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

Subject: **Title V Annual Compliance Certification Report; Title V Semi-Annual Report of Required Monitoring; BAAQMD Rule 8-34 Semi-Annual Report, 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 Annual Compliance Certification Report; 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 Annual Compliance Certification Report covers the period from August 1, 2022 through July 31, 2023. The Title V Semi-Annual Report of Required Monitoring, the BAAQMD Rule 8-34 Semi-Annual Report, NESHAP and the SSM Plan Report cover the period from February 1, 2023 through July 31, 2023.

The Title V reports meet the requirements specified in the Title V permit, BAAQMD guidance on Title V report submittals, and Regulation 2, Rule 6. Each 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 reporting requirement under the revised NESHAP rule. The semi-annual report also satisfies the requirements under the New Source Performance Standards (NSPS) for municipal solid waste landfills (40 Code of Federal Regulation [CFR] Part 60, Subpart WWW and 40 CFR Part 62, Subpart OOO (through compliance with the NESHAP) 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) 355-6510.

Sincerely,

Hannah Morse
Associate Staff Professional
SCS ENGINEERS

Gabrielle Stephens
Senior Project Manager
SCS ENGINEERS

Enclosures:

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

cc: USEPA Region 9
Natalie Hicks; Waste Connections
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Curt Fujii; Waste Connections
Pat Sullivan; SCS Engineers
Art Jones, SCS Field Services

NSPS/BAAQMD Rule 8-34/NESHAP 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 | August 2023

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This New Source Performance Standards (NSPS)/Bay Area Air Quality Management District (BAAQMD) Rule 8-34 / National Emission Standards for Hazardous Air Pollutants (NESHAP) Semi-Annual Report for the Potrero Hills Landfill (PHLF) in Solano County, California, dated August 2023, was prepared and reviewed by the following:

Hannah Morse
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1.0 INTRODUCTION

Potrero Hills Landfill (PHLF) hereby submits this New Source Performance Standard (NSPS) / National Emission Standards for Hazardous Air Pollutants (NESHAP) Semi-Annual Report of information and Bay Area Air Quality Management District (BAAQMD or District) Rule 8-34 Semi-Annual Report for the period of February 1, 2023 through July 31, 2023 to the BAAQMD.

1.1 UPDATED NESHAP 40 CFR 63, SUBPART AAAA

As of June 21, 2021, the facility complies with the new Emission Guidelines (EG) requirements in California. The approved state plan for the EG includes compliance with Title 17 California Code of Regulations (CCR) Sections 95460 to 95476, known as AB 32 Landfill Methane Rule (LMR) and specific portions of 40 CFR Part 62 Subpart OOO. PHLF has continued to comply with the California EG rule since June 2021.

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, PHLF is subject to the landfill NESHAP under 40 CFR Part 63, Subpart AAAA. Landfills subject to Subpart AAAA can choose to comply with Subpart AAAA in lieu of the major compliance provisions of Subpart WWW and OOO, as of September 27, 2021. The new NESHAP rule also removed the Startup, Shutdown, Malfunction (SSM) Plan requirements that were in the previous rule. However, because the Title V Permit references Subpart WWW and SSM requirements, this semi-annual report will continue to include NSPS Subpart WWW and SSM 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 February 1, 2023 through July 31, 2023, 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 Title V renewal application was submitted on September 11, 2017 and is pending.

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
40 CFR 60.757(f), (g)	**40 CFR 63.1981(h), (i), (j), (k), (l)**
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.
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 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.
All periods when the collection system was not operating in excess of 5 days.	All periods when the collection system was not operating.
The location of each 500 ppmv methane exceedance, and the concentration recorded at each	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

NSPS Subpart WWW	Updated NESHAP Subpart AAAA
40 CFR 60.757(f), (g)	**40 CFR 63.1981(h), (i), (j), (k), (l)**
location for which an exceedance was recorded in the previous month.	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).
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).
--	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.
--	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 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.
--	--
--	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
40 CFR 60.756(a), (b), (c), (d)	**40 CFR 63.1961(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).

NSPS Subpart WWW	Updated NESHAP Subpart AAAA
40 CFR 60.756(a), (b), (c), (d)	**40 CFR 63.1961(a), (b), (f)**
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.
Temperature of the LFG at the wellheads is monitored on a monthly basis. Temperature must be maintained below 55 degrees C (131 degrees F) to comply with 40 CFR 60.753 (c).	Temperature of the LFG at the wellheads is monitored on a monthly basis. Temperature must be maintained below 62.8 degrees C (145 degrees F) to comply with 40 CFR 63.1961(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)).
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)).
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).
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 malfunctions, and required monitoring system quality assurance or quality control activities (in compliance with 40 CFR 63.1961(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 3.58 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, if needed. 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, 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, there was no downtime for the entire GCCS. Emission control system downtime records are available for review at the site.

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 periods excluded per 40 CFR 63.1961(h).

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, three (3) wells were abandoned due to active filling as allowed by the PTO and consistent with NESHAP criteria. In addition, one (1) well was connected and started up during the reporting period. Finally, one (1) well was temporarily taken offline to allow for new laterals to be installed.

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 Startup, Shutdown, and Malfunction (SSM) Report included in this submittal for additional details. Although SSM requirements are no longer contained with Subpart AAAA, we are providing an SSM report because SSM requirements are still contained within the Title V permit.

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 February 1, 2023 through July 31, 2023 the minimum temperature above which the flare was required to operate was 1,502°F (source test results minus 50°F), based on the source test results in the test report dated December 9, 2022. During the reporting period, the average temperature for the flare did not drop below the established minimum temperatures. 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 February 1, 2023 through July 31, 2023 the minimum temperature above which the flare was required to operate was 1,482°F (source test results minus 50°F), based on the source test results in the test report dated December 9, 2022. During the reporting period, the average temperature for the flare did not drop below the established minimum temperatures. 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 December 9, 2022 source test report, summarizing the test results for the flares was provided in the previous semi-annual 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 B** and are available for review at the site.

3.2.1 First Quarter 2023 Monitoring

SCS Field Services (SCSFS) conducted the component leak testing of the wellfield and flare station on February 2, 2023. No component leaks at or above 1,000 ppmv were detected in the wellfield, during the First quarter 2023 monitoring event.

3.2.2 Second Quarter 2023 Monitoring

SCSFS conducted the component leak testing of the wellfield and flare station on April 20 and June 27, 2023. One (1) component leak above 1,000 ppmv was detected at Flare 1, during the second quarter June 2023 monitoring events (approximately 1,007 ppmv). The 10-day re-monitoring event was conducted on July 7, 2023, and the leak at Flare 1 had returned to compliance.

3.3 CONTROL EFFICIENCY

LFG flare A-2 was tested on October 31, 2022, 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 October 2022 source test was measured to be >99.03 percent by weight, and the NMOC as methane concentration in the flare outlet was 4.17 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 October 31, 2022, 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 October 2022 source test was measured to be >99.37 percent by weight, and the NMOC as methane concentration in the flare outlet was 3.03 ppmv. As such, flare A-4 is in compliance with the aforementioned rules and permit condition by meeting the ppmv limit.

Excerpts from the October 2022 source test report dated December 9, 2022, summarizing the test results, were provided in the previous semi-annual 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 B. Records of SEM are available for review at the site.

3.4.1 First Quarter 2023 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 for instantaneous monitoring and 25 ppmv for integrated monitoring on February 1 and 2, 2023. Surface emissions in excess of 500 ppmv were detected at fifteen (15) locations during the first quarter 2023 monitoring event. Calculated integrated monitoring emissions in excess of 25 ppmv were detected at three (3) locations during the first quarter 2023 monitoring event. The first quarter 2023 SEM report is provided in Appendix B.

PHLF field technicians and SCSFS site personnel performed appropriate corrective actions, including flow increases to the surrounding extraction wells and cover and borehole repairs. SCSFS completed the first 10-day and the one-month re-monitoring events for these locations on February 6, 7, and 10, 2023 and March 1, 2023 as required. All locations and grids returned to compliance by the first 10-day re-monitoring event and were confirmed by the one-month event.

3.4.2 Second Quarter 2023 Monitoring

SCSFS monitored the landfill surface for leaks with a methane concentration of greater than 500 ppmv for instantaneous monitoring and 25 ppmv for integrated monitoring on April 20, 2023. No surface emissions in excess of 500 ppmv for instantaneous monitoring were detected during the second quarter April 2023 monitoring event. Calculated integrated monitoring emissions in excess of 25 ppmv was detected at one (1) grid (PLF-115) during the second quarter April 2023 monitoring event. The required 10-day follow-up monitoring performed on April 28, 2023, indicated that grid PLF-115 had returned to compliance following system adjustments and remediation by SCS and site personnel.

SCSFS monitored the landfill surface for leaks with a methane concentration of greater than 500 ppmv for instantaneous monitoring and 25 ppmv for integrated monitoring on June 27, 2023. Surface emissions in excess of 500 ppmv for instantaneous monitoring were detected at seven (7) locations during the second quarter June 2023 monitoring event. Calculated integrated monitoring emissions in excess of 25 ppmv were detected in fifteen (15) grids during the second quarter June 2023 monitoring event. The locations with the exceedances and associated methane concentrations are provided in the second quarter 2023 SEM reports provided in Appendix B.

PHLF field technicians and SCSFS site personnel performed appropriate corrective actions, including flow increases to the surrounding extraction wells and cover and borehole repairs. SCSFS completed the first 10-day and the one-month re-monitoring events for the instantaneous locations on July 17, 2023 and July 27, 2023 as required. All locations and grids returned to compliance by the one-

month re-monitoring event. The integrated exceedance follow-up monitoring performed on July 7, 17 and 27, 2023, indicated that five grid areas had failed to returned to compliance following surface cover remediation by site personnel. These locations will be brought into compliance and documented in the next semi-annual report.

3.5 GAS COLLECTION SYSTEM INSTALLATIONS AND UPGRADES

During the reporting period, one (1) new vertical extraction well was initially activated and three (3) wells were abandoned. 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 C. 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 PHHC150, PHLF1916, PHL2001D, PHL2001S, PHL2008D, PHL2008S, PHEW1601, PHL2002S, PHL2002S, and PHL2121D. 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 PHEW0904, PHEW1304, PHEW1428, PHEW1429, PHEW1513, PHHC1504, PHHC1507, PHHZ1904, PHHZ2007, PHHZ2008, PHL0604D, PHL0721D, PHL1802D, PHL1805D, PHL2009D, PHLFGW19 and PHLGW06R 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 PHEW1304, PHEW1513, PHHC1504, PHHZ2007, PHHZ2008, PHL0604D, and PHL1805D back in compliance at the end of the reporting period. These exceedances are listed in detail in Table 6.

Please note that Subparts OOO, 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, twenty (20) wells were operating above the permitted limit. Of those twenty (20) wells, thirteen (13) have a pending HOV application submitted on May 6, 2022. The new temperature limit under AAAA is 145°F, however, we are complying with 131°F due to WWW and 8-34 requirements. Additionally, higher operating value requests for wells were submitted on May 6, 2022 and are awaiting approval from 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. Additionally, in the case that the exceedance cannot be corrected within 120 days, an extended implementation timeline was requested, as required. There was one exceedance during the reporting period where this occurred, and the appropriate corrective actions, root cause analyses, and extended implementation timelines were completed. The root cause analysis, corrective action reports, and extended implementation timelines can be found in **Appendix C**. Enhanced monitoring of CO was conducted on any wells with temperature exceedance above 145°F, please see the well data table comments in **Appendix C** for enhanced monitoring results.

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 February 6, 14, 20, and 21, March 1, 7, 13, 22, 19 and 30, April 5, 10, 17, and 24, May 1, 8, 15, and 22, June 1, 7, 12, 19, and 28, and July 10, 17, 18, and 25, 2023, 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 February 1, 2023 through July 31, 2023, the site accepted 536,702 tons of decomposable waste, resulting in a cumulative waste-in-place total of 22,355,152 tons as of July 31, 2023.

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 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.

3.11 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.

3.12 CMS SUMMARY REPORT

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

Tables

Table 3a. GCCS Downtime
Potrero Hills, Landfill, Suisun City, CA
(February 1, 2023 through July 31, 2023)

Shutdown	Startup	Total Downtime Hours	Reason for Shutdown
2/10/2023 15:20	2/10/2023 15:24	0.07	LFGTE plant shutdown for maintenance due to landfill high oxygen issues
2/10/2023 15:26	2/10/2023 15:32	0.10	LFGTE plant shutdown for maintenance due to landfill high oxygen issues
6/6/2023 7:34	6/6/2023 10:59	3.42	LFGTE plant shutdown due to PG&E Outage, resulting in a shutdown.
	Total GCCS Downtime	**3.58**	
	Total GCCS Runtime	**4340.42**	

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
(February 1, 2023 through July 31, 2023)

Shutdown	Startup	Total Downtime Hours	Total Runtime Hours
	2/1/2023 0:00		
2/1/2023 15:50	2/1/2023 16:08	0.30	15.83
2/2/2023 12:54	2/3/2023 7:08	18.23	20.77
2/7/2023 5:46	2/7/2023 6:52	1.10	94.63
2/10/2023 15:20	2/10/2023 15:32	0.20	80.47
2/13/2023 7:42	2/13/2023 17:26	9.73	64.17
2/14/2023 16:04	2/14/2023 16:22	0.30	22.63
2/15/2023 8:22	2/15/2023 12:00	3.63	16.00
2/23/2023 8:34	2/23/2023 8:52	0.30	188.57
2/24/2023 8:28	2/24/2023 9:50	1.37	23.60
2/27/2023 8:36	3/1/2023 0:00	39.40	70.77
3/1/2023 0:00	3/24/2023 12:28	564.47	0.00
3/24/2023 12:34	3/30/2023 8:34	140.00	0.10
4/20/2023 9:14	4/20/2023 10:04	0.83	504.67
5/8/2023 15:56	5/8/2023 16:54	0.97	437.87
5/31/2023 9:50	5/31/2023 10:26	0.60	544.93
6/6/2023 7:34	6/7/2023 7:28	23.90	141.13
7/25/2023 10:22	8/1/2023 0:00	157.63	1154.90
	Total Downtime	**962.97**	
	Total Runtime		**3,381.03**

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.

Table 3c. Flare A-4 Downtime
Potrero Hills Landfill, Suisun City, CA
(February 1, 2023 through July 31, 2023)

Shutdown	Startup	Total Downtime Hours	Total Runtime Hours
2/1/2023 12:20	2/1/2023 12:24	0.07	12.33
2/1/2023 12:34	2/1/2023 14:46	2.20	0.17
2/1/2023 15:02	2/1/2023 15:04	0.03	0.27
2/1/2023 15:42	2/1/2023 15:45	0.05	0.63
2/1/2023 20:10	2/1/2023 20:16	0.10	4.42
2/2/2023 0:50	2/2/2023 0:58	0.13	4.57
2/2/2023 12:40	2/2/2023 12:44	0.07	11.70
2/2/2023 12:48	2/2/2023 12:52	0.07	0.07
2/2/2023 13:18	2/2/2023 13:24	0.10	0.43
2/2/2023 13:42	2/2/2023 13:46	0.07	0.30
2/2/2023 13:52	2/2/2023 13:56	0.07	0.10
2/3/2023 1:30	2/10/2023 15:24	181.90	11.57
2/10/2023 15:26	2/10/2023 15:32	0.10	0.03
2/10/2023 15:34	2/10/2023 15:46	0.20	0.03
2/10/2023 16:00	2/10/2023 16:04	0.07	0.23
2/10/2023 16:12	2/10/2023 16:18	0.10	0.13
2/10/2023 16:26	2/10/2023 16:56	0.50	0.13
2/13/2023 13:16	2/13/2023 14:22	1.10	68.33
2/13/2023 15:30	2/13/2023 17:14	1.73	1.13
2/14/2023 16:02	2/14/2023 16:16	0.23	22.80
2/15/2023 8:22	2/15/2023 11:58	3.60	16.10
2/23/2023 8:34	2/23/2023 8:44	0.17	188.60
2/24/2023 8:28	2/24/2023 9:30	1.03	23.73
3/7/2023 10:02	3/7/2023 10:26	0.40	264.53
3/14/2023 10:44	3/14/2023 12:16	1.53	168.30
3/24/2023 12:18	3/24/2023 12:36	0.30	240.03
4/10/2023 22:34	4/10/2023 22:42	0.13	417.97
4/10/2023 23:00	4/10/2023 23:06	0.10	0.30
4/11/2023 1:04	4/11/2023 1:12	0.13	1.97
4/17/2023 2:26	4/17/2023 2:34	0.13	145.23
4/17/2023 2:48	4/17/2023 2:52	0.07	0.23
4/17/2023 2:54	4/17/2023 2:58	0.07	0.03
4/17/2023 3:02	4/17/2023 5:24	2.37	0.07
4/17/2023 5:44	4/17/2023 5:52	0.13	0.33
4/20/2023 9:14	4/20/2023 9:42	0.47	75.37
5/8/2023 14:56	5/8/2023 15:50	0.90	437.23
5/8/2023 15:58	5/8/2023 16:10	0.20	0.13
5/8/2023 16:54	5/8/2023 17:00	0.10	0.73
5/31/2023 9:50	5/31/2023 10:10	0.33	544.83
6/6/2023 7:34	6/6/2023 16:54	9.33	141.40
6/6/2023 18:14	6/6/2023 18:22	0.13	1.33
6/6/2023 21:32	6/6/2023 21:40	0.13	3.17
6/6/2023 22:20	6/6/2023 22:27	0.12	0.67
6/7/2023 1:32	6/7/2023 1:42	0.17	3.08
6/7/2023 6:04	6/7/2023 6:12	0.13	4.37
6/7/2023 6:44	6/7/2023 6:52	0.13	0.53

Table 3c. Flare A-4 Downtime
Potrero Hills Landfill, Suisun City, CA
(February 1, 2023 through July 31, 2023)

Shutdown	Startup	Total Downtime Hours	Total Runtime Hours
6/7/2023 7:28	6/7/2023 7:36	0.13	0.60
7/5/2023 7:50	7/5/2023 8:00	0.17	672.23
7/9/2023 10:04	7/25/2023 10:32	384.47	98.07
	Total Downtime	**595.97**	
	Total Runtime		**3,748.03**

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.

Table 4. Individual Well Startups, Shutdowns and Decommissions
Potrero Hills Landfill, Suisun City, California
(February 1, 2023 through July 31, 2023)

Well ID	Shutdown	Start-up	Days Offline	Reason for Shutdown
PHL2015S	7/1/2023	N/A	N/A	Well abandoned due to active filling and re-location of headers.
PHL2015D	7/1/2023	N/A	N/A	Well abandoned due to active filling and re-location of headers.
PHHC1505	7/1/2023	N/A	N/A	Well abandoned due to active filling and re-location of headers.
PHLF2211	N/A	5/8/2023	N/A	GCCS Expansion
PHLGW02R	12/28/2022	5/8/2023	131	Well taken offline to allow for new laterals to be installed

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
(February 1, 2023 through July 31, 2023)

Well ID	Date	Initial Static Pressure ("H_2O)	Adjusted Static Pressure ("H_2O)	5-Day Corrective Action Date	Corrective Action	15-Day Follow-Up Pressure ("H_2O)	15-Day Follow-Up Date	Comments
PHHC1507	2/20/2023	0.26	0.28	2/20/2023	Adjusted Valve	-14.3	2/21/2023	
PHLF1916	2/20/2023	0.38	0.38	2/20/2023	Adjusted Valve	-5.61	2/21/2023	
PHL2001D	2/20/2023	0.36	0.36	2/20/2023	Adjusted Valve	-20.39	2/21/2023	
PHL2001S	2/20/2023	0.23	0.23	2/20/2023	Adjusted Valve	-0.13	2/21/2023	
PHL2008D	2/20/2023	4.43	4.43	2/20/2023	Adjusted Valve	-11.31	2/21/2023	
PHL2008S	2/20/2023	0.07	0.06	2/20/2023	Adjusted Valve	-1.41	2/21/2023	
PHEW1601	3/13/23 10:46	0.26	0.26	3/13/2023	Adjusted Valve	-2.71	3/22/2023	
PHL2002S	3/13/23 12:37	0.04	0.04	3/13/2023	Adjusted Valve	-1.75	3/22/2023	
PHL2002S	5/1/23 13:03	0.21	0.23	5/1/2023	Adjusted Valve	-15.49	5/8/2023	
PHL2121D	6/12/23 16:09	3.7	3.64	6/12/2023	Adjusted Valve	-0.08	6/12/2023	

Note: All required corrective action and remonitoring was completed in accordance with Rule 8-34 and NSPS/NESHAP timelines.

