VACUUM,,,,,,
GW-17	9/7/21 10:52	56.6	37.8	0.1	5.5	81.9	81.9	-1.46	-1.64	25.2	30.2	-12.10	Comments:INCREASED FLOW/VACUUM,,,,,,
GW-17	10/22/21 12:39	51.1	37.1	0.3	11.5	80.8	80.8	-3.94	-3.94	38.2	38.2	-21.26	Comments:NO CHANGE,,,,,,
GW-17	11/15/21 13:56	44.6	35.3	0.0	20.1	79.3	79.2	-6.67	-6.66	17.4	0.0	-32.16	Comments:NO CHANGE,,,,,,
GW-17	12/7/21 11:11	39.8	32.0	0.1	28.1	79.8	79.8	-7.50	-6.29	38.6	19.3	-25.77	Comments:DECREASED FLOW/VACUUM,,,,,,
GW-17	1/17/22 11:02	59.2	40.8	0.0	0.0	69.9	69.9	-3.86	-3.86	25.0	25.2	-35.55	Comments:NO CHANGE,,,,,,
GW-18R	8/4/21 9:06	19.8	26.1	0.0	54.1	76.9	77.0	-0.35	-0.37	2.7	2.5	-19.63	Comments:NO CHANGE,,,,,,
GW-18R	9/7/21 11:28	27.2	28.1	0.0	44.7	85.6	85.5	-0.14	-0.11	2.6	4.6	-15.32	Comments:MINIMAL VACUUM SETTING,,,,,,
GW-18R	10/27/21 11:13	36.6	30.1	0.3	33.0	83.1	83.1	-0.24	-0.24	3.1	3.2	-20.63	Comments:NO CHANGE,,,,,,
GW-18R	11/15/21 13:22	35.6	31.0	0.0	33.4	79.1	79.6	-0.11	-0.13	8.6	8.7	-33.97	Comments:MINIMAL VACUUM SETTING,,,,,,
GW-18R	12/7/21 10:04	20.5	25.8	0.0	53.7	81.5	79.9	-0.67	-0.47	6.1	3.5	-32.56	Comments:DECREASED FLOW/VACUUM,MINIMAL VACUUM SETTING,,,,,
GW-18R	1/17/22 12:33	41.8	32.9	0.0	25.3	69.2	69.4	-0.03	-0.05	3.1	0.9	-35.95	Comments:NO CHANGE,,,,,,
GW-19	8/19/21 8:46	30.5	25.3	7.3	36.9	73.7	73.8	-0.98	-0.99	0.0	0.0	-0.99	Comments:DECREASED FLOW/VACUUM,,,,,,
GW-19	8/19/21 8:46	30.5	25.3	7.3	36.9	73.7	73.8	-0.98	-0.99	0.0	0.0	-0.99	Comments:,,,,,,
GW-19	8/19/21 8:47	30.4	25.3	7.0	37.3	74.0	74.2	-1.02	-0.99	0.0	0.0	-0.99	Comments:SECOND READING,,,,,,
GW-19	8/30/21 8:05	23.7	20.9	9.0	46.4	76.5	76.5	-0.43	-0.43	0.0	0.0	-17.55	Comments:MINIMAL VACUUM SETTING,,,,,,
GW-19	8/30/21 8:06	23.2	20.4	9.5	46.9	75.8	75.7	-0.37	-0.38	0.0	0.0	-17.12	Comments:SECOND READING,,,,,,
GW-19	9/20/21 8:03	36.0	28.9	4.8	30.3	83.4	83.4	-19.65	-19.69			-19.70	Comments:DECREASED FLOW/VACUUM,,,,,,
GW-19	10/22/21 12:45	3.8	15.5	12.8	67.9	61.3	61.4	-0.01	-0.01	0.0	0.0	-21.31	Comments:MINIMAL VACUUM SETTING,AIR INTRUSION,,,,,
GW-19	10/22/21 12:46	2.6	11.0	15.3	71.1	62.0	62.0	-0.01	-0.02	0.0	0.0	-21.44	Comments:MINIMAL VACUUM SETTING,SECOND READING,,,,,
GW-19	11/4/21 11:29	11.3	23.1	1.9	63.7	75.3	75.4	-0.76	-0.76	0.0	0.0	-29.20	Comments:NO CHANGE,,,,,,
GW-19	12/16/21 9:48	38.2	34.0	0.0	27.8	48.6	48.6	-2.77	-2.77	0.0	0.0	-33.80	Comments:,,,,,,
GW-19	1/31/22 12:48	59.8	39.1	0.3	0.8	81.5	81.5	-2.56	-2.56	0.0	0.0	-24.46	Comments:NO CHANGE,,,,,,
GW-23R	8/4/21 8:31	38.0	34.2	0.6	27.2	92.6	92.7	-7.45	-7.44	4.9	4.8	-20.41	Comments:NO CHANGE,,,,,,
GW-23R	9/7/21 12:38	36.6	29.8	0.2	33.4	102.6	102.6	-4.17	-3.97	5.0	2.5	-19.20	Comments:DECREASED FLOW/VACUUM,,,,,,
GW-23R	10/4/21 13:30	49.4	32.9	0.3	17.4	103.3	103.4	-1.53	-1.52	2.7	2.7	-20.90	Comments:,,,,,,
GW-23R	11/15/21 13:23	43.4	34.9	0.0	21.7	83.7	83.7	-3.41	-3.41	4.4	4.5	-36.06	Comments:NO CHANGE,,,,,,
GW-23R	12/7/21 9:50	41.9	33.5	0.0	24.6	83.9	83.7	-3.99	-3.97	0.0	0.0	-35.13	Comments:,,,,,,
GW-23R	1/17/22 12:24	59.3	40.5	0.1	0.1	75.0	75.5	-2.08	-2.07	0.0	0.0	-37.22	Comments:NO CHANGE,,,,,,
GW-25R	8/4/21 8:42	55.2	39.2	0.0	5.6	89.2	89.3	-1.18	-1.17	8.7	8.7	-20.05	Comments:INCREASED FLOW/VACUUM,,,,,,
GW-25R	9/7/21 12:31	47.4	36.7	0.0	15.9	94.3	94.3	-0.46	-0.45	7.3	7.3	-19.14	Comments:DECREASED FLOW/VACUUM,,,,,,
GW-25R	10/4/21 13:27	53.5	36.2	0.0	10.3	94.0	94.1	-0.21	-0.24	11.4	11.4	-21.91	Comments:INCREASED FLOW/VACUUM,,,,,,
GW-25R	11/15/21 13:13	36.8	34.9	0.0	28.3	87.5	87.5	-0.59	-0.59	3.5	3.9	-36.54	Comments:DECREASED FLOW/VACUUM,,,,,,
GW-25R	12/7/21 9:54	37.6	30.4	0.0	32.0	72.2	73.0	-0.57	-0.53	2.5	1.3	-34.79	Comments:,,,,,,
GW-25R	1/17/22 12:31	51.1	37.5	0.0	11.4	67.9	68.1	-0.15	-0.16	0.0	0.0	-37.37	Comments:NO CHANGE,,,,,,
GW-28	8/4/21 10:33	53.5	36.6	0.0	9.9	77.7	77.8	-1.96	-1.96	5.0	5.0	-18.44	Comments:INCREASED FLOW/VACUUM,,,,,,
GW-28	9/7/21 10:55	46.0	34.1	0.0	19.9	82.4	82.7	-1.31	-1.22	4.7	4.3	-11.03	Comments:DECREASED FLOW/VACUUM,,,,,,
GW-28	10/22/21 12:43	55.3	36.6	0.0	8.1	75.5	76.4	-0.91	-1.04	0.0	3.1	-21.42	Comments:INCREASED FLOW/VACUUM,,,,,,
GW-28	11/15/21 13:59	44.1	35.1	0.0	20.8	74.7	74.7	-2.06	-2.07	0.0	0.0	-32.69	Comments:NO CHANGE,,,,,,

Potrero Hills Landfill - Well Data - 08/01/2021 to 01/31/2022

Point Name	Record Date	CH4 [%]	CO2 [%]	O2 [%]	Bal Gas [%]	Init Temp [ ]	Adj Temp [ ]	Init Stat Press ["H2O]	Adj Stat Press ["H2O]	Init Flow [scfm]	Adj Flow [scfm]	Sys Pressure ["H2O]	Comments
GW-28	12/7/21 11:14	38.5	32.1	0.0	29.4	77.0	77.0	-2.11	-1.97	3.3	0.0	-26.01	Comments:DECREASED FLOW/VACUUM,MINIMAL VACUUM SETTING,,,,,,
GW-28	1/17/22 11:04	53.5	37.1	0.0	9.4	64.4	64.4	-1.16	-1.17	0.0	0.0	-35.13	Comments:NO CHANGE,,,,,,,
HC-14-03	8/2/21 13:06	54.5	41.3	0.0	4.2	121.8	122.0	-1.12	-1.20	10.5	14.3	-11.07	Comments:INCREASED FLOW/VACUUM,,,,,,,
HC-14-03	9/13/21 9:30	44.2	38.6	0.0	17.2	122.1	122.1	-1.68	-1.44	13.0	8.2	-10.30	Comments:DECREASED FLOW/VACUUM,,,,,,,
HC-14-03	10/4/21 9:59	50.0	38.2	0.0	11.8	121.2	121.3	-1.16	-1.15	9.4	9.4	-13.62	Comments:,,,,,,,
HC-14-03	11/15/21 12:50	47.9	38.3	0.0	13.8	120.9	121.1	-1.56	-1.51	12.9	9.9	-28.59	Comments:DECREASED FLOW/VACUUM,,,,,,,
HC-14-03	12/21/21 11:29	47.8	38.6	0.0	13.6	118.7	118.6	-1.28	-1.20	9.3	7.3	-24.09	Comments:DECREASED FLOW/VACUUM,,,,,,,
HC-14-03	1/25/22 14:25	55.6	41.0	0.0	3.4	122.1	122.6	-0.33	-0.45	7.4	11.4	-28.16	Comments:INCREASED FLOW/VACUUM,,,,,,,
HC-14-05	8/2/21 11:38	37.3	34.0	0.0	28.7	86.3	86.3	-0.71	-0.71	0.0	0.0	-10.86	Comments:INCREASED FLOW/VACUUM,SURGING LIQUID IN HEADER ,,,,,,
HC-14-05	9/13/21 10:24	33.2	32.1	0.5	34.2	120.1	120.2	-0.55	-0.11	0.0	0.0	-10.64	Comments:,,,,,,,
HC-14-05	10/4/21 11:04	22.3	24.8	1.0	51.9	119.3	119.4	-0.16	-0.16	1.3	1.3	-8.00	Comments:MINIMAL VACUUM SETTING,,,,,,,
HC-14-05	11/15/21 11:54	6.7	17.3	2.2	73.8	118.1	112.4	-2.54	-1.23	3.3	1.6	-18.99	Comments:DECREASED FLOW/VACUUM,,,,,,,
HC-14-05	12/21/21 12:26	39.5	38.3	0.1	22.1	56.0	56.3	-0.15	-0.14	0.7	0.7	-16.61	Comments:,,,,,,,
HC-14-05	1/25/22 9:25	56.1	42.9	0.9	0.1	78.8	79.2	-0.27	-0.27	3.9	4.7	-23.11	Comments:NO CHANGE,,,,,,,
HC-14-05	1/25/22 13:47	29.3	26.0	0.7	44.0	102.4	102.6	-0.19	-0.19	1.5	1.5	-26.84	Comments:MINIMAL VACUUM SETTING,,,,,,,
HC-14-06	8/19/21 11:58	53.8	45.3	0.9	0.0	127.2	127.6	-1.72	-1.68	0.0	0.0	-11.73	Comments:INCREASED FLOW/VACUUM,,,,,,,
HC-14-06	9/13/21 11:40	57.2	40.2	0.0	2.6	136.1	136.4	-0.46	-1.00	0.0	0.0	-10.39	Comments:INCREASED FLOW/VACUUM,,,,,,,
HC-14-06	9/13/21 11:41	57.1	41.9	0.0	1.0	136.5	136.6	-2.79	-2.80	0.0	0.0	-10.29	Comments:,,,,,,,
HC-14-06	9/20/21 10:15	58.3	41.2	0.0	0.5	130.5	130.4	-4.58	-4.58	37.5	37.5	-10.40	Comments:INCREASED FLOW/VACUUM,,,,,,,
HC-14-06	10/4/21 11:10	57.7	40.1	0.0	2.2	135.9	136.1	-4.54	-5.15	24.3	36.1	-10.06	Comments:INCREASED FLOW/VACUUM,,,,,,,
HC-14-06	10/4/21 11:11	57.7	40.9	0.0	1.4	136.4	136.3	-6.81	-6.80	30.1	30.1	-10.15	Comments:,,,,,,,
HC-14-06	10/13/21 12:17	57.5	42.5	0.0	0.0	135.7	135.7	-5.30	-5.31	25.9	26.0	-7.90	Comments:,,,,,,,
HC-14-06	10/13/21 12:18	57.6	42.4	0.0	0.0	135.7	135.7	-5.59	-5.60	27.0	27.0	-8.35	Comments:,,,,,,,
HC-14-06	10/22/21 11:14	56.8	43.2	0.0	0.0	136.5	135.2	-7.80	-0.46	24.6	13.8	-9.28	Comments:INCREASED FLOW/VACUUM,,,,,,,
HC-14-06	10/22/21 11:30	56.6	43.4	0.0	0.0	135.1	135.3	-0.52	-0.53	16.7	16.7	-9.59	Comments:SECOND READING,,,,,,,
HC-14-06	11/22/21 13:08	57.4	42.6	0.0	0.0	137.6	137.7	-1.67	-1.85	22.7	24.1	-17.89	Comments:INCREASED FLOW/VACUUM,,,,,,,
HC-14-06	11/22/21 13:10	57.5	42.5	0.0	0.0	137.5	137.5	-2.21	-2.20	23.6	23.6	-17.88	Comments:NO CHANGE,SECOND READING,,,,,,
HC-14-06	12/21/21 13:08	57.0	43.0	0.0	0.0	135.1	135.1	-0.71	-0.71	0.0	0.0	-0.71	Comments:VALVE FULL OPEN,,,,,,,
HC-14-06	1/25/22 12:57	56.6	42.8	0.0	0.6	138.7	138.7	-27.03	-27.00	41.8	34.8	-28.86	Comments:,,,,,,,
HC-14-06	1/25/22 12:58	56.3	43.7	0.0	0.0	138.3	138.3	-23.09	-23.00	29.0	24.1	-28.52	Comments:DECREASED FLOW/VACUUM,,,,,,,
HC-14-07	8/2/21 11:19	57.4	42.6	0.0	0.0	78.8	79.0	-11.99	-11.98	0.0	0.0	-10.86	Comments:VALVE FULL OPEN,,,,,,,
HC-14-07	9/13/21 11:54	53.9	42.0	0.0	4.1	96.5	96.7	-11.02	-10.99	1.8	1.7	-10.87	Comments:VALVE FULL OPEN,,,,,,,
HC-14-07	10/4/21 11:22	46.8	36.0	2.5	14.7	84.5	86.1	-10.33	-10.42	0.0	0.0	-10.71	Comments:DECREASED FLOW/VACUUM,,,,,,,
HC-14-07	11/10/21 14:13	55.5	41.8	0.4	2.3	76.8	76.9	-14.77	-14.77	5.5	5.3	-14.72	Comments:,,,,,,,
HC-14-07	12/28/21 12:44	54.8	42.6	0.5	2.1	53.2	53.3	-23.78	-23.78	3.4	3.8	-23.66	Comments:VALVE FULL OPEN,,,,,,,
HC-14-07	1/4/22 11:47	54.1	42.9	0.6	2.4	63.9	64.0	-20.13	-20.13	1.8	1.4	-19.44	Comments:,,,,,,,
HC-1501	8/10/21 10:31	56.0	44.0	0.0	0.0	82.8	82.9	-1.29	-1.29	5.4	5.4	-13.44	Comments:INCREASED FLOW/VACUUM,,,,,,,
HC-1501	9/20/21 9:35	53.4	43.8	0.0	2.8	79.3	79.9	-1.26	-1.28	0.0	0.0	-13.22	Comments:INCREASED FLOW/VACUUM,,,,,,,
HC-1501	10/27/21 10:01	49.7	42.4	0.0	7.9	75.8	75.9	-2.86	-2.86	7.9	7.9	-20.04	Comments:NO CHANGE,,,,,,,
HC-1501	11/22/21 11:03	53.6	43.9	0.0	2.5	80.1	79.8	-2.62	-2.63	9.4	9.4	-20.85	Comments:NO CHANGE,,,,,,,
HC-1501	12/21/21 9:43	53.2	43.5	0.0	3.3	128.5	128.5	-3.12	-3.12	10.0	10.0	-24.45	Comments:,,,,,,,
HC-1501	1/4/22 12:29	55.1	44.9	0.0	0.0	129.8	129.8	-2.74	-2.74	9.5	9.5	-22.11	Comments:,,,,,,,
HC-1502	8/10/21 10:36	57.6	41.8	0.0	0.6	122.6	122.8	-0.42	-0.44	0.0	0.0	-13.02	Comments:INCREASED FLOW/VACUUM,,,,,,,
HC-1502	9/20/21 9:31	52.6	41.5	0.0	5.9	79.3	78.9	-0.38	-0.34	10.9	10.8	-11.71	Comments:MINIMAL VACUUM SETTING,,,,,,,
HC-1502	10/27/21 10:14	47.4	40.9	0.0	11.7	120.6	120.7	-0.72	-0.72	0.0	0.0	-17.29	Comments:NO CHANGE,,,,,,,
HC-1502	11/22/21 11:15	39.2	38.8	0.0	22.0	121.1	121.1	-0.45	-0.45	0.8	0.5	-20.98	Comments:NO CHANGE,MINIMAL VACUUM SETTING,,,,,,
HC-1502	12/21/21 9:49	31.6	34.6	0.0	33.8	114.6	115.1	-1.02	-1.02	0.0	0.0	-25.10	Comments:MINIMAL VACUUM SETTING,,,,,,,
HC-1502	1/4/22 12:35	47.9	42.3	0.0	9.8	117.1	117.1	-0.36	-0.37	0.0	0.0	-22.07	Comments:,,,,,,,
HC-15-03	10/27/21 13:15	52.7	43.0	0.2	4.1	78.3	75.7	-5.98	-4.91	0.0	0.0	-4.91	Comments:NO CHANGE,,,,,,,
HC-15-03	12/21/21 9:55	0.8	3.5	19.8	75.9	46.2	46.2	-18.35	-18.33	0.0	0.0	-18.01	Comments:MINIMAL VACUUM SETTING,,,,,,,
HC-15-03	12/21/21 9:57	0.1	0.6	21.4	77.9	45.9	45.9	-18.54	-18.54	0.0	0.0	-18.60	Comments:MINIMAL VACUUM SETTING,,,,,,,
HC-15-03	1/4/22 10:28	0.4	6.2	19.9	73.5	56.2	56.2	-21.29	-21.31	0.0	0.0	-21.31	Comments:MINIMAL VACUUM SETTING,,,,,,,
HC-15-03	1/4/22 10:29	0.2	2.8	20.7	76.3	56.3	56.3	-21.70	-21.17	5.4	5.5	-21.19	Comments:MINIMAL VACUUM SETTING,,,,,,,
HC-15-04	8/10/21 10:49	52.8	47.2	0.0	0.0	86.2	86.2	-0.65	-0.69	24.5	25.8		Comments:NO CHANGE,,,,,,,
HC-15-04	9/20/21 9:14	53.0	46.4	0.0	0.6	85.8	85.8	-0.31	-0.30	24.8	24.9	-0.28	Comments:NO CHANGE,,,,,,,
HC-15-04	10/4/21 10:35	53.0	47.0	0.0	0.0	85.8	85.8	-0.49	-0.45	38.2	38.2	-0.43	Comments:NO CHANGE,,,,,,,
HC-15-04	11/10/21 12:17	53.0	44.6	0.0	2.4	72.1	72.0	-0.61	-0.57	0.0	0.0	-0.54	Comments:,,,,,,,
HC-15-04	12/28/21 11:30	37.3	36.1	4.8	21.8	43.2	43.2	-23.23	-23.75	0.0	0.0	-23.75	Comments:,,,,,,,