Table 6. Wells with Oxygen Exceedance
Potrero Hills Landfill, Suisun City, California
(February 1, 2023 through July 31, 2023)

Well ID	Date	Initial O2 [%]	5-Day Corrective Action Date	Corrective Action	Adjusted O2 [%]	Follow-Up Date	Comments
PHEW0904	4/24/2023	7.4	4/24/2023	Adjusted Valve	6.6	5/1/2023	In compliance (1.6%) on 6/28/2023 (within 120 days)
PHEW1304	3/30/2023	10.8	3/30/2023	Adjusted Valve	9.9	4/5/2023	Set to be abandoned
PHEW1428	4/24/2023	9	4/24/2023	Adjusted Valve	0.4	4/24/2023	
PHEW1429	2/6/2023	10.9	2/6/2023	Adjusted Valve	3.9	2/14/2023	
PHEW1513	5/15/2023	13.8	5/15/2023	Adjusted Valve	3	5/22/2023	
PHEW1513	7/17/2023	7.3	7/17/2023	Adjusted Valve	7.4	7/17/2023*	
PHHC1504	6/28/2023	8.1	6/28/2023	Adjusted Valve	12.6	6/28/2023*	
PHHC1507	3/13/2023	20	3/13/2023	Adjusted Valve	21.2	3/22/2023	In compliance (0.6%) on 4/24/2023 (within 120 days)
PHHZ2007	5/8/2023	8.1	5/8/2023	Adjusted Valve	6.6	6/19/2023*	
PHHZ2008	2/14/2023	9.3	2/14/2023	Adjusted Valve	9	3/29/2023*	
PHL0604D	2/14/2023	12.6	2/14/2023	Adjusted Valve	9.9	2/20/2023	In compliance (4.8%) on 5/15/2023 (within 120 days)
PHHZ1904	2/14/2023	21.3	2/14/2023	Adjusted Valve	0.6	2/20/2023	
PHHZ1904	3/13/2023	13.3	3/13/2023	Adjusted Valve	13.3	3/13/2023	In compliance (0.4%) on 5/15/2023 (within 120 days)
PHL0604D	7/17/2023	8.5	7/17/2023	Adjusted Valve	8.6	7/17/2023*	
PHL0721D	3/29/2023	10.3	3/29/2023	Adjusted Valve	0.8	4/5/2023	
PHL0721D	5/8/2023	8.6	5/8/2023	Adjusted Valve	2.3	5/8/2023	
PHL1802D	3/30/2023	14.3	3/30/2023	Adjusted Valve	3.1	3/30/2023	
PHL1802D	4/24/2023	14	4/24/2023	Adjusted Valve	4.5	4/24/2023	
PHL1805D	3/29/2023	7.2	3/29/2023	Adjusted Valve	4.8	4/17/2023	
PHL1805D	5/1/2023	13.8	5/1/2023	Adjusted Valve	4.4	6/7/2023	
PHL1805D	7/10/2023	9.6	7/10/2023	Adjusted Valve	13.5	7/17/2023*	
PHL2009D	6/12/2023	10.6	6/12/2023	Adjusted Valve	4.6	7/17/2023	
PHLFGW19	2/14/2023	20.2	2/14/2023	Adjusted Valve	22	3/29/2023	In compliance (2.2%) on 6/19/23 (within 120 days)
PHLGW06R	2/20/2023	21.9	2/20/2023	Adjusted Valve	20.9	3/29/2023	In compliance (0.7%) on 7/10/23

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

Table 7. Wells with Temperature Exceedance
Potrero Hills Landfill, Suisun City, California
(February 1, 2023 through July 31, 2023)

Well ID	Date	Initial Temperature [°F]	Adjusted Temperature [°F]	5-Day Corrective Action Date	Corrective Action	15-Day Follow-Up Temperature [°F]	15-Day Follow-Up Date	Comments
PHHC1406	**3/30/2023**	**135.2**	**135.6**	**3/30/2023**	**Adjusted Valve**	**135.8**	**3/30/2023***	
PHL1803S	**3/30/2023**	**137.7**	**137.7**	**3/30/2023**	**Adjusted Valve**	**137**	**3/30/2023***	
PHL1804D	**2/20/2023**	**133.9**	**134.3**	**2/20/2023**	**Adjusted Valve**	**61.5**	**3/1/2023**	
PHL1804D	**3/30/2023**	**132.3**	**132.3**	**3/30/2023**	**Adjusted Valve**	**132.3**	**3/30/2023**	In compliance on 5/15/2023 (130.1 F)
PHL1805S	6/7/2023	131.3	131.3	6/7/2023	Adjusted Valve	131.6	6/7/2023	In compliance on 6/19/2023 (130.7 F)
PHL1805S	7/10/2023	131.8	132.1	7/10/2023	Adjusted Valve	132.3	7/17/2023*	
PHL2004D	**2/6/2023**	**142**	**142.1**	**2/6/2023**	**Adjusted Valve**	**142**	**2/6/2023***	
PHL2010D	**5/15/2023**	**131.4**	**131.7**	**5/15/2023**	**Adjusted Valve**	**133.4**	**5/15/2023***	
PHL2012D	**2/6/2023**	**133.1**	**133.1**	**2/6/2023**	**Adjusted Valve**	**133.3**	**2/6/2023***	
PHL2012S	7/17/2023	132.6	132.6	7/17/2023	Adjusted Valve	132.5	7/17/2023*	
PHL2013D	**4/24/2023**	**132**	**132.6**	**4/24/2023**	**Adjusted Valve**	**128.2**	**5/1/2023**	
PHL2102D	7/17/2023	131.9	132.1	7/17/2023	Adjusted Valve	132.1	7/17/2023*	
PHL2102S	**3/13/2023**	**132.3**	**132.6**	**3/13/2023**	**Adjusted Valve**	**133.2**	**3/13/2023**	In compliance on 6/7/2023 (130.6 F)
PHL2102S	**7/17/2023**	**132**	**132**	**7/17/2023**	**Adjusted Valve**	**131.6**	**7/17/2023***	
PHL2104D	**5/1/2023**	**132.3**	**132.3**	**5/1/2023**	**Adjusted Valve**	**129.8**	**5/15/2023**	
PHL2104D	**7/17/2023**	**133.4**	**133.4**	**7/17/2023**	**Adjusted Valve**	**133.4**	**7/17/2023***	
PHL2104S	**3/13/2023**	**132.2**	**132.3**	**3/13/2023**	**Adjusted Valve**	**129.8**	**3/22/2023**	
PHL2104S	**4/17/2023**	**131.5**	**131.7**	**4/17/2023**	**Adjusted Valve**	**131.9**	**4/17/2023***	
PHL2118D	**2/6/2023**	**138.3**	**138.3**	**2/6/2023**	**Adjusted Valve**	**135.8**	**2/14/2023**	In compliance on 3/22/2023 (129.1 F)
PHL2118D	**3/29/2023**	**134.3**	**134.5**	**3/29/2023**	**Adjusted Valve**	**136.4**	**4/5/2023***	
PHL2119D	**2/6/2023**	**139.6**	**139.7**	**2/6/2023**	**Adjusted Valve**	**139.4**	**2/6/2023***	
PHL2120D	**2/6/2023**	**141.8**	**141.8**	**2/6/2023**	**Adjusted Valve**	**141.4**	**2/6/2023***	
PHL2121D	**3/30/2023**	**134.7**	**135.1**	**3/30/2023**	**Adjusted Valve**	**135.5**	**3/30/2023**	In compliance on 5/1/2023 (126.2 F)
PHL2121D	**6/12/2023**	**146.1**	**146.1**	**6/12/2023**	**Adjusted Valve**	**138.8**	**7/17/2023***	
PHL2124D	**3/13/2023**	**135.4**	**135.4**	**3/13/2023**	**Adjusted Valve**	**137.1**	**4/24/2023***	
PHLF1916	**4/17/2023**	**131.3**	**131.3**	**4/17/2023**	**Adjusted Valve**	**129.3**	**4/24/2023**	
PHLF1916	**6/7/2023**	**131.2**	**131.2**	**6/7/2023**	**Adjusted Valve**	**129.1**	**6/19/2023**	
PHLF2205	7/17/2023	131.7	131.7	7/17/2023	Adjusted Valve	131.7	7/17/2023*	
PHLF2207	7/17/2023	131.6	131.7	7/17/2023	Adjusted Valve	131.7	7/17/2023*	
PHLF2209	2/6/2023	146.4	146.5	2/6/2023	Adjusted Valve	146.6	2/6/2023*	75 Day Extended timeline request submitted.
PHLF2211	5/15/2023	135	136.1	5/15/2023	Adjusted Valve	136.3	5/15/2023*	

Notes:

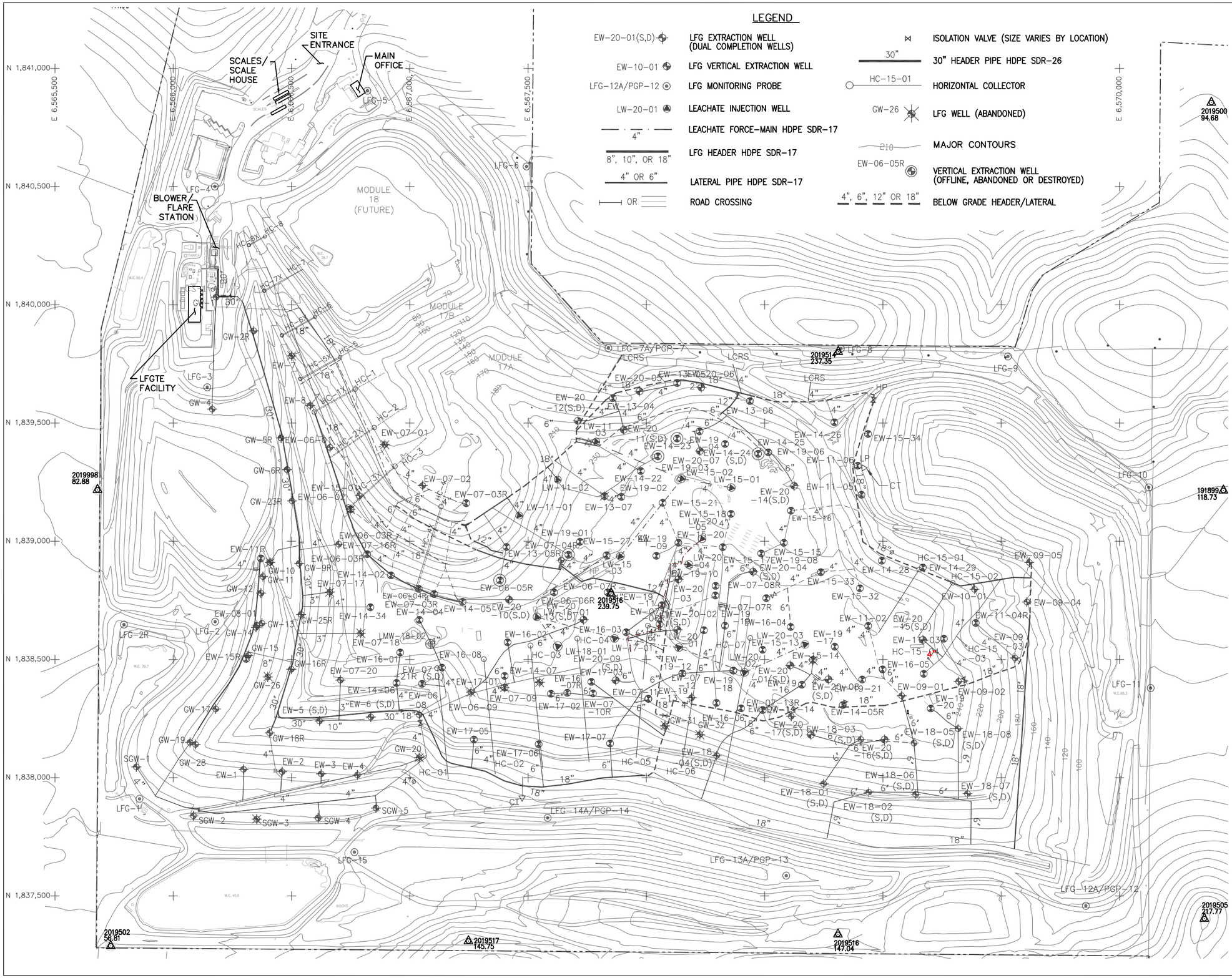
Wells in bold are awaiting response on HOV request submitted on May 6, 2022.

All required corrective action and remonitoring was completed in accordance with Rule 8-34 and NSPS/NESHAP timelines.

All wells, except 2121D and 2209, are in compliance with the NESHAP limit of 145 F. However, HOVs are necessary due to outdated temperature requirements in Rule 8-34 and Subpart WWW

*Exceedance remains at end of reporting period.

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
3217 FITE CIRCLE, SUITE 108
SACRAMENTO, CA 95827
PH. (916) 361-1297 FAX. (916) 361-1299
PROJ. NO. 01204092 | DWN. BY: MJE | CHK. BY: HMD
DSN. BY: MJE/AAS | APP. BY: MOC
ACAD FILE: SHT-2 FECS.21621

DATE: 2-16-21

SCALE: AS SHOWN

FIGURE: 1

Appendix B – Surface Emission and GCCS Component Leak Monitoring Results

March 20, 2023
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 First Quarter 2023 February Bi-monthly.

Dear Mr. Jappert:

SCS Field Services (SCS-FS) is pleased to provide Waste Connections (WCI), with the enclosed report summarizing the February 2023 bi-monthly surface emissions monitoring services provided at the Potrero Hills Landfill (Site) during the first quarter 2023. 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
Curt Fujii – Waste Connections
Mike Calmes – Waste Connections
Gabrielle Stephens – SCS Engineers
Hannah Morse - SCS Engineers

Potrero Hills Landfill

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

First Quarter 2023 (February 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 | March 20, 2023

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

Potrero Hills Landfill

Landfill Methane Rule and New Source Performance Standards Surface Emissions Monitoring First Quarter 2023 – February Bi-Monthly Testing

INTRODUCTION

This letter provides results of the first quarter bi-monthly February 1, 2, 6, 7, and 10, 2023 and March 1, 2023, 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 first quarter 2023 bi-monthly (February 2023) initial monitoring indicated three (3) integrated exceedances of the LMR threshold limit of 25 parts per million by volume (ppmv) measured as methane above background and fifteen (15) instantaneous exceedance of the NSPS and LMR threshold limit of 500 ppmv measured as methane above background. These results are discussed in a subsequent section of this report.

Additionally, during the first quarter 2023, 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 or health and safety concerns due to steep slopes. (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 February 2, 2023. The results indicated no exceedance of the NSPS and LMR instantaneous level of 500 ppmv at the A2 flare occurred. These results are discussed in a subsequent section of this report.

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, five (5) locations were observed to be between the 200-499 ppmv, reporting threshold (see Attachment 2). When/If these readings are observed, the locations (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 and are shown on Table 1 for reference.

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 February 1, 2 6, 7 and 10, 2023 and March 1, 2023, 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 first quarter 2023 bi-monthly (February 2023) SEM testing results indicated that three (3) areas exceeded the 25 ppmv integrated LMR threshold, and fifteen (15) locations exceeded the instantaneous LMR and NSPS threshold of 500 ppmv. The required 10-day (LMR/NSPS) and 30-day (NSPS) follow-up monitoring performed on February 6, 7, and 10, 2023 and March 1, 2023, indicated that the areas had returned to compliance following system adjustments and remediation by SCS and site personnel. Results of the monitoring, including the 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 first quarter 2023, several grids were not monitored as these areas were deemed unsafe by WCI personnel for entry due to active filling operations or steep slopes 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 February 2, 2023, 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 location was observed to exceed the 500 ppmv threshold during our monitoring event at the flare station. The maximum reading, which was 37.10 ppmv (see Table 1 for component results). Note that SCS prepares and submits a separate report for the Power Generation Facility operated by DTE.

PROJECT SCHEDULE

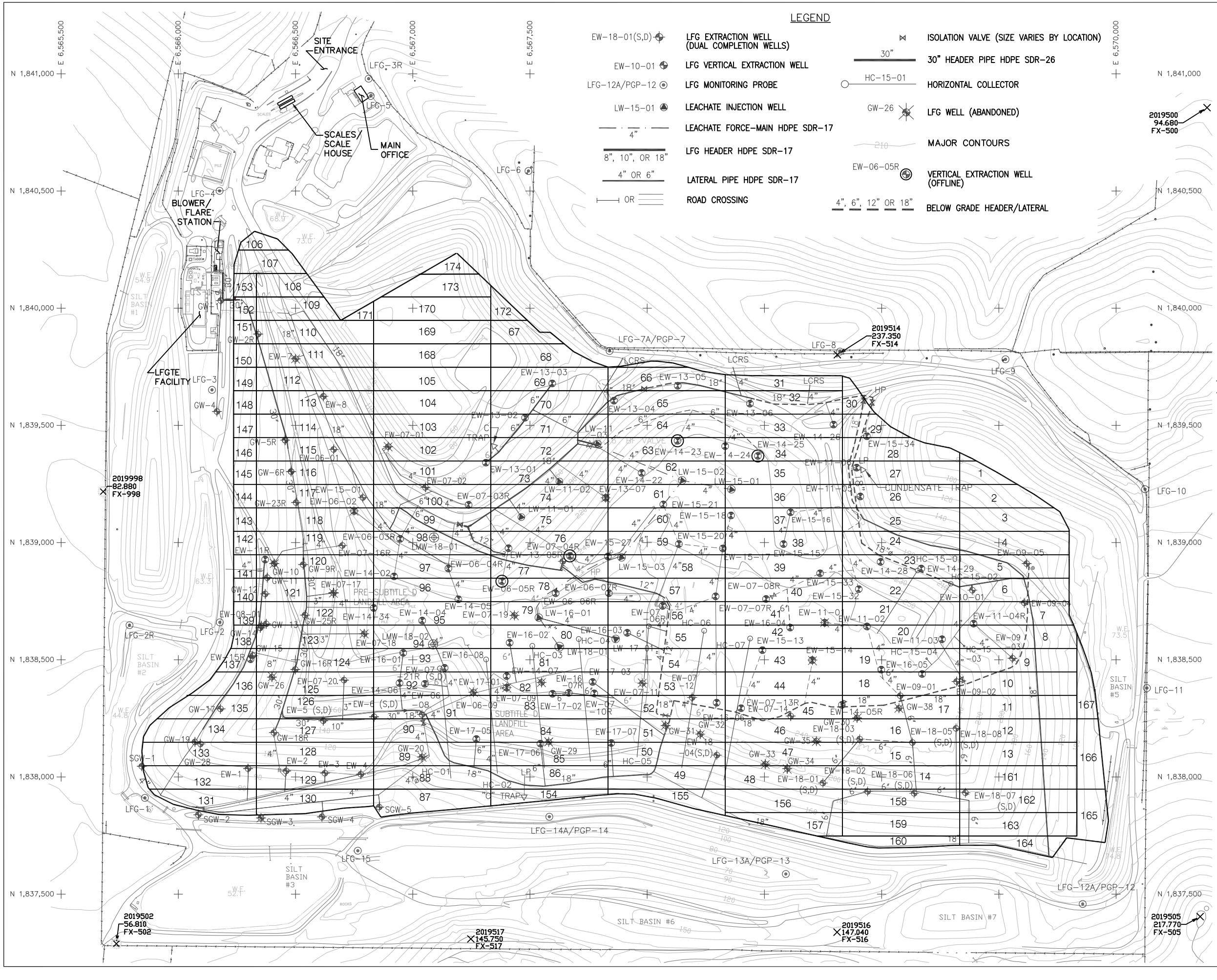
In accordance with our approved Work Scope and the BAAQMD compliance agreement, SCS is scheduled to perform the next NSPS and LMR bi-monthly testing during the month of April 2023, in all areas deemed safe for entry.

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



100 0 100 200 300

SCALE 1"=200'

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

POTRERO HILLS LANDFILL

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 | APP. BY: WLM | ACAD FILE: FIG 1.EECS.90619

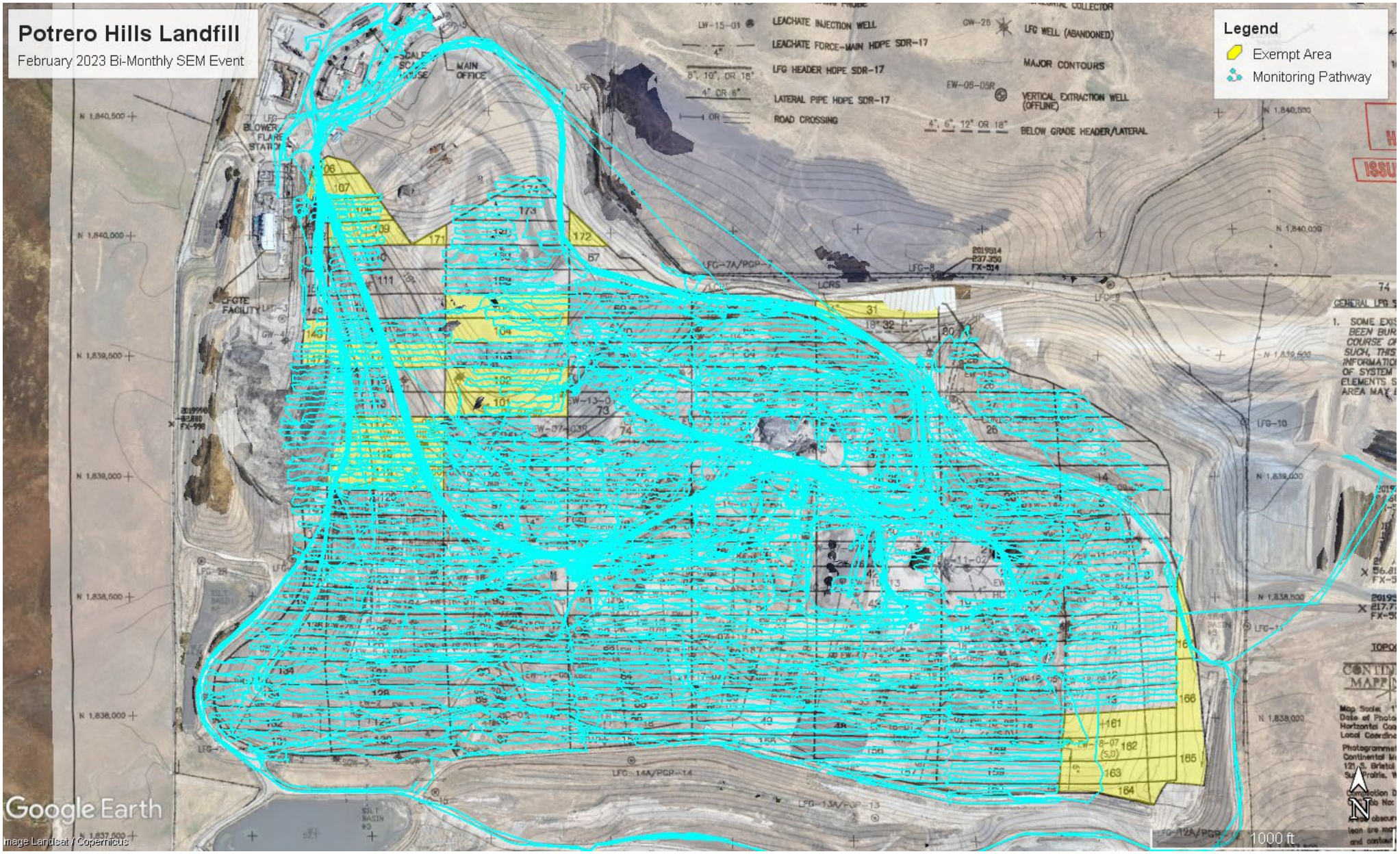
DATE: 05-21-19

SCALE: AS SHOWN

FIGURE: 1

Attachment 2

Surface Pathway



First Quarter 2023 February Bi-Monthly
LMR Surface Emissions Monitoring Pathway
Potrero Hills Landfill, Suisun City, California

Attachment 3

Instantaneous and Component Emissions Monitoring Results

First Quarter 2023 – February Bi-Monthly

Table 1. Instantaneous Surface and Component Emissions Monitoring Results

Potrero Hills Landfill, Suisun City, California

Instantaneous Data Report for February 1, 2, 6, 7 & 10, 2022 and March 1, 2023

Location	*Initial Concentration (ppmv)* *2/1&2/2023*	*10-day Recheck Concentration (ppmv)* *2/6&7/2023*	*30-day Recheck Concentration (ppmv)* *3/1/2023*	*Latitude Longitude*
1428	1,200	14	2	N38° 12.704' W121° 58.471'
1429	1,800	13.1	6	N38° 12.699' W121° 58.435'
1601	1,000	48.3	372	N38° 12.638' W121° 58.899'
EW2015S	6,400	325	325	N38° 12.648' W121° 58.435'
0606R1	1,200	206	15	N38° 12.680' W121° 58.755'
0716R	5,000	340	116	N38° 12.713' W121° 58.951'
1104R	720	309	274	N38° 12.652' W121° 58.382'
2119D	3,000	44.3	4	N38° 12.679' W121° 58.474'
2119S	6,000	54.5	3	N38° 12.679' W121° 58.475'
2105	18,000	26	298	N38° 12.773' W121° 58.832'
EW1001	1,100	333	6	N38° 12.684' W121° 58.389'
EW19-20	655	342	399	N38° 12.599' W121° 58.427'
EW2015D	1,800	284	5	N38° 12.648' W121° 58.434'

First Quarter 2023 – February Bi-Monthly

Table 1. Instantaneous Surface and Component Emissions Monitoring Results

Potrero Hills Landfill, Suisun City, California

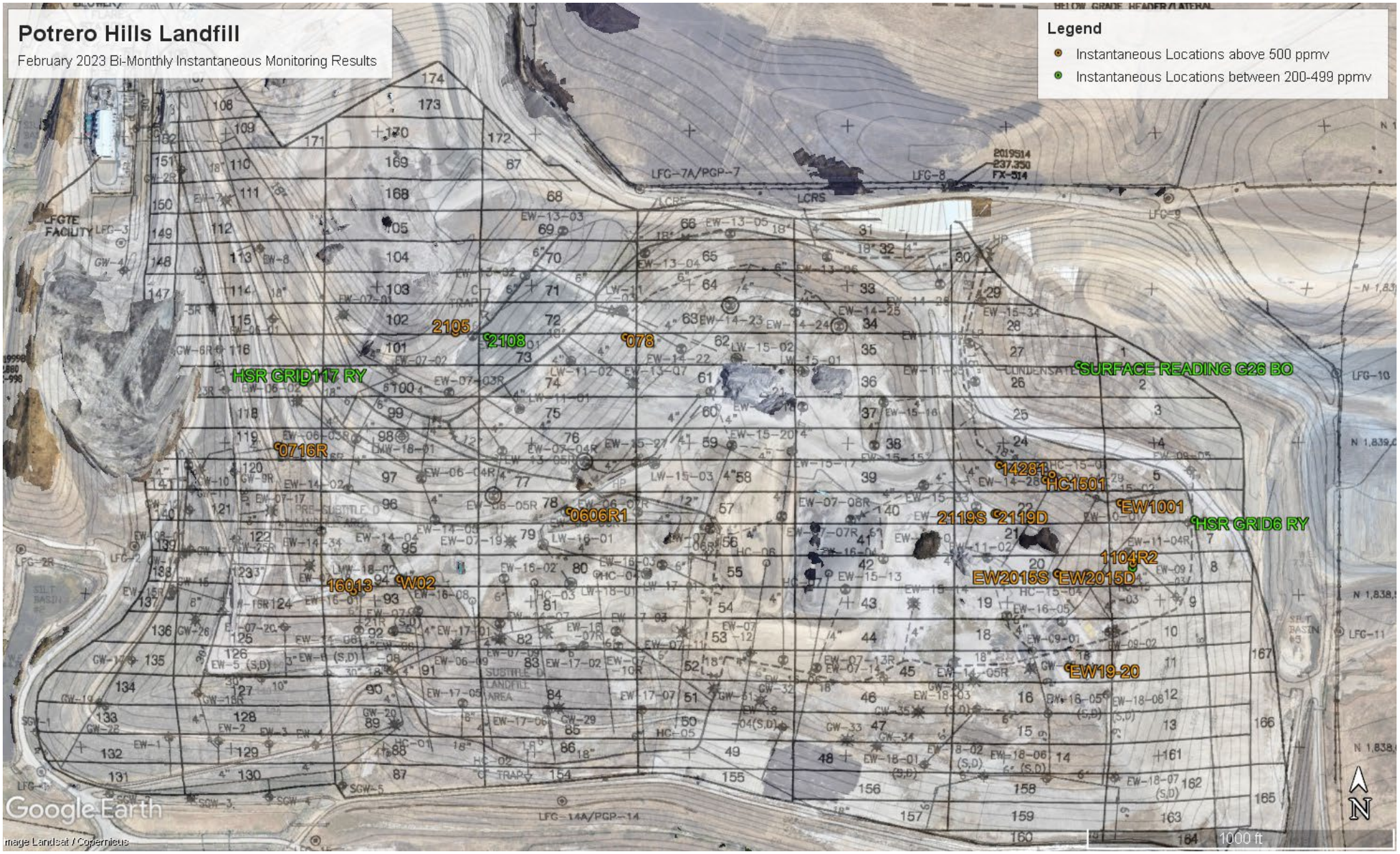
Location	*Initial Concentration (ppmv)* *2/1&2/2023*	*10-day Recheck Concentration (ppmv)* *2/6&7/2023*	*30-day Recheck Concentration (ppmv)* *3/1/2023*	*Latitude Longitude*
HC1501	500	185	330	N38° 12.696' W121° 58.440'
LMW02	1,000	45	5	N38° 12.644' W121° 58.868'
Locations between 200-499 ppmv				
2108	258	N/A	N/A	N38° 12.770' W121° 58.810'
1104R	276	N/A	N/A	N38° 12.650' W121° 58.382'
HSR GRID117 RY	256	N/A	N/A	N38° 12.747' W121° 58.933'
SURFACE READINGG26 BO	315	N/A	N/A	N38° 12.756' W121° 58.412'
HSR GRID6 RY	246	N/A	N/A	N38° 12.674' W121° 58.335'

Instantaneous Data Report for February 1, 2, 6, 7 & 10, 2022 and March 1, 2023

Pressurized Pipe Results

Route	*Initial Concentration (ppmv)* *2/2/2023*	*Latitude*	*Longitude*
LFG BFS	37.10	38° 12.916°	-121° 59.059°

No uncorrectable exceedances of the 500 ppm threshold were observed during the first quarter 2023 February bi-monthly monitoring event.



First Quarter 2023 February Bi-Monthly Instantaneous Locations above 200 ppmv and 500 ppmv Potrero Hills Landfill, Suisun City, California

Attachment 4

Integrated Monitoring Results

First Quarter February Bi-Monthly 2023

Table 2. Integrated Surface Emissions Monitoring Results

Potrero Hills Landfill, Suisun City, California

Point Name	Record Date	FID Concentration (ppm)	Comments
PLF-1	2/2/2023	4.02	
PLF-2	2/2/2023	7.68	
PLF-3	2/2/2023	5.42	
PLF-4	2/2/2023	4.33	
PLF-5	2/6/2023	4.96	
PLF-6	2/6/2023	6.13	
PLF-7	2/6/2023	1.82	
PLF-8	2/6/2023	4.96	
PLF-9	2/6/2023	6.25	
PLF-10	2/6/2023	8.41	
PLF-11	2/7/2023	6.89	
PLF-12	2/7/2023	5.45	
PLF-13	2/7/2023	3.92	
PLF-14	2/2/2023	13.07	
PLF-15	2/2/2023	13.30	
PLF-16	2/2/2023	8.61	
PLF-17	2/2/2023	15.08	
PLF-18	2/2/2023	19.54	
PLF-19	2/2/2023	22.17	
PLF-20	2/2/2023	18.59	
PLF-21	2/2/2023	11.37	
PLF-22	2/2/2023	9.83	
PLF-23	2/7/2023	4.53	
PLF-24	2/2/2023	5.02	
PLF-25	2/2/2023	6.03	
PLF-26	2/2/2023	10.60	
PLF-27	2/2/2023	8.24	
PLF-28	2/7/2023	2.20	
PLF-29	2/7/2023	6.04	
PLF-30	2/7/2023	4.18	
PLF-31	--	--	Exempt Grid
PLF-32	2/2/2023	12.68	
PLF-33	2/2/2023	5.91	
PLF-34	2/6/2023	7.28	
PLF-35	2/2/2023	4.38	
PLF-36	2/2/2023	2.56	
PLF-37	2/7/2023	7.73	
PLF-38	2/6/2023	2.02	
PLF-39	2/6/2023	2.38	
PLF-40	2/6/2023	2.85	
PLF-41	2/7/2023	3.06	
PLF-42	2/7/2023	4.25	
PLF-43	2/7/2023	8.21	

First Quarter February Bi-Monthly 2023

Table 2. Integrated Surface Emissions Monitoring Results

Potrero Hills Landfill, Suisun City, California

Point Name	Record Date	FID Concentration (ppm)	Comments
PLF-44	2/7/2023	10.03	
PLF-45	2/2/2023	6.46	
PLF-46	2/2/2023	5.15	
PLF-47	2/2/2023	5.50	
PLF-48	2/2/2023	7.57	
PLF-49	2/2/2023	3.97	
PLF-50	2/2/2023	4.81	
PLF-51	2/2/2023	6.58	
PLF-52	2/2/2023	3.23	
PLF-53	2/2/2023	2.78	
PLF-54	2/2/2023	4.45	
PLF-55	2/2/2023	3.93	
PLF-56	2/2/2023	2.93	
PLF-57	2/6/2023	3.50	
PLF-58	2/6/2023	2.99	
PLF-59	2/6/2023	2.74	
PLF-60	2/6/2023	2.92	
PLF-61	2/2/2023	1.35	
PLF-62	2/2/2023	1.14	
PLF-63	2/6/2023	3.44	
PLF-64	2/2/2023	4.98	
PLF-65	2/7/2023	8.43	
PLF-66	2/7/2023	9.45	
PLF-68	2/7/2023	2.23	
PLF-69	2/7/2023	1.33	
PLF-70	2/7/2023	2.94	
PLF-71	2/1/2023	3.70	
PLF-72	2/6/2023	3.88	
PLF-73	2/6/2023	5.61	
PLF-74	2/6/2023	3.22	
PLF-75	2/1/2023	6.60	
PLF-76	2/1/2023	7.89	
PLF-77	2/1/2023	5.83	
PLF-78	2/1/2023	10.44	
PLF-79	2/1/2023	4.40	
PLF-80	2/2/2023	3.89	
PLF-81	2/2/2023	2.93	
PLF-82	2/2/2023	2.77	
PLF-83	2/2/2023	3.04	
PLF-84	2/2/2023	6.13	
PLF-85	2/2/2023	3.86	
PLF-86	2/2/2023	3.21	
PLF-87	2/2/2023	4.98	

First Quarter February Bi-Monthly 2023
Table 2. Integrated Surface Emissions Monitoring Results
Potrero Hills Landfill, Suisun City, California

Point Name	Record Date	FID Concentration (ppm)	Comments
PLF-88	2/2/2023	8.34	
PLF-89	2/2/2023	6.29	
PLF-90	2/2/2023	8.45	
PLF-91	2/2/2023	4.80	
PLF-92	2/2/2023	6.14	
PLF-93	2/2/2023	2.95	
PLF-94	2/1/2023	7.08	
PLF-95	2/1/2023	7.38	
PLF-96	2/1/2023	9.49	
PLF-97	2/1/2023	8.59	
PLF-98	2/1/2023	23.07	
PLF-99	2/1/2023	14.31	
PLF-101	--	--	Exempt Grid
PLF-102	--	--	Exempt Grid
PLF-103	2/1/2023	16.89	
PLF-104	--	--	Exempt Grid
PLF-105	--	--	Exempt Grid
PLF-106	--	--	Exempt Grid
PLF-107	--	--	Exempt Grid
PLF-108	--	--	Exempt Grid
PLF-109	--	--	Exempt Grid
PLF-110	2/2/2023	53.89	Initial Monitoring
PLF-110	2/10/2023	2.77	First 10-Day Recheck
PLF-111	2/6/2023	19.06	
PLF-112	2/6/2023	16.66	
PLF-113	2/1/2023	73.89	Initial Monitoring
PLF-113	2/10/2023	4.78	First 10-Day Recheck
PLF-114	--	--	Exempt Grid
PLF-115	2/6/2023	16.48	
PLF-116	2/6/2023	16.94	
PLF-117	--	--	Exempt Grid
PLF-118	--	--	Exempt Grid
PLF-119	--	--	Exempt Grid
PLF-120	2/2/2023	21.55	
PLF-121	2/2/2023	15.15	
PLF-122	2/2/2023	11.48	
PLF-123	2/2/2023	5.88	
PLF-124	2/2/2023	3.18	
PLF-125	2/2/2023	3.29	
PLF-126	2/2/2023	3.95	
PLF-127	2/2/2023	5.67	
PLF-128	2/2/2023	5.29	

First Quarter February Bi-Monthly 2023

Table 2. Integrated Surface Emissions Monitoring Results

Potrero Hills Landfill, Suisun City, California

Point Name	Record Date	FID Concentration (ppm)	Comments
PLF-129	2/2/2023	3.87	
PLF-130	2/2/2023	2.80	
PLF-131	2/2/2023	2.11	
PLF-132	2/2/2023	2.82	
PLF-133	2/2/2023	4.60	
PLF-134	2/2/2023	3.38	
PLF-135	2/2/2023	3.60	
PLF-136	2/2/2023	2.60	
PLF-137	2/2/2023	6.15	
PLF-138	2/2/2023	9.20	
PLF-139	2/2/2023	9.96	
PLF-140	2/2/2023	8.91	
PLF-141	2/2/2023	9.73	
PLF-142	2/2/2023	11.99	
PLF-143	2/2/2023	10.20	
PLF-144	2/6/2023	4.29	
PLF-145	2/6/2023	6.21	
PLF-146	2/6/2023	1.73	
PLF-147	--	--	Exempt Grid
PLF-148	--	--	Exempt Grid
PLF-149	2/7/2023	15.48	
PLF-150	2/7/2023	16.66	
PLF-151	2/7/2023	18.79	
PLF-152	2/7/2023	18.03	
PLF-153	2/2/2023	60.86	Initial Monitoring
PLF-153	2/10/2023	2.02	First 10-Day Recheck
PLF-154	2/2/2023	2.86	
PLF-155	2/2/2023	3.79	
PLF-156	2/2/2023	5.77	
PLF-157	2/2/2023	5.15	
PLF-158	2/2/2023	7.96	
PLF-159	2/2/2023	7.93	
PLF-160	2/2/2023	8.92	
PLF-161	--	--	Exempt Grid
PLF-162	--	--	Exempt Grid
PLF-163	--	--	Exempt Grid
PLF-164	--	--	Exempt Grid
PLF-165	--	--	Exempt Grid
PLF-166	--	--	Exempt Grid
PLF-167	--	--	Exempt Grid
PLF-168	2/2/2023	1.65	
PLF-169	2/2/2023	2.30	
PLF-170	2/2/2023	1.90	

First Quarter February Bi-Monthly 2023

Table 2. Integrated Surface Emissions Monitoring Results

Potrero Hills Landfill, Suisun City, California

Point Name	Record Date	FID Concentration (ppm)	Comments
PLF-171	--	--	Exempt Grid
PLF-172	--	--	Exempt Grid
PLF-173	2/2/2023	3.40	
PLF-174	2/2/2023	0.90	

Attachment 5

Calibration Logs

SURFACE EMISSIONS MONITORING
CALIBRATION AND PERTINENT DATA

Date: 02/01/23 Site Name: Potrero

Inspector(s): Don, G Instrument: TVA 2020

WEATHER OBSERVATIONS

Wind Speed: 4 MPH Wind Direction: SE Barometric Pressure: 30.11 "Hg

Air Temperature: 37 °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: 1421 Cal Gas Concentration: 500ppm

Trial	Zero Air Reading	Cal Gas Reading	|Cal Gas Conc.-Cal Gas Reading|	Response Time (seconds)
1	-0.1	502	2	2
2	0.0	499	1	3
3	-0.1	499	1	3

Average Difference: 4

*Perform recalibration if average difference is greater than 10

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

= 100%- 1.3 /500 x 100%

= 99.74%

Span Sensitivity:

Trial 1:

Counts Observed for the Span= 150580

Counters Observed for the Zero= 4296

Trial 2:

Counts Observed for the Span= 155584

Counters Observed for the Zero= 4313

Trial 3:

Counts Observed for the Span= 155780

Counters Observed for the Zero= 4337

Post Monitoring Calibration Check

Zero Air Reading: -0.1 ppm Cal Gas Reading: 499 ppm

BACKGROUND CONCENTRATIONS CHECKS

Upwind Location Description: EntrancE Reading: 1.4 ppm

Downwind Location Description: Flare 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: 2·1·23 Site Name: Potrero

Inspector(s): ~~B. Warren~~ D. Romero Instrument: TVA 2020

WEATHER OBSERVATIONS

Wind Speed: 4 MPH Wind Direction: SE Barometric Pressure: 30.11 "Hg

Air Temperature: 37 °F General Weather Conditions: 37 (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	0.0	500	0	2
2	0.0	505	5	2
3	-0.1	499	1	3

Average Difference: 4

*Perform recalibration if average difference is greater than 10

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

= 100%- 1.3 /500 x 100%

= 99.74 %

Span Sensitivity:

Trial 1:
Counts Observed for the Span= 149912
Counters Observed for the Zero= 3882

Trial 2:
Counts Observed for the Span= 147268
Counters Observed for the Zero= 3722

Trial 3:
Counts Observed for the Span= 157704
Counters Observed for the Zero= 3888

Post Monitoring Calibration Check

Zero Air Reading: 0.1 ppm Cal Gas Reading: 501 ppm

BACKGROUND CONCENTRATIONS CHECKS

Upwind Location Description: Entrance Reading: ~~2.1~~ 1.4 ppm

Downwind Location Description: Flare 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: 02/01/23   Site Name: Potrero

Inspector(s): ~~R. Yafez~~ A. Gomez   Instrument: TVA 2020

WEATHER OBSERVATIONS

Wind Speed: 4 MPH   Wind Direction: SE   Barometric Pressure: 30.11 "Hg

Air Temperature: 37 °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: 2364   Cal Gas Concentration: 500ppm

Trial	Zero Air Reading	Cal Gas Reading	|Cal Gas Conc.-Cal Gas Reading|	Response Time (seconds)
1	-0.1	505	5	3
2	0	501	1	2
3	0.1	503	3	3

Average Difference: 9

*Perform recalibration if average difference is greater than 10

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

= 100%- 3 /500 x 100%

= 99.4 %

Span Sensitivity:

Trial 1:

Counts Observed for the Span= 189424

Counters Observed for the Zero= 5097

Trial 2:

Counts Observed for the Span= 192972

Counters Observed for the Zero= 5403

Trial 3:

Counts Observed for the Span= 192744

Counters Observed for the Zero= 4480

Post Monitoring Calibration Check

Zero Air Reading: -0.1 ppm   Cal Gas Reading: 499 ppm

BACKGROUND CONCENTRATIONS CHECKS

Upwind Location Description: EntrancE   Reading: 1.5 ppm

Downwind Location Description: Flare   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: 02/01/23   Site Name: Potrero

Inspector(s): R.Warren   Instrument: TVA 2020

WEATHER OBSERVATIONS

Wind Speed: 4 MPH   Wind Direction: SE   Barometric Pressure: 30.11 "Hg

Air Temperature: 37 °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: 4388   Cal Gas Concentration: 500ppm

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

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= 127048

Counters Observed for the Zero= 4000

Trial 2:

Counts Observed for the Span= 128024

Counters Observed for the Zero= 4001

Trial 3:

Counts Observed for the Span= 130516

Counters Observed for the Zero= 3991

Post Monitoring Calibration Check

Zero Air Reading: ______ ppm   Cal Gas Reading: ______ 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: 2.2.23 Site Name: Potrero

Inspector(s): D. Romero Instrument: TVA 2020

WEATHER OBSERVATIONS

Wind Speed: ______ MPH Wind Direction: SW Barometric Pressure: 29.8 "Hg

Air Temperature: 36 °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	0.0	501	1	3
2	-0.1	500	0	3
3	0.0	500	0	3

Average Difference: 1

*Perform recalibration if average difference is greater than 10

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

= 100%- .3 /500 x 100%

= 99.94%

Span Sensitivity:

Trial 1:

Counts Observed for the Span= 149312

Counters Observed for the Zero= 5414

Trial 2:

Counts Observed for the Span= 152372

Counters Observed for the Zero= 3319

Trial 3:

Counts Observed for the Span= 152040

Counters Observed for the Zero= 3033

Post Monitoring Calibration Check

Zero Air Reading: 0.1 ppm Cal Gas Reading: 499 ppm

BACKGROUND CONCENTRATIONS CHECKS

Upwind Location Description: Entrance Reading: 1.4 ppm

Downwind Location Description: Flare 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.

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SURFACE EMISSIONS MONITORING
CALIBRATION AND PERTINENT DATA

Date: 2.2.23 | Site Name: Potrero

Inspector(s): A, GOMEZ | Instrument: TVA 2020

WEATHER OBSERVATIONS

Wind Speed: 5 MPH | Wind Direction: SW | Barometric Pressure: 29.8 "Hg

Air Temperature: 36 °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: 5419 | Cal Gas Concentration: 500ppm

Trial	Zero Air Reading	Cal Gas Reading	|Cal Gas Conc.-Cal Gas Reading|	Response Time (seconds)
1	0	499	1	5
2	-0.1	500	0	6
3	0	499	1	5

Average Difference: 2

*Perform recalibration if average difference is greater than 10

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

= 100%- .6 /500 x 100%

= 99.88%

Span Sensitivity:

Trial 1:

Counts Observed for the Span= 183316

Counters Observed for the Zero= 5417

Trial 2:

Counts Observed for the Span= 184160

Counters Observed for the Zero= 5444

Trial 3:

Counts Observed for the Span= 186712

Counters Observed for the Zero= 3440

Post Monitoring Calibration Check

Zero Air Reading: -0.1 ppm | Cal Gas Reading: 501 ppm

BACKGROUND CONCENTRATIONS CHECKS

Upwind Location Description: Entrance | Reading: 1.5 ppm

Downwind Location Description: Flare | 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: 2-2-2023 Site Name: Potrero

Inspector(s): Andrew. Stone Instrument: TVA 2020

WEATHER OBSERVATIONS

Wind Speed: 5 MPH Wind Direction: SW Barometric Pressure: 29.8 "Hg

Air Temperature: 36 °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: 2364 Cal Gas Concentration: 500ppm

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

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= 181796

Counters Observed for the Zero= 4703

Trial 2:

Counts Observed for the Span= 181908

Counters Observed for the Zero= 4203

Trial 3:

Counts Observed for the Span= 181800

Counters Observed for the Zero= 4190

Post Monitoring Calibration Check

Zero Air Reading: ________ ppm Cal Gas Reading: ________ 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: 2-2-23 Site Name: Potrero

Inspector(s): E. Paz Instrument: TVA 2020

WEATHER OBSERVATIONS

Wind Speed: ________ MPH Wind Direction: ________ Barometric Pressure: ________ "Hg

Air Temperature: ________ °F General Weather Conditions: ________

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	-0.1	499	1	3
2	0	502	2	2
3	-0.1	500	0	2

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= 125328

Counters Observed for the Zero= 4029

Trial 2:

Counts Observed for the Span= 130256

Counters Observed for the Zero= 4035

Trial 3:

Counts Observed for the Span= 136144

Counters Observed for the Zero= 3833

Post Monitoring Calibration Check

Zero Air Reading: ________ ppm Cal Gas Reading: ________ 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: 2-2-23 Site Name: Potrero

Inspector(s): B. OCHOA Instrument: TVA 2020

WEATHER OBSERVATIONS

Wind Speed: 5 MPH Wind Direction: SW Barometric Pressure: 29.8 "Hg

Air Temperature: 36 °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: 5421 Cal Gas Concentration: 500ppm

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

Average Difference: 2

*Perform recalibration if average difference is greater than 10

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

= 100%- .6 /500 x 100%

= 99.88 %

Span Sensitivity:

Trial 1:
Counts Observed for the Span= 147452
Counters Observed for the Zero= 3249

Trial 2:
Counts Observed for the Span= 147012
Counters Observed for the Zero= 4133

Trial 3:
Counts Observed for the Span= 201584
Counters Observed for the Zero= 4079

Post Monitoring Calibration Check

Zero Air Reading: 0.1 ppm Cal Gas Reading: 501 ppm

BACKGROUND CONCENTRATIONS CHECKS

Upwind Location Description: Entrance Reading: 1.4 ppm

Downwind Location Description: FLARE 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: 2-7-23 Site Name: Potrero

Inspector(s): D. Gibson Instrument: TVA 2020

WEATHER OBSERVATIONS

Wind Speed: 5 MPH Wind Direction: SW Barometric Pressure: 29.8 "Hg

Air Temperature: 36 °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: 4398 Cal Gas Concentration: 500ppm

Trial	Zero Air Reading	Cal Gas Reading	|Cal Gas Conc.-Cal Gas Reading|	Response Time (seconds)
1	0	503	3	6
2	0	500	0	5
3	0	500	0	5