Potrero Hills Landfill - Well Data - 08/01/2021 to 01/31/2022

Point Name	Record Date	CH4 [%]	CO2 [%]	O2 [%]	Bal Gas [%]	Init Temp [ ]	Adj Temp [ ]	Init Stat Press ["H2O]	Adj Stat Press ["H2O]	Init Flow [scfm]	Adj Flow [scfm]	Sys Pressure ["H2O]	Comments
HC-15-04	1/4/22 10:17	45.0	40.6	2.9	11.5	56.5	56.5	-20.44	-20.44	6.9	6.6	-20.11	Comments:,,,,,,,
HC-15-07	8/2/21 10:12	50.8	39.5	2.4	7.3	70.7	70.7	-3.76	-3.75	3.7	3.6		Comments:INCREASED FLOW/VACUUM,,,,,,,
HC-15-07	9/13/21 13:20	53.1	43.0	0.0	3.9	95.6	95.7	-5.99	-5.99	4.5	4.2		Comments:SURGING,SURGING LIQUID IN HEADER ,SURGING LIQUID IN WELL ,,,,,
HC-15-07	10/4/21 12:04	18.6	14.2	13.2	54.0	85.6	85.5	-6.82	-6.85	0.0	0.0	-6.86	Comments:INCREASED FLOW/VACUUM,,,,,,,
HC-15-07	10/4/21 12:04	18.0	14.1	13.3	54.6	84.9	84.8	-7.60	-7.06	0.0	0.0	-7.04	Comments:SECOND READING,,,,,,,
HC-15-07	10/13/21 12:29	55.2	44.8	0.0	0.0	70.8	70.8	-5.73	-5.70	2.3	2.1	-5.51	Comments:,,,,,,,
HC-15-07	11/10/21 13:54	55.1	42.4	0.1	2.4	72.7	73.3	-11.20	-11.23	0.0	0.5	-11.11	Comments:,,,,,,,
HC-15-07	12/28/21 12:09	17.9	13.6	15.4	53.1	46.4	46.4	-1.03	-1.02	0.0	0.0	-0.76	Comments:,,,,,,,
HC-15-07	12/28/21 12:10	12.4	9.9	17.9	59.8	46.1	46.1	-0.84	-0.85	0.0	0.0	-0.86	Comments:,,,,,,,
HC-15-07	1/4/22 11:32	2.5	12.0	18.4	67.1	57.6	57.6	-0.29	-0.27	1.3	1.4	-0.26	Comments:,,,,,,,
HC-15-07	1/4/22 11:33	1.8	6.7	19.8	71.7	57.7	57.7	-0.23	-0.22	1.1	1.3	-0.22	Comments:,,,,,,,
LCRS-01	8/19/21 12:27	1.1	1.3	15.8	81.8	88.4	88.5	-13.52	-13.51	0.0	0.0	-13.51	Comments:DECREASED FLOW/VACUUM,,,,,,,
LCRS-01	8/19/21 12:27	1.0	1.4	15.7	81.9	88.9	88.9	-13.61	-13.60	0.0	0.0	-13.59	Comments:SECOND READING,,,,,,,
LCRS-01	9/20/21 11:09	2.3	3.2	16.0	78.5	94.8	94.8	-13.24	-13.26	27.8	28.2	-13.25	Comments:DECREASED FLOW/VACUUM,,,,,,,
LCRS-01	9/20/21 11:10	1.3	2.1	17.9	78.7	93.0	93.0	-13.16	-13.16	28.1	28.1	-13.15	Comments:SECOND READING,,,,,,,
LCRS-01	10/4/21 12:33	2.9	3.0	17.1	77.0	94.9	96.0	-12.17	-12.14	0.0	0.0	-12.15	Comments:NO CHANGE,,,,,,,
LCRS-01	10/4/21 12:33	2.7	3.1	17.8	76.4	97.9	97.9	-12.49	-12.49	0.0	0.0	-12.49	Comments:SECOND READING,,,,,,,
LCRS-01	11/15/21 11:34	1.1	2.0	19.1	77.8	55.4	55.4	-13.86	-13.87	0.0	0.0	-20.18	Comments:DECREASED FLOW/VACUUM,,,,,,,
LCRS-01	11/15/21 11:35	1.8	2.5	19.0	76.7	56.0	56.1	-10.43	-10.44	0.0	0.0	-17.74	Comments:SECOND READING,,,,,,,
LCRS-01	11/22/21 11:32	10.7	14.6	14.1	60.6	66.6	66.6	-20.31	-20.30	4.1	3.9	-20.23	Comments:,,,,,,,
LCRS-01	11/22/21 11:33	1.6	2.6	19.2	76.6	66.5	66.5	-20.22	-20.21	3.8	3.8	-20.21	Comments:,,,,,,,
LCRS-01	11/30/21 11:50	22.1	15.3	13.0	49.6	70.1	70.8	-19.25	-19.19	0.0	0.0	-19.19	Comments:,,,,,,,
LCRS-01	12/16/21 10:05	56.9	42.9	0.1	0.1	80.4	83.2	-25.81	-25.84	2.9	5.6	-24.92	Comments:INCREASED FLOW/VACUUM,VALVE FULL OPEN,,,,,,
LCRS-01	1/25/22 10:22	20.8	15.7	12.6	50.9	62.4	62.5	-23.28	-21.86	5.6	5.7	-23.48	Comments:VALVE FULL OPEN,,,,,,,
LCRS-02	8/10/21 12:14	20.6	10.8	11.2	57.4	103.1	103.7	-9.65	-9.76	0.0	0.0	-10.10	Comments:DECREASED FLOW/VACUUM,,,,,,,
LCRS-02	9/20/21 10:55	56.9	38.3	0.0	4.8	91.4	91.6	-10.66	-10.27	0.0	29.8	-10.29	Comments:NO CHANGE,,,,,,,
LCRS-02	10/27/21 9:32	43.5	30.2	4.7	21.6	62.1	61.2	-12.86	-11.88	0.0	0.0	-17.57	Comments:DECREASED FLOW/VACUUM,,,,,,,
LCRS-02	11/22/21 10:47	0.8	1.0	20.1	78.1	60.8	60.8	-12.86	-12.85	2.9	2.5	-17.28	Comments:NO CHANGE,MINIMAL VACUUM SETTING,,,,,,
LCRS-02	11/22/21 10:50	1.9	1.7	19.8	76.6	60.2	60.1	-12.84	-12.81	3.0	2.7	-17.24	Comments:NO CHANGE,SECOND READING,,,,,,
LCRS-02	12/7/21 13:47	2.3	3.5	19.4	74.8	61.6	61.6	-4.19	-4.19	0.0	0.0	-10.44	Comments:,,,,,,,
LCRS-02	12/7/21 13:47	2.5	2.9	19.5	75.1	63.8	64.0	-6.16	-6.19	0.0	1.7	-20.16	Comments:MINIMAL VACUUM SETTING,,,,,,,
LCRS-02	1/25/22 10:30	43.7	30.7	4.9	20.7	52.5	52.5	-14.90	-14.88	0.0	0.0	-26.94	Comments:MINIMAL VACUUM SETTING,,,,,,,
LCRS-04	8/10/21 12:17	60.3	38.4	1.3	0.0	110.9	110.9	-3.19	-3.20	11.5	11.4	-13.38	Comments:INCREASED FLOW/VACUUM,,,,,,,
LCRS-04	9/20/21 10:57	56.4	38.4	0.0	5.2	92.3	92.2	-4.04	-4.01	32.8	32.7	-15.88	Comments:VALVE FULL OPEN,,,,,,,
LCRS-04	10/27/21 9:36	60.3	38.2	0.3	1.2	86.8	86.7	-5.06	-5.57	15.0	15.5	-16.51	Comments:INCREASED FLOW/VACUUM,,,,,,,
LCRS-04	11/22/21 10:44	61.0	39.0	0.0	0.0	87.3	87.3	-8.62	-9.37	18.3	20.3	-24.22	Comments:INCREASED FLOW/VACUUM,,,,,,,
LCRS-04	12/7/21 13:44	56.5	35.9	0.4	7.2	89.5	89.5	-7.35	-7.31	17.4	17.4	-20.20	Comments:VALVE FULL OPEN,,,,,,,
LCRS-04	1/25/22 10:32	58.5	37.9	0.5	3.1	88.0	88.0	-10.13	-10.12	21.1	19.6	-26.92	Comments:VALVE FULL OPEN,,,,,,,
LCRS-05	8/10/21 8:41	58.5	41.4	0.0	0.1	94.3	94.5	-6.46	-6.43		156.7		Comments:INCREASED FLOW/VACUUM,,,,,,,
LCRS-05	9/20/21 8:41	57.5	42.5	0.0	0.0	86.1	86.1	-6.58	-6.61	146.4	149.2		Comments:VALVE FULL OPEN,,,,,,,
LCRS-05	10/27/21 10:07	58.9	41.1	0.0	0.0	67.9	68.9	-22.34	-23.31	162.6	57.3		Comments:,,,,,,,
LCRS-05	11/15/21 14:23	57.0	43.0	0.0	0.0	64.8	64.9	-11.81	-11.76	180.8	158.9		Comments:NO CHANGE,,,,,,,
LCRS-05	12/7/21 12:39	58.8	41.2	0.0	0.0	91.9	91.9	-9.27	-9.24				Comments:,,,,,,,
LCRS-05	12/7/21 12:43	57.6	40.9	0.3	1.2	90.4	91.4	-12.42	-12.40				Comments:,,,,,,,
LCRS-05	1/31/22 10:32	65.0	33.5	1.5	0.0	60.3	60.4	-10.18	-9.79	167.0	204.1		Comments:NO CHANGE,,,,,,,
LCRS-06	8/10/21 8:48	59.2	40.8	0.0	0.0	97.0	97.0	-6.49	-6.40		157.2		Comments:INCREASED FLOW/VACUUM,,,,,,,
LCRS-06	9/20/21 8:15	60.2	39.8	0.0	0.0	97.1	97.2	-6.64	-6.60	145.8	146.0		Comments:VALVE FULL OPEN,,,,,,,
LCRS-06	10/27/21 10:01	60.1	38.6	1.3	0.0	66.2	66.3	-26.82	-26.80				Comments:NO CHANGE,,,,,,,
LCRS-06	11/15/21 14:28	59.1	40.9	0.0	0.0	66.2	66.2	-10.28	-10.73	61.0	47.0		Comments:NO CHANGE,,,,,,,
LCRS-06	12/7/21 12:49	59.7	39.3	0.0	1.0	97.7	97.6	-8.76	-11.96	192.4			Comments:,,,,,,,
LCRS-06	1/31/22 11:11	57.4	42.4	0.2	0.0	98.1	98.1	-16.49	-16.51	90.2	87.7		Comments:NO CHANGE,,,,,,,
LCRS-07	8/10/21 9:10	60.0	40.0	0.0	0.0	98.5	98.7	-6.12	-6.13		85.7		Comments:VALVE FULL OPEN,,,,,,,
LCRS-07	9/20/21 8:18	60.3	39.7	0.0	0.0	99.0	99.0	-6.37	-6.33				Comments:VALVE FULL OPEN,,,,,,,
LCRS-07	10/27/21 9:56	60.4	39.6	0.0	0.0	98.1	98.1	-9.28	-9.28		168.9		Comments:NO CHANGE,,,,,,,
LCRS-07	11/15/21 14:32	60.1	39.9	0.0	0.0	68.6	69.9	-8.98	-11.16	198.5	142.6		Comments:,,,,,,,
LCRS-07	12/7/21 12:53	58.6	38.2	0.0	3.2	99.7	99.7	-8.66	-8.64				Comments:,,,,,,,
LCRS-07	1/31/22 11:14	58.3	40.6	0.1	1.0	98.9	99.0	-12.60	-12.60	53.7	53.6		Comments:NO CHANGE,,,,,,,
LCRS-08	8/10/21 9:17	58.5	38.3	0.0	3.2	92.2	92.2	-3.12	-3.14		109.6		Comments:INCREASED FLOW/VACUUM,,,,,,,

Potrero Hills Landfill - Well Data - 08/01/2021 to 01/31/2022

Point Name	Record Date	CH4 [%]	CO2 [%]	O2 [%]	Bal Gas [%]	Init Temp [ ]	Adj Temp [ ]	Init Stat Press ["H2O]	Adj Stat Press ["H2O]	Init Flow [scfm]	Adj Flow [scfm]	Sys Pressure ["H2O]	Comments
LCRS-08	9/20/21 8:28	58.2	39.3	0.0	2.5	93.4	93.4	-3.20	-3.17				Comments:VALVE FULL OPEN,,,,,,,
LCRS-08	10/27/21 9:49	50.8	35.4	0.4	13.4	91.5	91.4	-4.07	-4.06	23.4	68.4		Comments:NO CHANGE,,,,,,,
LCRS-08	11/15/21 14:39	43.9	32.2	1.8	22.1	70.6	70.8	-6.02	-6.00	159.3	156.0		Comments:NO CHANGE,,,,,,,
LCRS-08	12/7/21 13:09	33.4	27.8	0.2	38.6	94.5	94.2	-4.73	-2.16	15.3	6.1		Comments:,,,,,,,
LCRS-08	1/31/22 11:25	38.6	33.8	1.4	26.2	91.1	91.1	-4.97	-4.99	30.0	30.0		Comments:NO CHANGE,,,,,,,
LCRS-09	8/19/21 9:09	60.7	37.6	1.7	0.0	68.1	68.1	-5.74	-5.73	0.0	0.0		Comments:INCREASED FLOW/VACUUM,,,,,,,
LCRS-09	9/20/21 8:33	45.0	34.5	2.3	18.2	85.4	85.4	-5.59	-5.58	0.0	0.0		Comments:NO CHANGE,,,,,,,
LCRS-09	10/27/21 9:41	38.7	28.9	4.9	27.5	64.2	64.5	-8.34	-8.34	0.0	0.0		Comments:NO CHANGE,,,,,,,
LCRS-09	11/15/21 14:47	38.7	27.9	5.1	28.3	73.6	73.6	-11.28	-11.70	0.0	0.0		Comments:DECREASED FLOW/VACUUM,,,,,,,
LCRS-09	11/15/21 14:47	38.5	28.0	5.1	28.4	73.8	73.8	-10.03	-11.76	0.0	0.0		Comments:SECOND READING,,,,,,,
LCRS-09	11/22/21 12:33	41.5	29.2	4.6	24.7	68.0	68.2	-2.57	-2.54	0.0	0.0		Comments:,,,,,,,
LCRS-09	12/7/21 13:13	54.9	35.4	0.4	9.3	67.9	67.3	-1.15	-2.13	0.0	0.0		Comments:INCREASED FLOW/VACUUM,,,,,,,
LCRS-09	1/31/22 11:36	19.3	38.7	0.8	41.2	57.8	57.9	-13.78	-13.74	0.0	0.0		Comments:NO CHANGE,,,,,,,
LCR-S10	8/19/21 9:25	0.3	3.4	12.5	83.8	73.2	73.2	-0.22	-0.21	0.0	0.0		Comments:,,,,,,,
LCR-S10	8/19/21 9:25	0.3	2.6	15.6	81.5	73.6	73.6	-0.21	-0.21	0.0	0.0		Comments:,,,,,,,
LCR-S10	9/20/21 11:52	0.3	2.0	17.1	80.6	94.0	94.0	1.01	1.01	0.0	0.0		Comments:,,,,,,,
LCR-S10	9/20/21 11:53	0.3	2.0	17.1	80.6	94.0	94.0	1.01	1.01	0.0	0.0		Comments:,,,,,,,
LCR-S10	9/20/21 11:53	0.3	1.9	18.2	79.6	93.3	93.3	0.27	0.24	0.0	0.0		Comments:,,,,,,,
LCR-S10	11/22/21 12:31	0.0	0.3	20.4	79.3	71.6	71.6	-0.82	-0.81	0.0	0.0		Comments:NO CHANGE,MINIMAL VACUUM SETTING,SAMPLE PORT/CAP DAMAGED/MISSING,,,,,
LCR-S10	11/22/21 12:32	0.0	0.3	20.4	79.3	71.1	71.1	-0.76	-0.76	0.0	0.0		Comments:NO CHANGE,MINIMAL VACUUM SETTING,SECOND READING,,,,,
LCR-S10	12/7/21 13:22	0.1	1.2	20.6	78.1	72.6	72.8	-0.67	-0.65	0.0	0.0		Comments:,,,,,,,
LCR-S10	12/7/21 13:22	0.1	1.2	20.6	78.1	72.6	72.8	-0.67	-0.65	0.0	0.0		Comments:,,,,,,,
LCR-S10	12/7/21 13:23	0.0	0.8	20.8	78.4	73.9	74.0	-0.79	-0.75	0.0	0.0		Comments:,,,,,,,
LCR-S10	1/31/22 11:48	0.0	0.4	21.0	78.6	68.6	69.1	-3.35	-3.33	0.0	0.0		Comments:DECREASED FLOW/VACUUM,,,,,,,
LCR-S10	1/31/22 11:49	0.0	0.3	21.2	78.5	71.4	71.8	-3.08	-2.46	0.0	0.0		Comments:SECOND READING,,,,,,,
PHHZ1901	12/28/21 13:37	59.6	40.0	0.5		73.0	72.8	-1.38	-1.33	0.0	0.0	-32.99	Comments:,,,,,,,
PHHZ1902	12/28/21 13:26	55.0	45.0	0.0	0.0	74.7	76.7	-0.56	-1.00	0.0	0.0	-32.96	Comments:,,,,,,,
PHHZ1903	8/19/21 9:46	59.7	40.2	0.0	0.1	94.6	95.1	-9.13	-9.13	0.0	0.0		Comments:,,,,,,,
PHHZ1903	9/7/21 11:45	56.5	40.5	0.0	3.0	97.9	98.0	-7.22	-7.22	0.0	0.0		Comments:,,,,,,,
PHHZ1903	10/4/21 13:06	58.1	40.2	0.0	1.7	100.3	100.6	-7.56	-7.54	69.5	69.5	-14.13	Comments:,,,,,,,
PHHZ1903	11/15/21 12:56	56.7	43.3	0.0	0.0	98.5	98.5	-12.02	-12.02	0.0	34.5	-26.70	Comments:NO CHANGE,,,,,,,
PHHZ1903	12/16/21 13:11	57.1	42.9	0.0	0.0	97.4	97.5	-9.91	-9.90	85.5	85.9	-20.38	Comments:VALVE FULL OPEN,,,,,,,
PHHZ1903	1/31/22 12:16	55.6	44.2	0.3		100.6	100.6	-11.26	-11.26	65.8	65.8	-19.75	Comments:NO CHANGE,,,,,,,
PHHZ1904	8/2/21 10:03	56.8	43.2	0.0	0.0	102.6	102.7	-14.67	-12.96	0.0	0.0		Comments:,,,,,,,
PHHZ1904	9/7/21 11:57	56.8	41.1	0.0	2.1	104.7	104.7	-12.69	-12.67	0.0	0.0		Comments:,,,,,,,
PHHZ1904	10/4/21 9:31	58.9	40.1	0.0	1.0	104.1	104.1	-14.55	-14.55	57.0	57.0	-18.86	Comments:,,,,,,,
PHHZ1904	11/15/21 9:46	54.2	42.4	0.0	3.4	127.8	127.8	-5.99	-5.99	24.2	24.2	-6.00	Comments:NO CHANGE,,,,,,,
PHHZ1904	12/16/21 12:57	16.5	15.8	13.1	54.6	61.5	60.6	-27.44	-27.30	4.9	2.7	-27.30	Comments:DECREASED FLOW/VACUUM,,,,,,,
PHHZ1904	12/16/21 12:58	1.5	3.7	19.8	75.0	59.2	59.2	-26.97	-26.97	2.4	2.4	-26.96	Comments:MINIMAL VACUUM SETTING,,,,,,,
PHHZ1904	12/21/21 11:21	54.2	45.6	0.0	0.2	93.8	93.8	-13.50	-12.64	0.0	0.0	-32.68	Comments:,,,,,,,
PHHZ1904	1/25/22 9:36	38.1	33.3	6.3	22.3	60.0	60.1	-9.46	-9.46	0.0	0.0	-9.46	Comments:DECREASED FLOW/VACUUM,,,,,,,
PHHZ1904	1/25/22 9:36	45.4	39.3	3.3	12.0	60.6	60.6	-10.67	-9.56	0.0	0.0	-9.56	Comments:SECOND READING,,,,,,,
PHHZ2001	12/28/21 13:31	54.6	45.4	0.0	0.0	73.1	73.3	-1.00	-1.03	0.0	0.0	-32.79	Comments:,,,,,,,
PHHZ2002	12/28/21 13:23	60.7	39.3	0.0	0.0	77.0	77.4	-0.86	-1.05	0.0	0.0	-33.55	Comments:,,,,,,,
PHHZ2003	8/19/21 9:48	58.0	38.5	0.0	3.5	100.6	100.7	-6.80	-6.81	0.0	0.0		Comments:,,,,,,,
PHHZ2003	9/7/21 11:42	52.5	36.4	0.0	11.1	102.6	102.6	-5.32	-5.33	0.0	0.0		Comments:,,,,,,,
PHHZ2003	10/4/21 13:03	53.2	35.4	0.2	11.2	103.4	103.5	-6.50	-6.55			-14.24	Comments:,,,,,,,
PHHZ2003	11/15/21 12:58	44.7	35.5	0.0	19.8	102.2	102.2	-11.65	-11.65	0.0	0.0	-11.65	Comments:NO CHANGE,,,,,,,
PHHZ2003	12/16/21 13:14	38.6	33.4	0.0	28.0	102.8	102.6	-10.17	-8.70	66.7	37.2	-21.77	Comments:DECREASED FLOW/VACUUM,,,,,,,
PHHZ2003	1/31/22 12:18	49.3	36.6	0.0	14.1	103.4	103.5	-6.67	-6.67	26.5	26.5	-19.36	Comments:NO CHANGE,,,,,,,
PHHZ2004	8/2/21 10:01	49.6	39.1	0.0	11.3	100.7	102.1	-2.27	-2.27	0.0	0.0		Comments:,,,,,,,
PHHZ2004	9/7/21 11:59	43.0	34.7	0.0	22.3	107.8	107.9	-1.91	-1.68	0.0	0.0		Comments:,,,,,,,
PHHZ2004	10/4/21 9:29	47.6	35.0	0.0	17.4	106.4	106.6	-1.60	-1.59	13.3	11.8	-18.60	Comments:,,,,,,,
PHHZ2004	11/15/21 12:35	43.3	37.5	0.0	19.2	106.7	106.7	-1.78	-1.78	15.1	15.1	-35.14	Comments:NO CHANGE,,,,,,,
PHHZ2004	12/16/21 12:54	39.6	34.4	0.0	26.0	108.8	107.6	-1.97	-1.87	13.9	7.9	-27.55	Comments:DECREASED FLOW/VACUUM,,,,,,,
PHHZ2004	1/25/22 9:34	58.0	40.1	1.3	0.6	50.6	50.6	-0.82	-0.82	7.1	7.2	-21.82	Comments:NO CHANGE,,,,,,,
PHL1801D	8/4/21 11:21	46.5	53.4	0.0	0.1	75.6	75.7	-0.22	-0.22			-14.43	Comments:INCREASED FLOW/VACUUM,,,,,,,
PHL1801D	9/13/21 11:44	45.7	54.3	0.0	0.0	97.4	97.9	-1.72	-1.72			-14.03	Comments:NO CHANGE,,,,,,,
PHL1801D	10/27/21 9:13	47.2	52.7	0.1	0.0	60.6	60.5	9.87	9.88	0.0	0.0	9.93	Comments:MINIMAL VACUUM SETTING,,,,,,,
PHL1801D	10/27/21 9:14	46.3	53.7	0.0	0.0	60.1	60.2	10.55	10.56	0.0	0.0	10.56	Comments:SECOND READING,,,,,,,
PHL1801D	10/27/21 12:20	46.7	52.7	0.0	0.6	75.8	77.1	-18.07	-18.06	0.0	0.0	-18.07	Comments:NO CHANGE,,,,,,,
PHL1801D	11/10/21 13:11	21.0	23.7	11.1	44.2	84.3	84.5	-20.41	-19.82	0.0	1.2	-20.41	Comments:,,,,,,,
PHL1801D	11/10/21 13:12	16.9	19.0	12.7	51.4	83.7	83.8	-18.00	-17.99	1.9	2.0	-18.99	Comments:MINIMAL VACUUM SETTING,,,,,,,
PHL1801D	11/15/21 10:49	11.3	12.9	14.6	61.2	57.2	57.2	-23.74	-23.73	0.0	0.0	-26.29	Comments:MINIMAL VACUUM SETTING,,,,,,,

Potrero Hills Landfill - Well Data - 08/01/2021 to 01/31/2022

Point Name	Record Date	CH4 [%]	CO2 [%]	O2 [%]	Bal Gas [%]	Init Temp [ ]	Adj Temp [ ]	Init Stat Press ["H2O]	Adj Stat Press ["H2O]	Init Flow [scfm]	Adj Flow [scfm]	Sys Pressure ["H2O]	Comments
PHL1801D	11/15/21 10:50	15.3	15.4	13.4	55.9	56.8	56.8	-24.03	-24.01	0.0	0.0	-27.07	Comments:MINIMAL VACUUM SETTING,,,,,,
PHL1801D	12/7/21 11:43	13.5	16.7	14.5	55.3	68.1	68.1	-20.66	-20.63	3.4	3.5	-20.53	Comments:MINIMAL VACUUM SETTING,,,,,,
PHL1801D	12/7/21 11:44	14.8	16.9	14.2	54.1	67.8	67.8	-20.04	-20.04	0.0	0.0	-20.04	Comments:MINIMAL VACUUM SETTING,,,,,,
PHL1801D	1/17/22 13:11	12.1	13.8	15.9	58.2	69.6	70.1	-25.29	-25.33	0.0	0.0	-25.33	Comments:DECREASED FLOW/VACUUM,,,,,,
PHL1801D	1/17/22 13:11	12.1	13.8	15.9	58.2	69.6	70.1	-25.29	-25.33	0.0	0.0	-25.33	Comments:,,,,,,
PHL1801D	1/17/22 13:12	17.5	20.4	13.6	48.5	75.2	75.2	-26.01	-25.73	0.0	0.0	-25.73	Comments:SECOND READING,,,,,,
PHL1801S	8/4/21 11:25	50.7	49.3	0.0	0.0	120.7	121.0	-0.73	-0.75	39.7	42.2	-14.39	Comments:INCREASED FLOW/VACUUM,,,,,,
PHL1801S	9/13/21 11:46	47.7	48.3	0.1	3.9	124.2	124.1	-0.71	-0.64			-14.09	Comments:NO CHANGE,,,,,,
PHL1801S	10/27/21 9:16	41.6	40.1	2.4	15.9	116.9	116.9	-0.59	-0.59	13.3	9.0	-15.76	Comments:NO CHANGE,,,,,,
PHL1801S	10/27/21 12:18	48.7	45.1	0.1	6.1	119.4	119.4	-0.59	-0.58	11.0	11.1	-18.20	Comments:NO CHANGE,,,,,,
PHL1801S	11/10/21 13:14	51.1	45.3	0.0	3.6	121.9	122.5	-0.47	-0.56	14.5	20.0	-18.11	Comments:INCREASED FLOW/VACUUM,,,,,,
PHL1801S	12/7/21 11:45	51.0	43.2	0.0	5.8	121.7	121.8	-1.23	-1.22	18.2	18.4	-20.26	Comments:,,,,,,
PHL1801S	1/17/22 13:13	52.4	47.6	0.0	0.0	118.7	118.8	-1.05	-1.04	22.1	20.5	-32.13	Comments:NO CHANGE,,,,,,
PHL1802D	8/4/21 11:31	38.6	41.3	4.4	15.7	82.2	82.3	-0.46	-0.44	25.4	25.2	-13.58	Comments:NO CHANGE,,,,,,
PHL1802D	9/13/21 11:54	44.9	52.7	0.0	2.4	106.7	107.1	-2.02	-2.98			-13.28	Comments:DECREASED FLOW/VACUUM,,,,,,
PHL1802D	10/27/21 9:19	48.0	45.9	0.8	5.3	81.6	81.7	-0.37	-0.37	0.0	0.0	-15.21	Comments:NO CHANGE,,,,,,
PHL1802D	11/4/21 12:50	45.7	54.2	0.1	0.0	107.6	115.7	43.20	-0.50	0.0	6.4	-19.41	Comments:INCREASED FLOW/VACUUM,,,,,,
PHL1802D	11/4/21 12:53	42.7	57.2	0.1	0.0	108.9	109.1	-0.53	-0.57	0.0	0.0	-19.09	Comments:SECOND READING,,,,,,
PHL1802D	11/10/21 13:18	11.5	13.4	14.6	60.5	84.4	84.6	-2.68	-2.68	1.7	2.1	-18.08	Comments:,,,,,,
PHL1802D	11/10/21 13:19	12.3	13.8	14.8	59.1	86.0	86.1	-2.54	-2.53	2.4	2.4	-17.68	Comments:,,,,,,
PHL1802D	11/15/21 10:54	9.2	10.6	17.0	63.2	59.6	59.6	-4.69	-4.69	0.0	0.0	-25.94	Comments:MINIMAL VACUUM SETTING,,,,,,
PHL1802D	11/15/21 10:56	9.6	10.8	16.7	62.9	59.7	59.7	-4.20	-4.18	0.0	0.0	-25.14	Comments:MINIMAL VACUUM SETTING,,,,,,
PHL1802D	12/7/21 11:53	41.9	54.9	0.0	3.2	122.3	115.0	-18.80	-4.45	8.8	0.0	-19.34	Comments:MINIMAL VACUUM SETTING,,,,,,
PHL1802D	1/17/22 13:16	46.4	53.6	0.0	0.0	122.6	122.8	-1.75	-1.76	2.6	2.6	-29.02	Comments:NO CHANGE,,,,,,
PHL1802S	8/4/21 11:33	49.5	46.1	1.1	3.3	101.7	101.7	-0.59	-0.58	20.8	30.4	-13.75	Comments:INCREASED FLOW/VACUUM,,,,,,
PHL1802S	9/13/21 11:58	46.2	50.7	0.0	3.1	117.2	117.3	-0.05	-0.07			-13.36	Comments:MINIMAL VACUUM SETTING,,,,,,
PHL1802S	10/27/21 9:21	47.3	51.7	0.0	1.0	64.4	64.3	2.79	2.85	0.0	0.0	-15.04	Comments:DECREASED FLOW/VACUUM,,,,,,
PHL1802S	10/27/21 9:22	46.3	53.7	0.0	0.0	63.9	63.8	2.80	2.84	0.0	0.0	-15.15	Comments:SECOND READING,,,,,,
PHL1802S	11/10/21 13:21	50.9	49.1	0.0	0.0	112.3	112.6	-0.88	-0.87	0.9	1.3	-18.09	Comments:,,,,,,
PHL1802S	12/7/21 11:56	49.0	49.1	0.0	1.9	123.8	124.2	-1.60	-1.57	0.0	0.5	-19.56	Comments:,,,,,,
PHL1802S	1/17/22 13:19	46.5	53.5	0.0	0.0	61.5	61.5	-1.83	-1.82	0.0	0.0	-26.75	Comments:NO CHANGE,,,,,,
PHL1803D	8/2/21 10:57	42.4	37.7	3.5	16.4	78.0	78.0	-0.35	-0.34	15.4	14.3	-0.31	Comments:INCREASED FLOW/VACUUM,,,,,,
PHL1803D	9/13/21 13:32	31.4	30.4	6.8	31.4	97.5	97.5	-0.10	-0.06			0.02	Comments:MINIMAL VACUUM SETTING,,,,,,
PHL1803D	9/13/21 13:32	31.4	30.5	6.8	31.3	97.7	97.7	-0.11	-0.08			-0.04	Comments:SECOND READING,,,,,,
PHL1803D	9/20/21 10:39	1.5	2.3	17.9	78.3	84.5	84.4	-0.37	-0.35			-0.21	Comments:MINIMAL VACUUM SETTING,,,,,,
PHL1803D	9/20/21 10:39	1.0	2.2	18.3	78.5	83.7	83.7	-0.33	-0.31			-0.30	Comments:SECOND READING,,,,,,
PHL1803D	9/28/21 10:03	47.2	46.6	1.2	5.0	91.1	91.1	-5.80	-5.79	11.0	10.6	-15.22	Comments:,,,,,,
PHL1803D	10/4/21 11:31	27.9	26.8	8.7	36.6	81.8	81.8	-0.59	-0.59	153.3	153.2	-0.41	Comments:MINIMAL VACUUM SETTING,,,,,,
PHL1803D	10/4/21 11:32	25.8	25.2	9.7	39.3	81.4	81.5	-0.57	-0.51			-0.51	Comments:SECOND READING,,,,,,
PHL1803D	10/13/21 12:24	43.9	41.2	3.1	11.8	83.2	83.4	-2.63	-2.61	12.8	11.5	-10.07	Comments:,,,,,,
PHL1803D	11/10/21 12:45	46.4	43.4	1.7	8.5	92.3	92.4	-2.77	-2.76	7.0	6.3	-17.84	Comments:,,,,,,
PHL1803D	12/28/21 11:52	16.5	16.5	15.7	51.3	61.7	61.8	-3.42	-3.41	1.5	0.0	-28.43	Comments:,,,,,,
PHL1803D	12/28/21 11:53	20.0	20.4	13.4	46.2	62.6	62.6	-3.49	-3.50	7.8	7.2	-29.25	Comments:,,,,,,
PHL1803D	1/4/22 11:05	39.9	41.9	3.7	14.5	75.1	75.2	-2.59	-2.58	12.8	12.5	-23.00	Comments:MINIMAL VACUUM SETTING,,,,,,
PHL1803S	8/2/21 10:59	50.3	49.7	0.0	0.0	121.8	121.6	-0.44	-0.45	20.1	19.9	-14.95	Comments:INCREASED FLOW/VACUUM,,,,,,
PHL1803S	9/13/21 13:34	47.1	50.0	0.0	2.9	128.4	128.7	-0.04	0.00			-13.64	Comments:MINIMAL VACUUM SETTING,,,,,,
PHL1803S	9/20/21 10:42	48.0	52.0	0.0	0.0	130.7	130.3	-0.30	-0.31			-13.90	Comments:INCREASED FLOW/VACUUM,,,,,,
PHL1803S	10/4/21 11:36	48.4	51.6	0.0	0.0	130.5	130.5	-0.69	-0.69	67.8	67.8	-14.61	Comments:MINIMAL VACUUM SETTING,,,,,,
PHL1803S	11/10/21 12:47	51.4	47.0	0.0	1.6	134.2	134.3	-1.34	-1.35			-17.81	Comments:,,,,,,
PHL1803S	11/10/21 12:48	51.4	47.0	0.0	1.6	134.2	134.3	-1.34	-1.35			-17.81	Comments:,,,,,,
PHL1803S	11/10/21 12:48	51.4	48.3	0.0	0.3	134.7	134.7	-1.43	-1.43			-17.99	Comments:,,,,,,
PHL1803S	11/15/21 10:44	51.5	47.8	0.0	0.7	134.9	136.7	-2.12	-2.41			-25.30	Comments:,,,,,,
PHL1803S	11/15/21 10:44	50.8	49.2	0.0	0.0	137.2	137.1	-2.72	-2.72			-26.64	Comments:,,,,,,
PHL1803S	12/28/21 11:55	47.8	52.2	0.0	0.0	136.9	136.4	-2.76	-2.60			-30.52	Comments:DECREASED FLOW/VACUUM,,,,,,
PHL1803S	12/28/21 11:55	47.8	52.2	0.0	0.0	136.9	136.4	-2.76	-2.60			-30.52	Comments:,,,,,,
PHL1803S	12/28/21 11:56	48.2	51.8	0.0	0.0	135.3	135.3	-2.18	-2.18			-31.75	Comments:,,,,,,
PHL1803S	1/4/22 11:07	49.8	50.2	0.0	0.0	134.6	134.6	-1.88	-1.88			-24.46	Comments:,,,,,,
PHL1803S	1/4/22 11:08	49.5	50.5	0.0	0.0	134.4	134.4	-1.88	-1.87			-24.71	Comments:,,,,,,
PHL1804D	8/4/21 11:12	56.3	43.6	0.0	0.1	128.8	128.4	-12.11	-12.21			-13.01	Comments:VALVE FULL OPEN,,,,,,
PHL1804D	9/13/21 11:34	57.7	41.5	0.0	0.8	130.4	130.4	-11.96	-11.88			-12.86	Comments:VALVE FULL OPEN,,,,,,
PHL1804D	10/27/21 9:06	57.9	42.1	0.0	0.0	131.8	132.0	-13.28	-13.27	23.5	23.5	-14.40	Comments:DECREASED FLOW/VACUUM,,,,,,

Potrero Hills Landfill - Well Data - 08/01/2021 to 01/31/2022

Point Name	Record Date	CH4 [%]	CO2 [%]	O2 [%]	Bal Gas [%]	Init Temp [ ]	Adj Temp [ ]	Init Stat Press ["H2O]	Adj Stat Press ["H2O]	Init Flow [scfm]	Adj Flow [scfm]	Sys Pressure ["H2O]	Comments
PHL1804D	10/27/21 9:07	57.5	42.5	0.0	0.0	131.3	131.8	-13.50	-13.45	22.7	22.7	-13.44	Comments:SECOND READING,,,,,,,
PHL1804D	11/4/21 12:59	46.0	42.7	0.0	11.3	133.9	130.7	-0.83	-0.70	17.0	16.5	-20.63	Comments:DECREASED FLOW/VACUUM,,,,,,,
PHL1804D	11/4/21 13:04	46.0	42.8	0.0	11.2	129.1	129.1	-0.72	-0.72	16.0	16.1	-20.61	Comments:SECOND READING,,,,,,,
PHL1804D	11/10/21 13:01	58.5	40.5	0.0	1.0	133.3	133.4	-14.98	-14.90	29.8	29.7	-16.03	Comments:,,,,,,,
PHL1804D	11/10/21 13:02	58.4	41.6	0.0	0.0	133.2	133.2	-14.75	-14.75	28.9	28.9	-16.01	Comments:,,,,,,,
PHL1804D	11/15/21 11:04	57.6	42.4	0.0	0.0	133.3	133.3	-21.11	-21.12	47.1	39.9	-23.31	Comments:VALVE FULL OPEN,,,,,,,
PHL1804D	11/15/21 11:05	57.8	42.2	0.0	0.0	133.4	133.4	-20.99	-21.00	39.9	39.9	-23.48	Comments:VALVE FULL OPEN,,,,,,,
PHL1804D	12/7/21 11:37	57.8	41.0	0.0	1.2	133.6	133.6	-17.64	-15.15	31.6	24.9	-19.44	Comments:DECREASED FLOW/VACUUM,,,,,,,
PHL1804D	12/7/21 11:38	58.0	42.0	0.0	0.0	133.4	133.4	-14.67	-14.64	24.8	24.8	-19.43	Comments:,,,,,,,
PHL1804D	1/17/22 13:04	2.8	6.8	18.0	72.4	133.7	133.8	-16.80	-17.42	28.4	30.9	-17.44	Comments:DECREASED FLOW/VACUUM,,,,,,,
PHL1804D	1/17/22 13:05	54.5	45.5	0.0	0.0	133.9	133.9	-17.01	-17.66	30.6	30.6	-17.66	Comments:NO CHANGE,,,,,,,
PHL1804S	8/4/21 11:14	55.9	44.1	0.0	0.0	127.4	127.4	-1.73	-1.74	71.4	71.4	-14.00	Comments:INCREASED FLOW/VACUUM,,,,,,,
PHL1804S	9/13/21 11:36	56.2	41.1	0.0	2.7	128.7	128.7	-1.40	-1.39			-14.26	Comments:INCREASED FLOW/VACUUM,,,,,,,
PHL1804S	10/27/21 9:09	56.0	42.3	0.0	1.7	126.8	126.8	-1.86	-1.86	35.1	35.6	-14.83	Comments:NO CHANGE,,,,,,,
PHL1804S	11/10/21 13:04	49.7	39.7	0.0	10.6	128.3	128.2	-1.76	-1.74	39.1	39.1	-17.04	Comments:,,,,,,,
PHL1804S	12/7/21 11:39	50.6	39.5	0.0	9.9	128.3	128.3	-2.10	-2.10	41.6	42.2	-20.24	Comments:,,,,,,,
PHL1804S	1/17/22 13:07	55.3	44.6	0.0	0.1	82.8	82.6	-2.58	-2.58	49.7	48.8	-2.57	Comments:NO CHANGE,,,,,,,
PHL1805D	8/2/21 10:42	40.8	42.5	3.7	13.0	76.9	77.4	-2.21	-0.35	83.1		-13.69	Comments:INCREASED FLOW/VACUUM,,,,,,,
PHL1805D	9/13/21 13:15	7.5	7.4	16.1	69.0	95.5	95.7	-12.79	-12.74			-12.73	Comments:DECREASED FLOW/VACUUM,,,,,,,
PHL1805D	9/20/21 10:33	37.4	44.8	1.6	16.2	84.6	84.6	-13.18	-13.16			-13.16	Comments:DECREASED FLOW/VACUUM,,,,,,,
PHL1805D	10/4/21 11:11	34.7	40.9	4.7	19.7	84.3	84.3	-12.29	-6.67			-13.30	Comments:DECREASED FLOW/VACUUM,,,,,,,
PHL1805D	11/10/21 12:32	38.5	43.5	3.4	14.6	79.5	79.6	-16.38	-16.37	21.4	11.6	-17.25	Comments:,,,,,,,
PHL1805D	12/28/21 11:40	42.2	51.9	2.0	3.9	53.3	53.2	-28.80	-28.05			-28.05	Comments:,,,,,,,
PHL1805D	1/4/22 10:54	13.7	17.2	14.8	54.3	56.3	56.3	-24.12	-24.12			-24.12	Comments:MINIMAL VACUUM SETTING,,,,,,,
PHL1805D	1/4/22 10:55	5.2	10.1	18.4	66.3	56.4	56.4	-23.85	-23.85			-23.85	Comments:MINIMAL VACUUM SETTING,,,,,,,
PHL1805D	1/13/22 14:52	39.8	48.5	2.2	9.5	65.3	65.3	-25.51	-25.52	14.2	14.2	-26.03	Comments:,,,,,,,
PHL1805S	8/2/21 10:44	45.5	46.1	0.0	8.4	127.1	126.9	-0.37	-0.38	25.3	19.3	-14.41	Comments:INCREASED FLOW/VACUUM,,,,,,,
PHL1805S	9/13/21 13:20	39.7	46.3	0.0	14.0	130.7	130.6	-0.11	-0.11			-13.29	Comments:NO CHANGE,,,,,,,
PHL1805S	10/4/21 11:13	41.1	45.4	0.0	13.5	119.5	119.8	-0.21	-0.20	129.1	129.1	-13.42	Comments:NO CHANGE,,,,,,,
PHL1805S	11/10/21 12:35	44.5	47.3	0.0	8.2	129.7	129.7	-0.12	-0.12			-17.08	Comments:,,,,,,,
PHL1805S	12/28/21 11:42	47.7	52.3	0.0	0.0	124.0	123.5	-0.72	-0.67			-29.98	Comments:DECREASED FLOW/VACUUM,,,,,,,
PHL1805S	1/4/22 10:57	50.3	49.7	0.0	0.0	124.2	124.0	-0.38	-0.38		14.7	-24.13	Comments:,,,,,,,
PHL1806D	8/4/21 11:40	45.0	55.0	0.0	0.0	92.5	92.3	-3.67	-3.65	107.1	106.9	-13.57	Comments:INCREASED FLOW/VACUUM,,,,,,,
PHL1806D	9/13/21 12:01	45.1	53.0	0.0	1.9	116.9	117.1	-0.02	-0.11			-12.69	Comments:NO CHANGE,,,,,,,
PHL1806D	10/27/21 9:25	46.9	53.1	0.0	0.0	66.4	66.5	-3.35	-3.35	0.0	0.0	-3.35	Comments:NO CHANGE,,,,,,,
PHL1806D	11/10/21 13:25	44.3	50.3	0.7	4.7	97.2	97.3	-3.99	-3.99	1.9	1.9	-17.66	Comments:MINIMAL VACUUM SETTING,,,,,,,
PHL1806D	12/7/21 12:00	46.9	51.2	0.0	1.9	96.1	96.3	-8.49	-8.46	7.9	7.7	-19.70	Comments:MINIMAL VACUUM SETTING,,,,,,,
PHL1806D	1/17/22 13:22	41.3	51.0	2.1	5.6	74.5	74.7	-17.54	-17.55	0.0	0.0	-17.56	Comments:NO CHANGE,,,,,,,
PHL1806S	8/4/21 11:43	47.2	47.1	0.0	5.7	123.4	123.5	-0.34	-0.34	26.7	26.8	-13.19	Comments:INCREASED FLOW/VACUUM,,,,,,,
PHL1806S	9/13/21 12:03	39.5	47.0	0.0	13.5	128.4	128.4	-0.23	-0.22			-12.55	Comments:MINIMAL VACUUM SETTING,,,,,,,
PHL1806S	10/27/21 9:29	40.9	43.1	0.0	16.0	62.6	62.6	-0.33	-0.33	6.4	6.8	-13.26	Comments:NO CHANGE,,,,,,,
PHL1806S	11/10/21 13:27	42.5	42.4	0.0	15.1	126.4	126.4	-0.24	-0.24	10.3	10.3	-17.91	Comments:,,,,,,,
PHL1806S	12/7/21 12:02	42.7	43.6	0.0	13.7	125.6	124.9	-0.52	-0.38	9.1	8.8	-19.36	Comments:MINIMAL VACUUM SETTING,,,,,,,
PHL1806S	1/17/22 13:26	49.6	50.4	0.0	0.0	80.7	80.7	-0.01	-0.01	8.1	8.1	-22.74	Comments:NO CHANGE,,,,,,,
PHL1807D	8/4/21 11:47	47.6	52.3	0.0	0.1	94.1	94.3	-1.11	-1.10	11.4	11.8	-13.01	Comments:INCREASED FLOW/VACUUM,,,,,,,
PHL1807D	9/13/21 12:10	47.2	50.1	0.0	2.7	117.2	118.0	-0.37	-0.37			1.73	Comments:NO CHANGE,SURGING LIQUID IN WELL ,,,,,,
PHL1807D	10/27/21 9:30	49.4	49.2	0.0	1.4	123.8	123.9	-1.71	-1.70	13.4	13.5	-14.92	Comments:NO CHANGE,,,,,,,
PHL1807D	11/10/21 13:31	50.0	49.7	0.0	0.3	109.1	109.4	-1.52	-1.52	0.0	0.0	-17.74	Comments:,,,,,,,
PHL1807D	12/7/21 12:05	48.2	49.9	0.0	1.9	116.9	117.1	-3.96	-3.93	0.0	0.0	-19.71	Comments:,,,,,,,
PHL1807D	1/17/22 13:27	45.8	54.2	0.0	0.0	79.3	79.4	-4.75	-4.75	0.0	0.0	-25.30	Comments:NO CHANGE,,,,,,,
PHL1807S	8/4/21 11:50	46.2	45.8	0.0	8.0	124.9	124.9	-0.46	-0.45	4.8	30.3	-11.63	Comments:INCREASED FLOW/VACUUM,,,,,,,
PHL1807S	9/13/21 12:13	39.2	43.6	0.0	17.2	128.4	128.9	-0.16	-0.16			-10.62	Comments:MINIMAL VACUUM SETTING,,,,,,,
PHL1807S	10/27/21 9:32	39.1	41.9	0.0	19.0	123.6	123.7	-0.37	-0.37	6.2	6.1	-14.84	Comments:NO CHANGE,,,,,,,
PHL1807S	11/10/21 13:33	40.5	41.9	0.0	17.6	128.6	128.4	-0.27	-0.24	10.3	9.7	-17.21	Comments:DECREASED FLOW/VACUUM,,,,,,,
PHL1807S	12/7/21 12:07	41.6	44.2	0.0	14.2	126.3	126.4	-0.33	-0.31	5.8	6.3	-19.86	Comments:MINIMAL VACUUM SETTING,,,,,,,
PHL1807S	1/17/22 13:29	50.1	49.5	0.0	0.4	123.2	123.2	-0.18	-0.18	13.7	13.7	-26.58	Comments:NO CHANGE,,,,,,,
PHL1808D	8/2/21 9:53	53.6	46.4	0.0	0.0	83.0	94.2	-0.56	-0.57	11.4	4.4	-13.36	Comments:INCREASED FLOW/VACUUM,,,,,,,
PHL1808D	9/13/21 12:50	49.4	47.3	0.0	3.3	132.3	133.2	-0.70	-0.74	10.6		-12.21	Comments:,,,,,,,
PHL1808D	9/13/21 12:51	49.7	48.4	0.0	1.9	134.3	134.3	-0.90	-0.91	6.9		-12.26	Comments:,,,,,,,
PHL1808D	9/20/21 10:29	51.0	47.9	0.0	1.1	130.4	129.9	-1.22	-1.23	13.1	13.2	-13.00	Comments:INCREASED FLOW/VACUUM,,,,,,,
PHL1808D	10/4/21 10:47	50.6	49.4	0.0	0.0	130.2	130.5	-3.79	-3.80	19.4	18.1	-13.65	Comments:INCREASED FLOW/VACUUM,,,,,,,