Average Difference: 3

*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= 136424
Counters Observed for the Zero= 3865

Trial 2:
Counts Observed for the Span= 142900
Counters Observed for the Zero= 3810

Trial 3:
Counts Observed for the Span= 197889
Counters Observed for the Zero= 3752

Post Monitoring Calibration Check

Zero Air Reading: -0.1 ppm Cal Gas Reading: 500 ppm

BACKGROUND CONCENTRATIONS CHECKS

Upwind Location Description: Entrance Reading: 1.4 ppm

Downwind Location Description: Flare 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: 2.2.23 | Site Name: Potrero

Inspector(s): R. WARREN | Instrument: TVA 2020

WEATHER OBSERVATIONS

Wind Speed: 5 MPH | Wind Direction: SW | Barometric Pressure: 29.8 "Hg

Air Temperature: 36 °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: 2367 | Cal Gas Concentration: 500ppm

Trial	Zero Air Reading	Cal Gas Reading	|Cal Gas Conc.-Cal Gas Reading|	Response Time (seconds)
1	0	502	2	5
2	-0.1	500	0	4
3	0	504	4	6

Average Difference: 6

*Perform recalibration if average difference is greater than 10

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

= 100%- 2 /500 x 100%

= 99.6 %

Span Sensitivity:

Trial 1:
Counts Observed for the Span= 173880
Counters Observed for the Zero= 5278

Trial 2:
Counts Observed for the Span= 176112
Counters Observed for the Zero= 5163

Trial 3:
Counts Observed for the Span= 123796
Counters Observed for the Zero= 5086

Post Monitoring Calibration Check

Zero Air Reading: 0.1 ppm | Cal Gas Reading: 501 ppm

BACKGROUND CONCENTRATIONS CHECKS

Upwind Location Description: ENTRANCE | Reading: 1.4 ppm

Downwind Location Description: FLARE | 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: 2/6/23 Site Name: Potrero

Inspector(s): Rashad Warren Instrument: TVA 2020

WEATHER OBSERVATIONS

Wind Speed: 5 MPH Wind Direction: E Barometric Pressure: 30.41 "Hg

Air Temperature: 42 °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	2
2	0	499	1	3
3	0	499	1	2

Average Difference: 0.6

*Perform recalibration if average difference is greater than 10

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

= 100%- 0.6 /500 x 100%

= 99.88%

Span Sensitivity:

Trial 1:
Counts Observed for the Span= 139960
Counters Observed for the Zero= 2857

Trial 2:
Counts Observed for the Span= 141232
Counters Observed for the Zero= 2805

Trial 3:
Counts Observed for the Span= 141092
Counters Observed for the Zero= 2798

Post Monitoring Calibration Check

Zero Air Reading: 0.3 ppm Cal Gas Reading: 500 ppm

BACKGROUND CONCENTRATIONS CHECKS

Upwind Location Description: Flare Reading: 2.0 ppm

Downwind Location Description: G.30 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: 2/6/23 Site Name: Potrero

Inspector(s): B. Ochoa Instrument: TVA 2020

WEATHER OBSERVATIONS

Wind Speed: 5 MPH Wind Direction: E Barometric Pressure: 30.41 "Hg

Air Temperature: 42 °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: 5421 Cal Gas Concentration: 500ppm

Trial	Zero Air Reading	Cal Gas Reading	|Cal Gas Conc.-Cal Gas Reading|	Response Time (seconds)
1	0	497	3	3
2	0	500	0	3
3	0	502	2	2

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%

= 99.68%

Span Sensitivity:

Trial 1:
Counts Observed for the Span= 147492
Counters Observed for the Zero= ~~4178~~ 4105

Trial 2:
Counts Observed for the Span= 147152
Counters Observed for the Zero= 4045

Trial 3:
Counts Observed for the Span= 147200
Counters Observed for the Zero= 4046

Post Monitoring Calibration Check

Zero Air Reading: 0.1 ppm Cal Gas Reading: 497 ppm

BACKGROUND CONCENTRATIONS CHECKS

Upwind Location Description: Flare Reading: 2.3 ppm

Downwind Location Description: G-30 Reading: 1.9 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: 2/6/23 Site Name: Potrero

Inspector(s): Ricardo Yepez Instrument: TVA 2020

WEATHER OBSERVATIONS

Wind Speed: 5 MPH Wind Direction: E Barometric Pressure: 30.41 "Hg

Air Temperature: 42 °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: 2364 Cal Gas Concentration: 500ppm

Trial	Zero Air Reading	Cal Gas Reading	|Cal Gas Conc.-Cal Gas Reading|	Response Time (seconds)
1	0	500	0	2
2	-0.1	499	1	2
3	0	503	3	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= 181440

Counters Observed for the Zero= 4198

Trial 2:

Counts Observed for the Span= ~~191242~~ 178344

Counters Observed for the Zero= 4510

Trial 3:

Counts Observed for the Span= 187876

Counters Observed for the Zero= 4088

Post Monitoring Calibration Check

Zero Air Reading: 0.2 ppm Cal Gas Reading: 499 ppm

BACKGROUND CONCENTRATIONS CHECKS

Upwind Location Description: Flare Reading: 2.5 ppm

Downwind Location Description: G 30 Reading: 1.8 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: 2-10-23 Site Name: Potrero

Inspector(s): Bryan Ochoa Instrument: TVA 2020

WEATHER OBSERVATIONS

Wind Speed: 3 MPH Wind Direction: SW Barometric Pressure: 30.21 "Hg

Air Temperature: 37 °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: 5419 Cal Gas Concentration: 500ppm

Trial	Zero Air Reading	Cal Gas Reading	|Cal Gas Conc.-Cal Gas Reading|	Response Time (seconds)
1	-0.1	502	2	4
2	-0.1	498	2	3
3	-0.1	499	1	5

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%

= %

Span Sensitivity:

Trial 1:
Counts Observed for the Span= 179960
Counters Observed for the Zero= 5457

Trial 2:
Counts Observed for the Span= 186456
Counters Observed for the Zero= 5367

Trial 3:
Counts Observed for the Span= 184412
Counters Observed for the Zero= 5361

Post Monitoring Calibration Check

Zero Air Reading: -3.7 ppm Cal Gas Reading: 504 ppm

BACKGROUND CONCENTRATIONS CHECKS

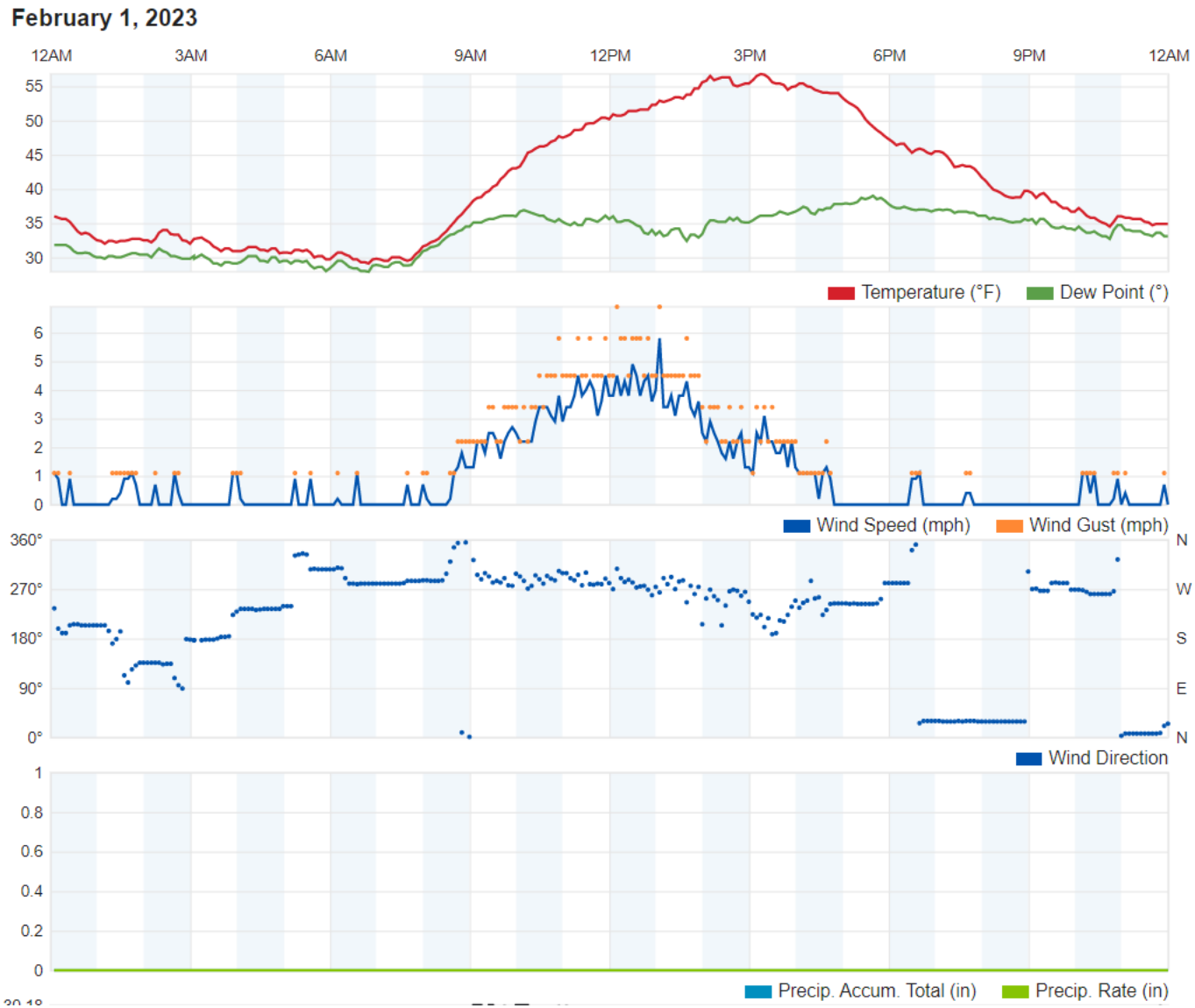
Upwind Location Description: Flare Reading: 2.7 ppm

Downwind Location Description: Grid 164 Reading: 4.2 ppm

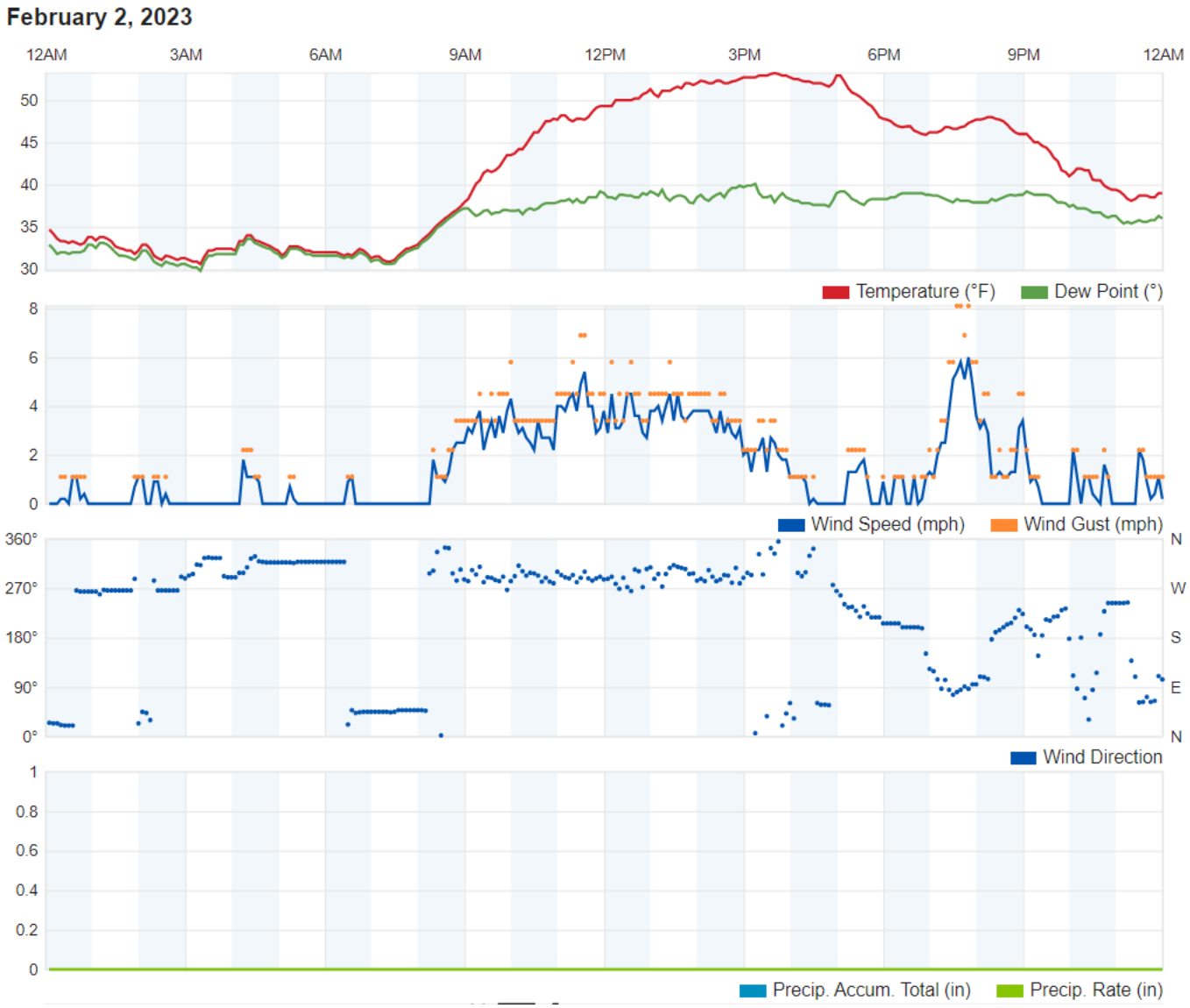
Notes: Wind speed averages were observed to remain below the alternative requested 10 miles per hour and no instantaneous speeds exceeded 20 miles per hour. No rainfall had occurred within the previous 24 hours of the monitoring event. Therefore, site meteorological conditions were within the requested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

Attachment 6

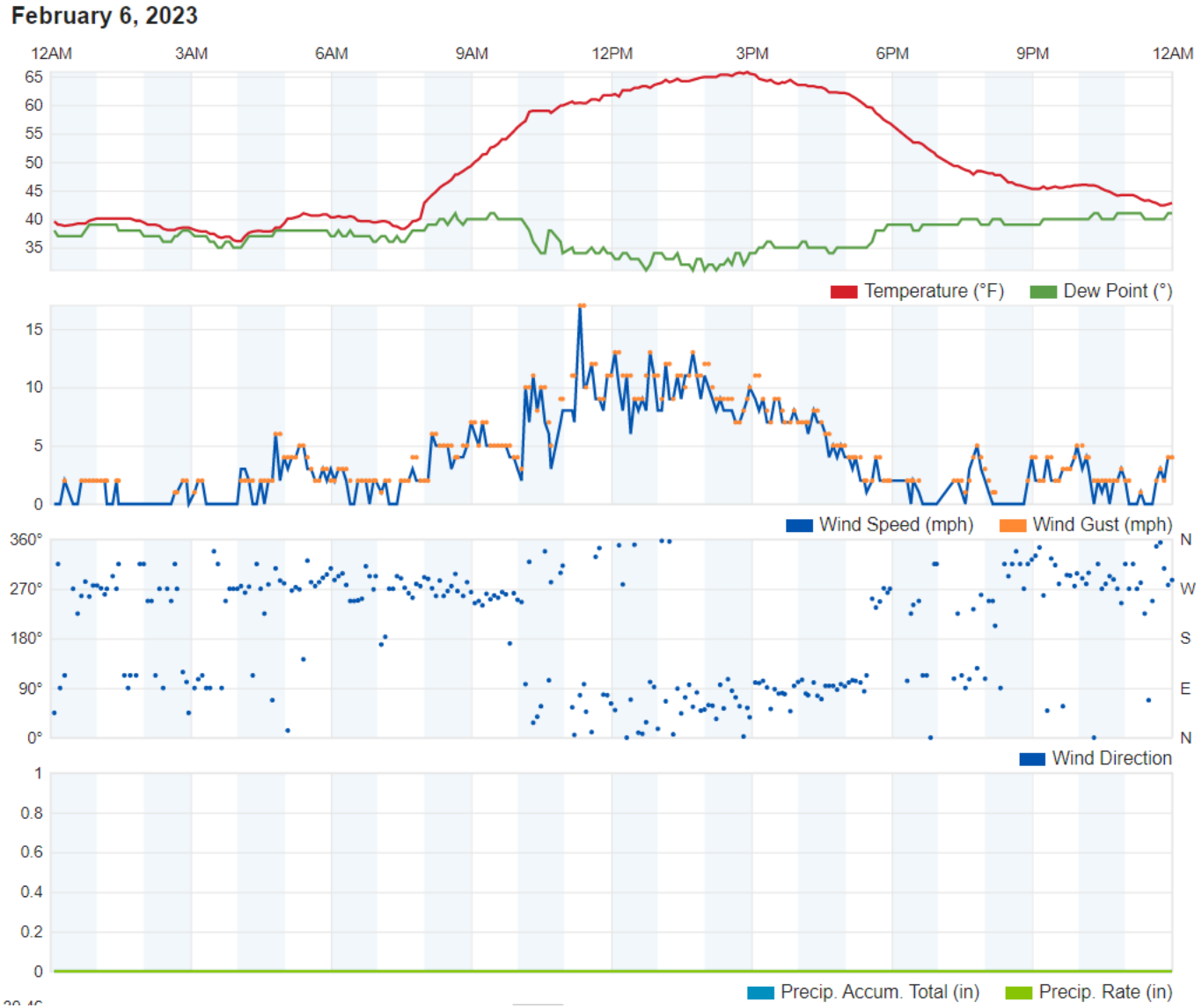
Weather Data



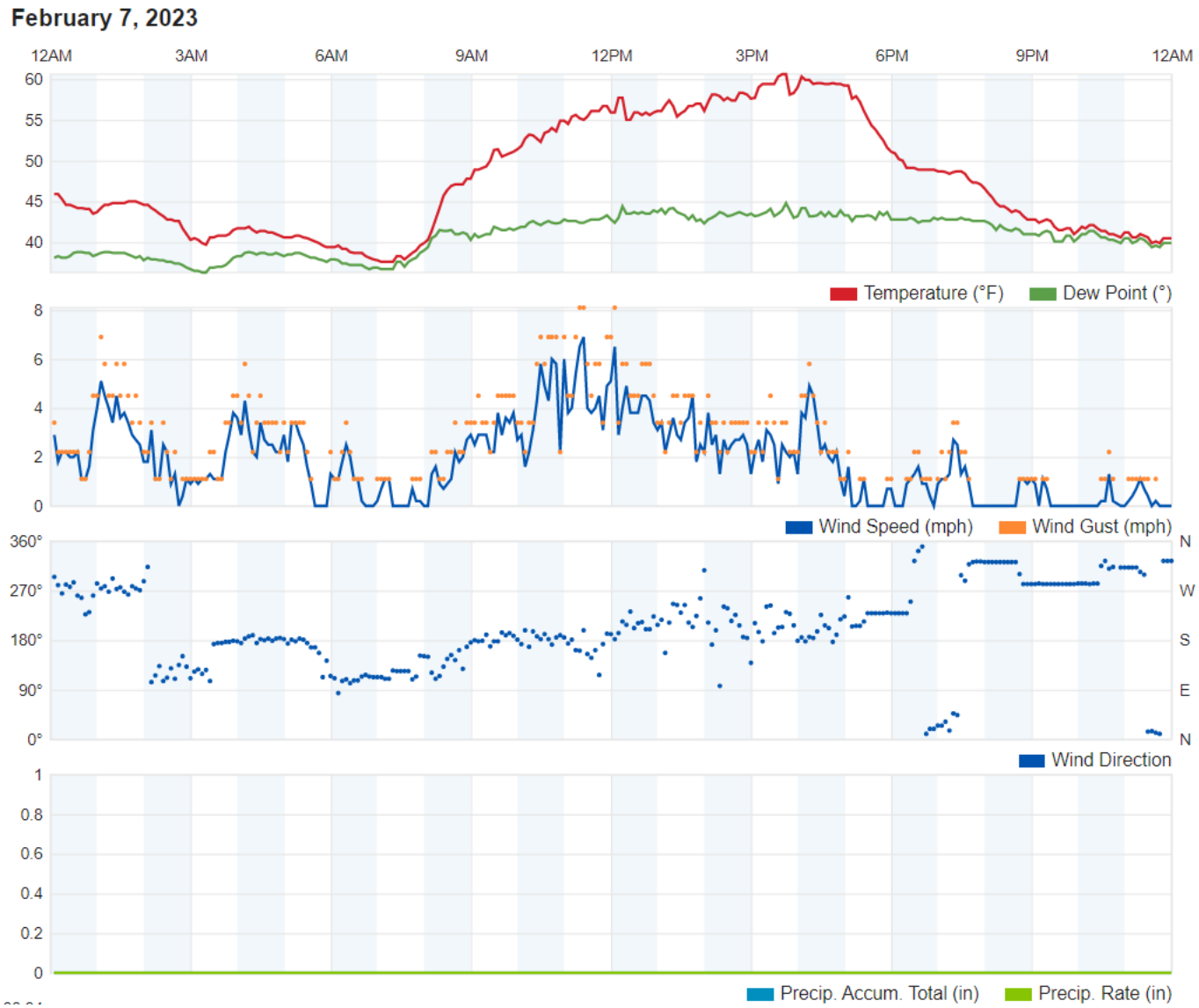
February 1, 2023
Emissions Monitoring Weather Data
Potrero Hills Landfill, Suisun City, California