Potrero Hills Landfill - Well Data - 08/01/2021 to 01/31/2022

Point Name	Record Date	CH4 [%]	CO2 [%]	O2 [%]	Bal Gas [%]	Init Temp [ ]	Adj Temp [ ]	Init Stat Press ["H2O]	Adj Stat Press ["H2O]	Init Flow [scfm]	Adj Flow [scfm]	Sys Pressure ["H2O]	Comments
PHL1808D	11/10/21 12:25	51.6	48.4	0.0	0.0	136.9	138.2	-5.59	-6.21	8.3	7.9	-17.33	Comments:,,,,,,,
PHL1808D	11/10/21 12:26	50.6	49.4	0.0	0.0	138.7	138.7	-6.26	-6.22	7.0	4.1	-17.03	Comments:,,,,,,,
PHL1808D	11/15/21 10:35	50.4	48.4	0.0	1.2	138.9	138.9	-9.00	-9.00	8.9	7.3	-25.58	Comments:,,,,,,,
PHL1808D	11/15/21 10:36	49.8	50.2	0.0	0.0	138.9	139.0	-8.38	-8.41	8.7	7.3	-25.56	Comments:,,,,,,,
PHL1808D	12/28/21 11:34	48.0	52.0	0.0	0.0	134.5	134.3	-11.90	-11.80	12.2	4.2	-29.83	Comments:DECREASED FLOW/VACUUM,,,,,,,
PHL1808D	12/28/21 11:35	46.2	53.8	0.0	0.0	133.2	132.4	-11.45	-11.52	0.0	10.0	-29.95	Comments:,,,,,,,
PHL1808D	1/4/22 10:46	47.9	52.1	0.0	0.0	132.1	132.0	-10.90	-10.90	4.5	0.0	-24.45	Comments:DECREASED FLOW/VACUUM,,,,,,,
PHL1808D	1/4/22 10:47	46.7	53.3	0.0	0.0	130.2	130.2	-10.43	-10.43	0.0	6.2	-24.04	Comments:,,,,,,,
PHL1808S	8/2/21 9:55	51.3	47.1	0.0	1.6	124.4	124.8	-0.61	-0.61	44.3	47.0	-13.62	Comments:INCREASED FLOW/VACUUM,,,,,,,
PHL1808S	9/13/21 12:52	41.4	44.3	0.0	14.3	128.0	128.1	-0.62	-0.60			-12.49	Comments:,,,,,,,
PHL1808S	10/4/21 10:50	47.3	47.0	0.0	5.7	124.3	125.8	-0.17	-0.17	0.0	0.0	-14.02	Comments:INCREASED FLOW/VACUUM,,,,,,,
PHL1808S	11/10/21 12:28	45.2	44.2	0.0	10.6	126.4	126.7	-0.18	-0.12	14.8	13.8	-17.31	Comments:MINIMAL VACUUM SETTING,,,,,,,
PHL1808S	12/28/21 11:36	50.9	49.1	0.0	0.0	124.4	124.4	-0.22	-0.22	17.4	17.4	-29.11	Comments:,,,,,,,
PHL1808S	1/4/22 10:49	50.5	49.5	0.0	0.0	124.3	124.3	-0.11	-0.11	16.3	16.3	-24.71	Comments:,,,,,,,
PHL2001D	8/2/21 10:26	53.7	46.3	0.0	0.0	119.2	119.2	-9.13	-9.13	6.4	6.4	-9.08	Comments:INCREASED FLOW/VACUUM,,,,,,,
PHL2001D	9/13/21 13:39	51.0	44.3	0.0	4.7	118.6	118.7	-5.74	-5.73	2.9	3.3	-5.90	Comments:,,,,,,,
PHL2001D	10/4/21 12:09	54.2	45.8	0.0	0.0	111.3	112.1	-5.77	-5.82	0.0	0.0	-5.81	Comments:INCREASED FLOW/VACUUM,,,,,,,
PHL2001D	11/10/21 14:07	54.1	43.7	0.0	2.2	111.9	112.3	-10.32	-10.36	4.3	4.3	-10.61	Comments:INCREASED FLOW/VACUUM,VALVE FULL OPEN,,,,,,
PHL2001D	12/28/21 12:36	53.0	47.0	0.0	0.0	59.5	59.6	-0.10	-0.12	0.0	3.0	-0.12	Comments:,,,,,,,
PHL2001D	1/4/22 11:39	51.9	48.1	0.0	0.0	69.5	69.5	-0.73	-0.72	0.0	0.0	-0.71	Comments:,,,,,,,
PHL2001D	1/31/22 10:59	53.5	46.5	0.0	0.0	115.0	114.9	-16.66	-16.66	11.2	15.0	-16.84	Comments:VALVE FULL OPEN,,,,,,,
PHL2001S	8/2/21 10:29	58.1	41.9	0.0	0.0	116.9	116.9	-1.01	-1.01	17.1	18.6	-9.47	Comments:INCREASED FLOW/VACUUM,,,,,,,
PHL2001S	9/13/21 13:41	54.0	41.5	0.0	4.5	120.6	120.6	-0.37	-0.37	15.7	15.6	-6.01	Comments:,,,,,,,
PHL2001S	10/4/21 12:12	57.6	41.4	0.0	1.0	116.0	116.4	-0.46	-0.48	0.0	4.2	-5.85	Comments:INCREASED FLOW/VACUUM,,,,,,,
PHL2001S	11/10/21 14:10	40.5	36.9	0.0	22.6	116.8	116.3	-1.15	-0.64	21.1	10.6	-12.05	Comments:DECREASED FLOW/VACUUM,,,,,,,
PHL2001S	12/28/21 12:38	51.8	48.2	0.0	0.0	82.5	82.7	-0.10	-0.11	0.0	0.0	-0.12	Comments:,,,,,,,
PHL2001S	1/4/22 11:41	53.9	45.7	0.0	0.4	79.4	79.6	-0.99	-1.14	0.0	0.0	-1.14	Comments:,,,,,,,
PHL2001S	1/31/22 10:57	38.5	34.4	0.0	27.1	115.4	115.0	-1.10	-1.02	11.8	8.5	-17.34	Comments:,,,,,,,
PHL2002D	8/2/21 12:37	58.2	41.8	0.0	0.0	131.5	131.7	-9.09	-9.05	14.6	16.6	-9.01	Comments:INCREASED FLOW/VACUUM,,,,,,,
PHL2002D	8/2/21 12:39	57.9	42.1	0.0	0.0	132.2	132.3	-8.90	-8.91	16.0	15.9	-8.91	Comments:SECOND READING,,,,,,,
PHL2002D	8/17/21 18:50	55.1	39.9	0.0	5.0	129.1	129.5	-10.31	-10.29	7.7	11.8	-10.29	Comments:NO CHANGE,,,,,,,
PHL2002D	9/13/21 11:28	57.7	40.5	0.0	1.8	131.6	131.7	-9.68	-9.65	6.9	10.8	-9.93	Comments:INCREASED FLOW/VACUUM,VALVE FULL OPEN,,,,,,
PHL2002D	9/20/21 10:19	58.6	41.2	0.0	0.2	128.4	129.0	-10.04	-10.01	31.2	31.1	-9.99	Comments:VALVE FULL OPEN,,,,,,,
PHL2002D	10/4/21 10:56	57.6	38.6	0.0	3.8	129.4	130.2	-9.38	-8.55	4.6	23.5	-9.51	Comments:VALVE FULL OPEN,,,,,,,
PHL2002D	11/15/21 11:41	59.5	40.5	0.0	0.0	125.9	125.9	-18.84	-18.83	9.2	9.3	-16.98	Comments:VALVE FULL OPEN,,,,,,,
PHL2002D	12/21/21 12:57	58.7	41.3	0.0	0.0	121.1	120.7	-22.02	-22.03	0.0	11.8	-21.94	Comments:VALVE FULL OPEN,,,,,,,
PHL2002D	1/25/22 13:07	57.5	41.1	0.0	1.4	120.7	121.1	-28.34	-28.34	7.2	6.9	-28.13	Comments:VALVE FULL OPEN,,,,,,,
PHL2002S	8/2/21 12:41	50.5	36.7	0.8	12.0	120.1	120.2	-9.31	-9.30	12.0	12.1	-9.29	Comments:INCREASED FLOW/VACUUM,,,,,,,
PHL2002S	9/13/21 11:30	48.8	36.1	1.7	13.4	122.0	121.9	-9.79	-9.24	10.0	6.7	-10.19	Comments:DECREASED FLOW/VACUUM,,,,,,,
PHL2002S	10/4/21 10:58	49.3	36.0	1.9	12.8	120.6	120.6	-8.32	-8.32	8.3	8.3	-9.58	Comments:,,,,,,,
PHL2002S	11/15/21 11:44	49.1	36.5	1.2	13.2	118.3	118.3	-15.19	-15.19	12.5	12.6	-18.53	Comments:,,,,,,,
PHL2002S	12/21/21 12:59	47.1	36.1	1.7	15.1	114.6	111.7	-16.76	-14.00	13.5	4.6	-22.46	Comments:DECREASED FLOW/VACUUM,,,,,,,
PHL2002S	1/25/22 13:08	49.8	34.8	0.7	14.7	90.7	90.8	-0.97	-0.96	0.0	0.0	-27.67	Comments:,,,,,,,
PHL2003S	8/2/21 12:49	59.9	37.7	0.0	2.4	111.2	111.8	-2.55	-2.56	10.9	11.7	-9.91	Comments:INCREASED FLOW/VACUUM,,,,,,,
PHL2003S	9/13/21 11:21	58.0	38.6	0.0	3.4	113.2	113.4	-2.61	-2.72	12.7	15.7	-10.20	Comments:INCREASED FLOW/VACUUM,,,,,,,
PHL2003S	10/4/21 10:46	53.7	36.7	0.0	9.6	111.8	112.3	-3.54	-4.10	15.7	23.0	-10.16	Comments:INCREASED FLOW/VACUUM,,,,,,,
PHL2003S	11/15/21 11:32	37.8	31.9	0.0	30.3	111.7	111.1	-8.73	-6.75	27.0	11.9	-18.95	Comments:DECREASED FLOW/VACUUM,,,,,,,
PHL2003S	12/21/21 12:49	37.2	31.4	0.0	31.4	107.3	106.6	-4.10	-3.60	15.6	8.7	-22.38	Comments:DECREASED FLOW/VACUUM,,,,,,,
PHL2003S	1/25/22 13:19	47.4	33.2	0.0	19.4	110.5	110.7	-2.33	-2.30	9.6	8.9	-28.54	Comments:DECREASED FLOW/VACUUM,,,,,,,
PHL2004D	8/2/21 13:11	54.3	45.7	0.0	0.0	148.3	148.4	-5.25	-5.24	17.7	17.7	-10.11	Comments:INCREASED FLOW/VACUUM,,,,,,,
PHL2004D	8/2/21 13:13	53.2	46.8	0.0	0.0	149.2	149.2	-5.24	-5.24	17.0	17.1	-10.15	Comments:SECOND READING,,,,,,,
PHL2004D	9/13/21 12:25	50.1	45.2	0.0	4.7	149.0	149.1	-4.74	-4.74	17.5	17.7	-10.06	Comments:,,,,,,,
PHL2004D	9/13/21 12:25	50.0	46.0	0.0	4.0	149.3	149.3	-4.75	-4.74	17.1	17.2	-10.09	Comments:,,,,,,,
PHL2004D	10/4/21 12:09	51.4	43.5	0.0	5.1	148.4	148.6	-4.86	-5.65	18.3	22.7	-10.04	Comments:INCREASED FLOW/VACUUM,,,,,,,
PHL2004D	10/4/21 12:10	51.2	44.7	0.0	4.1	148.9	148.9	-6.44	-6.42	20.1	20.1	-10.01	Comments:,,,,,,,
PHL2004D	10/13/21 12:35	53.8	46.0	0.0	0.2	147.8	147.9	-5.70	-5.70	17.8	17.9	-9.05	Comments:,,,,,,,
PHL2004D	10/13/21 12:35	53.1	46.9	0.0	0.0	148.0	148.0	-5.81	-5.81	18.3	18.3	-9.09	Comments:,,,,,,,
PHL2004D	10/22/21 10:48	52.7	47.3	0.0	0.0	148.5	146.7	-9.46	-0.58	18.5	13.9	-12.68	Comments:DECREASED FLOW/VACUUM,,,,,,,
PHL2004D	10/22/21 10:50	52.7	47.3	0.0	0.0	147.2	147.2	-0.64	-0.63	13.8	13.8	-12.52	Comments:SECOND READING,,,,,,,

Potrero Hills Landfill - Well Data - 08/01/2021 to 01/31/2022

Point Name	Record Date	CH4 [%]	CO2 [%]	O2 [%]	Bal Gas [%]	Init Temp [ ]	Adj Temp [ ]	Init Stat Press ["H2O]	Adj Stat Press ["H2O]	Init Flow [scfm]	Adj Flow [scfm]	Sys Pressure ["H2O]	Comments
PHL2004D	11/4/21 13:14	53.8	46.2	0.0	0.0	146.6	146.9	-9.04	-2.13	19.6	57.4	-14.60	Comments:DECREASED FLOW/VACUUM,,,,,,
PHL2004D	11/4/21 13:18	54.0	46.0	0.0	0.0	147.8	147.9	-2.08	-2.12	0.0	0.0	-14.60	Comments:SECOND READING,,,,,,
PHL2004D	11/10/21 9:29	54.3	45.7	0.0	0.0	148.0	148.0	-1.60	-1.57	17.4	17.5	-16.86	Comments:,,,,,,
PHL2004D	11/10/21 9:30	54.1	45.9	0.0	0.0	147.9	147.9	-1.57	-1.55	16.8	16.9	-16.99	Comments:,,,,,,
PHL2004D	11/15/21 11:22	54.4	44.8	0.0	0.8	147.7	148.1	-2.86	-0.60	16.4	14.8	-19.43	Comments:DECREASED FLOW/VACUUM,,,,,,
PHL2004D	11/15/21 11:23	53.6	46.4	0.0	0.0	148.4	148.3	-0.72	-0.72	15.3	15.3	-19.30	Comments:,,,,,,
PHL2004D	11/22/21 11:39	52.4	47.5	0.0	0.1	148.9	149.0	-0.13	-0.18	18.6	18.7	-16.60	Comments:,,,,,,
PHL2004D	11/22/21 11:40	52.4	47.6	0.0	0.0	148.9	148.9	-1.06	-1.05	18.9	19.0	-16.70	Comments:,,,,,,
PHL2004D	11/30/21 11:15	54.8	45.2	0.0	0.0	147.6	147.6	-4.91	-4.90	17.3	17.3	-17.19	Comments:,,,,,,
PHL2004D	11/30/21 11:16	54.8	45.2	0.0	0.0	147.2	147.2	-2.69	-2.69	14.7	14.7	-17.10	Comments:,,,,,,
PHL2004D	12/7/21 13:52	55.0	42.8	0.0	2.2	149.9	149.9	-0.55	-0.59	20.9	20.7	-13.63	Comments:,,,,,,
PHL2004D	12/7/21 13:54	52.9	45.5	0.0	1.6	149.6	149.6	-2.09	-2.06	18.9	18.8	-14.47	Comments:,,,,,,
PHL2004D	12/16/21 10:42	52.0	46.3	0.0	1.7	146.6	145.6	-11.09	-4.85	16.4	26.3	-21.17	Comments:DECREASED FLOW/VACUUM,,,,,,
PHL2004D	12/16/21 10:43	52.4	47.2	0.0	0.4	145.6	145.7	-3.76	-3.75	26.9	26.8	-21.39	Comments:,,,,,,
PHL2004D	12/21/21 13:28	54.4	45.6	0.0	0.0	148.1	148.1	-0.52	-0.53	51.9	51.9	-22.90	Comments:,,,,,,
PHL2004D	12/21/21 13:29	52.9	47.1	0.0	0.0	148.0	148.0	-1.55	-1.55	49.8	49.9	-23.57	Comments:,,,,,,
PHL2004D	12/28/21 13:01	51.8	48.2	0.0	0.0	147.4	147.6	-7.19	-7.18	18.2	18.2	-21.90	Comments:,,,,,,
PHL2004D	12/28/21 13:02	51.7	48.3	0.0	0.0	147.3	147.4	-4.40	-4.39	15.3	14.8	-21.94	Comments:,,,,,,
PHL2004D	1/4/22 12:12	52.6	46.3	0.0	1.1	147.8	147.9	-0.94	-0.94	15.6	15.6	-19.00	Comments:,,,,,,
PHL2004D	1/4/22 12:12	52.5	47.5	0.0	0.0	148.1	148.0	-0.84	-0.85	15.6	15.6	-19.18	Comments:,,,,,,
PHL2004D	1/13/22 14:45	52.7	46.4	0.0	0.9	149.1	149.3	0.13	-0.45	16.7	18.2	-20.57	Comments:,,,,,,
PHL2004D	1/13/22 14:46	52.6	46.6	0.0	0.8	149.3	149.3	-0.94	-0.94	17.8	18.1	-21.00	Comments:,,,,,,
PHL2004D	1/17/22 10:36	54.0	45.7	0.2	0.1	148.0	146.4	-7.79	-2.05	16.4	10.4	-23.84	Comments:,,,,,,
PHL2004D	1/17/22 10:37	53.0	47.0	0.0	0.0	146.2	146.2	-1.26	-1.25	10.4	10.4	-24.60	Comments:,,,,,,
PHL2004D	1/25/22 11:43	54.3	45.7	0.0	0.0	149.1	149.2	-1.72	-1.73	21.5	21.2	-26.03	Comments:,,,,,,
PHL2004D	1/25/22 11:44	53.9	46.0	0.0	0.1	149.5	149.5	-2.36	-2.36	21.1	20.8	-24.92	Comments:,,,,,,
PHL2004D	1/31/22 10:52	52.7	47.3	0.0	0.0	149.1	148.5	-11.45	-8.29	16.3	11.8	-25.62	Comments:,,,,,,
PHL2004D	1/31/22 10:53	53.1	46.9	0.0	0.0	148.5	148.5	-7.47	-7.47	12.1	12.6	-26.08	Comments:,,,,,,
PHL2007D	8/2/21 11:57	48.7	51.3	0.0	0.0	95.9	95.8	-1.40	-1.43	1.2	1.9	-11.40	Comments:,,,,,,
PHL2007D	9/13/21 9:01	39.8	40.2	3.8	16.2	84.0	84.0	-7.77	-7.76	0.0	0.0	-9.14	Comments:DECREASED FLOW/VACUUM,,,,,,
PHL2007D	10/4/21 9:22	42.4	41.7	3.1	12.8	86.3	86.3	-11.98	-11.94	0.0	7.8	-11.94	Comments:NO CHANGE,,,,,,
PHL2007D	11/15/21 9:51	51.1	45.7	0.7	2.5	53.5	53.5	-34.86	-23.97	0.0	0.0	-23.97	Comments:NO CHANGE,,,,,,
PHL2007D	12/16/21 11:22	43.3	42.9	2.5	11.3	68.5	68.5	-19.54	-19.51	0.0	0.0	-23.18	Comments:MINIMAL VACUUM SETTING,,,,,,
PHL2007D	1/17/22 12:24	46.7	53.3	0.0	0.0	77.7	78.1	-9.85	-9.90	31.8	31.7	-31.32	Comments:,,,,,,
PHL2007S	8/2/21 11:54	55.4	41.2	0.4	3.0	117.4	117.4	-2.77	-2.75	9.8	9.9	-11.81	Comments:,,,,,,
PHL2007S	9/13/21 9:03	54.8	42.2	0.0	3.0	83.7	84.1	-1.98	-1.98	7.2	7.4	-9.12	Comments:INCREASED FLOW/VACUUM,,,,,,
PHL2007S	10/4/21 9:24	56.8	42.0	0.1	1.1	81.3	82.7	-1.91	-1.94	6.0	8.6	-13.38	Comments:INCREASED FLOW/VACUUM,,,,,,
PHL2007S	11/15/21 9:50	54.7	45.2	0.1	0.0	53.2	53.1	-0.24	-0.21	0.0	0.0	-26.25	Comments:NO CHANGE,,,,,,
PHL2007S	12/16/21 11:25	54.2	45.8	0.0	0.0	83.4	83.5	-0.76	-0.77	3.0	3.1	-23.06	Comments:INCREASED FLOW/VACUUM,,,,,,
PHL2007S	1/17/22 12:27	54.9	45.1	0.0	0.0	76.7	104.6	-0.45	-1.50	4.4	10.7	-31.12	Comments:,,,,,,
PHL2008D	8/2/21 10:05	53.5	46.5	0.0	0.0	103.9	106.4	-6.81	-6.76	0.0	0.0	-8.18	Comments:,,,,,,
PHL2008D	9/13/21 13:16	48.2	45.9	0.4	5.5	118.2	118.4	-5.33	-5.35	6.2	5.8	-5.35	Comments:,,,,,,
PHL2008D	10/4/21 10:59	52.2	47.4	0.0	0.4	110.4	110.7	-6.18	-6.25	0.0	0.0	-6.31	Comments:VALVE FULL OPEN,,,,,,
PHL2008D	11/10/21 13:42	50.2	44.7	0.3	4.8	100.4	100.5	-7.82	-7.80	0.9	4.0	-7.62	Comments:VALVE FULL OPEN,,,,,,
PHL2008D	12/28/21 12:19	50.0	50.0	0.0	0.0	62.9	63.1	-0.16	-0.15	0.0	3.5	-0.14	Comments:,,,,,,
PHL2008D	1/4/22 11:28	52.0	47.6	0.0	0.4	74.4	74.5	-0.97	-0.83	0.0	0.0	-0.33	Comments:,,,,,,
PHL2008S	8/2/21 10:09	52.1	47.9	0.0	0.0	76.5	76.3	-0.02	-0.01	0.0	0.0	-0.01	Comments:INCREASED FLOW/VACUUM,,,,,,
PHL2008S	9/13/21 13:14	49.8	47.9	0.0	2.3	124.9	125.1	-0.11	-0.10	10.4	10.2	-5.11	Comments:SURGING,SURGING LIQUID IN HEADER ,,,,,,
PHL2008S	10/4/21 11:01	37.6	39.1	0.0	23.3	126.1	126.2	-0.50	-0.48	0.0	0.0	-6.28	Comments:NO CHANGE,,,,,,
PHL2008S	11/10/21 13:44	32.7	35.0	0.0	32.3	123.0	120.8	-0.55	-0.20	9.4	2.7	-9.66	Comments:DECREASED FLOW/VACUUM,,,,,,
PHL2008S	12/28/21 12:17	48.2	51.8	0.0	0.0	52.2	52.5	0.45	0.45	0.0	0.0	-0.03	Comments:,,,,,,
PHL2008S	12/28/21 12:18	47.1	52.9	0.0	0.0	53.9	53.9	0.49	0.48	0.0	0.0	-0.03	Comments:,,,,,,
PHL2008S	12/28/21 12:20	47.8	52.2	0.0	0.0	63.6	63.8	-0.17	-0.17	3.0	3.0	-0.17	Comments:,,,,,,
PHL2008S	1/4/22 11:29	50.3	49.7	0.0	0.0	59.5	59.4	-1.69	-0.46	0.0	0.0	-0.44	Comments:,,,,,,
PHL2009D	8/2/21 11:48	51.7	47.9	0.0	0.4	84.5	84.7	-10.80	-10.80	5.0	4.9	-10.83	Comments:INCREASED FLOW/VACUUM,,,,,,
PHL2009D	9/13/21 10:12	43.7	43.5	1.5	11.3	90.8	91.2	-11.23	-10.83	0.0	0.0	-11.65	Comments:DECREASED FLOW/VACUUM,,,,,,
PHL2009D	10/4/21 10:21	48.8	47.0	0.3	3.9	85.8	85.8	-10.66	-10.66	0.5	0.0	-11.07	Comments:,,,,,,
PHL2009D	11/15/21 12:04	43.8	42.6	2.6	11.0	56.9	56.8	-17.34	-17.35	2.0	1.7	-19.67	Comments:,,,,,,
PHL2009D	12/21/21 12:22	50.8	48.4	0.0	0.8	49.3	49.3	-1.03	-1.06			-20.89	Comments:,,,,,,
PHL2009D	1/25/22 13:50	55.9	40.8	0.0	3.3	116.5	116.6	-3.65	-4.35	2.1	3.1	-29.46	Comments:INCREASED FLOW/VACUUM,,,,,,
PHL2009D	1/31/22 11:49	50.5	48.8	0.0	0.7	75.9	75.9	-28.22	-28.21	0.0	0.0	-28.75	Comments:,,,,,,
PHL2009S	8/2/21 11:50	56.7	43.3	0.0	0.0	114.1	114.3	-1.47	-1.47	11.5	11.4	-10.67	Comments:INCREASED FLOW/VACUUM,,,,,,
PHL2009S	9/13/21 10:14	55.9	43.1	0.0	1.0	115.0	115.4	-1.46	-1.60	10.8	14.1	-11.51	Comments:INCREASED FLOW/VACUUM,,,,,,
PHL2009S	10/4/21 10:23	55.9	42.2	0.0	1.9	115.5	115.9	-1.71	-2.28	16.3	22.5	-7.64	Comments:INCREASED FLOW/VACUUM,,,,,,
PHL2009S	11/15/21 12:07	45.1	38.1	0.0	16.8	114.7	114.4	-4.85	-3.55	27.7	16.7	-19.59	Comments:DECREASED FLOW/VACUUM,,,,,,
PHL2009S	12/21/21 12:16	50.1	39.3	0.0	10.6	110.3	110.4	-2.88	-2.88	17.6	18.0	-21.52	Comments:,,,,,,
PHL2009S	1/31/22 11:44	47.8	39.5	0.0	12.7	116.9	116.8	-5.51	-4.85	28.2	20.6	-29.43	Comments:DECREASED FLOW/VACUUM,,,,,,