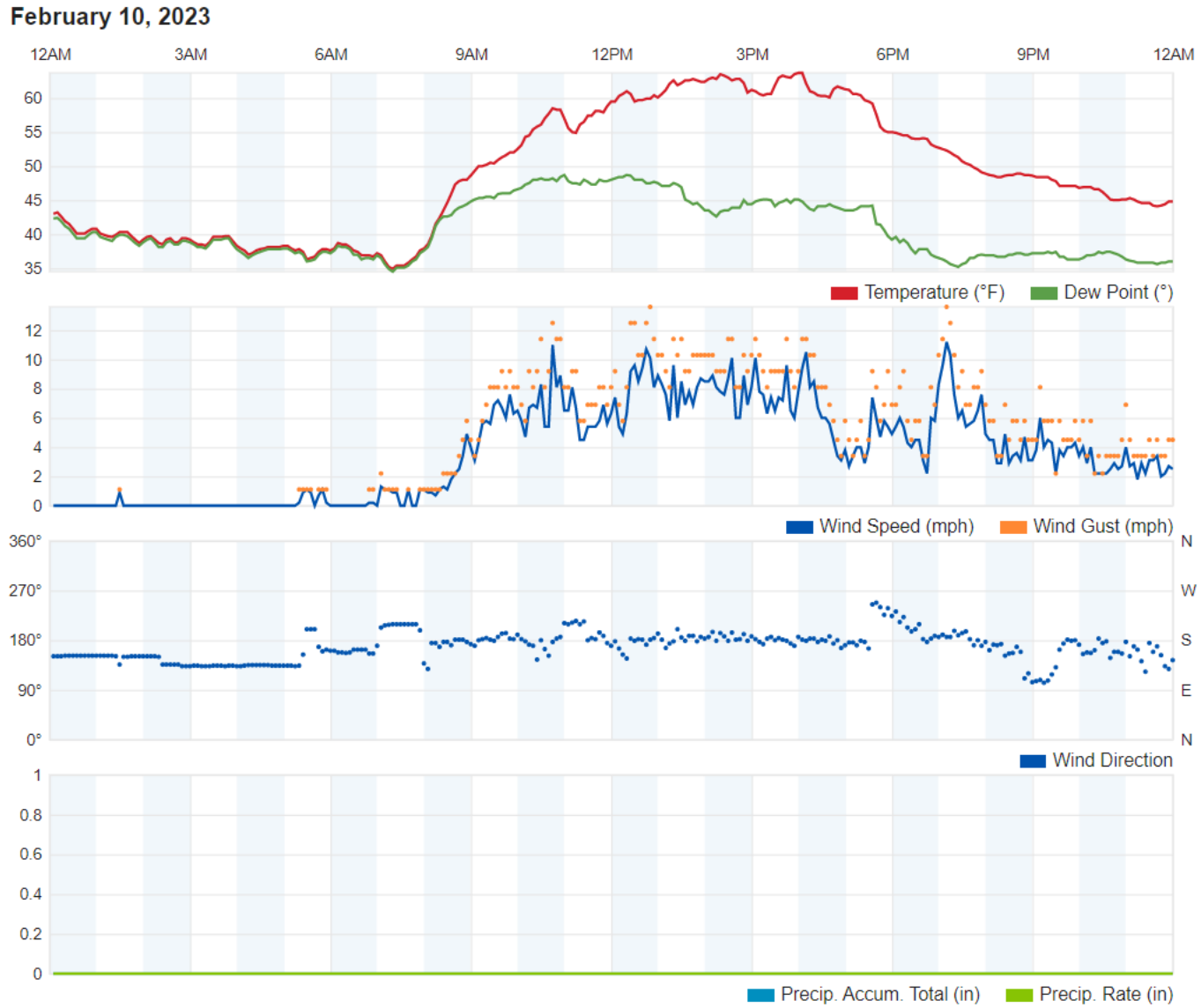
February 2, 2023
Emissions Monitoring Weather Data
Potrero Hills Landfill, Suisun City, California



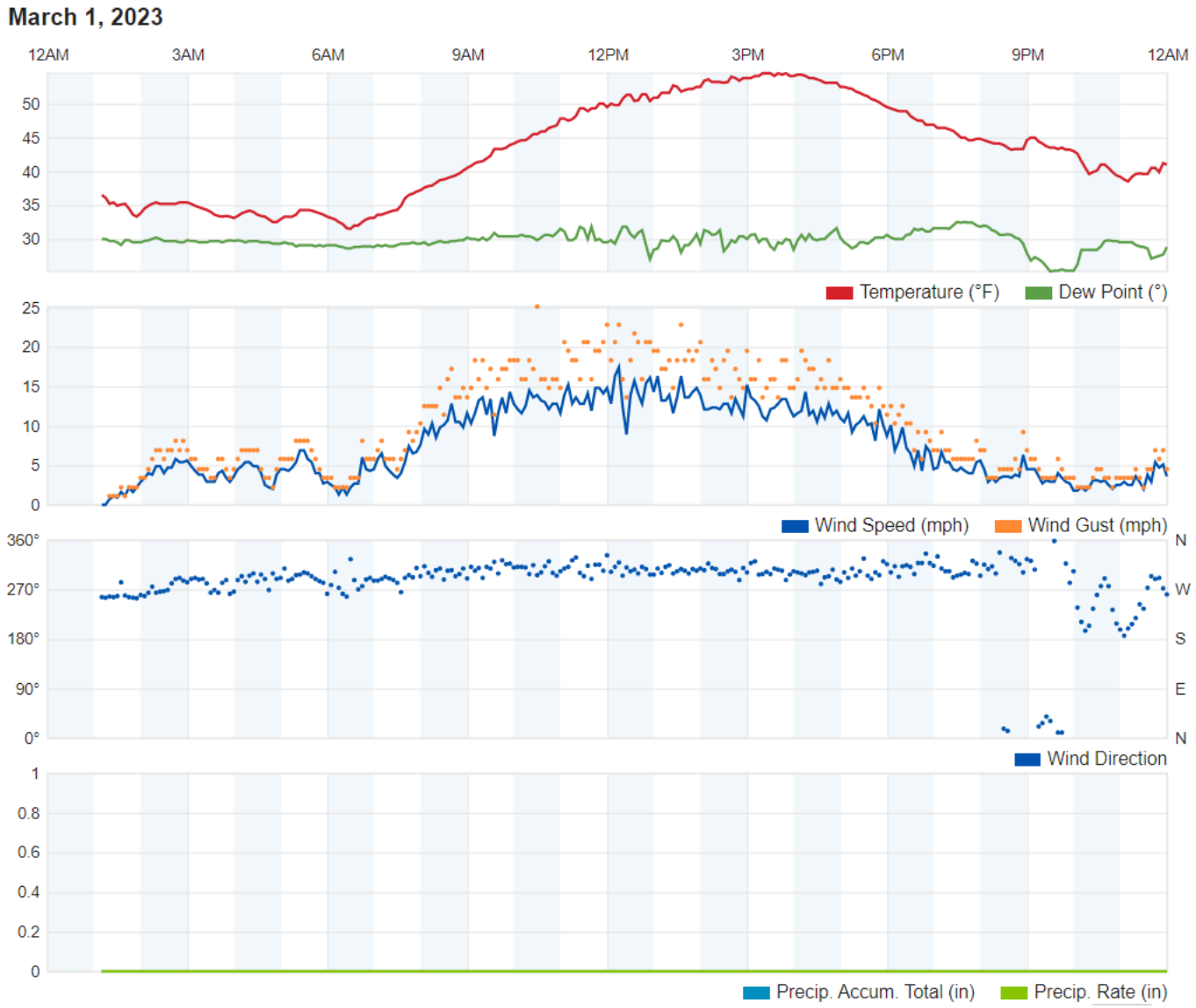
February 6, 2023
Emissions Monitoring Weather Data
Potrero Hills Landfill, Suisun City, California



February 7, 2023
Emissions Monitoring Weather Data
Potrero Hills Landfill, Suisun City, California



February 10, 2023
Emissions Monitoring Weather Data
Potrero Hills Landfill, Suisun City, California



March 1, 2023
Emissions Monitoring Weather Data
Potrero Hills Landfill, Suisun City, California

June 27, 2023
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 Second Quarter 2023 April Bi-monthly.

Dear Mr. Jappert:

SCS Field Services (SCS-FS) is pleased to provide Waste Connections (WCI), with the enclosed report summarizing the April 2023 bi-monthly surface emissions monitoring services provided at the Potrero Hills Landfill (Site) during the second quarter 2023. 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
Curt Fujii – Waste Connections
Mike Calmes – Waste Connections
Gabrielle Stephens – SCS Engineers
Hannah Morse - SCS Engineers

Potrero Hills Landfill

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

Second Quarter 2023 (April 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| June 27, 2023

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

Potrero Hills Landfill

Landfill Methane Rule and New Source Performance Standards Surface Emissions Monitoring Second Quarter 2023 – April Bi-Monthly Testing

INTRODUCTION

This letter provides results of the second quarter bi-monthly April 20, 21 and 28, 2023, 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 second quarter 2023 bi-monthly (April 2023) 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 no instantaneous exceedance of the NSPS and LMR threshold limit of 500 ppmv measured as methane above background. These results are discussed in a subsequent section of this report.

Additionally, during the second quarter 2023, 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 or health and safety concerns due to steep slopes/excessive vegetation. (Note however that all penetrations in these areas were tested as required but no pathway testing could be performed and most areas will be tested during the June event once the vegetation is removed.) 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 April 20, 2023. The results indicated no exceedance of the NSPS and LMR instantaneous level of 500 ppmv at the A2 flare occurred. These results are discussed in a subsequent section of this report.

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, twelve (12) locations were observed to be between the 200-499 ppmv, reporting threshold (see Attachment 2). When/If these readings are observed, the locations (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 and are shown on Table 1 for reference.

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 April 20, 21 and 28, 2023 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 second quarter 2023 bi-monthly (April 2023) SEM testing results indicated that one (1) area exceeded the 25 ppmv integrated LMR threshold, and no locations exceeded the instantaneous LMR and NSPS threshold of 500 ppmv. The required 10-day (LMR) follow-up monitoring performed on April 28, 2023, indicated that the area had returned to compliance following system adjustments and remediation by SCS and site personnel. Results of the monitoring, including the 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 second quarter 2023, several grids were not monitored as these areas were deemed unsafe by WCI personnel for entry due to active filling operations or steep slopes, excessive vegetation due to recent rains 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. Please note the most of these areas will be tested during our June monitoring event.

PRESSURIZED PIPE AND COMPONENT LEAK MONITORING

On April 20, 2023, 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 location was observed to exceed the 500 ppmv threshold during our monitoring event at the flare station. The maximum reading, which was 1.70 ppmv (see Table 1 for component results). Note that SCS prepares and submits a separate report for the Power Generation Facility operated by DTE.

PROJECT SCHEDULE

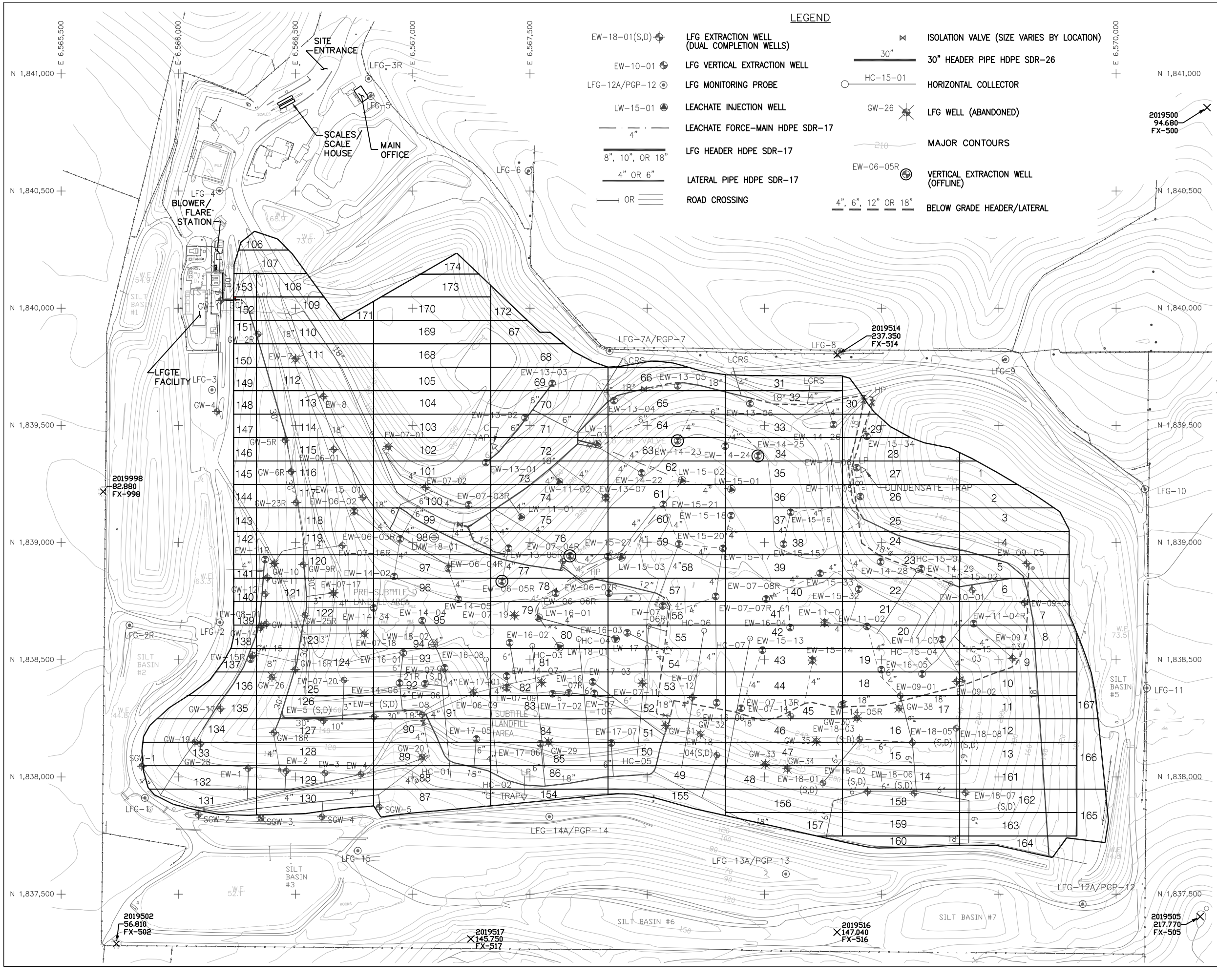
In accordance with our approved Work Scope and the BAAQMD compliance agreement, SCS is scheduled to perform the next NSPS and LMR bi-monthly testing during the month of June 2023, in all areas deemed safe for entry.

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



100 0 100 200 300

SCALE 1"=200'

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

POTRERO HILLS LANDFILL

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 | APP. BY: WLM | ACAD FILE: FIG 1.EECS.90619

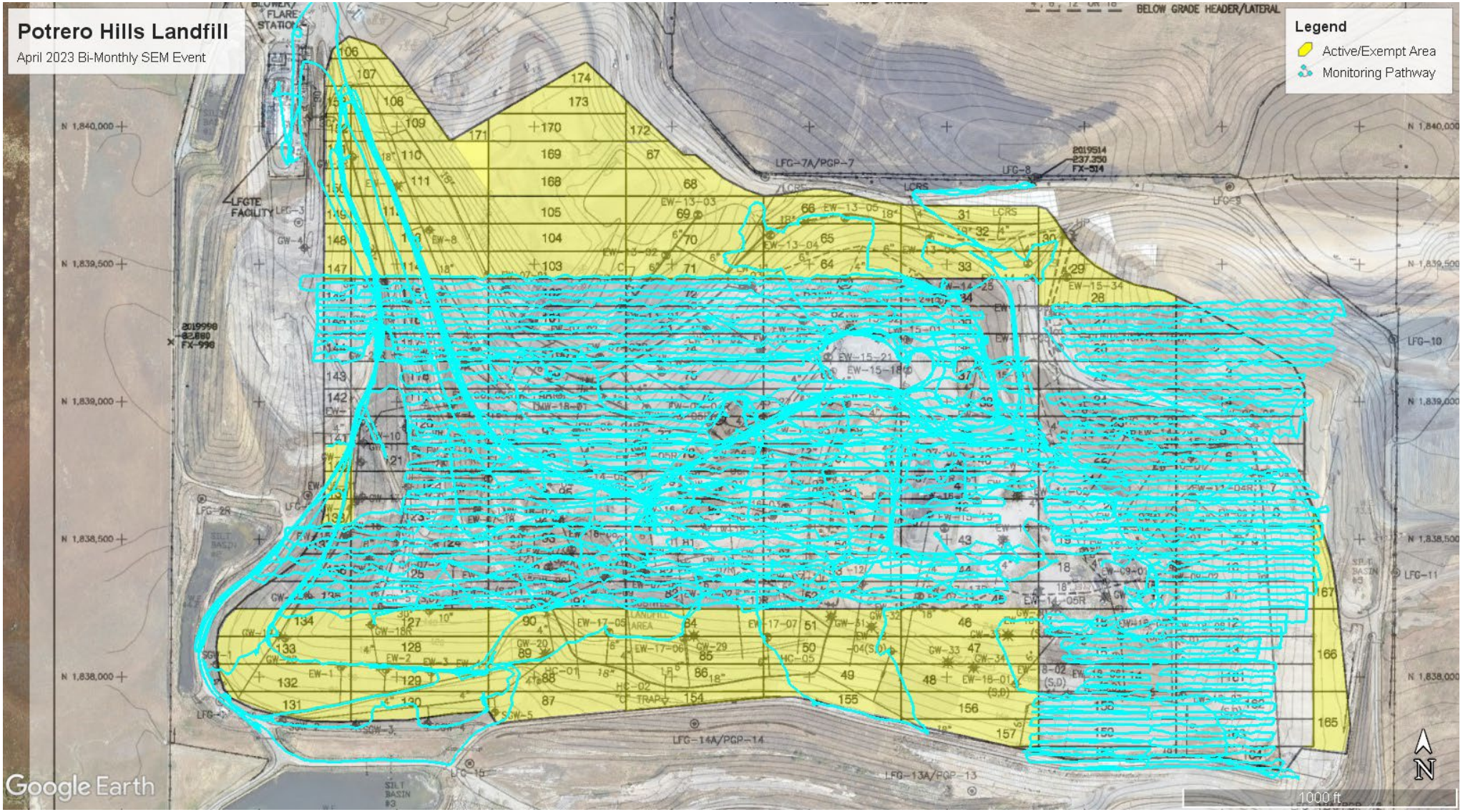
DATE: 05-21-19

SCALE: AS SHOWN

FIGURE: 1

Attachment 2

Surface Pathway



Second Quarter 2023 April Bi-Monthly
LMR Surface Emissions Monitoring Pathway
Potrero Hills Landfill, Suisun City, California

Attachment 3

Instantaneous and Component Emissions Monitoring Results

Second Quarter 2023 – April Bi-Monthly

Table 1. Instantaneous Surface and Component Emissions Monitoring Results

Potrero Hills Landfill, Suisun City, California

Instantaneous Data Report for readings between 200-499 ppm April 20 and 21, 2023

Location	Initial Concentration (ppmv) 4/20/2023	Latitude	Longitude
GW06R	471	38.2127512	-121.9833088
HIGH SURF READ GRID 115 AG	457	38.2130040	-121.9823900
HIGH SURF READ GRID 101 AG	301	38.2127380	-121.9819200
EW1104R	289	38.2107597	-121.9730525
PHL2124D	286	38.2103683	-121.9804982
HI SURF READ G93 EP	286	38.2105380	-121.9808970
PHHZ1901	280	38.2133998	-121.9828877
EW1532	242	38.2115505	-121.9753617
PHHZ2001	224	38.2134060	-121.9828585
EW0720	224	38.2103037	-121.9825953
EW1425	213	38.2130232	-121.9763653
EW1902	212	38.2123567	-121.9778540

Second Quarter 2023 – April Bi-Monthly

Table 1. Instantaneous Surface and Component Emissions Monitoring Results

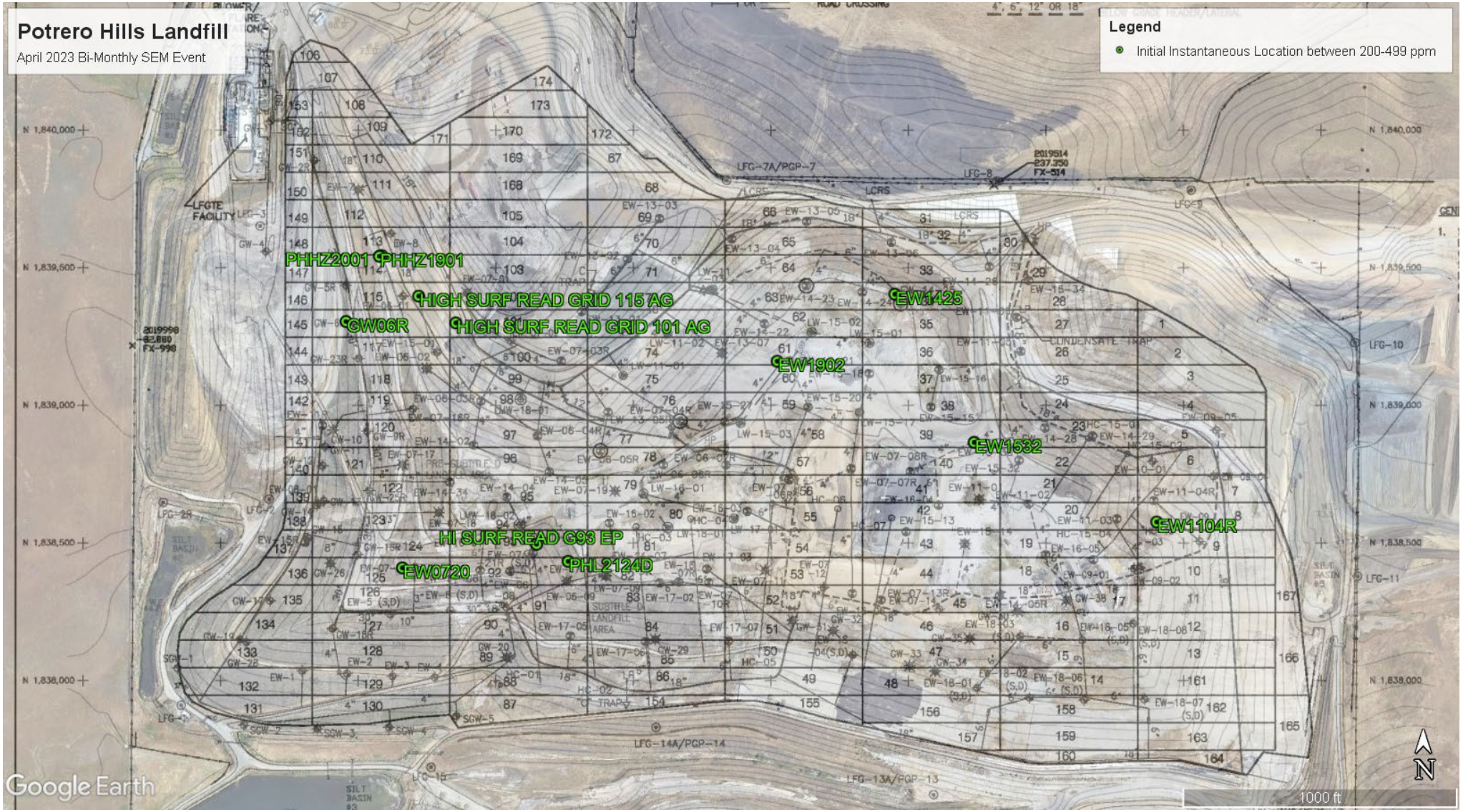
Potrero Hills Landfill, Suisun City, California

Instantaneous Data Report for April 20 and 21, 2023

Pressurized Pipe Results

Route	Initial Concentration (ppmv) 4/20/2023	Latitude	Longitude
LFG BFS	1.70	38.21557	-121.98418

No exceedances of the 500 ppm threshold were observed during the second quarter 2023 April bi-monthly monitoring event.