Potrero Hills Landfill - Well Data - 08/01/2021 to 01/31/2022

Point Name	Record Date	CH4 [%]	CO2 [%]	O2 [%]	Bal Gas [%]	Init Temp [ ]	Adj Temp [ ]	Init Stat Press ["H2O]	Adj Stat Press ["H2O]	Init Flow [scfm]	Adj Flow [scfm]	Sys Pressure ["H2O]	Comments
PHL2010D	8/2/21 10:50	57.6	42.1	0.2	0.1	136.8	136.8	-12.51	-13.36	0.0	0.0		Comments:,,,,,,,
PHL2010D	8/2/21 10:51	57.5	41.6	0.6	0.3	136.9	136.9	-13.22	-13.21	0.0	0.0		Comments:,,,,,,,
PHL2010D	8/17/21 18:59	58.6	41.3	0.0	0.1	127.0	115.8	-11.19	-11.69	0.0	0.0		Comments:,,,,,,,
PHL2010D	9/13/21 10:49	58.3	40.6	0.0	1.1	130.1	130.6	-12.40	-12.08	0.0	0.0		Comments:,,,,,,,
PHL2010D	10/4/21 10:05	57.6	41.1	0.0	1.3	130.4	130.3	-13.25	-12.39	0.0	0.0	-13.17	Comments:VALVE FULL OPEN,,,,,,,
PHL2010D	11/15/21 12:19	56.0	41.7	0.6	1.7	55.9	55.9	-26.65	-27.20	31.2	38.4	-27.22	Comments:NO CHANGE,,,,,,,
PHL2010D	12/16/21 11:59	57.8	40.7	0.5	1.0	134.0	133.9	-18.80	-18.87	30.4	25.4	-20.37	Comments:DECREASED FLOW/VACUUM,,,,,,,
PHL2010D	12/16/21 12:00	56.6	41.6	0.5	1.3	133.8	133.8	-15.97	-14.30	26.1	21.9	-20.17	Comments:,,,,,,,
PHL2010D	12/21/21 11:17	57.6	40.8	0.2	1.4	134.7	134.4	-13.78	-8.04	27.7	18.9	-25.19	Comments:DECREASED FLOW/VACUUM,,,,,,,
PHL2010D	12/21/21 11:18	58.1	41.4	0.3	0.2	134.4	134.5	-4.73	-4.71	21.9	21.8	-24.43	Comments:,,,,,,,
PHL2010D	1/31/22 11:36	58.2	41.8	0.0	0.0	139.5	139.5	-1.07	-1.12	34.3	31.4	-17.11	Comments:,,,,,,,
PHL2010D	1/31/22 11:37	56.9	43.1	0.0	0.0	139.4	139.4	-2.30	-2.31	31.1	31.1	-17.07	Comments:,,,,,,,
PHL2010S	8/2/21 10:47	48.8	37.8	2.2	11.2	116.6	116.7	-0.65	-0.65	0.0	0.0		Comments:,,,,,,,
PHL2010S	9/13/21 10:51	56.6	42.1	0.0	1.3	121.3	121.8	-0.05	-0.10	0.0	0.0		Comments:,,,,,,,
PHL2010S	10/4/21 10:07	56.8	43.2	0.0	0.0	104.1	108.0	-0.05	-0.09	0.0	0.0	-14.15	Comments:INCREASED FLOW/VACUUM,,,,,,,
PHL2010S	11/15/21 12:21	49.5	40.5	0.7	9.3	80.5	82.2	-0.01	-0.03	0.0	6.6	-26.69	Comments:NO CHANGE,,,,,,,
PHL2010S	12/16/21 12:04	29.0	25.4	4.8	40.8	114.4	113.2	-0.81	-0.78	4.6	4.5	-19.49	Comments:MINIMAL VACUUM SETTING,,,,,,,
PHL2010S	1/31/22 11:39	56.0	44.0	0.0	0.0	115.1	115.8	-0.11	-0.13	13.4	13.4	-15.38	Comments:,,,,,,,
PHL2011D	8/2/21 11:16	53.7	46.3	0.0	0.0	112.8	112.8	-11.59	-11.58	0.0	0.0		Comments:,,,,,,,
PHL2011D	9/13/21 9:19	56.0	43.3	0.0	0.7	107.6	107.8	-8.37	-8.37	0.0	0.0		Comments:,,,,,,,
PHL2011D	10/4/21 9:28	54.4	45.6	0.0	0.0	110.6	110.7	-12.15	-12.14	4.2	4.0	-12.14	Comments:VALVE FULL OPEN,,,,,,,
PHL2011D	11/15/21 10:29	52.9	47.1	0.0	0.0	62.4	62.0	-22.84	-22.84	0.0	0.0	-22.84	Comments:NO CHANGE,,,,,,,
PHL2011D	12/16/21 11:39	51.7	46.3	0.0	2.0	109.9	109.9	-20.09	-20.09	1.3	1.6	-19.79	Comments:VALVE FULL OPEN,,,,,,,
PHL2011D	1/17/22 14:06	51.7	45.8	0.0	2.5	112.7	112.6	-20.71	-20.68	4.0	4.6	-20.58	Comments:VALVE FULL OPEN,,,,,,,
PHL2011S	8/2/21 11:15	53.4	46.6	0.0	0.0	126.9	127.0	-0.60	-0.59	0.0	0.0		Comments:,,,,,,,
PHL2011S	9/13/21 9:20	51.5	46.0	0.0	2.5	127.3	127.3	-0.48	-0.49	0.0	0.0		Comments:,,,,,,,
PHL2011S	10/4/21 9:31	50.2	46.7	0.0	3.1	126.8	127.0	-0.78	-0.78	19.6	20.2	-12.18	Comments:INCREASED FLOW/VACUUM,,,,,,,
PHL2011S	11/15/21 10:27	51.9	45.2	0.0	2.9	125.0	125.2	-1.40	-1.41	27.4	27.9	-23.11	Comments:NO CHANGE,,,,,,,
PHL2011S	12/16/21 11:41	49.3	43.5	0.0	7.2	126.4	126.5	-1.25	-1.23	21.2	21.3	-20.26	Comments:,,,,,,,
PHL2011S	1/17/22 14:07	54.1	45.4	0.0	0.5	128.2	128.2	-1.13	-1.13	22.3	22.3	-20.62	Comments:,,,,,,,
PHL2012D	8/2/21 11:06	54.7	45.3	0.0	0.0	127.7	128.0	-10.50	-10.49	0.0	0.0		Comments:,,,,,,,
PHL2012D	9/13/21 9:28	53.0	43.4	0.0	3.6	126.7	127.3	-6.99	-8.26	0.0	0.0		Comments:,,,,,,,
PHL2012D	10/4/21 9:33	55.7	44.2	0.0	0.1	127.8	128.1	-10.41	-10.40	13.7	13.9	-10.40	Comments:VALVE FULL OPEN,,,,,,,
PHL2012D	11/15/21 10:22	54.1	45.9	0.0	0.0	101.4	101.3	-20.06	-20.06	17.6	17.8	-20.06	Comments:NO CHANGE,,,,,,,
PHL2012D	12/16/21 11:44	54.8	45.1	0.0	0.1	128.4	128.4	-17.56	-17.56	19.0	19.0	-18.31	Comments:VALVE FULL OPEN,,,,,,,
PHL2012D	1/17/22 13:59	53.8	44.7	0.0	1.5	129.0	129.1	-16.96	-16.97	15.2	18.4	-17.75	Comments:VALVE FULL OPEN,,,,,,,
PHL2012S	8/2/21 11:08	49.5	50.5	0.0	0.0	131.5	131.4	-0.11	-0.16	0.0	0.0		Comments:,,,,,,,
PHL2012S	8/2/21 11:09	48.2	51.8	0.0	0.0	131.2	131.1	-0.26	-0.25	0.0	0.0		Comments:,,,,,,,
PHL2012S	8/17/21 19:15	48.8	47.2	0.0	4.0	127.8	127.8	-0.48	-0.47	0.0	0.0		Comments:,,,,,,,
PHL2012S	9/13/21 9:30	50.6	48.0	0.0	1.4	128.1	128.2	-0.34	-0.35	0.0	0.0		Comments:,,,,,,,
PHL2012S	10/4/21 9:36	48.1	48.9	0.0	3.0	126.2	126.3	-0.59	-0.57	26.9	29.1	-11.24	Comments:INCREASED FLOW/VACUUM,,,,,,,
PHL2012S	11/15/21 10:24	49.7	50.3	0.0	0.0	124.8	124.9	-1.20	-1.22	41.8	41.8	-21.61	Comments:NO CHANGE,,,,,,,
PHL2012S	12/16/21 11:46	51.6	48.3	0.0	0.1	124.2	124.7	-1.21	-1.75	39.2	55.1	-17.32	Comments:INCREASED FLOW/VACUUM,,,,,,,
PHL2012S	1/17/22 14:02	51.1	46.8	0.0	2.1	130.9	131.0	-1.83	-1.82	40.8	40.8	-19.25	Comments:,,,,,,,
PHL2012S	1/17/22 14:03	51.2	48.5	0.0	0.3	130.8	130.8	-1.77	-1.77	39.7	39.8	-19.23	Comments:,,,,,,,
PHL2013D	8/2/21 12:14	59.2	40.8	0.0	0.0	139.4	139.5	-1.27	-1.95	0.0	0.0		Comments:,,,,,,,
PHL2013D	8/2/21 12:16	58.8	41.2	0.0	0.0	139.7	139.7	-2.28	-2.29	0.0	0.0		Comments:,,,,,,,
PHL2013D	8/17/21 19:57	59.0	41.0	0.0	0.0	129.4	116.9	-3.05	-2.99	0.0	0.0		Comments:,,,,,,,
PHL2013D	9/13/21 9:39	58.8	41.2	0.0	0.0	139.2	139.2	-1.75	-3.79	0.0	0.0		Comments:,,,,,,,
PHL2013D	9/13/21 9:40	58.0	42.0	0.0	0.0	139.3	139.4	-3.66	-3.65	0.0	0.0		Comments:,,,,,,,
PHL2013D	9/20/21 9:58	58.2	40.7	0.0	1.1	122.5	124.0	-5.77	-5.79	48.4	48.4	-12.47	Comments:,,,,,,,
PHL2013D	10/4/21 10:28	58.3	38.8	0.0	2.9	138.1	138.4	-6.12	-8.98	38.0	41.4	-11.51	Comments:,,,,,,,
PHL2013D	10/4/21 10:29	58.7	40.5	0.0	0.8	138.6	138.6	-9.32	-9.32	39.7	39.7	-11.45	Comments:,,,,,,,
PHL2013D	10/13/21 11:33	59.3	40.6	0.2		138.0	138.1	-4.90	-4.90	38.9	37.9	-6.93	Comments:VALVE FULL OPEN,,,,,,,
PHL2013D	10/13/21 11:34	59.1	40.8	0.1	0.0	138.1	138.1	-5.03	-5.02	38.0	38.0	-6.84	Comments:VALVE FULL OPEN,,,,,,,
PHL2013D	10/22/21 11:34	58.6	41.4	0.0	0.0	138.8	138.8	-9.75	-0.45	36.4	31.6	-12.57	Comments:DECREASED FLOW/VACUUM,,,,,,,
PHL2013D	10/22/21 11:35	58.0	42.0	0.0	0.0	138.8	138.8	-0.42	-0.42	32.0	31.9	-12.73	Comments:SECOND READING,,,,,,,
PHL2013D	11/15/21 12:39	59.9	39.6	0.0	0.5	137.7	137.8	-7.67	-9.72	39.5	42.1	-25.18	Comments:,,,,,,,
PHL2013D	11/15/21 12:43	59.5	40.1	0.0	0.4	137.8	137.9	-12.06	-12.04	41.2	41.2	-26.79	Comments:,,,,,,,
PHL2013D	11/22/21 11:47	57.5	42.5	0.0	0.0	137.3	137.3	-9.86	-9.86	38.0	38.0	-22.75	Comments:,,,,,,,
PHL2013D	11/22/21 11:47	57.5	42.5	0.0	0.0	137.4	137.4	-13.66	-13.67	40.9	41.0	-23.24	Comments:,,,,,,,
PHL2013D	12/21/21 12:02	58.8	40.2	0.0	1.0	134.2	134.7	-19.93	-15.37	37.2	32.2	-25.53	Comments:DECREASED FLOW/VACUUM,,,,,,,
PHL2013D	12/21/21 12:03	58.7	41.3	0.0	0.0	134.3	134.3	-13.84	-13.83	34.4	33.4	-25.67	Comments:,,,,,,,
PHL2013D	1/25/22 13:57	58.4	40.1	0.0	1.5	137.5	137.8	-16.43	-2.24	36.6	30.4	-29.21	Comments:DECREASED FLOW/VACUUM,,,,,,,
PHL2013D	1/25/22 13:58	58.7	40.3	0.0	1.0	137.8	137.7	-0.42	-0.43	30.4	30.3	-30.01	Comments:,,,,,,,
PHL2013S	8/2/21 12:18	52.7	39.7	0.0	7.6	120.8	120.8	-2.67	-2.68	0.0	0.0		Comments:,,,,,,,
PHL2013S	9/13/21 9:41	50.0	40.4	0.0	9.6	120.8	120.9	-2.35	-2.35	0.0	0.0		Comments:,,,,,,,
PHL2013S	10/4/21 10:31	47.0	37.5	0.0	15.5	120.3	120.4	-2.82	-2.60	31.7	24.2	-13.21	Comments:,,,,,,,

Potrero Hills Landfill - Well Data - 08/01/2021 to 01/31/2022

Point Name	Record Date	CH4 [%]	CO2 [%]	O2 [%]	Bal Gas [%]	Init Temp [ ]	Adj Temp [ ]	Init Stat Press ["H2O]	Adj Stat Press ["H2O]	Init Flow [scfm]	Adj Flow [scfm]	Sys Pressure ["H2O]	Comments
PHL2013S	11/15/21 12:41	43.8	35.7	0.0	20.5	120.1	120.1	-3.28	-2.74	33.6	18.3	-25.93	Comments:DECREASED FLOW/VACUUM,,,,,,
PHL2013S	12/21/21 12:05	45.2	38.2	0.0	16.6	119.5	119.2	-1.74	-1.24	17.7	12.0	-25.21	Comments:DECREASED FLOW/VACUUM,,,,,,
PHL2013S	1/25/22 14:00	57.2	40.8	0.0	2.0	122.4	123.1	-0.52	-0.69	16.2	20.5	-28.87	Comments:INCREASED FLOW/VACUUM,,,,,,
PHL2014D	8/2/21 12:15	52.8	47.2	0.0	0.0	88.4	90.3	-2.43	-6.76	0.0	0.0		Comments:,,,,,,
PHL2014D	9/13/21 8:44	51.5	48.5	0.0	0.0	81.1	81.0	-5.86	-5.92	0.0	0.0		Comments:,,,,,,
PHL2014D	10/4/21 8:33	51.1	48.9	0.0	0.0	77.7	77.8	-7.97	-8.55	2.0	2.4	-4.60	Comments:INCREASED FLOW/VACUUM,,,,,,
PHL2014D	11/15/21 9:31	50.3	49.6	0.1	0.0	53.3	53.3	31.51	31.52	0.0	0.0	31.53	Comments:,,,,,,
PHL2014D	11/15/21 9:31	49.6	50.4	0.0	0.0	53.1	53.1	31.97	31.97	0.0	0.0	31.97	Comments:SECOND READING,,,,,,
PHL2014D	11/30/21 11:11	51.9	46.1	0.0	2.0	85.2	85.1	-17.33	-17.34	0.0	0.0	-19.97	Comments:,,,,,,
PHL2014D	12/16/21 11:04	30.0	31.5	7.6	30.9	57.0	57.3	-22.58	-19.96	0.0	0.0	-23.95	Comments:,,,,,,
PHL2014D	12/16/21 11:06	14.4	14.8	15.0	55.8	58.2	58.2	-20.58	-20.57	0.0	0.0	-23.28	Comments:MINIMAL VACUUM SETTING,,,,,,
PHL2014D	12/21/21 10:59	52.3	47.2	0.0	0.5	57.0	57.3	-0.82	-1.47	0.0	0.0	-25.18	Comments:,,,,,,
PHL2014D	1/17/22 13:04	50.3	49.4	0.0	0.3	81.4	81.4	-8.81	-11.47	8.6	8.5	-30.66	Comments:,,,,,,
PHL2014S	8/2/21 12:17	55.2	40.5	0.0	4.3	111.6	111.7	-3.08	-3.16	0.0	0.0		Comments:,,,,,,
PHL2014S	9/13/21 8:45	46.5	37.9	0.0	15.6	108.9	109.3	-3.25	-3.25	0.0	0.0		Comments:,,,,,,
PHL2014S	10/4/21 8:39	45.3	39.4	0.0	15.3	110.1	110.2	-4.21	-4.21	14.1	16.0	-13.11	Comments:NO CHANGE,,,,,,
PHL2014S	11/15/21 9:33	47.7	38.4	0.0	13.9	106.5	106.6	-7.22	-7.22	18.1	18.1	-26.41	Comments:NO CHANGE,,,,,,
PHL2014S	12/16/21 11:08	48.1	36.7	0.0	15.2	107.3	107.3	-6.85	-6.37	17.7	14.4	-23.95	Comments:DECREASED FLOW/VACUUM,,,,,,
PHL2014S	1/17/22 13:06	56.4	40.3	0.0	3.3	109.9	110.1	-6.07	-6.73	18.1	20.6	-30.51	Comments:,,,,,,
PHL2015D	8/2/21 9:44	56.6	43.1	0.4		128.6	128.6	-8.04	-8.01	0.0	0.0		Comments:,,,,,,
PHL2015D	9/13/21 12:36	53.7	41.8	0.0	4.5	130.1	130.2	-7.03	-7.04	0.0	0.0		Comments:,,,,,,
PHL2015D	10/4/21 10:30	57.2	42.7	0.0	0.1	128.4	128.5	-7.64	-7.64	0.0	0.0	-10.20	Comments:INCREASED FLOW/VACUUM,,,,,,
PHL2015D	11/10/21 12:15	57.6	42.2	0.0	0.2	129.2	129.2	-10.29	-10.29	47.5	48.3	-13.04	Comments:VALVE FULL OPEN,,,,,,
PHL2015D	12/28/21 11:23	55.2	44.6	0.2	0.0	129.3	129.4	-15.75	-15.76	61.3	62.0	-21.20	Comments:,,,,,,
PHL2015D	1/4/22 10:34	56.1	43.9	0.0	0.0	130.4	130.4	-14.11	-14.11	52.4	50.5	-17.86	Comments:VALVE FULL OPEN,,,,,,
PHL2015S	8/2/21 9:47	52.0	41.7	0.0	6.3	118.6	119.4	-0.04	-0.14	0.0	0.0		Comments:,,,,,,
PHL2015S	9/13/21 12:34	45.4	41.3	0.0	13.3	124.4	124.5	-0.17	-0.17	0.0	0.0		Comments:,,,,,,
PHL2015S	10/4/21 10:32	47.0	41.0	0.0	12.0	121.3	122.1	-0.20	-0.21	0.0	15.5	-10.77	Comments:INCREASED FLOW/VACUUM,,,,,,
PHL2015S	11/10/21 12:13	42.7	40.2	0.1	17.0	122.1	121.9	-0.32	-0.27	13.3	10.7	-14.17	Comments:DECREASED FLOW/VACUUM,,,,,,
PHL2015S	12/28/21 11:25	53.4	45.6	0.0	1.0	120.4	121.0	-0.23	-0.28	12.9	17.3	-20.84	Comments:,,,,,,
PHL2015S	1/4/22 10:36	54.5	45.5	0.0	0.0	121.7	122.1	-0.32	-0.39	16.0	21.0	-17.47	Comments:INCREASED FLOW/VACUUM,,,,,,
PHL2016D	8/2/21 10:47	48.5	51.5	0.0	0.0	125.6	126.0	-5.33	-5.33	0.0	0.0		Comments:,,,,,,
PHL2016D	9/13/21 13:25	45.9	50.3	0.0	3.8	130.4	130.5	-4.47	-4.46	0.0	0.0		Comments:,,,,,,
PHL2016D	10/4/21 11:19	47.3	51.0	0.1	1.6	121.6	121.8	-4.92	-4.93	0.0	0.0	-13.96	Comments:NO CHANGE,,,,,,
PHL2016D	11/10/21 12:38	48.5	50.4	0.0	1.1	124.9	124.9	-6.43	-6.42	2.7	2.7	-17.79	Comments:,,,,,,
PHL2016D	12/28/21 11:45	44.8	55.2	0.0	0.0	117.7	117.4	-9.86	-9.86	3.7	3.6	-29.59	Comments:MINIMAL VACUUM SETTING,,,,,,
PHL2016D	1/4/22 11:00	47.1	52.9	0.0	0.0	116.9	117.1	-8.87	-8.87	0.0	0.0	-24.85	Comments:MINIMAL VACUUM SETTING,,,,,,
PHL2016S	8/2/21 10:50	52.8	45.5	0.0	1.7	133.4	133.7	-0.87	-0.86	0.0	0.0		Comments:,,,,,,
PHL2016S	8/2/21 10:52	52.9	45.6	0.0	1.5	133.9	133.9	-0.92	-0.93	0.0	0.0		Comments:,,,,,,
PHL2016S	8/17/21 18:39	46.3	44.6	0.6	8.5	126.1	120.1	-0.73	-0.73	0.0	0.0		Comments:,,,,,,
PHL2016S	9/13/21 13:28	43.3	43.1	0.0	13.6	130.5	130.2	-0.57	-0.57	0.0	0.0		Comments:,,,,,,
PHL2016S	10/4/21 11:22	46.0	43.3	0.0	10.7	109.8	109.9	-0.62	-0.63	0.0	0.0	-14.80	Comments:NO CHANGE,,,,,,
PHL2016S	11/10/21 12:41	44.7	42.5	0.0	12.8	133.8	133.8	-0.43	-0.38	13.0	12.1	-18.80	Comments:DECREASED FLOW/VACUUM,,,,,,
PHL2016S	11/10/21 12:42	44.4	43.0	0.0	12.6	133.7	133.7	-0.33	-0.33	9.9	10.0	-18.64	Comments:,,,,,,
PHL2016S	11/15/21 10:40	47.6	44.3	0.0	8.1	130.7	130.8	-0.59	-0.59	16.2	16.0	-27.95	Comments:,,,,,,
PHL2016S	12/28/21 11:46	48.9	51.1	0.0	0.0	129.0	129.1	-0.57	-0.56	16.3	16.2	-32.67	Comments:,,,,,,
PHL2016S	1/4/22 11:02	50.6	49.4	0.0	0.0	129.1	129.1	-0.45	-0.45	16.8	16.7	-25.99	Comments:,,,,,,
PHL2017D	8/2/21 11:02	51.6	41.9	0.0	6.5	125.7	126.3	-0.69	-0.69	0.0	0.0		Comments:,,,,,,
PHL2017D	9/20/21 8:57	43.1	38.6	0.0	18.3	125.5	125.8	-0.54	-0.54	33.5	33.5	-14.70	Comments:,,,,,,
PHL2017D	10/4/21 11:39	42.7	39.0	0.0	18.3	125.2	125.4	-0.50	-0.50	0.0	0.0	-14.68	Comments:NO CHANGE,,,,,,
PHL2017D	11/10/21 12:51	39.0	35.4	0.0	25.6	127.3	127.3	-0.61	-0.40	20.0	12.8	-18.26	Comments:DECREASED FLOW/VACUUM,,,,,,
PHL2017D	12/28/21 11:59	54.8	45.2	0.0	0.0	128.8	128.9	-0.35	-0.34	16.1	16.1	-31.27	Comments:,,,,,,
PHL2017D	1/4/22 11:12	55.0	45.0	0.0	0.0	126.9	127.4	-0.47	-0.42	16.2	20.0	-24.32	Comments:INCREASED FLOW/VACUUM,,,,,,
PHL2017S	8/2/21 11:04	53.6	46.4	0.0	0.0	100.5	101.6	-1.91	-1.92	0.0	0.0		Comments:,,,,,,
PHL2017S	9/20/21 9:00	51.6	46.5	0.0	1.9	108.7	110.9	-2.91	-5.24	28.5	28.7	-14.87	Comments:,,,,,,
PHL2017S	10/4/21 11:42	51.3	45.8	0.0	2.9	116.1	117.4	-5.81	-5.81	0.0	0.0	-14.55	Comments:INCREASED FLOW/VACUUM,,,,,,
PHL2017S	11/10/21 12:53	53.3	45.1	0.0	1.6	120.6	120.8	-10.11	-10.60	2.3	2.5	-18.08	Comments:,,,,,,
PHL2017S	12/28/21 12:00	50.3	49.7	0.0	0.0	119.9	120.0	-19.70	-19.70	0.0	1.3	-29.34	Comments:,,,,,,
PHL2017S	1/4/22 11:14	52.4	47.6	0.0	0.0	117.7	117.4	-16.95	-16.94	0.0	0.0	-24.77	Comments:,,,,,,
PHL2101D	1/25/22 12:21	58.7	41.3	0.0	0.0	110.4	112.0	1.84	-0.42	14.6	23.9	-21.55	Comments:,,,,,,
PHL2101D	1/31/22 11:57	59.3	40.7	0.0	0.0	115.0	115.3	-4.48	-5.13	20.8	26.1	-21.55	Comments:,,,,,,
PHL2101S	1/25/22 12:14	50.8	49.1	0.0	0.1	98.7	99.4	-0.12	-0.13	32.1	32.1	-22.71	Comments:,,,,,,
PHL2101S	1/31/22 11:56	43.9	55.4	0.0	0.7	122.3	122.5	-0.37	-0.33	12.9	11.1	-21.88	Comments:,,,,,,
PHL2102D	1/25/22 12:28	60.6	39.4	0.0	0.0	110.9	111.0	-0.19	-0.15	24.0	31.3	-19.98	Comments:,,,,,,
PHL2102D	1/31/22 12:03	54.9	45.1	0.0	0.0	115.6	115.6	-1.60	-2.08	28.4	39.2	-21.43	Comments:,,,,,,
PHL2102S	1/25/22 12:25	51.9	45.3	0.0	2.8	125.3	125.4	-0.12	-0.12	19.7	19.6	-21.66	Comments:,,,,,,
PHL2102S	1/31/22 12:01	45.6	52.2	0.0	2.2	135.0	135.0	-0.37	-0.31	16.7	15.4	-20.25	Comments:,,,,,,
PHL2102S	1/31/22 12:01	44.9	54.2	0.0	0.9	134.7	134.7	-0.21	-0.21	14.8	14.8	-20.93	Comments:,,,,,,

Potrero Hills Landfill - Well Data - 08/01/2021 to 01/31/2022

Point Name	Record Date	CH4 [%]	CO2 [%]	O2 [%]	Bal Gas [%]	Init Temp [ ]	Adj Temp [ ]	Init Stat Press ["H2O]	Adj Stat Press ["H2O]	Init Flow [scfm]	Adj Flow [scfm]	Sys Pressure ["H2O]	Comments
PHL2104D	1/25/22 12:35	53.0	47.0	0.0	0.0	116.3	116.2	-0.17	-0.16	16.3	16.5	-21.29	Comments:,,,,,,,
PHL2104D	1/31/22 12:10	51.4	48.6	0.0	0.0	125.4	125.4	-0.62	-0.57	14.7	14.9	-21.27	Comments:,,,,,,,
PHL2104S	1/25/22 12:33	50.1	47.6	0.0	2.3	117.0	117.1	-0.10	-0.11	19.9	20.0	-20.90	Comments:,,,,,,,
PHL2104S	1/31/22 12:07	50.1	49.9	0.0	0.0	131.8	131.7	-0.47	-0.38	18.4	15.5	-18.90	Comments:,,,,,,,
PHL2104S	1/31/22 12:08	48.9	51.1	0.0	0.0	131.3	131.3	-0.25	-0.26	14.0	14.1	-20.04	Comments:,,,,,,,
PHL2114D	1/13/22 13:50	22.7	45.5	6.3	25.5	68.6	68.7	-26.12	-25.98	0.0	1.5	-27.30	Comments:,,,,,,,
PHL2114D	1/13/22 13:51	22.8	45.9	6.4	24.9	68.7	68.7	-25.58	-25.58	1.9	2.2	-27.34	Comments:,,,,,,,
PHL2114D	1/17/22 13:43	15.5	28.7	11.4	44.4	70.6	69.9	-21.13	-8.04	0.0	35.7	-23.78	Comments:,,,,,,,
PHL2114D	1/17/22 13:44	14.1	24.8	12.4	48.7	70.8	70.8	-19.76	-19.77	15.1	15.1	-23.49	Comments:,,,,,,,
PHL2114S	1/13/22 13:54	25.8	23.0	10.7	40.5	68.0	68.1	-1.38	-1.36	7.9	7.8	-27.49	Comments:,,,,,,,
PHL2114S	1/13/22 13:55	26.4	22.7	10.6	40.3	69.2	69.2	-0.86	-0.86	7.1	7.2	-27.51	Comments:,,,,,,,
PHL2114S	1/17/22 13:47	54.5	45.5	0.1		77.1	77.1	-2.22	-2.77	5.7	21.6	-23.65	Comments:,,,,,,,
PHL2115D	1/13/22 14:40	49.2	50.2	0.0	0.6	124.0	124.3	-21.70	-21.68	2.0	2.0	-26.87	Comments:,,,,,,,
PHL2115D	1/17/22 12:20	49.1	49.7	0.0	1.2	119.1	118.2	-19.10	-8.08	1.6	37.5	-32.66	Comments:,,,,,,,
PHL2115S	1/13/22 14:38	56.2	43.8	0.0	0.0	104.5	102.4	-13.23	-11.68	6.7	5.8	-27.04	Comments:,,,,,,,
PHL2115S	1/17/22 12:17	57.8	40.7	0.0	1.5	121.1	120.8	-11.49	-12.85	6.5	17.7	-30.96	Comments:,,,,,,,
PHL2116D	1/13/22 14:34	36.1	62.6	0.1	1.2	76.0	74.4	-26.73	-26.60	1.8	1.6	-26.95	Comments:,,,,,,,
PHL2116D	1/17/22 12:07	11.6	20.2	14.3	53.9	72.4	74.2	-15.23	-8.87	3.4	31.0	-31.92	Comments:,,,,,,,
PHL2116D	1/17/22 12:09	37.1	62.6	0.3	0.0	83.9	83.6	-23.94	-24.02	19.6	19.5	-32.15	Comments:,,,,,,,
PHL2116S	1/13/22 14:32	54.5	45.5	0.0	0.0	122.6	122.2	-5.94	-5.79	11.0	6.8	-27.08	Comments:,,,,,,,
PHL2116S	1/17/22 12:13	55.5	44.5	0.0	0.0	120.2	114.9	-4.93	-5.19	8.7	31.7	-31.56	Comments:,,,,,,,
PHL2117D	1/13/22 14:29	45.9	52.5	0.0	1.6	124.8	119.1	-24.85	-23.21	1.0	1.9	-26.93	Comments:,,,,,,,
PHL2117D	1/17/22 12:03	45.8	54.2	0.0	0.0	111.7	114.4	-27.13	-19.45	0.0	32.5	-32.03	Comments:,,,,,,,
PHL2117S	1/13/22 14:26	50.6	43.9	0.0	5.5	133.2	133.3	-0.51	-0.49	10.5	10.6	-26.97	Comments:,,,,,,,
PHL2117S	1/13/22 14:27	50.0	43.8	0.0	6.2	133.2	133.2	-0.46	-0.46	9.6	9.7	-26.89	Comments:,,,,,,,
PHL2117S	1/17/22 11:48	55.7	43.5	0.0	0.8	136.1	134.2	-0.68	-0.55	12.0	26.6	-31.45	Comments:,,,,,,,
PHL2117S	1/17/22 11:59	54.5	43.7	0.0	1.8	135.6	135.0	-0.68	-0.55	20.5	20.2	-31.88	Comments:,,,,,,,
PHL2118D	1/13/22 14:11	48.0	49.8	0.0	2.2	149.6	152.0	6.02	-0.50	16.2	21.8	-27.10	Comments:,,,,,,,
PHL2118D	1/13/22 14:14	47.4	52.3	0.0	0.3	152.2	152.0	-1.34	-1.18	21.2	20.1	-27.56	Comments:,,,,,,,
PHL2118D	1/17/22 11:03	47.5	52.5	0.0	0.0	149.2	145.3	-13.61	-5.12	16.2	21.0	-32.01	Comments:,,,,,,,
PHL2118D	1/25/22 11:52	48.8	50.5	0.0	0.7	148.6	148.4	-1.36	-1.32	16.0	16.0	-22.59	Comments:,,,,,,,
PHL2118D	1/25/22 11:52	48.2	51.4	0.0	0.4	148.5	148.6	-0.86	-0.87	16.3	16.3	-21.94	Comments:,,,,,,,
PHL2118D	1/31/22 10:41	48.1	51.9	0.0	0.0	147.6	146.4	-7.97	-5.49	13.6	10.8	-21.37	Comments:,,,,,,,
PHL2118D	1/31/22 10:42	47.8	52.2	0.0	0.0	146.5	146.4	-5.19	-5.19	10.8	10.5	-22.69	Comments:,,,,,,,
PHL2118S	1/13/22 14:08	53.7	43.1	0.0	3.2	125.9	125.3	-0.70	-0.54	13.1	10.5	-27.02	Comments:,,,,,,,
PHL2118S	1/17/22 10:58	54.5	40.8	0.0	4.7	125.5	126.0	-0.91	-1.06	11.9	16.9	-31.52	Comments:,,,,,,,
PHL2119D	1/25/22 11:15	56.5	43.5	0.0	0.0	143.2	136.4	-19.91	-10.99	35.8	18.8	-22.44	Comments:,,,,,,,
PHL2119D	1/25/22 11:16	55.9	44.1	0.0	0.0	136.9	136.9	-10.16	-10.16	19.5	19.5	-23.30	Comments:,,,,,,,
PHL2119D	1/31/22 10:19	55.8	44.2	0.0	0.0	141.7	141.8	-0.14	-0.20	33.9	36.7	-24.08	Comments:,,,,,,,
PHL2119D	1/31/22 10:20	55.6	44.4	0.0	0.0	142.3	142.3	-1.85	-1.86	32.2	35.5	-24.89	Comments:,,,,,,,
PHL2119S	1/25/22 11:12	52.6	46.3	0.0	1.1	126.0	126.2	-0.25	-0.25	18.8	20.9	-22.46	Comments:,,,,,,,
PHL2119S	1/31/22 10:16	51.3	46.8	0.0	1.9	125.8	125.8	-0.33	-0.33	13.2	13.2	-24.73	Comments:,,,,,,,
PHL2120D	1/25/22 11:36	54.7	42.9	0.0	2.4	141.1	141.4	-0.54	-0.53	16.5	16.4	-22.54	Comments:,,,,,,,
PHL2120D	1/25/22 11:38	55.3	44.1	0.0	0.6	144.2	144.2	-0.12	-0.15	35.5	35.5	-20.23	Comments:,,,,,,,
PHL2120D	1/31/22 10:30	55.3	44.7	0.0	0.0	148.1	148.3	-0.61	-0.59	16.2	17.4	-24.36	Comments:,,,,,,,
PHL2120D	1/31/22 10:31	54.4	45.6	0.0	0.0	148.3	148.3	-0.68	-0.69	16.8	16.5	-23.91	Comments:,,,,,,,
PHL2120S	1/25/22 11:33	53.3	45.8	0.0	0.9	130.8	130.9	-1.62	-1.62	25.4	25.3	-23.51	Comments:,,,,,,,
PHL2120S	1/31/22 10:23	52.9	47.1	0.0	0.0	132.2	132.1	-0.47	-0.44	9.5	10.6	-21.54	Comments:,,,,,,,
PHL2120S	1/31/22 10:23	52.3	47.7	0.0	0.0	132.0	132.0	-0.45	-0.45	9.2	11.2	-20.70	Comments:,,,,,,,
PHL2121D	1/25/22 13:42	59.1	40.9	0.0	0.0	134.9	135.4	0.69	-0.53	21.5	21.1	-28.46	Comments:,,,,,,,
PHL2121D	1/25/22 13:43	59.0	40.9	0.0	0.1	135.4	135.4	-0.16	-0.16	20.9	20.9	-28.80	Comments:,,,,,,,
PHL2121D	1/31/22 11:07	58.0	42.0	0.0	0.0	135.4	135.3	-2.42	-1.87	21.0	19.5	-27.54	Comments:,,,,,,,
PHL2121D	1/31/22 11:08	58.2	41.8	0.0	0.0	135.1	135.1	-1.29	-1.28	19.1	19.2	-28.40	Comments:,,,,,,,
PHL2121S	1/25/22 13:39	35.4	35.5	0.1	29.0	137.4	134.4	-2.61	-0.91	39.5	21.2	-28.07	Comments:,,,,,,,
PHL2121S	1/25/22 13:40	38.0	36.1	0.6	25.3	134.4	134.4	-0.76	-0.75	21.2	21.3	-29.58	Comments:,,,,,,,
PHL2121S	1/31/22 11:05	27.0	32.6	0.0	40.4	133.4	133.7	-0.54	-0.53	9.4	8.7	-28.53	Comments:,,,,,,,
PHL2121S	1/31/22 11:06	27.0	33.1	0.0	39.9	133.3	133.3	-0.51	-0.51	9.9	8.6	-27.79	Comments:,,,,,,,
PHL2122S	1/25/22 14:09	55.1	41.8	0.0	3.1	121.4	121.4	-4.36	-4.38	17.3	16.7	-28.76	Comments:,,,,,,,
PHL2122S	1/31/22 11:15	55.8	41.4	0.0	2.8	120.6	121.4	-4.33	-5.45	19.1	20.3	-28.84	Comments:,,,,,,,
PHL2123D	12/16/21 14:03	57.8	41.4	0.0	0.8	102.7	102.8	-17.96	-17.92	0.0	0.0	-20.05	Comments:,,,,,,,
PHL2123D	1/25/22 14:39	56.7	40.4	0.0	2.9	127.9	128.3	-20.19	-21.04	6.3	6.3	-26.83	Comments:,,,,,,,
PHL2123S	12/16/21 14:01	55.8	41.5	0.0	2.7	116.1	116.1	-2.07	-2.07	0.0	0.0	-20.19	Comments:,,,,,,,
PHL2123S	1/25/22 14:37	56.2	41.5	0.0	2.3	123.2	123.8	-1.28	-1.37	6.9	11.8	-27.87	Comments:,,,,,,,
PHL2124D	12/16/21 14:16	58.1	40.8	0.0	1.1	132.6	132.6	-0.30	-0.29	0.0	0.0	-22.51	Comments:,,,,,,,
PHL2124D	12/16/21 14:17	57.5	42.5	0.0	0.0	132.8	132.8	-0.22	-0.22	0.0	0.0	-22.43	Comments:,,,,,,,
PHL2124D	12/21/21 11:25	58.5	41.5	0.0	0.0	135.9	135.8	-0.86	-1.15	42.9	30.2	-23.24	Comments:,,,,,,,
PHL2124D	12/21/21 11:26	58.2	41.8	0.0	0.0	135.4	135.4	-0.59	-0.59	28.9	28.9	-23.47	Comments:,,,,,,,
PHL2124D	1/25/22 14:33	57.1	39.1	0.0	3.8	138.6	138.6	-8.34	-6.38	27.8	18.8	-28.20	Comments:,,,,,,,
PHL2124D	1/25/22 14:34	57.7	41.3	0.0	1.0	138.1	138.1	-5.11	-5.10	18.4	18.3	-29.43	Comments:,,,,,,,
PHL2124S	12/16/21 14:10	43.5	38.9	0.0	17.6	115.9	116.1	-0.99	-0.98	0.0	0.0	-20.82	Comments:,,,,,,,
PHL2124S	1/25/22 14:31	56.2	42.0	0.0	1.8	125.7	125.8	-0.10	-0.12	11.5	11.5	-28.74	Comments:,,,,,,,
PHLF2005	8/23/21 8:25	46.1	38.6	0.1	15.2	108.6	108.8	-6.62	-6.60	0.0	0.0	-6.60	Comments:DECREASED FLOW/VACUUM,,,,,,,
PHLF2005	8/23/21 8:25	46.1	38.6	0.1	15.2	108.6	108.8	-6.62	-6.60	0.0	0.0	-6.60	Comments:DECREASED FLOW/VACUUM,,,,,,,
PHLF2005	9/13/21 9:23	46.2	38.2	0.0	15.6	110.6	110.8	-6.98	-6.99	0.0	0.0	-10.04	Comments:NO CHANGE,,,,,,,
PHLF2005	10/4/21 12:27	45.0	35.8	0.0	19.2	110.5	110.7	-9.29	-9.30	0.0	0.0	-9.30	Comments:NO CHANGE,,,,,,,
PHLF2005	11/15/21 11:28	41.1	37.1	0.0	21.8	112.8	112.8	-16.69	-16.69	0.0	0.0	-24.17	Comments:NO CHANGE,,,,,,,
PHLF2005	11/30/21 11:40	38.6	33.8	0.0	27.6	113.6	113.7	-14.27	-14.25	0.0	0.0	-20.25	Comments:,,,,,,,