Second Quarter 2023 April Bi-Monthly
Instantaneous Locations between 200 and 499 ppmv
Potrero Hills Landfill, Suisun City, California

Attachment 4

Integrated Monitoring Results

Second Quarter 2023 April 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	4/21/2023	14.10	
PLF-2	4/21/2023	14.87	
PLF-3	4/21/2023	10.59	
PLF-4	4/21/2023	8.94	
PLF-5	4/21/2023	7.74	
PLF-6	4/21/2023	9.51	
PLF-7	4/21/2023	6.44	
PLF-8	4/21/2023	5.55	
PLF-9	4/21/2023	2.91	
PLF-10	4/21/2023	3.96	
PLF-11	4/21/2023	2.61	
PLF-12	4/21/2023	2.85	
PLF-13	4/21/2023	2.63	
PLF-14	4/21/2023	2.97	
PLF-15	4/21/2023	6.60	
PLF-16	4/21/2023	4.12	
PLF-17	4/21/2023	2.91	
PLF-18	4/21/2023	2.09	
PLF-19	4/21/2023	1.66	
PLF-20	4/21/2023	1.04	
PLF-21	4/21/2023	1.56	
PLF-22	4/21/2023	1.83	
PLF-23	4/21/2023	6.31	
PLF-24	4/21/2023	5.44	
PLF-25	4/21/2023	4.65	
PLF-26	4/21/2023	5.23	
PLF-27	4/21/2023	5.29	
PLF-28	--	--	Exempt
PLF-29	--	--	Exempt
PLF-30	--	--	Exempt
PLF-31	--	--	Exempt
PLF-32	--	--	Exempt
PLF-33	--	--	Exempt
PLF-34	4/20/2023	0.90	
PLF-35	4/20/2023	1.20	
PLF-36	4/20/2023	1.66	
PLF-37	4/20/2023	1.86	
PLF-38	4/20/2023	2.25	
PLF-39	4/20/2023	0.99	
PLF-40	4/20/2023	2.17	
PLF-41	4/20/2023	2.32	
PLF-42	4/20/2023	1.36	
PLF-43	--	--	Exempt

Second Quarter 2023 April 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	4/20/2023	1.28	
PLF-45	4/20/2023	1.94	
PLF-46	--	--	Vegetation
PLF-47	--	--	Vegetation
PLF-48	--	--	Vegetation
PLF-49	--	--	Vegetation
PLF-50	--	--	Vegetation
PLF-51	--	--	Vegetation
PLF-52	4/20/2023	2.79	
PLF-53	4/20/2023	1.90	
PLF-54	4/20/2023	1.05	
PLF-55	4/20/2023	1.40	
PLF-56	4/20/2023	2.36	
PLF-57	4/20/2023	1.91	
PLF-58	4/20/2023	0.71	
PLF-59	4/20/2023	2.63	
PLF-60	4/20/2023	1.72	
PLF-61	4/20/2023	1.64	
PLF-62	4/20/2023	1.21	
PLF-63	4/20/2023	0.63	
PLF-64	--	--	Exempt
PLF-65	--	--	Exempt
PLF-66	--	--	Exempt
PLF-67	--	--	Exempt
PLF-68	--	--	Exempt
PLF-69	--	--	Exempt
PLF-70	--	--	Exempt
PLF-71	--	--	Exempt
PLF-72	4/20/2023	4.99	
PLF-73	4/20/2023	5.27	
PLF-74	4/20/2023	4.14	
PLF-75	4/20/2023	4.78	
PLF-76	4/20/2023	2.08	
PLF-77	4/20/2023	1.38	
PLF-78	4/20/2023	2.74	
PLF-79	4/20/2023	2.04	
PLF-80	4/20/2023	1.81	
PLF-81	4/20/2023	3.26	
PLF-82	4/20/2023	4.29	
PLF-83	4/20/2023	4.37	
PLF-84	--	--	Vegetation
PLF-85	--	--	Vegetation
PLF-86	--	--	Vegetation

Second Quarter 2023 April 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	--	--	Vegetation
PLF-88	--	--	Vegetation
PLF-89	--	--	Vegetation
PLF-90	--	--	Vegetation
PLF-91	4/20/2023	5.67	
PLF-92	4/20/2023	5.18	
PLF-93	4/20/2023	5.89	
PLF-94	4/20/2023	2.91	
PLF-95	4/20/2023	2.21	
PLF-96	4/20/2023	2.34	
PLF-97	4/20/2023	1.07	
PLF-98	4/20/2023	1.89	
PLF-99	4/20/2023	2.11	
PLF-100	4/20/2023	7.50	
PLF-101	4/20/2023	28.55	
PLF-102	4/20/2023	17.83	
PLF-103	--	--	Exempt
PLF-104	--	--	Exempt
PLF-105	--	--	Exempt
PLF-106	--	--	Exempt
PLF-107	--	--	Exempt
PLF-108	--	--	Exempt
PLF-109	--	--	Exempt
PLF-110	--	--	Exempt
PLF-111	--	--	Exempt
PLF-112	--	--	Exempt
PLF-113	--	--	Exempt
PLF-114	--	--	Exempt
PLF-115	4/20/2023	36.57	Initial Monitoring
PLF-115	4/28/2023	10.31	First 10-Day Recheck
PLF-116	4/20/2023	6.42	
PLF-117	4/20/2023	5.27	
PLF-118	4/20/2023	4.04	
PLF-119	4/20/2023	2.78	
PLF-120	4/20/2023	3.29	
PLF-121	4/20/2023	3.70	
PLF-122	4/20/2023	3.68	
PLF-123	4/20/2023	1.98	
PLF-124	4/20/2023	2.27	
PLF-125	4/20/2023	2.22	
PLF-126	4/20/2023	2.24	
PLF-127	--	--	Vegetation
PLF-128	--	--	Vegetation

Second Quarter 2023 April Bi-Monthly
Table 2. Integrated Surface Emissions Monitoring Results
Potrero Hills Landfill, Suisun City, California

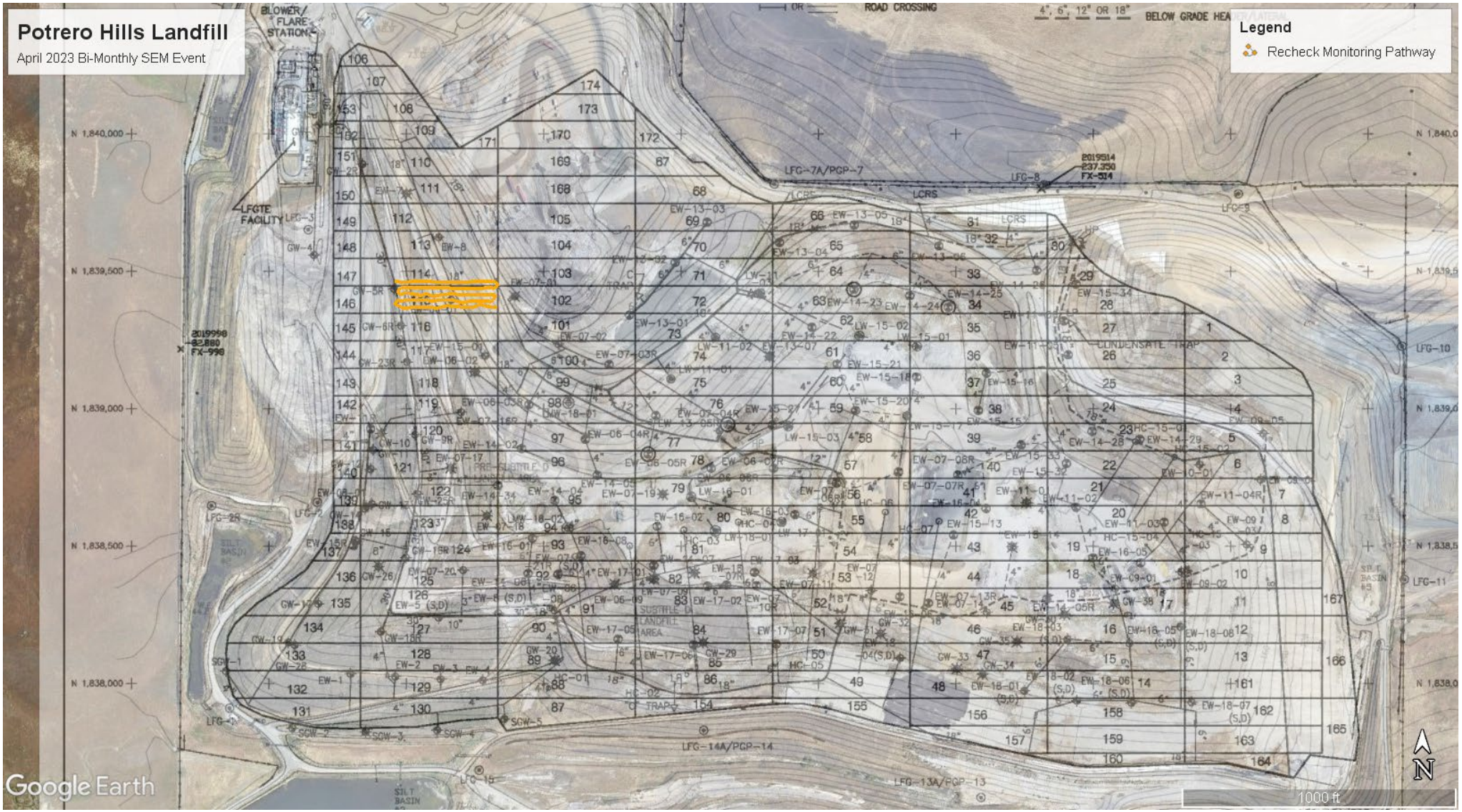
Point Name	Record Date	FID Concentration (ppm)	Comments
PLF-129	--	--	Vegetation
PLF-130	--	--	Vegetation
PLF-131	--	--	Vegetation
PLF-132	--	--	Vegetation
PLF-133	--	--	Vegetation
PLF-134	--	--	Vegetation
PLF-135	4/20/2023	1.81	
PLF-136	4/20/2023	1.16	
PLF-137	4/20/2023	1.05	
PLF-138	--	--	Exempt
PLF-139	--	--	Exempt
PLF-140	--	--	Exempt
PLF-141	4/20/2023	1.03	
PLF-142	--	--	Exempt
PLF-143	--	--	Exempt
PLF-144	4/20/2023	1.58	
PLF-145	4/20/2023	2.35	
PLF-146	4/20/2023	0.62	
PLF-147	--	--	Exempt
PLF-148	--	--	Exempt
PLF-149	--	--	Exempt
PLF-150	--	--	Exempt
PLF-151	--	--	Exempt
PLF-152	--	--	Exempt
PLF-153	--	--	Exempt
PLF-154	--	--	Exempt
PLF-155	--	--	Exempt
PLF-156	--	--	Exempt
PLF-157	--	--	Exempt
PLF-158	4/21/2023	1.93	
PLF-159	4/21/2023	2.15	
PLF-160	4/21/2023	3.04	
PLF-161	4/21/2023	4.63	
PLF-162	4/21/2023	8.69	
PLF-163	4/21/2023	5.10	
PLF-164	4/21/2023	4.92	
PLF-165	--	--	Exempt
PLF-166	--	--	Exempt
PLF-167	--	--	Exempt
PLF-168	--	--	Exempt
PLF-169	--	--	Exempt
PLF-170	--	--	Exempt
PLF-171	--	--	Exempt

Second Quarter 2023 April 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	--	--	Exempt
PLF-173	--	--	Exempt
PLF-174	--	--	Exempt



Second Quarter 2023 April Bi-Monthly
LMR Surface Emissions Recheck Monitoring Pathway
Potrero Hills Landfill, Suisun City, California

Attachment 5

Calibration Logs

SURFACE EMISSIONS MONITORING
CALIBRATION AND PERTINENT DATA

Date: 4-28-23 Site Name: Potrero

Inspector(s): Don Gibson Instrument: TVA 2020

WEATHER OBSERVATIONS

Wind Speed: 7 MPH Wind Direction: WSW Barometric Pressure: 29 "Hg

Air Temperature: 55 °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: 5419 Cal Gas Concentration: 500ppm

Trial	Zero Air Reading	Cal Gas Reading	|Cal Gas Conc.-Cal Gas Reading|	Response Time (seconds)
1	-0.1	502	2	5
2	-0.1	499	1	5
3	0	499	1	5

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= 165720
Counters Observed for the Zero= 4833

Trial 2:
Counts Observed for the Span= 167284
Counters Observed for the Zero= 4804

Trial 3:
Counts Observed for the Span= 164256
Counters Observed for the Zero= 4820

Post Monitoring Calibration Check

Zero Air Reading: -0.1 ppm Cal Gas Reading: 502 ppm

BACKGROUND CONCENTRATIONS CHECKS

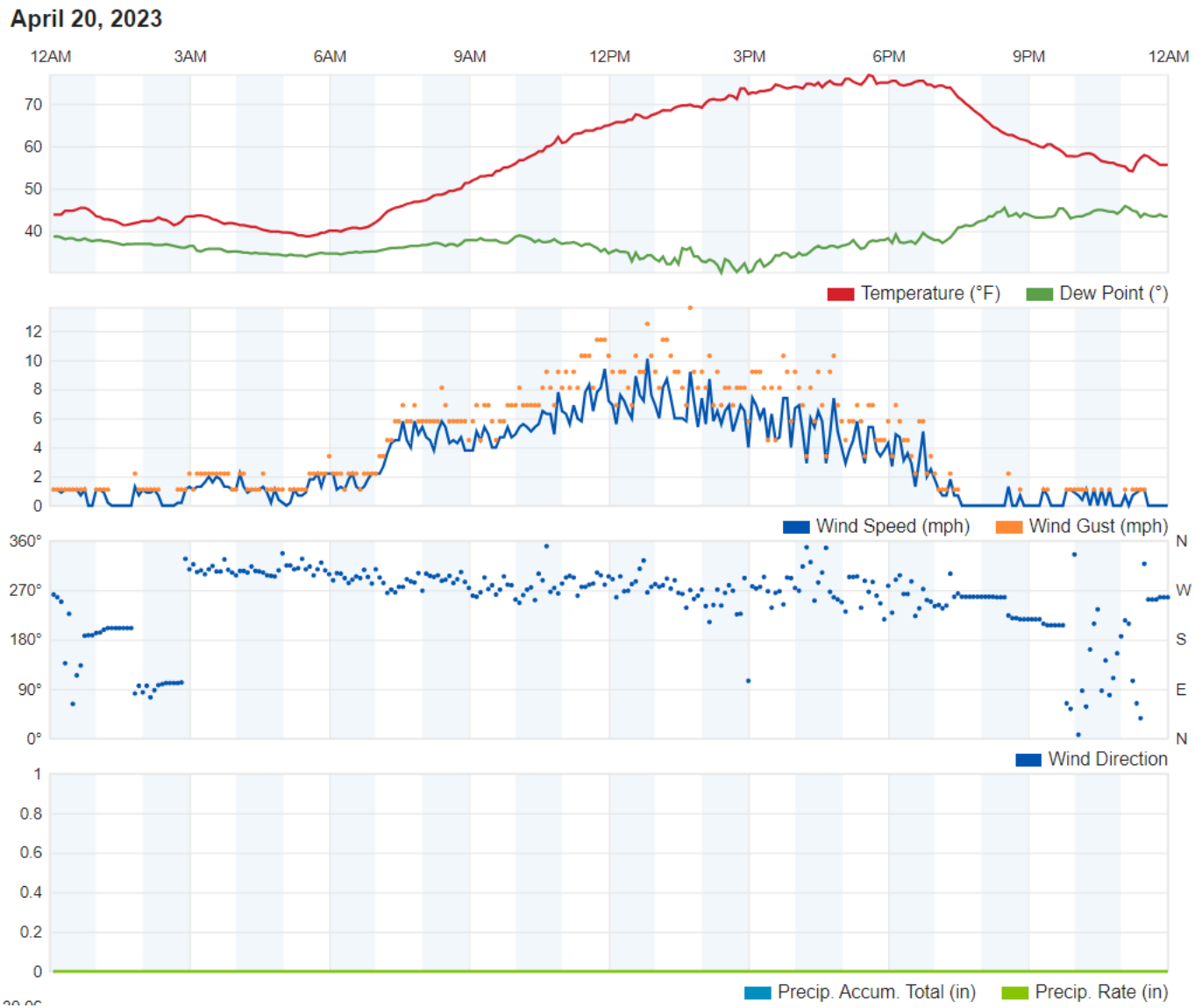
Upwind Location Description: Flare Reading: 7.3 ppm

Downwind Location Description: G79 Reading: 4.2 ppm

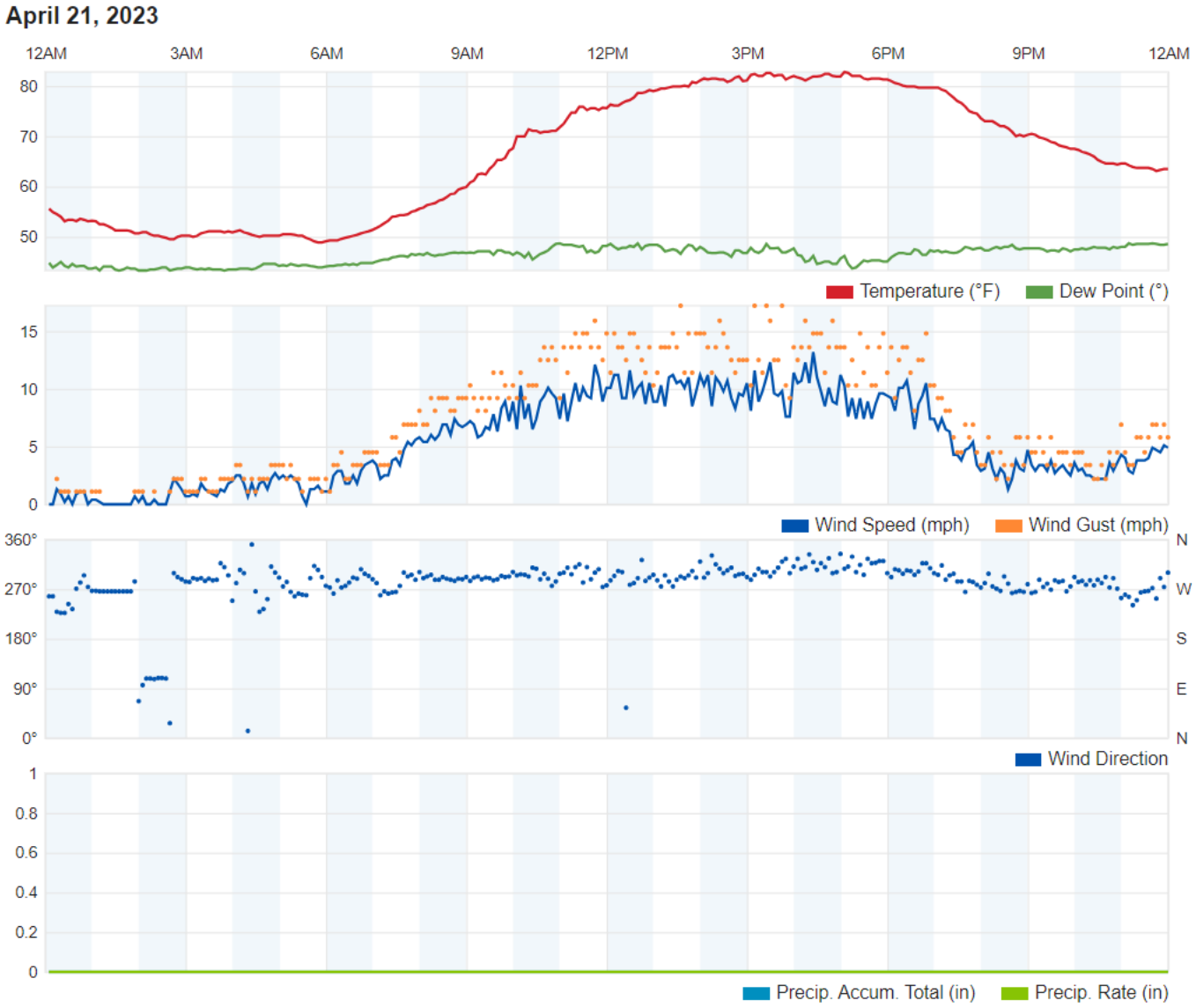
Notes: Wind speed averages were observed to remain below the alternative requested 10 miles per hour and no instantaneous speeds exceeded 20 miles per hour. No rainfall had occurred within the previous 24 hours of the monitoring event. Therefore, site meteorological conditions were within the requested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

Attachment 6

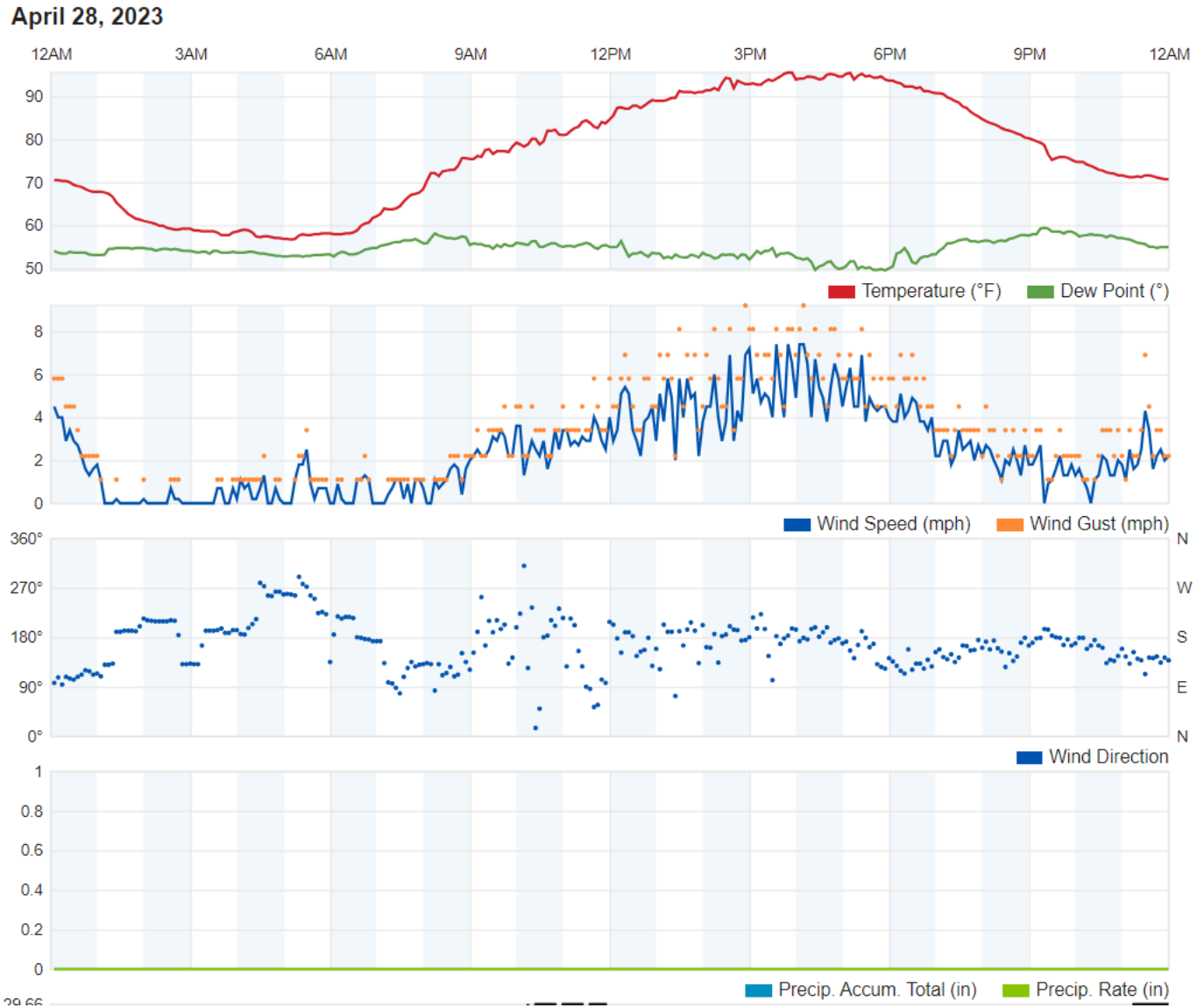
Weather Data



April 20, 2023
Emissions Monitoring Weather Data
Potrero Hills Landfill, Suisun City, California



April 21, 2023
Emissions Monitoring Weather Data
Potrero Hills Landfill, Suisun City, California



April 28, 2023
Emissions Monitoring Weather Data
Potrero Hills Landfill, Suisun City, California

August 1, 2023
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 Second Quarter 2023 June Bi-monthly.