Potrero Hills Landfill - Well Data - 08/01/2021 to 01/31/2022

Point Name	Record Date	CH4 [%]	CO2 [%]	O2 [%]	Bal Gas [%]	Init Temp [ ]	Adj Temp [ ]	Init Stat Press ["H2O]	Adj Stat Press ["H2O]	Init Flow [scfm]	Adj Flow [scfm]	Sys Pressure ["H2O]	Comments
PHLF2005	12/16/21 10:25	36.2	35.3	0.0	28.5	112.4	112.6	-17.28	-19.52	36.4	49.5	-22.23	Comments:INCREASED FLOW/VACUUM,VALVE FULL OPEN,,,,,,
PHLF2005	1/25/22 11:02	36.5	32.6	0.1	30.8	114.7	114.7	-18.83	-18.97	41.7	46.0	-19.07	Comments:VALVE FULL OPEN,,,,,,,
PHLF2006	8/23/21 8:19	44.8	36.9	0.0	18.3	106.7	106.7	-5.98	-5.97	21.1	21.2	-5.96	Comments:NO CHANGE,,,,,,,
PHLF2006	8/23/21 8:19	44.8	36.9	0.0	18.3	106.7	106.7	-5.98	-5.97	21.1	21.2	-5.96	Comments:NO CHANGE,,,,,,,
PHLF2006	9/13/21 10:33	43.1	35.2	0.0	21.7	109.9	110.0	-9.44	-9.40	39.8	39.8	-13.73	Comments:NO CHANGE,,,,,,,
PHLF2006	10/4/21 12:22	44.8	35.4	0.0	19.8	102.3	102.5	-9.28	-9.28	0.0	0.0	-13.53	Comments:NO CHANGE,,,,,,,
PHLF2006	11/15/21 11:23	45.0	36.6	0.0	18.4	109.6	109.7	-17.91	-17.92	34.4	36.6	-17.95	Comments:NO CHANGE,,,,,,,
PHLF2006	12/16/21 10:17	48.1	37.8	0.0	14.1	106.2	106.3	-20.67	-22.63	24.2	33.0	-25.24	Comments:VALVE FULL OPEN,,,,,,,
PHLF2006	1/25/22 10:45	59.8	38.4	0.0	1.8	107.0	107.1	-20.73	-20.73	23.5	30.4	-21.87	Comments:VALVE FULL OPEN,,,,,,,
PHLF2103	1/13/22 13:40	59.2	40.8	0.0	0.0	60.0	59.9	1.36	-0.11	15.0	49.2	-32.35	Comments:,,,,,,,
PHLF2103	1/17/22 14:22	57.7	42.3	0.0	0.0	82.4	82.6	-0.41	-1.19	41.1	54.9	-25.51	Comments:,,,,,,,
PHLF2106	1/13/22 13:37	55.6	44.4	0.0	0.0	90.1	90.5	-0.17	-0.18	14.2	14.4	-29.84	Comments:,,,,,,,
PHLF2106	1/17/22 14:25	55.1	44.9	0.0	0.0	109.6	110.2	-0.34	-0.65	14.0	20.3	-23.00	Comments:,,,,,,,
PHLF2107	1/13/22 13:35	52.2	42.3	0.9	4.6	58.6	58.6	-2.21	-2.19	12.8	12.9	-30.00	Comments:,,,,,,,
PHLF2107	1/17/22 14:17	50.5	42.1	1.6	5.8	66.4	66.7	-1.64	-1.69	45.6	45.6	-23.34	Comments:,,,,,,,
PHLF2108	1/13/22 13:33	53.0	47.0	0.0	0.0	58.0	58.0	-1.48	-1.46	13.1	13.2	-29.74	Comments:,,,,,,,
PHLF2108	1/17/22 14:20	48.5	50.9	0.0	0.6	66.3	66.5	-1.41	-1.30	12.0	46.2	-23.58	Comments:,,,,,,,
PHLF2109	1/13/22 13:47	53.6	44.9	0.0	1.5	63.8	62.6	0.76	-0.14	14.0	32.3	-27.97	Comments:,,,,,,,
PHLF2109	1/17/22 13:40	52.9	46.4	0.0	0.7	71.6	71.5	-2.47	-2.61	27.8	32.9	-25.41	Comments:,,,,,,,
PHLF2112	1/13/22 13:58	52.7	47.3	0.0	0.0	64.5	64.5	0.31	-0.14	14.6	21.5	-27.13	Comments:,,,,,,,
PHLF2112	1/17/22 13:50	50.0	48.7	0.0	1.3	65.3	65.4	-0.47	-0.48	43.9	43.9	-23.07	Comments:,,,,,,,
PHLF2113	1/13/22 14:00	53.5	46.5	0.0	0.0	65.0	65.1	0.03	-0.11	14.2	19.7	-27.32	Comments:,,,,,,,
PHLF2113	1/17/22 13:54	50.4	48.6	0.0	1.0	66.2	66.1	-0.50	-0.41	18.3	41.2	-23.33	Comments:,,,,,,,
PHLLMW01	1/17/22 14:41	28.0	25.4	9.8	36.8	69.1	69.3	-16.98	-15.55	2.9	0.0	-15.32	Comments:,,,,,,,
PHLLMW02	11/15/21 12:54	29.0	28.4	0.3	42.3	68.4	68.5	-0.32	-0.32	0.3	0.2	-33.45	Comments:,,,,,,,
PHLLMW02	12/21/21 11:37	20.7	27.1	0.0	52.2	81.8	82.2	-1.01	-1.00	5.1	5.1	-30.57	Comments:,,,,,,,
PHLLMW02	1/31/22 11:18	56.0	44.0	0.0	0.0	95.0	95.2	-0.53	-0.53	6.3	6.3	-33.36	Comments:,,,,,,,
PHVZ2101	1/25/22 10:57	3.8	5.6	15.1	75.5	61.1	61.1	-16.70	-16.70	2.1	2.1	-21.04	Comments:,,,,,,,
PHVZ2101	1/25/22 10:59	25.9	19.5	0.5	54.1	60.9	60.9	-16.29	-16.29	1.9	1.8	-21.78	Comments:,,,,,,,
PHVZ2101	1/31/22 10:11	29.9	31.0	2.9	36.2	53.4	53.4	-17.41	-17.40	4.4	4.4	-20.52	Comments:,,,,,,,
PHVZ2102	1/25/22 10:52	1.6	6.6	7.8	84.0	58.5	58.6	-12.88	-12.87	2.7	2.7	-21.49	Comments:,,,,,,,
PHVZ2102	1/25/22 10:53	8.0	11.6	8.0	72.4	58.5	58.5	-12.80	-12.78	3.1	3.1	-20.60	Comments:,,,,,,,
PHVZ2102	1/31/22 10:09	3.5	9.9	14.4	72.2	54.6	54.6	-13.37	-13.80	7.4	6.8	-13.83	Comments:,,,,,,,
SGW-01	8/10/21 8:11	0.0	0.1	19.6	80.3	68.9	68.6	-1.22	-1.20	0.3	0.3	-19.13	Comments:NO CHANGE,,,,,,,
SGW-01	9/20/21 7:56	0.0	1.2	16.3	82.5	86.0	86.1	-1.16	-1.14	0.0	0.0	-19.75	Comments:MINIMAL VACUUM SETTING,,,,,,,
SGW-01	9/20/21 7:57	0.0	0.6	19.6	79.8	85.8	85.8	-0.98	-0.98	0.6	0.6	-19.83	Comments:SECOND READING,,,,,,,
SGW-01	10/27/21 10:47	0.3	2.1	17.0	80.6	66.7	66.7	-0.83	-0.59	0.0	0.0	-21.36	Comments:DECREASED FLOW/VACUUM,,,,,,,
SGW-01	11/22/21 13:58	0.0	0.6	19.5	79.9	73.4	73.9	-0.10	-0.10	0.1	0.1	-22.64	Comments:NO CHANGE,MINIMAL VACUUM SETTING,,,,,,
SGW-01	11/22/21 14:00	0.0	0.2	19.8	80.0	73.3	73.3	-0.21	-0.19	0.0	0.0	-22.65	Comments:NO CHANGE,MINIMAL VACUUM SETTING,SECOND READING,,,,,
SGW-01	12/7/21 12:21	0.9	6.9	19.1	73.1	64.8	65.0	-18.28	-18.29			-18.30	Comments:MINIMAL VACUUM SETTING,,,,,,,
SGW-01	12/7/21 12:22	0.1	1.9	20.4	77.6	65.7	65.7	-18.58	-18.57			-18.56	Comments:,,,,,,,
SGW-01	1/31/22 10:04	0.0	0.4	20.9	78.7	67.8	67.8	-1.18	-1.18	0.4	0.4	-35.46	Comments:DECREASED FLOW/VACUUM,,,,,,,
SGW-01	1/31/22 10:05	0.0	0.3	21.1	78.6	67.8	67.7	-1.20	-1.21	0.4	0.4	-36.49	Comments:SECOND READING,,,,,,,
SGW-02	8/10/21 8:24	55.8	39.7	0.2	4.3	75.9	75.6	-1.67	-1.67	0.6	0.6	-20.11	Comments:INCREASED FLOW/VACUUM,,,,,,,
SGW-02	9/13/21 12:23	53.1	38.0	0.0	8.9	99.4	100.0	-1.11	-1.11	2.2	2.2	-19.68	Comments:INCREASED FLOW/VACUUM,,,,,,,
SGW-02	10/27/21 10:58	50.3	37.0	0.0	12.7	68.3	68.4	-2.65	-2.66	0.0	0.5	-2.66	Comments:NO CHANGE,,,,,,,
SGW-02	11/15/21 14:32	55.9	38.2	0.0	5.9	63.2	63.4	-22.48	-22.44	4.8	4.8	-33.27	Comments:,,,,,,,
SGW-02	12/7/21 12:18	47.7	36.2	0.1	16.0	71.2	71.2	-23.02	-23.02	1.5	0.9	-23.34	Comments:,,,,,,,
SGW-02	1/17/22 11:22	58.5	40.9	0.2	0.4	64.6	64.8	-35.23	-35.21	0.0	0.0	-35.20	Comments:NO CHANGE,,,,,,,
SGW-02	1/31/22 10:12	57.9	40.4	0.3	1.4	58.7	58.5	-35.92	-35.91	0.0	0.0	-35.92	Comments:NO CHANGE,,,,,,,
SGW-04	8/10/21 8:28	35.8	26.7	6.6	30.9	74.4	74.2	-1.14	-1.13	0.0	0.0	-20.41	Comments:NO CHANGE,,,,,,,
SGW-04	9/13/21 12:26	42.7	25.9	4.8	26.6	103.3	104.1	-0.29	-0.28	7.3	7.3	-19.94	Comments:MINIMAL VACUUM SETTING,,,,,,,
SGW-04	10/27/21 10:21	42.3	34.9	0.4	22.4	69.5	69.5	-1.65	-1.63	0.0	0.0	-23.98	Comments:NO CHANGE,,,,,,,
SGW-04	11/22/21 12:21	56.0	37.0	0.0	7.0	82.3	82.7	-17.54	-18.47	4.4	5.1	-26.20	Comments:,,,,,,,
SGW-04	12/7/21 12:30	33.9	24.3	3.3	38.5	63.0	63.0	-23.44	-23.45	0.0	0.0	-23.45	Comments:MINIMAL VACUUM SETTING,,,,,,,
SGW-04	1/31/22 12:51	57.4	39.1	0.2	3.3	75.0	74.9	-5.57	-6.18	0.0	0.0	-6.18	Comments:NO CHANGE,,,,,,,
SGW-05	8/10/21 8:34	58.2	38.3	0.1	3.4	76.4	76.2	-6.49	-5.61	7.9	8.4	-20.27	Comments:INCREASED FLOW/VACUUM,,,,,,,
SGW-05	9/13/21 12:30	54.4	37.9	0.0	7.7	118.1	118.5	-2.43	-2.43	9.9	10.2	-20.15	Comments:INCREASED FLOW/VACUUM,,,,,,,
SGW-05	10/27/21 10:17	44.8	34.2	1.4	19.6	71.9	71.9	-11.65	-9.84	6.9	7.9	-9.42	Comments:NO CHANGE,,,,,,,
SGW-05	11/22/21 12:26	36.6	30.6	0.0	32.8	71.8	71.8	-14.65	-11.76	6.9	4.3	-26.47	Comments:DECREASED FLOW/VACUUM,,,,,,,
SGW-05	12/7/21 12:34	36.7	29.9	0.0	33.4	65.7	65.7	-7.97	-7.08	8.4	7.5	-22.52	Comments:MINIMAL VACUUM SETTING,,,,,,,
SGW-05	1/31/22 10:19	56.8	39.1	0.0	4.1	69.2	69.8	-9.20	-9.73	1.8	0.0	-9.73	Comments:NO CHANGE,,,,,,,
TC-01	8/10/21 9:13	0.0	19.5	8.7	71.8	78.8	78.6	-0.06	-0.05	0.0	0.0		Comments:MINIMAL VACUUM SETTING,,,,,,,
TC-01	9/20/21 8:21	0.0	19.2	7.9	72.9	79.2	79.2	-0.04	-0.03	0.0	0.0		Comments:MINIMAL VACUUM SETTING,,,,,,,

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Point Name	Record Date	CH4 [%]	CO2 [%]	O2 [%]	Bal Gas [%]	Init Temp [ ]	Adj Temp [ ]	Init Stat Press ["H2O]	Adj Stat Press ["H2O]	Init Flow [scfm]	Adj Flow [scfm]	Sys Pressure ["H2O]	Comments
TC-01	9/20/21 8:21	0.0	19.4	8.2	72.4	79.2	79.2	-0.05	-0.04	0.0	0.0		Comments:SECOND READING,,,,,,,
TC-01	10/27/21 9:53	0.3	8.1	13.5	78.1	65.2	65.2	0.00	-0.01	0.0	0.0		Comments:NO CHANGE,,,,,,,
TC-01	10/27/21 12:25	0.1	7.7	12.1	80.1	76.6	76.5	-2.55	-2.56	0.0	0.0		Comments:NO CHANGE,,,,,,,
TC-01	11/15/21 14:34	0.3	16.3	7.8	75.6	72.8	72.9	-0.06	-0.05	0.0	0.0		Comments:NO CHANGE,,,,,,,
TC-01	12/7/21 12:56	3.0	29.8	0.8	66.4	69.1	69.1	-14.99	-14.93	0.0	0.0		Comments:,,,,,,,
TC-01	1/31/22 11:16	16.1	35.9	1.9	46.1	69.9	70.0	-4.78	-4.74	0.0	0.0		Comments:NO CHANGE,,,,,,,
TC-02	8/10/21 9:19	0.0	0.6	17.3	82.1	75.3	75.2	-0.41	-0.41	0.0	0.0		Comments:MINIMAL VACUUM SETTING,,,,,,,
TC-02	9/20/21 8:29	0.0	1.3	16.0	82.7	79.5	79.3	-0.13	-0.14	0.0	0.0		Comments:MINIMAL VACUUM SETTING,,,,,,,
TC-02	9/20/21 8:30	0.0	1.0	18.9	80.1	78.6	78.5	-0.15	-0.16	0.0	0.0		Comments:SECOND READING,,,,,,,
TC-02	10/27/21 9:47	0.0	0.7	19.8	79.5	62.9	63.0	-1.54	-1.50	0.0	0.0		Comments:NO CHANGE,,,,,,,
TC-02	11/15/21 14:40	0.1	0.8	20.0	79.1	72.3	72.9	-0.84	-0.84	0.0	0.0		Comments:NO CHANGE,,,,,,,
TC-02	11/15/21 14:41	0.1	0.7	20.0	79.2	74.4	74.6	-0.83	-0.83	0.0	0.0		Comments:NO CHANGE,,,,,,,
TC-02	12/7/21 13:05	0.0	1.2	20.5	78.3	76.7	76.1	-1.08	-1.10	0.0	0.0		Comments:,,,,,,,
TC-02	1/31/22 11:26	0.0	0.6	20.7	78.7	63.9	63.8	-4.56	-4.54	0.0	0.0		Comments:DECREASED FLOW/VACUUM,,,,,,,
TC-02	1/31/22 11:27	0.0	0.5	20.9	78.6	63.5	63.5	-4.49	-4.48	0.0	0.0		Comments:SECOND READING,,,,,,,
TC-03	8/19/21 9:05	0.0	3.0	13.5	83.5	71.7	71.6	-0.53	-0.54	0.0	0.0		Comments:MINIMAL VACUUM SETTING,,,,,,,
TC-03	8/19/21 9:06	0.0	2.0	15.3	82.7	70.5	70.4	-0.55	-0.55	0.0	0.0		Comments:SECOND READING,,,,,,,
TC-03	9/20/21 8:34	0.0	1.4	17.0	81.6	85.6	85.6	-0.17	-0.17	0.0	0.0		Comments:MINIMAL VACUUM SETTING,,,,,,,
TC-03	9/20/21 8:35	0.0	1.2	18.8	80.0	85.8	85.8	-0.19	-0.18	0.0	0.0		Comments:SECOND READING,,,,,,,
TC-03	10/27/21 9:39	0.0	0.9	19.6	79.5	63.2	63.2	-1.35	-1.36	0.0	0.0		Comments:NO CHANGE,,,,,,,
TC-03	11/15/21 14:44	0.0	0.4	20.2	79.4	76.7	76.6	-0.85	-0.84	0.0	0.0		Comments:NO CHANGE,,,,,,,
TC-03	12/7/21 13:16	17.1	35.9	0.1	46.9	80.3	80.2	-8.39	-8.32	0.0	0.0		Comments:MINIMAL VACUUM SETTING,,,,,,,
TC-03	1/31/22 11:31	19.1	38.7	1.2	41.0	78.7	78.8	-13.77	-14.29	0.0	0.0		Comments:NO CHANGE,,,,,,,
TC-04	8/19/21 9:28	43.3	37.4	4.3	15.0	74.8	74.9	-0.67	-0.65	0.0	0.0		Comments:,,,,,,,
TC-04	9/20/21 11:57	43.5	33.8	0.0	22.7	93.6	93.5	-0.01	-0.61	0.0	0.0		Comments:,,,,,,,
TC-04	11/22/21 12:34	28.5	31.7	0.0	39.8	72.4	72.4	-0.21	-0.22	0.0	0.0		Comments:NO CHANGE,MINIMAL VACUUM SETTING,,,,,,
TC-04	12/7/21 13:25	25.5	16.5	0.7	57.3	70.7	71.5	-0.98	-0.95	0.0	0.0		Comments:MINIMAL VACUUM SETTING,,,,,,,
TC-04	1/31/22 11:51	31.2	27.4	1.2	40.2	64.4	64.3	-4.80	-4.78	0.0	0.0		Comments:NO CHANGE,,,,,,,

	Non NSPS Location
	Above NSPS Threshold
	Returned to compliance

PRESSURE EXCEEDANCE

Root Cause Analysis

Date of Initial Exceedance:	8/10/2021
Collection Device ID:	0904
Pressure Reading:	10.32

Root Cause Analysis		
Was the reason for the positive pressure due to one of the following:		
A fire or increased well temperature.	☐ Yes	☒ No
Use of a geomembrane or synthetic cover.	☐ Yes	☒ No
A decommissioned well.	☐ Yes	☒ No
• If YES to **ANY** of the above, exempt as per 40 CFR 62.16720(a)(3)(iii)/ 40 CFR §63.1958(b). • If NO to **ALL** of the above, continue the form.		
Describe what was inspected.		
Lateral damaged during filling,		
Describe what was determined to be the root cause of the exceedance.		
Well lateral has failed - will be replaced during upcoming construction. Restored vacuum 12-24-2021 by replacing lateral		
Determine the required next steps.		
Was the positive pressure remediated within 60 days since the initial exceedance?	☐ Yes	☒ No
• If YES, keep records of Root Cause Analysis. No reporting required. • If NO, continue with Corrective Action Analysis and Implementation Plan and submit Notification to state agency within 75 days of initial exceedance.		

PRESSURE EXCEEDANCE

Corrective Action Analysis and Implementation Schedule

Date of Initial Exceedance:	8/10/2021
Collection Device ID:	09-04
Pressure Reading:	10.32

Corrective Action Analysis
Describe the corrective actions taken to remediate exceedance.
Below grade header failed. Being replaced during 2021 expansion

Implementation Schedule	
Expected Start Date:	11/1/2021
Expected Completion Date:	12/21/2021
Provide a description of proposed repairs and/or remedial action required and supporting information for implementation timeframe.	
Installed new 18 inch main header and 6 inch lateral to well to restore operation	

Final Steps		
Determine the required next steps.		
Is the remediation expected to take **less than 120 days** since initial exceedance per implementation schedule?	☐ Yes	☒ No

- If YES, send notification to state agency within 75 days of initial exceedance. Include Root Cause Analysis, Corrective Action Analysis, and Implementation Schedule in the next NSPS Report.
- If NO, send Root Cause Analysis, Corrective Action Analysis, and Implementation Schedule to state agency within 75 days for approval and include in next NSPS Report.

PRESSURE EXCEEDANCE

Root Cause Analysis

Date of Initial Exceedance:	10/4/2021
Collection Device ID:	1521
Pressure Reading:	.01

Root Cause Analysis		
Was the reason for the positive pressure due to one of the following:		
A fire or increased well temperature.	☐ Yes	☒ No
Use of a geomembrane or synthetic cover.	☐ Yes	☒ No
A decommissioned well.	☐ Yes	☒ No
• If YES to **ANY** of the above, exempt as per 40 CFR 62.16720(a)(3)(iii)/ 40 CFR §63.1958(b). • If NO to **ALL** of the above, continue the form.		
Describe what was inspected.		
Lateral damaged during filling,		
Describe what was determined to be the root cause of the exceedance.		
Well lateral has failed - will be replaced during upcoming construction. Corrected with new lateral and header installation 11-15-21		
Determine the required next steps.		
Was the positive pressure remediated within 60 days since the initial exceedance?	☒ Yes	☐ No
• If YES, keep records of Root Cause Analysis. No reporting required. • If NO, continue with Corrective Action Analysis and Implementation Plan and submit Notification to state agency within 75 days of initial exceedance.		

TEMPERATURE EXCEEDANCE

Root Cause Analysis

Date of Initial Exceedance:	11/10/2021
Collection Device ID:	1803S
Temperature Reading:	134.3

Root Cause Analysis		
Has the owner/operator received approval from the state agency to operate at a temperature higher than 55°C (131°F) for this well?	☐ Yes	☒ No
• If YES, exempt as per 40 CFR 62.16720(a)(4)(iii)/ 40 CFR 63.1958(c). • If NO, continue the form.		
Describe what was inspected.		
Surface appears to be normal Carbon Monoxide = 25 ppm		
Describe what was determined to be the root cause of the exceedance.		
Flow was adjusted- system expansion in process		
Determine the required next steps.		
Was the temperature exceedance remediated within 60 days since the initial exceedance?	☐ Yes	☒ No
• If YES, keep records of Root Cause Analysis. No reporting required. • If NO, continue with Corrective Action Analysis and Implementation Plan and submit Notification to state agency within 75 days of initial exceedance.		

TEMPERATURE EXCEEDANCE

Corrective Action Analysis and Implementation Schedule

[Complete this form for **each** well if temperature exceedance is **more than 60 days**. Remove this statement prior to submittal.]

Date of Initial Exceedance:	11/10/2021
Collection Device ID:	1803S
Temperature Reading:	134.3

Corrective Action Analysis
Describe the corrective actions taken to remediate exceedance.
Increased monitoring. Apply for HOV based on sampling data. Expansion of collection system.

Implementation Schedule	
Expected Start Date:	11/10/2021
Expected Completion Date:	1/25/2022
Provide a description of proposed repairs and/or remedial action required and supporting information for implementation timeframe.	
The collection system has added 41 new wells between dates 11/15/21 and 1/25/22 to disperse heat from gas across more collectors. Additionally, based on data a request to increase the temperature limit to 145 will also be made.	

Final Steps		
Determine the required next steps.		
Is the remediation expected to take **less than 120 days** since initial exceedance per implementation schedule?	☐ Yes	☒ No
• If YES, send notification to state agency within 75 days of initial exceedance. Include Root Cause Analysis, Corrective Action Analysis, and Implementation Schedule in the next Annual Report. • If NO, send Root Cause Analysis, Corrective Action Analysis, and Implementation Schedule to state agency within 75 days for approval and include in next Annual Report.		

TEMPERATURE EXCEEDANCE

Root Cause Analysis

Date of Initial Exceedance:	11/10/2021
Collection Device ID:	1804D
Temperature Reading:	133.3

Root Cause Analysis		
Has the owner/operator received approval from the state agency to operate at a temperature higher than 55°C (131°F) for this well?	☐ Yes	☒ No
• If YES, exempt as per 40 CFR 62.16720(a)(4)(iii)/ 40 CFR 63.1958(c). • If NO, continue the form.		
Describe what was inspected.		
Surface appears to be normal Carbon Monoxide = 25 ppm		
Describe what was determined to be the root cause of the exceedance.		
Flow was adjusted- system expansion in process		
Determine the required next steps.		
Was the temperature exceedance remediated within 60 days since the initial exceedance?	☐ Yes	☒ No
• If YES, keep records of Root Cause Analysis. No reporting required. • If NO, continue with Corrective Action Analysis and Implementation Plan and submit Notification to state agency within 75 days of initial exceedance.		

TEMPERATURE EXCEEDANCE

Corrective Action Analysis and Implementation Schedule

[Complete this form for **each** well if temperature exceedance is **more than 60 days**. Remove this statement prior to submittal.]

Date of Initial Exceedance:	11/10/2021
Collection Device ID:	1804D
Temperature Reading:	133.3

Corrective Action Analysis
Describe the corrective actions taken to remediate exceedance.
Increased monitoring. Apply for HOV based on sampling data. Expansion of collection system.

Implementation Schedule	
Expected Start Date:	11/10/2021
Expected Completion Date:	1/25/2021
Provide a description of proposed repairs and/or remedial action required and supporting information for implementation timeframe.	
The collection system has added 41 new wells between dates 11/15/21 and 1/25/22 to disperse heat from gas across more collectors. Additionally, based on data a request to increase the temperature limit to 145 will also be made.	

Final Steps		
Determine the required next steps.		
Is the remediation expected to take **less than 120 days** since initial exceedance per implementation schedule?	☐ Yes	☒ No
• If YES, send notification to state agency within 75 days of initial exceedance. Include Root Cause Analysis, Corrective Action Analysis, and Implementation Schedule in the next Annual Report. • If NO, send Root Cause Analysis, Corrective Action Analysis, and Implementation Schedule to state agency within 75 days for approval and include in next Annual Report.		

TEMPERATURE EXCEEDANCE

Root Cause Analysis

Date of Initial Exceedance:	11/10/2021
Collection Device ID:	1808D
Temperature Reading:	136.9

Root Cause Analysis		
Has the owner/operator received approval from the state agency to operate at a temperature higher than 55°C (131°F) for this well?	☐ Yes	☒ No
• If YES, exempt as per 40 CFR 62.16720(a)(4)(iii)/ 40 CFR 63.1958(c). • If NO, continue the form.		
Describe what was inspected.		
Surface appears to be normal Carbon Monoxide = 25 ppm		
Describe what was determined to be the root cause of the exceedance.		
Flow was adjusted- system expansion in process		
Determine the required next steps.		
Was the temperature exceedance remediated within 60 days since the initial exceedance?	☒ Yes	☐ No
• If YES, keep records of Root Cause Analysis. No reporting required. • If NO, continue with Corrective Action Analysis and Implementation Plan and submit Notification to state agency within 75 days of initial exceedance.		

TEMPERATURE EXCEEDANCE

Root Cause Analysis

Date of Initial Exceedance:	7/24/2021
Collection Device ID:	2004d
Temperature Reading:	147.70

Root Cause Analysis		
Has the owner/operator received approval from the state agency to operate at a temperature higher than 55°C (131°F) for this well?	☐ Yes	☒ No
• If YES, exempt as per 40 CFR 62.16720(a)(4)(iii)/ 40 CFR 63.1958(c). • If NO, continue the form.		
Describe what was inspected.		
Surface appears to be normal Carbon Monoxide = 40 ppm		
Describe what was determined to be the root cause of the exceedance.		
Flow was increased after reduced flow from previous week		
Determine the required next steps.		
Was the temperature exceedance remediated within 60 days since the initial exceedance?	☐ Yes	☒ No
• If YES, keep records of Root Cause Analysis. No reporting required. • If NO, continue with Corrective Action Analysis and Implementation Plan and submit Notification to state agency within 75 days of initial exceedance.		

TEMPERATURE EXCEEDANCE

Corrective Action Analysis and Implementation Schedule

[Complete this form for **each** well if temperature exceedance is **more than 60 days**. Remove this statement prior to submittal.]

Date of Initial Exceedance:	7/24/2021
Collection Device ID:	2004D
Temperature Reading:	147.7

Corrective Action Analysis
Describe the corrective actions taken to remediate exceedance.
Increased monitoring. Apply for HOV based on sampling data. Expansion of collection system.

Implementation Schedule	
Expected Start Date:	7/24/2021
Expected Completion Date:	1/25/2022
Provide a description of proposed repairs and/or remedial action required and supporting information for implementation timeframe.	
The collection system has added 41 new wells between dates 11/15/21 and 1/25/22 to disperse heat from gas across more collectors. Additionally, based on data a request to increase the temperature limit to 150 will also be made.	

Final Steps		
Determine the required next steps.		
Is the remediation expected to take **less than 120 days** since initial exceedance per implementation schedule?	☐ Yes	☒ No
• If YES, send notification to state agency within 75 days of initial exceedance. Include Root Cause Analysis, Corrective Action Analysis, and Implementation Schedule in the next Annual Report. • If NO, send Root Cause Analysis, Corrective Action Analysis, and Implementation Schedule to state agency within 75 days for approval and include in next Annual Report.		

TEMPERATURE EXCEEDANCE

Root Cause Analysis

Date of Initial Exceedance:	10/4/2021
Collection Device ID:	20013D
Temperature Reading:	138.1

Root Cause Analysis		
Has the owner/operator received approval from the state agency to operate at a temperature higher than 55°C (131°F) for this well?	☐ Yes	☒ No
• If YES, exempt as per 40 CFR 62.16720(a)(4)(iii)/ 40 CFR 63.1958(c). • If NO, continue the form.		
Describe what was inspected.		
Surface appears to be normal Carbon Monoxide = 25 ppm		
Describe what was determined to be the root cause of the exceedance.		
Flow was adjusted- system expansion planned		
Determine the required next steps.		
Was the temperature exceedance remediated within 60 days since the initial exceedance?	☐ Yes	☒ No
• If YES, keep records of Root Cause Analysis. No reporting required. • If NO, continue with Corrective Action Analysis and Implementation Plan and submit Notification to state agency within 75 days of initial exceedance.		

TEMPERATURE EXCEEDANCE

Corrective Action Analysis and Implementation Schedule

[Complete this form for **each** well if temperature exceedance is **more than 60 days**. Remove this statement prior to submittal.]

Date of Initial Exceedance:	10/4/2021
Collection Device ID:	2013D
Temperature Reading:	138.1

Corrective Action Analysis
Describe the corrective actions taken to remediate exceedance.
Increased monitoring. Apply for HOV based on sampling data. Expansion of collection system.

Implementation Schedule	
Expected Start Date:	10/4/2021
Expected Completion Date:	1/25/2022
Provide a description of proposed repairs and/or remedial action required and supporting information for implementation timeframe.	
The collection system has added 41 new wells between dates 11/15/21 and 1/25/22 to disperse heat from gas across more collectors. Additionally, based on data a request to increase the temperature limit to 145 will also be made.	

Final Steps		
Determine the required next steps.		
Is the remediation expected to take **less than 120 days** since initial exceedance per implementation schedule?	☐ Yes	☒ No

- If YES, send notification to state agency within 75 days of initial exceedance. Include Root Cause Analysis, Corrective Action Analysis, and Implementation Schedule in the next Annual Report.
- If NO, send Root Cause Analysis, Corrective Action Analysis, and Implementation Schedule to state agency within 75 days for approval and include in next Annual Report.

TEMPERATURE EXCEEDANCE

Root Cause Analysis

Date of Initial Exceedance:	12/16/2021
Collection Device ID:	2010D
Temperature Reading:	134

Root Cause Analysis		
Has the owner/operator received approval from the state agency to operate at a temperature higher than 55°C (131°F) for this well?	☐ Yes	☒ No
• If YES, exempt as per 40 CFR 62.16720(a)(4)(iii)/ 40 CFR 63.1958(c). • If NO, continue the form.		
Describe what was inspected.		
Surface appears to be normal Carbon Monoxide = 30 ppm		
Describe what was determined to be the root cause of the exceedance.		
Flow was adjusted- system expansion in process		
Determine the required next steps.		
Was the temperature exceedance remediated within 60 days since the initial exceedance?	☒ Yes	☐ No
• If YES, keep records of Root Cause Analysis. No reporting required. • If NO, continue with Corrective Action Analysis and Implementation Plan and submit Notification to state agency within 75 days of initial exceedance.		

TEMPERATURE EXCEEDANCE

Root Cause Analysis

Date of Initial Exceedance:	12/16/2021
Collection Device ID:	2124D
Temperature Reading:	132.6

Root Cause Analysis		
Has the owner/operator received approval from the state agency to operate at a temperature higher than 55°C (131°F) for this well?	☐ Yes	☒ No
• If YES, exempt as per 40 CFR 62.16720(a)(4)(iii)/ 40 CFR 63.1958(c). • If NO, continue the form.		
Describe what was inspected.		
Surface appears to be normal new well installation		
Describe what was determined to be the root cause of the exceedance.		
Initial Monitoring		
Determine the required next steps.		
Was the temperature exceedance remediated within 60 days since the initial exceedance?	☐ Yes	☒ No
• If YES, keep records of Root Cause Analysis. No reporting required. • If NO, continue with Corrective Action Analysis and Implementation Plan and submit Notification to state agency within 75 days of initial exceedance.		

TEMPERATURE EXCEEDANCE

Corrective Action Analysis and Implementation Schedule

[Complete this form for **each** well if temperature exceedance is **more than 60 days**. Remove this statement prior to submittal.]

Date of Initial Exceedance:	12/16/2021
Collection Device ID:	2124D
Temperature Reading:	132.6

Corrective Action Analysis
Describe the corrective actions taken to remediate exceedance.
Increased monitoring. Apply for HOV based on sampling data. Expansion of collection system

Implementation Schedule	
Expected Start Date:	12/16/2021
Expected Completion Date:	1/25/2022
Provide a description of proposed repairs and/or remedial action required and supporting information for implementation timeframe.	
The collection system has added 41 new wells between dates 11/15/21 and 1/25/22 to disperse heat from gas across more collectors. Additionally, based on data a request to increase the temperature limit to 145 will also be made.	

Final Steps		
Determine the required next steps.		
Is the remediation expected to take **less than 120 days** since initial exceedance per implementation schedule?	☐ Yes	☒ No
• If YES, send notification to state agency within 75 days of initial exceedance. Include Root Cause Analysis, Corrective Action Analysis, and Implementation Schedule in the next Annual Report. • If NO, send Root Cause Analysis, Corrective Action Analysis, and Implementation Schedule to state agency within 75 days for approval and include in next Annual Report.		

TEMPERATURE EXCEEDANCE

Root Cause Analysis

Date of Initial Exceedance:	1/13/2022
Collection Device ID:	2118D
Temperature Reading:	152

Root Cause Analysis		
Has the owner/operator received approval from the state agency to operate at a temperature higher than 55°C (131°F) for this well?	☐ Yes	☒ No
• If YES, exempt as per 40 CFR 62.16720(a)(4)(iii)/ 40 CFR 63.1958(c). • If NO, continue the form.		
Describe what was inspected.		
Surface appears to be normal new well installation		
Describe what was determined to be the root cause of the exceedance.		
Initial Monitoring – CO sampling performed per AAAA		
Determine the required next steps.		
Was the temperature exceedance remediated within 60 days since the initial exceedance?	☒ Yes	☐ No
• If YES, keep records of Root Cause Analysis. No reporting required. • If NO, continue with Corrective Action Analysis and Implementation Plan and submit Notification to state agency within 75 days of initial exceedance.		

TEMPERATURE EXCEEDANCE

Root Cause Analysis

Date of Initial Exceedance:	10/4/2021
Collection Device ID:	HC1406
Temperature Reading:	135.9

Root Cause Analysis		
Has the owner/operator received approval from the state agency to operate at a temperature higher than 55°C (131°F) for this well?	☐ Yes	☒ No
• If YES, exempt as per 40 CFR 62.16720(a)(4)(iii)/ 40 CFR 63.1958(c). • If NO, continue the form.		
Describe what was inspected.		
Surface appears to be normal Carbon Monoxide = 25 ppm		
Describe what was determined to be the root cause of the exceedance.		
Flow was adjusted- system expansion planned		
Determine the required next steps.		
Was the temperature exceedance remediated within 60 days since the initial exceedance?	☐ Yes	☒ No
• If YES, keep records of Root Cause Analysis. No reporting required. • If NO, continue with Corrective Action Analysis and Implementation Plan and submit Notification to state agency within 75 days of initial exceedance.		

TEMPERATURE EXCEEDANCE

Corrective Action Analysis and Implementation Schedule

[Complete this form for **each** well if temperature exceedance is **more than 60 days**. Remove this statement prior to submittal.]

Date of Initial Exceedance:	10/4/2021
Collection Device ID:	HC1406
Temperature Reading:	135.9

Corrective Action Analysis
Describe the corrective actions taken to remediate exceedance.
Increased monitoring. Apply for HOV based on sampling data. Expansion of collection system.

Implementation Schedule	
Expected Start Date:	10/4/2021
Expected Completion Date:	1/25/2022
Provide a description of proposed repairs and/or remedial action required and supporting information for implementation timeframe.	
The collection system has added 41 new wells between dates 11/15/21 and 1/25/22 to disperse heat from gas across more collectors. Additionally, based on data a request to increase the temperature limit to 145 will also be made.	

Final Steps		
Determine the required next steps.		
Is the remediation expected to take **less than 120 days** since initial exceedance per implementation schedule?	☐ Yes	☒ No
• If YES, send notification to state agency within 75 days of initial exceedance. Include Root Cause Analysis, Corrective Action Analysis, and Implementation Schedule in the next Annual Report. • If NO, send Root Cause Analysis, Corrective Action Analysis, and Implementation Schedule to state agency within 75 days for approval and include in next Annual Report.		

Appendix E – Responsible Official Certification Statement

Certification of Truth and Accuracy and Completeness:

I certify the following:

Based on the information and belief formed after reasonable inquiry, the information in this document are true, accurate, and complete:

Signature of Responsible Official

2/24/2022
Date

Dave Jappert
Name of Responsible Official

Appendix F – CMS Summary Report

SUMMARY REPORT – GASEOUS AND OPACITY EXCESS EMISSION AND CONTINUOUS MONITORING SYSTEM PERFORMANCE

The National Emission Standards for Hazardous Air Pollutants (NESHAP) Maximum Achievable Control Technology (MACT) Rule for Landfills became effective on January 16, 2003; compliance with the MACT began on January 16, 2004. The Landfill NESHAP (40 CFR 63 Subpart AAAA) was amended in March 2020. These amendments because effective September 27, 2021 and include additional reporting requirements for continuous monitoring systems (CMS) per §63.10(e)(3)(vi).

A. The company name and address of the affected source:

   Potrero Hills Landfill
   3675 Potrero Hills Lane
   Suisun City CA, 94585

B. An identification of each hazardous air pollutant monitored at the affected source.

   N/A. Subpart AAAA establishes a relevant emission standard for total non-methane organic compounds (NMOCs) and does not require hazardous air pollutant monitoring.

C. The beginning and ending dates of the reporting period.

   The reporting period covers the period of September 27, 2021 – January 31, 2021.

D. A brief description of the process units.

   The landfill gas collection and control system (GCCS) CMS components which are subject to the QC program and additional reporting requirements are:

   - Enclosed flare(s) with thermocouples to measure combustion temperature
   - Associated data recorder(s)

E. The emission and operating parameter limitations specified in the relevant standard(s).

   Subpart AAAA establishes a relevant emission standard for non-methane organic compound (NMOC) emissions from enclosed flares of 98 percent weight-reduction or 20 parts per million by volume (ppmv) dry basis, as hexane at 3 percent oxygen. The monitoring requirement associated with this emission standard is established in §63.1983(b)(2) and requires that the landfill maintain records of monitoring of average combustion temperature measured at least every 15 minutes. Exceedances are established in §63.1983(c)(1) as all 3-hour periods of operation during which the average temperature was more than 28 degrees Celsius below the average combustion temperature during the most recent performance test at which compliance with the relevant emission standard of §63.1959(b)(2)(iii) was determined.

F. The monitoring equipment manufacturer(s) and model number(s).

   - Thermocouples: Pyromation Type K
   - Data Recorder: Yokogawa FX1006/Serial #S5100815 and FleetZOOM

G. The date of the latest CMS certification or audit.

N/A. Per Table 1 to Subpart AAAA of Part 63, the CMS performance evaluation requirements of §63.8(e) do not apply to municipal solid waste (MSW) landfills.

H. The total operating time of the affected source during the reporting period.

During the reporting period (9/27/2021 – 1/31/2022) the GCCS operated a total of 3045.75 hours.

I. An emission data summary (or similar summary if the owner or operator monitors control system parameters), including the total duration of excess emissions during the reporting period (recorded in minutes for opacity and hours for gases), the total duration of excess emissions expressed as a percent of the total source operating time during that reporting period, and a breakdown of the total duration of excess emissions during the reporting period into those that are due to startup/shutdown, control equipment problems, process problems, other known causes, and other unknown causes.

- From September 27, 2021 through January 11, 2022 the minimum temperature above which flare A-2 was required to operate was 1,509°F (source test results minus 28 °C (82 °F)), based on the source test results in the test report dated January 13, 2021 (revised February 18, 2021). From January 12 through January 31, 2022, the minimum temperature above which the flare was required to operate was 1,472°F (source test results minus 28 °C (82 °F)), based on the source test results in the test report dated January 12, 2021. There were no instances during the reporting period during which the average operational combustion temperature of flare A-2 was below the minimum temperature.
- From September 27, 2021 through January 11, 2022 the minimum temperature above which flare A-4 was required to operate was 1,477°F (source test results minus 28 °C (82 °F)), based on the source test results in the test report dated January 13, 2021 (revised February 18, 2021). From January 12 through January 31, 2022, the minimum temperature above which the flare was required to operate was 1,448°F (source test results minus 28 °C (82 °F)), based on the source test results in the test report dated January 12, 2021. There were no instances during the reporting period during which the average operational combustion temperature of flare A-4 was below the minimum temperature.

J. A CMS performance summary (or similar summary if the owner or operator monitors control system parameters), including the total CMS downtime during the reporting period (recorded in minutes for opacity and hours for gases), the total duration of CMS downtime expressed as a percent of the total source operating time during that reporting period, and a breakdown of the total CMS downtime during the reporting period into periods that are due to monitoring equipment malfunctions, non-monitoring equipment malfunctions, quality assurance/quality control calibrations, other known causes, and other unknown causes.

During the reporting period, there were no instances where combustion temperature was not measured and recorded during flare operation.

K. A description of any changes in CMS, processes, or controls since the last reporting period.

No changes in applicable CMS, process, or controls occurred since the last reporting period.

L. The name, title, and signature of the responsible official who is certifying the accuracy of the report.

   See Appendix E.

M. The date of the report.

   See Cover Page.