Dear Mr. Jappert:

SCS Field Services (SCS-FS) is pleased to provide Waste Connections (WCI), with the enclosed report summarizing the June 2023 bi-monthly surface emissions monitoring services provided at the Potrero Hills Landfill (Site) during the second quarter 2023. 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
Curt Fujii – Waste Connections
Mike Calmes – SCS Field Services
Gabrielle Stephens – SCS Engineers
Hannah Morse - SCS Engineers

Potrero Hills Landfill

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

Second Quarter 2023 (June 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| August 1, 2023

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

Potrero Hills Landfill

Landfill Methane Rule and New Source Performance Standards Surface Emissions Monitoring Second Quarter 2023 – June Bi-Monthly Testing

INTRODUCTION

This letter provides results of the second quarter bi-monthly June 14, 15, 16 and 27 and July 3, 7, 17 and 27, 2023, 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 second quarter 2023 bi-monthly (June 2023) initial monitoring indicated fifteen (15) integrated exceedance of the LMR threshold limit of 25 parts per million by volume (ppmv) measured as methane above background and seven (7) instantaneous exceedance of the NSPS and LMR threshold limit of 500 ppmv measured as methane above background. These results are discussed in a subsequent section of this report.

Additionally, during the second quarter 2023, 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 or health and safety concerns due to steep slopes/excessive vegetation. (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 June 27, 2023. The results indicated one (1) exceedance of the NSPS and LMR instantaneous level of 500 ppmv at the A2 flare occurred. These results are discussed in a subsequent section of this report.

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, eleven (11) locations were observed to be between the 200-499 ppmv, reporting threshold (see Attachment 2). When/If these readings are observed, the locations (GPS coordinates) are reported to site personnel and are shown on an attached figure for tracking and/or remediation and will also be reported in the next submittal of the annual LMR report and are shown on Table 1 for reference.

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 June 14, 15, 16 and 27 and July 3, 7, 17, and 27, 2023 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 second quarter 2023 bi-monthly (June 2023) SEM testing results indicated that fifteen (15) areas exceeded the 25 ppmv integrated LMR threshold, and seven (7) locations exceeded the instantaneous LMR and NSPS threshold of 500 ppmv. The required first and second 10-day (LMR/NSPS) and the 30-day (NSPS) follow-up monitoring performed on July 7, 17 and 27, 2023, indicated that five grid areas had failed to returned to compliance following surface cover remediation by site personnel. In accordance with LMR and NSPS requirements for expansion and remediation, the exceedance locations need to be remediated and returned to compliance in accordance with the rule (expansion of the collection system or an alternative compliance option if approved by the BAAQMD) within 120 days of the third observed integrated exceedance, which will be due by November 4, 2023. Results of the monitoring, including the 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 second quarter 2023, several grids were not monitored as these areas were deemed unsafe by WCI personnel for entry due to active filling operations or steep slopes, excessive vegetation due to recent rains 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 June 27, 2023, 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. One (1) location was observed to exceed the 500 ppmv threshold during our monitoring event at the flare station. The required 7-Day (8-34) and first 10-day (LMR) follow-up monitoring performed on July 3 and 7, 2023, indicated that the area had not returned to compliance following system repairs by site personnel (see Table 1 for component results). Note that on July 2 and 6, 2023, repairs were attempted by site personnel which were unsuccessful. Upon the completion of testing on July 7, 2023 the flare was shut down until replacement parts can be procured and installed. Note that SCS prepares and submits a separate report for the Power Generation Facility operated by DTE, which indicated compliance with the rule.

PROJECT SCHEDULE

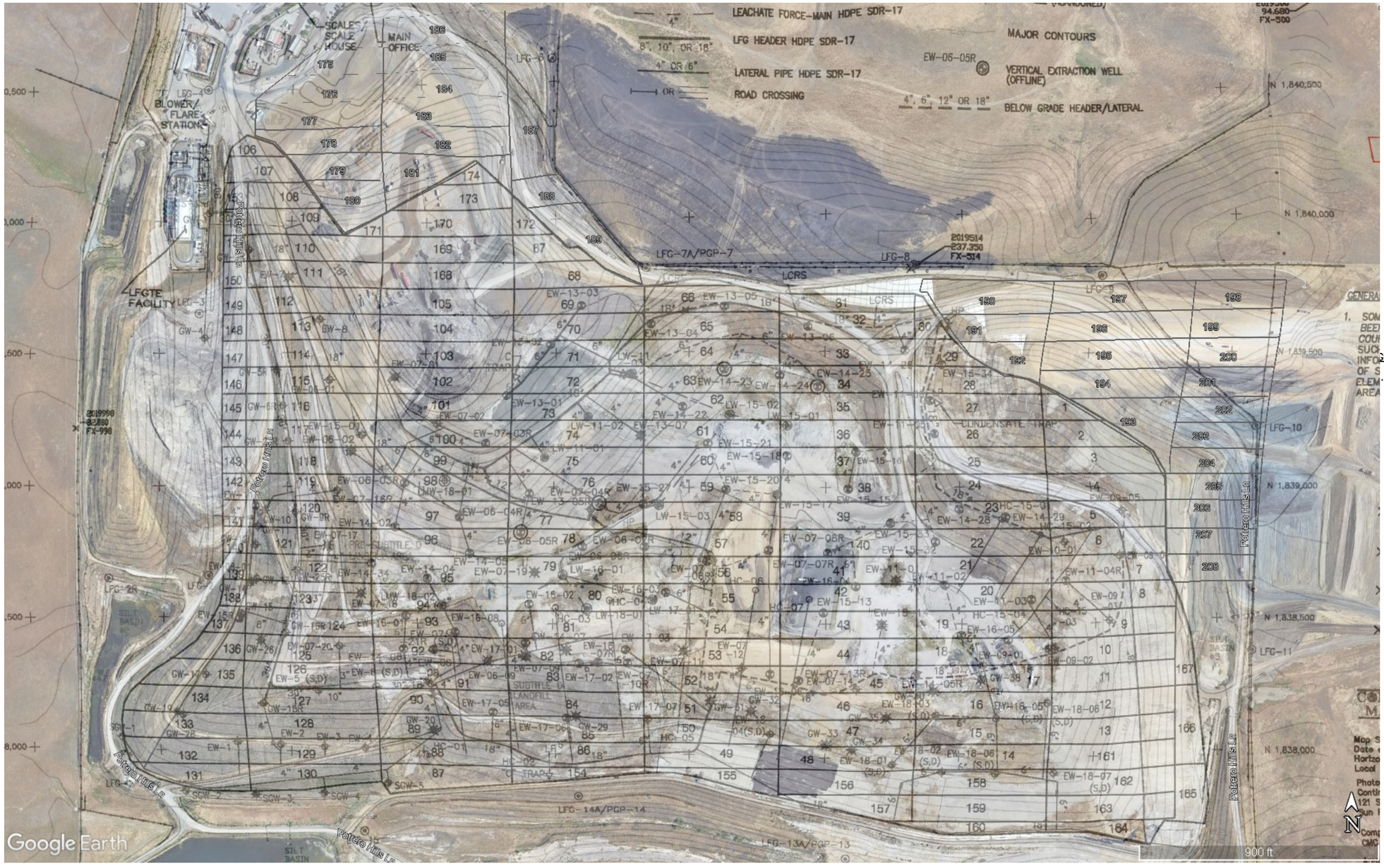
In accordance with our approved Work Scope and the BAAQMD compliance agreement, SCS is scheduled to perform the next NSPS and LMR bi-monthly testing during the month of August 2023, in all areas deemed safe for entry.

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



GENERAL LFG SYSTEM PLAN NOTES:

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: M.JE DWN. BY: M.JE CHK. BY: M.JE
ACAD FILE: FIG 1 FECCS.90619 APP. BY: W.L.M

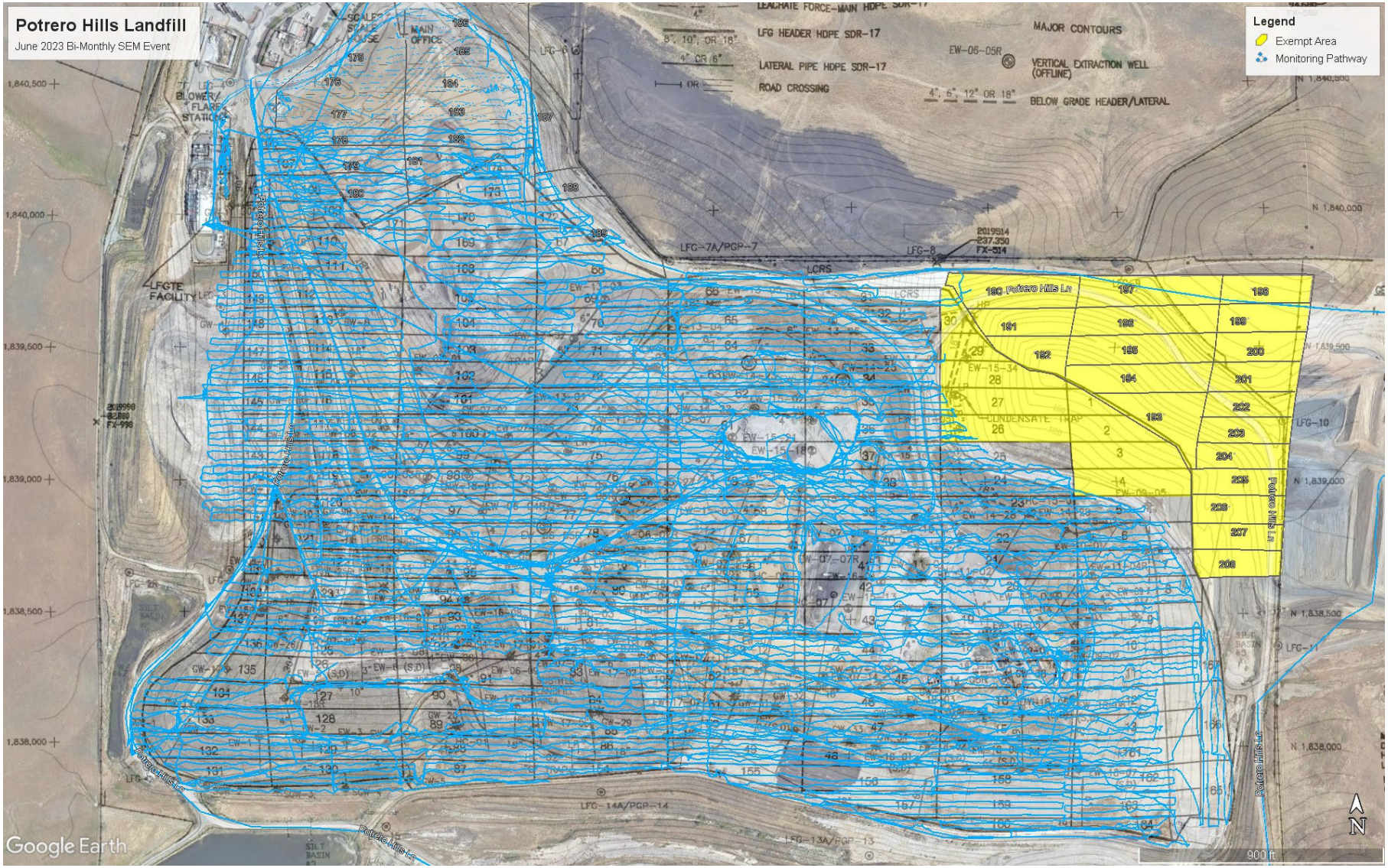
DATE: 05-21-19

SCALE: AS SHOWN

FIGURE: 1

Attachment 2

Surface Pathway



Second Quarter 2023 June Bi-Monthly
LMR Surface Emissions Monitoring Pathway
Potrero Hills Landfill, Suisun City, California

Attachment 3

Instantaneous and Component Emissions Monitoring Results

Second Quarter 2023 – June Bi-Monthly

Table 1. Instantaneous Surface and Component Emissions Monitoring Results

Potrero Hills Landfill, Suisun City, California

Instantaneous Data Report for Readings Greater Than 200 ppm
June 14, 15, 16 and 27, 2023 and July 3, 7, 17 and 27, 2023

Location	Initial Concentration (ppmv) June 27, 2023	First 10-day Recheck Concentration (ppmv) July 7, 2023	Second 10-day Recheck Concentration (ppmv) July 17, 2023	30-day Recheck Concentration (ppmv) July 27, 2023	Latitude	Longitude
HSR GRID174 RY1	516	--	560	329	38.21500403	-121.980636
HIGH SURF READ G176 AG	659	--	659	124	38.21607096	-121.982954
HIGH SURF READ G184 AG	623	--	196	--	38.21600097	-121.980595
REBAR G184 AG	810	--	1000	50.8	38.21588698	-121.980794
REBAR G184 AG1	790	--	2000	70.2	38.215876	-121.980851
WOOD POST G186 AG	1600	--	6000	124	38.21650699	-121.981366
WOODEN STICK	516	--	2000	164	38.21511601	-121.980895
Readings Between 200 and 499 ppmv						
HIGH SURF READ 181 AG	354	--	--	--	38.21517996	-121.980826
HIGH SURF READ G175 AG	271	--	--	--	38.21609803	-121.982765

Second Quarter 2023 – June Bi-Monthly

Table 1. Instantaneous Surface and Component Emissions Monitoring Results

Potrero Hills Landfill, Suisun City, California

Location	Initial Concentration (ppmv) June 27, 2023	First 10-day Recheck Concentration (ppmv) July 7, 2023	Second 10-day Recheck Concentration (ppmv) July 17, 2023	30-day Recheck Concentration (ppmv) July 27, 2023	Latitude	Longitude
HIGH SURF READ G176 AG1	200	--	--	--	38.21592403	-121.982465
HIGH SURF READ G182 AG	261	--	--	--	38.21550703	-121.981147
HIGH SURF READ G182 AG1	470	--	--	--	38.21531902	-121.981103
HIGH SURF READ G183 AG	226	--	--	--	38.21573803	-121.98124
HIGH SURF READ G183 AG1	230	--	--	--	38.21575002	-121.981162
WOOD POST 2 G185 AG	399	--	--	--	38.21628001	-121.981143
HSR GRID170 RY	261	--	--	--	38.21474402	-121.980831
HSR GRID174 RY	263	--	--	--	38.21515096	-121.980764
HSR GRID 104 RY	215	--	--	--	38.21364298	-121.981035

Second Quarter 2023 – June Bi-Monthly

Table 1. Instantaneous Surface and Component Emissions Monitoring Results

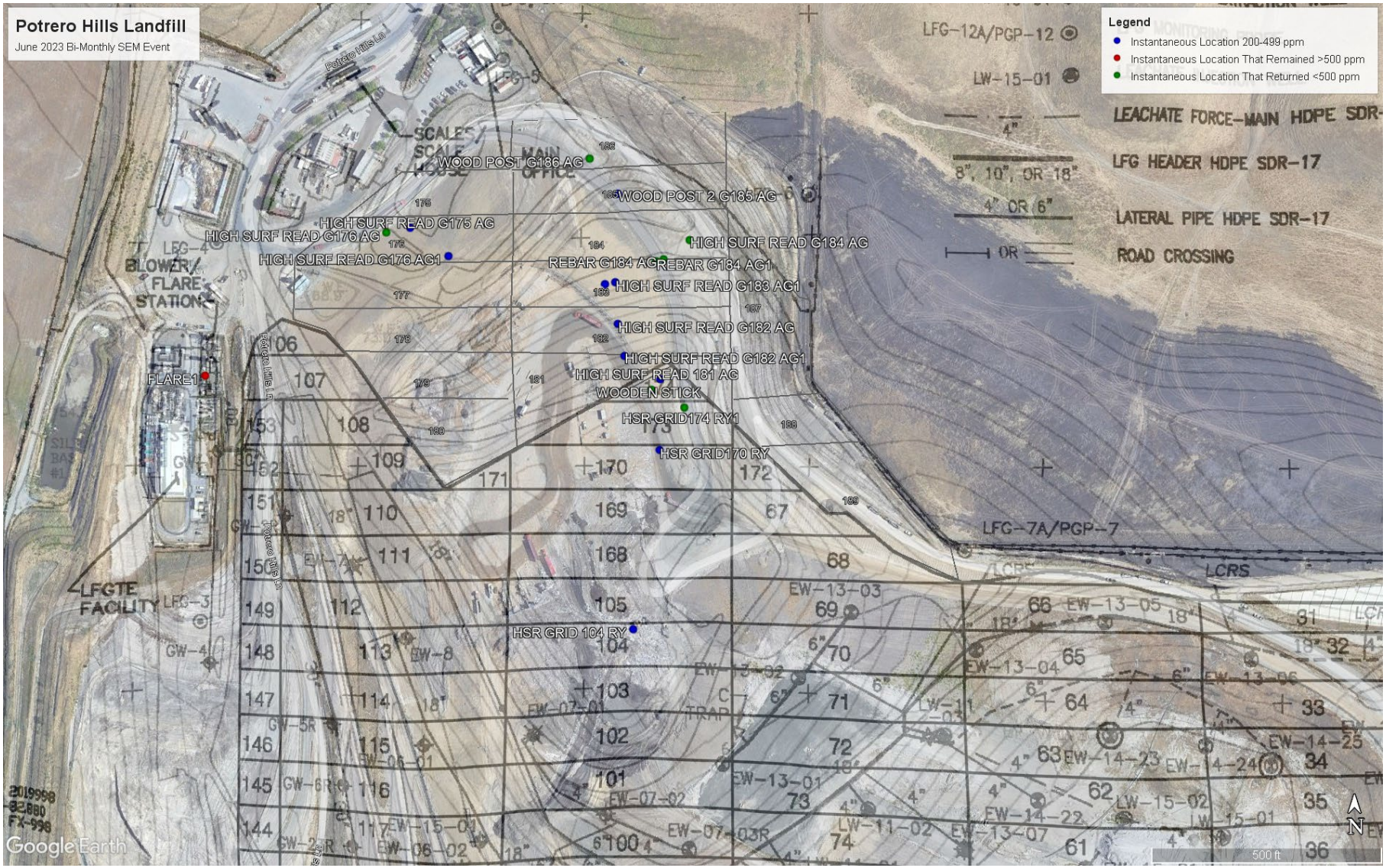
Potrero Hills Landfill, Suisun City, California

Instantaneous Data Report for June 27 and July 3 and 7, 2023

Pressurized Pipe Results

Route	Initial Concentration (ppmv) June 27, 2023	7-day Recheck Concentration (ppmv) July 3, 2023	Second 10-day Recheck Concentration (ppmv) July 7, 2023	30-day Recheck Concentration (ppmv) July 27, 2023	Latitude	Longitude
FLARE1	1,007	1,200	600 Flare was shut down and locked out pending repairs	Under repair	38.21519698	-121.984374

No other exceedances of the 500 ppm threshold were observed during the second quarter 2023 June bi-monthly monitoring event.



Second Quarter 2023 June Bi-Monthly
Instantaneous Locations Greater Than 200 and 500 ppmv
Potrero Hills Landfill, Suisun City, California

Attachment 4

Integrated Monitoring Results

Second Quarter 2023 June 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	6/14/2023	1.92	Active
PLF-2	--	--	Active
PLF-3	--	--	Active
PLF-4	--	--	Active
PLF-5	6/14/2023	16.65	
PLF-6	6/15/2023	14.85	
PLF-7	6/15/2023	4.07	
PLF-8	6/15/2023	2.81	
PLF-9	6/14/2023	1.98	
PLF-10	6/15/2023	1.68	
PLF-11	6/15/2023	1.92	
PLF-12	6/14/2023	2.19	
PLF-13	6/15/2023	1.60	
PLF-14	6/14/2023	1.69	
PLF-15	6/15/2023	1.55	
PLF-16	6/14/2023	2.73	
PLF-17	6/15/2023	0.98	
PLF-18	6/15/2023	0.86	
PLF-19	6/14/2023	1.72	
PLF-20	6/15/2023	1.12	
PLF-21	6/15/2023	1.44	
PLF-22	6/15/2023	1.83	
PLF-23	6/14/2023	3.42	
PLF-24	6/14/2023	2.98	
PLF-25	6/15/2023	9.88	
PLF-26	--	--	Active
PLF-27	--	--	Active
PLF-28	--	--	Active
PLF-29	--	--	Active
PLF-30	--	--	Active
PLF-31	6/15/2023	3.60	
PLF-32	6/15/2023	6.75	
PLF-33	6/15/2023	3.53	
PLF-34	6/15/2023	2.45	
PLF-35	6/14/2023	1.12	
PLF-36	6/14/2023	2.31	
PLF-37	6/15/2023	8.90	
PLF-38	6/14/2023	1.21	
PLF-39	6/14/2023	1.30	
PLF-40	6/15/2023	1.58	
PLF-41	6/15/2023	1.59	
PLF-42	6/15/2023	1.49	
PLF-43	6/14/2023	1.33	

Second Quarter 2023 June 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	6/15/2023	0.86	
PLF-45	6/15/2023	0.80	
PLF-46	6/14/2023	1.65	
PLF-47	6/15/2023	2.03	
PLF-48	6/14/2023	1.70	
PLF-49	6/14/2023	1.99	
PLF-50	6/15/2023	1.71	
PLF-51	6/14/2023	2.80	
PLF-52	6/15/2023	1.23	
PLF-53	6/15/2023	1.19	
PLF-54	6/14/2023	1.82	
PLF-55	6/14/2023	1.48	
PLF-56	6/14/2023	1.30	
PLF-57	6/15/2023	1.48	
PLF-58	6/14/2023	1.15	
PLF-59	6/14/2023	1.20	
PLF-60	6/15/2023	8.83	
PLF-61	6/14/2023	1.29	
PLF-62	6/14/2023	1.80	
PLF-63	6/15/2023	2.63	
PLF-64	6/14/2023	1.63	
PLF-64	6/15/2023	2.93	
PLF-65	6/15/2023	6.46	
PLF-66	6/15/2023	7.75	
PLF-67	6/27/2023	17.47	
PLF-68	6/27/2023	19.68	
PLF-69	6/15/2023	9.17	
PLF-70	6/15/2023	5.59	
PLF-71	6/15/2023	5.01	
PLF-72	6/15/2023	8.27	
PLF-73	6/14/2023	6.28	
PLF-74	6/14/2023	4.28	
PLF-75	6/15/2023	9.54	
PLF-76	6/14/2023	1.27	
PLF-77	6/14/2023	1.10	
PLF-78	6/15/2023	1.34	
PLF-79	6/14/2023	1.38	
PLF-80	6/14/2023	1.37	
PLF-80	6/14/2023	0.10	
PLF-81	6/14/2023	2.32	
PLF-82	6/14/2023	2.31	
PLF-82	6/15/2023	1.90	
PLF-83	6/15/2023	1.93	

Second Quarter 2023 June Bi-Monthly
Table 2. Integrated Surface Emissions Monitoring Results
Potrero Hills Landfill, Suisun City, California

Point Name	Record Date	FID Concentration (ppm)	Comments
PLF-84	6/14/2023	5.55	
PLF-85	--	--	
PLF-86	6/14/2023	3.43	
PLF-87	6/14/2023	1.73	
PLF-88	6/14/2023	2.28	
PLF-89	6/15/2023	2.91	
PLF-90	6/14/2023	5.68	
PLF-91	6/14/2023	5.22	
PLF-92	6/15/2023	2.51	
PLF-93	6/14/2023	2.15	
PLF-94	6/14/2023	1.35	
PLF-95	6/14/2023	1.65	
PLF-96	6/15/2023	1.50	
PLF-97	6/14/2023	1.14	
PLF-98	6/14/2023	1.19	
PLF-99	6/15/2023	8.99	
PLF-100	6/14/2023	3.48	
PLF-101	6/14/2023	7.55	
PLF-102	6/15/2023	17.88	
PLF-103	6/27/2023	12.94	
PLF-104	6/27/2023	20.09	
PLF-105	6/27/2023	38.54	Initial
PLF-105	7/7/2023	25.74	First 10-Day
PLF-105	7/17/2023	21.89	Second 10-Day
PLF-106	6/15/2023	18.70	
PLF-107	6/15/2023	5.85	
PLF-108	6/15/2023	4.33	
PLF-109	6/15/2023	12.13	
PLF-110	6/15/2023	9.20	
PLF-111	6/15/2023	8.15	
PLF-112	6/15/2023	12.59	
PLF-113	6/15/2023	8.83	
PLF-114	6/15/2023	10.81	
PLF-115	6/15/2023	11.23	
PLF-116	6/14/2023	3.21	
PLF-117	6/14/2023	1.08	
PLF-118	6/15/2023	1.44	
PLF-119	6/14/2023	1.32	
PLF-120	6/14/2023	1.17	
PLF-121	6/15/2023	1.73	
PLF-122	6/14/2023	1.63	
PLF-123	6/14/2023	1.19	
PLF-124	6/14/2023	1.84	

Second Quarter 2023 June Bi-Monthly
Table 2. Integrated Surface Emissions Monitoring Results
Potrero Hills Landfill, Suisun City, California

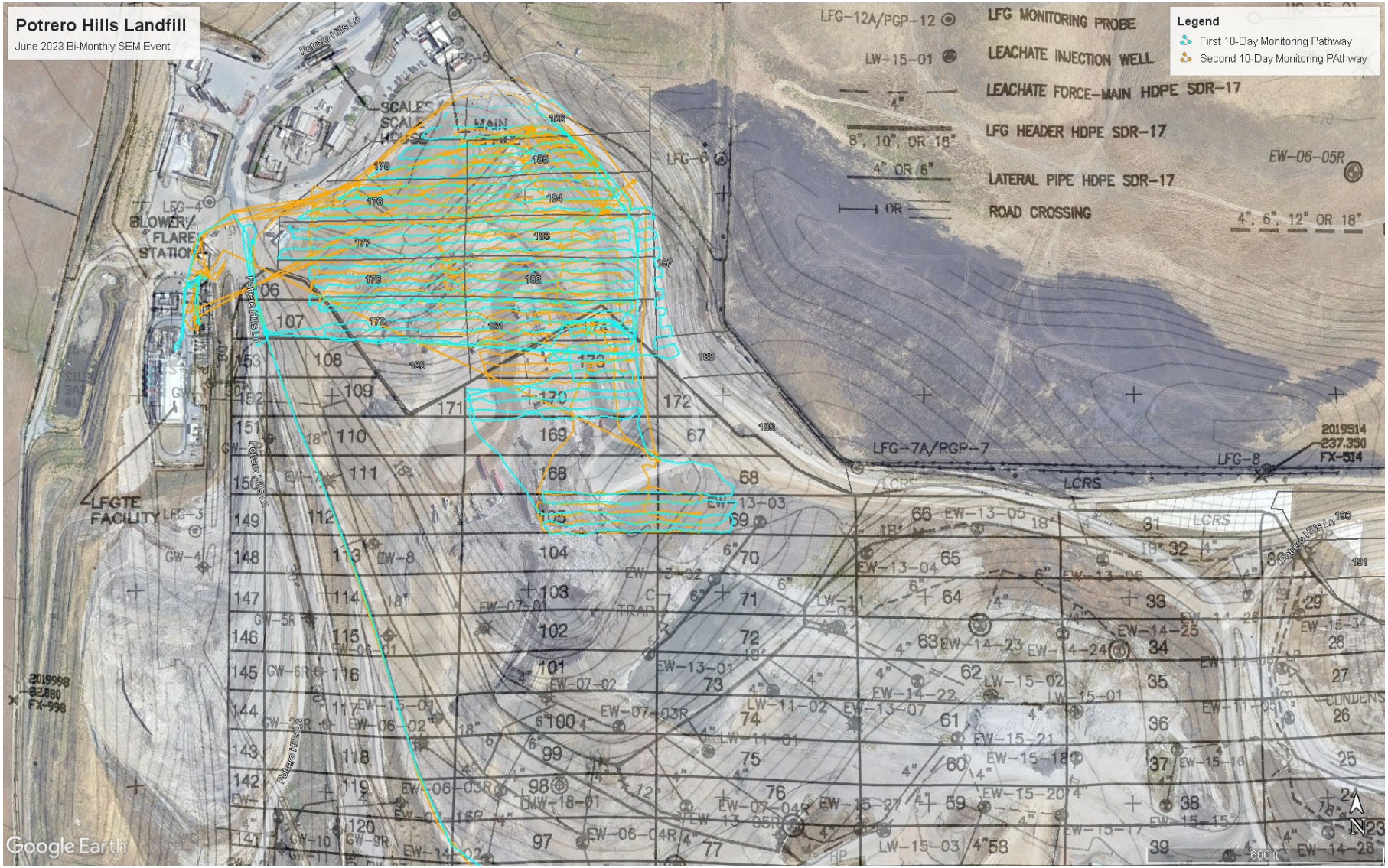
Point Name	Record Date	FID Concentration (ppm)	Comments
PLF-125	6/15/2023	0.76	
PLF-126	6/14/2023	1.07	
PLF-127	6/14/2023	1.39	
PLF-128	6/15/2023	1.98	
PLF-129	6/14/2023	1.25	
PLF-130	6/14/2023	0.69	
PLF-131	6/14/2023	0.69	
PLF-132	6/14/2023	0.77	
PLF-133	6/15/2023	1.97	
PLF-134	6/14/2023	1.37	
PLF-135	6/14/2023	1.13	
PLF-136	6/15/2023	1.58	
PLF-137	6/14/2023	1.40	
PLF-138	6/14/2023	1.07	
PLF-139	6/15/2023	0.73	
PLF-140	6/15/2023	1.66	
PLF-141	6/14/2023	1.05	
PLF-142	6/14/2023	1.40	
PLF-143	6/15/2023	1.46	
PLF-144	6/14/2023	0.75	
PLF-145	6/14/2023	1.01	
PLF-146	6/15/2023	1.54	
PLF-147	6/15/2023	1.41	
PLF-148	6/15/2023	1.65	
PLF-149	6/15/2023	1.55	
PLF-150	6/15/2023	1.36	
PLF-151	6/15/2023	3.85	
PLF-152	6/15/2023	4.71	
PLF-153	6/15/2023	8.96	
PLF-154	6/14/2023	3.21	
PLF-155	6/15/2023	2.37	
PLF-156	6/15/2023	2.34	
PLF-157	6/15/2023	2.12	
PLF-158	6/15/2023	2.12	
PLF-159	6/15/2023	2.27	
PLF-160	6/15/2023	4.46	
PLF-161	6/15/2023	1.27	
PLF-162	6/15/2023	3.18	
PLF-163	6/15/2023	2.83	
PLF-164	6/15/2023	3.32	
PLF-165	6/15/2023	5.88	
PLF-166	6/15/2023	4.11	
PLF-167	6/15/2023	4.81	

Second Quarter 2023 June Bi-Monthly
Table 2. Integrated Surface Emissions Monitoring Results
Potrero Hills Landfill, Suisun City, California

Point Name	Record Date	FID Concentration (ppm)	Comments
PLF-168	6/27/2023	17.75	
PLF-169	6/27/2023	23.20	
PLF-170	6/27/2023	29.83	Initial
PLF-170	7/7/2023	17.55	First 10-Day
PLF-171	6/27/2023	24.15	
PLF-172	6/27/2023	20.84	
PLF-173	6/27/2023	30.34	Initial
PLF-173	7/7/2023	30.47	First 10-Day
PLF-173	7/17/2023	19.06	Second 10-Day
PLF-174	6/27/2023	70.80	Initial
PLF-174	7/7/2023	57.49	First 10-Day
PLF-174	7/17/2023	41.97	Second 10-Day
PLF-175	6/27/2023	28.69	Initial
PLF-175	7/7/2023	24.93	First 10-Day
PLF-176	6/27/2023	36.08	Initial
PLF-176	7/7/2023	37.81	First 10-Day
PLF-176	7/17/2023	12.62	Second 10-Day
PLF-177	6/27/2023	26.35	Initial
PLF-177	7/7/2023	24.37	First 10-Day
PLF-178	6/27/2023	38.43	Initial
PLF-178	7/7/2023	28.77	First 10-Day
PLF-178	7/17/2023	14.97	Second 10-Day
PLF-179	6/27/2023	26.85	Initial
PLF-179	7/7/2023	18.87	First 10-Day
PLF-180	6/27/2023	22.08	
PLF-181	6/27/2023	67.73	Initial
PLF-181	7/7/2023	55.56	First 10-Day
PLF-181	7/17/2023	32.06	Second 10-Day
PLF-182	6/27/2023	54.97	Initial
PLF-182	7/7/2023	60.97	First 10-Day
PLF-182	7/17/2023	54.17	Second 10-Day
PLF-183	6/27/2023	60.97	Initial
PLF-183	7/7/2023	65.61	First 10-Day
PLF-183	7/17/2023	56.93	Second 10-Day
PLF-184	6/27/2023	64.17	Initial
PLF-184	7/7/2023	48.75	First 10-Day
PLF-184	7/17/2023	43.48	Second 10-Day
PLF-185	6/27/2023	32.73	Initial
PLF-185	7/7/2023	25.17	First 10-Day
PLF-185	7/17/2023	17.60	Second 10-Day
PLF-186	6/27/2023	12.48	

Second Quarter 2023 June Bi-Monthly
Table 2. Integrated Surface Emissions Monitoring Results
Potrero Hills Landfill, Suisun City, California

Point Name	Record Date	FID Concentration (ppm)	Comments
PLF-187	6/27/2023	31.98	Initial
PLF-187	7/7/2023	16.46	First 10-Day
PLF-188	6/27/2023	22.83	
PLF-189	6/27/2023	11.56	
PLF-190	--	--	Active
PLF-191	--	--	Active
PLF-192	--	--	Active
PLF-193	--	--	Active
PLF-194	--	--	Active
PLF-195	--	--	Active
PLF-196	--	--	Active
PLF-197	--	--	Active
PLF-198	--	--	Active
PLF-199	--	--	Active
PLF-200	--	--	Active
PLF-201	--	--	Active
PLF-202	--	--	Active
PLF-203	--	--	Active
PLF-204	--	--	Active
PLF-205	--	--	Active
PLF-206	--	--	Active
PLF-207	--	--	Active
PLF-208	--	--	Active



Second Quarter 2023 June Bi-Monthly
LMR Surface Emissions Recheck Monitoring Pathway
Potrero Hills Landfill, Suisun City, California

Attachment 5

Calibration Logs

SURFACE EMISSIONS MONITORING
CALIBRATION AND PERTINENT DATA

Date: 6/14/23 Site Name: POTRERO

Inspector(s): Emmanuel/Pg2 Instrument: TVA 2020

WEATHER OBSERVATIONS

Wind Speed: 10 MPH Wind Direction: E Barometric Pressure: 29.92 "Hg

Air Temperature: 58 °F General Weather Conditions: Mostly 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: 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	2
2	0	500	0	4
3	0	502	2	4

Average Difference: .3

*Perform recalibration if average difference is greater than 10

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

= 100%- 99.94 /500 x 100%

= %

Span Sensitivity:

Trial 1:
Counts Observed for the Span= 169732
Counters Observed for the Zero= 4905

Trial 2:
Counts Observed for the Span= 169984
Counters Observed for the Zero= 4844

Trial 3:
Counts Observed for the Span= 170248
Counters Observed for the Zero= 4791

Post Monitoring Calibration Check

Zero Air Reading: 1.6 ppm Cal Gas Reading: 502 ppm

BACKGROUND CONCENTRATIONS CHECKS

Upwind Location Description: Grid 42 Reading: 1.9 ppm

Downwind Location Description: Flare Reading: 3.4 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: 6/14/23

Site Name: POTRERO

Inspector(s): A. STONE

Instrument: TVA 2020

WEATHER OBSERVATIONS

Wind Speed: 10 MPH

Wind Direction: E

Barometric Pressure: 29.92 "Hg

Air Temperature: 58 °F

General Weather Conditions: Mostly 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: 5419

Cal Gas Concentration: 500ppm

Trial	Zero Air Reading	Cal Gas Reading	|Cal Gas Conc.-Cal Gas Reading|	Response Time (seconds)
1	0	500	0	5
2	0	498	2	6
3	0	502	2	6

Average Difference: 1.3

*Perform recalibration if average difference is greater than 10

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

= 100%- 99.74/500 x 100%

= %

Span Sensitivity:

Trial 1:

Counts Observed for the Span= 178724

Counters Observed for the Zero= 4882

Trial 2:

Counts Observed for the Span= 180844

Counters Observed for the Zero= 4855

Trial 3:

Counts Observed for the Span= 180632

Counters Observed for the Zero= 4852

Post Monitoring Calibration Check

Zero Air Reading: -1.2 ppm

Cal Gas Reading: 499 ppm

BACKGROUND CONCENTRATIONS CHECKS

Upwind Location Description: Grid 92

Reading: 1.9 ppm

Downwind Location Description: Flare

Reading: 3.4 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: 6/14/23 Site Name: POTRERO

Inspector(s): Don Gibson Instrument: TVA 2020

WEATHER OBSERVATIONS

Wind Speed: 10 MPH Wind Direction: E Barometric Pressure: 29.92 "Hg

Air Temperature: 58 °F General Weather Conditions: Mostly 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: 5421 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	0	499	1	3

Average Difference: .3

*Perform recalibration if average difference is greater than 10

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

= 100%- 99.94 /500 x 100%

= %

Span Sensitivity:

Trial 1:
Counts Observed for the Span= 135152
Counters Observed for the Zero= 4041

Trial 2:
Counts Observed for the Span= 137420
Counters Observed for the Zero= 4040

Trial 3:
Counts Observed for the Span= 137896
Counters Observed for the Zero= 4016

Post Monitoring Calibration Check

Zero Air Reading: -2.6 ppm Cal Gas Reading: 496 ppm

BACKGROUND CONCENTRATIONS CHECKS

Upwind Location Description: Grid 92 Reading: 1.9 ppm

Downwind Location Description: Flare Reading: 3.4 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: 6-14-23
Site Name: Potrero

Inspector(s): Arturo Olivares
Instrument: TVA 2020

WEATHER OBSERVATIONS

Wind Speed: 10 MPH
Wind Direction: E
Barometric Pressure: 29.92 "Hg

Air Temperature: 56 °F
General Weather Conditions: partly Cloudy

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: 4106
Cal Gas Concentration: 500ppm

Trial	Zero Air Reading	Cal Gas Reading	|Cal Gas Conc.-Cal Gas Reading|	Response Time (seconds)
1	0	499	1	4
2	0	502	2	5
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%

= 99.74 %

Span Sensitivity:

Trial 1:
Counts Observed for the Span= 165444
Counters Observed for the Zero= 5531

Trial 2:
Counts Observed for the Span= 166312
Counters Observed for the Zero= 5469

Trial 3:
Counts Observed for the Span= 166308
Counters Observed for the Zero= 5432

Post Monitoring Calibration Check

Zero Air Reading: 1.5 ppm
Cal Gas Reading: 500 ppm

BACKGROUND CONCENTRATIONS CHECKS

Upwind Location Description: Grid 92
Reading: 1.9 ppm

Downwind Location Description: Flare
Reading: 3.4 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.

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SURFACE EMISSIONS MONITORING
CALIBRATION AND PERTINENT DATA

Date: 06/14/23 Site Name: Potrero

Inspector(s): R. Yepez Instrument: TVA 2020

WEATHER OBSERVATIONS

Wind Speed: 13 MPH Wind Direction: E Barometric Pressure: 29.92 "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	0	499	1	5
2	0	499	1	4
3	0	500	0	4

Average Difference: 0.67

*Perform recalibration if average difference is greater than 10

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

= 100%- 0.67 /500 x 100%

= 99.87 %

Span Sensitivity:

Trial 1:
Counts Observed for the Span= 136068
Counters Observed for the Zero= 4706

Trial 2:
Counts Observed for the Span= 142724
Counters Observed for the Zero= 4723

Trial 3:
Counts Observed for the Span= 136852
Counters Observed for the Zero= 4694

Post Monitoring Calibration Check

Zero Air Reading: -2.2 ppm Cal Gas Reading: 504 ppm

BACKGROUND CONCENTRATIONS CHECKS

Upwind Location Description: Grid 139 Reading: 3.8 ppm

Downwind Location Description: Grid 166 Reading: 4.6 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: 06/14/23 Site Name: Potrero

Inspector(s): Bryan Ochoa Instrument: TVA 2020

WEATHER OBSERVATIONS

Wind Speed: 13 MPH Wind Direction: G Barometric Pressure: 29.92 "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: 1220 Cal Gas Concentration: 500ppm

Trial	Zero Air Reading	Cal Gas Reading	|Cal Gas Conc.-Cal Gas Reading|	Response Time (seconds)
1	-0.1	500	0	4
2	0	500	0	3
3	-0.1	502	2	5

Average Difference: 0.67

*Perform recalibration if average difference is greater than 10

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

= 100%- 0.67 /500 x 100%

= 99.87%

Span Sensitivity:

Trial 1:

Counts Observed for the Span= 131912

Counters Observed for the Zero= 3728

Trial 2:

Counts Observed for the Span= 134196

Counters Observed for the Zero= 3604

Trial 3:

Counts Observed for the Span= 134200

Counters Observed for the Zero= 3619

Post Monitoring Calibration Check

Zero Air Reading: -2.7 ppm Cal Gas Reading: 501 ppm

BACKGROUND CONCENTRATIONS CHECKS

Upwind Location Description: Grid 139 Reading: 3.7 ppm

Downwind Location Description: Grid 166 Reading: 42 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: 6-15-23 Site Name: Potrero

Inspector(s): Emmanual . P Instrument: TVA 2020

WEATHER OBSERVATIONS

Wind Speed: 9 MPH Wind Direction: WSW Barometric Pressure: 29.86 "Hg

Air Temperature: 57 °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: 5421 Cal Gas Concentration: 500ppm

Trial	Zero Air Reading	Cal Gas Reading	|Cal Gas Conc.-Cal Gas Reading|	Response Time (seconds)
1	0	500	0	1
2	-0.1	502	2	2
3	-0.1	504	4	3

Average Difference: 2

*Perform recalibration if average difference is greater than 10

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

= 100%- 2 /500 x 100%

= 99.6 %

Span Sensitivity:

Trial 1:

Counts Observed for the Span= 134256

Counters Observed for the Zero= 426

Trial 2:

Counts Observed for the Span= 133463

Counters Observed for the Zero= 4156

Trial 3:

Counts Observed for the Span= 131712

Counters Observed for the Zero= 4112

Post Monitoring Calibration Check

Zero Air Reading: 1.5 ppm Cal Gas Reading: 501 ppm

BACKGROUND CONCENTRATIONS CHECKS

Upwind Location Description: Flare Reading: 2.3 ppm

Downwind Location Description: G94 Reading: 2.4 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: 6-15-23 Site Name: Potrero

Inspector(s): Don.G Instrument: TVA 2020

WEATHER OBSERVATIONS

Wind Speed: 9 MPH Wind Direction: WSW Barometric Pressure: 29.86 "Hg

Air Temperature: 57 °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: 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	1
2	0	500	0	3
3	0	498	2	1

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%

= 99.88 %

Span Sensitivity:

Trial 1:
Counts Observed for the Span= 121824
Counters Observed for the Zero= 4903

Trial 2:
Counts Observed for the Span= 123324
Counters Observed for the Zero= 4818

Trial 3:
Counts Observed for the Span= 123832
Counters Observed for the Zero= 4762

Post Monitoring Calibration Check

Zero Air Reading: 1.9 ppm Cal Gas Reading: 503 ppm

BACKGROUND CONCENTRATIONS CHECKS

Upwind Location Description: flare Reading: 2.3 ppm

Downwind Location Description: G 94 Reading: 2.4 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: 6-15-23 Site Name: Potrero

Inspector(s): Alfredo .G Instrument: TVA 2020

WEATHER OBSERVATIONS

Wind Speed: 9 MPH Wind Direction: WSW Barometric Pressure: 29.86 "Hg

Air Temperature: 57 °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: 4388 Cal Gas Concentration: 500ppm

Trial	Zero Air Reading	Cal Gas Reading	|Cal Gas Conc.-Cal Gas Reading|	Response Time (seconds)
1	-0.1	501	1	2
2	0	500	0	3
3	0	499	1	1

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%

= 99.88 %

Span Sensitivity:

Trial 1:
Counts Observed for the Span= 165112
Counters Observed for the Zero= 3881

Trial 2:
Counts Observed for the Span= 165232
Counters Observed for the Zero= 3775

Trial 3:
Counts Observed for the Span= 163330
Counters Observed for the Zero= 3725

Post Monitoring Calibration Check

Zero Air Reading: 1.7 ppm Cal Gas Reading: 502 ppm

BACKGROUND CONCENTRATIONS CHECKS

Upwind Location Description: Clare Reading: 2.3 ppm

Downwind Location Description: G 94 Reading: 2.4 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: 6/15/23 Site Name: Potrero

Inspector(s): Jonathan Sepulveda Instrument: TVA 2020

WEATHER OBSERVATIONS

Wind Speed: 8 MPH Wind Direction: E Barometric Pressure: 29.86 "Hg

Air Temperature: 56 °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: 1220 Cal Gas Concentration: 500ppm

Trial	Zero Air Reading	Cal Gas Reading	|Cal Gas Conc.-Cal Gas Reading|	Response Time (seconds)
1	-0.1	500	0	3
2	0	502	2	2
3	-0.1	501	1	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= 125512
Counters Observed for the Zero= 3806

Trial 2:
Counts Observed for the Span= 124852
Counters Observed for the Zero= 3802

Trial 3:
Counts Observed for the Span= 126524
Counters Observed for the Zero= 3791

Post Monitoring Calibration Check

Zero Air Reading: 1.9 ppm Cal Gas Reading: 515 ppm

BACKGROUND CONCENTRATIONS CHECKS

Upwind Location Description: Flare Reading: 2.3 ppm

Downwind Location Description: G94 Reading: 2.4 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: 6/15/23 Site Name: Potrero

Inspector(s): Ricardo Yepez Instrument: TVA 2020

WEATHER OBSERVATIONS

Wind Speed: 8 MPH Wind Direction: E Barometric Pressure: 29.86 "Hg

Air Temperature: 56 °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: 1211 Cal Gas Concentration: 500ppm

Trial	Zero Air Reading	Cal Gas Reading	|Cal Gas Conc.-Cal Gas Reading|	Response Time (seconds)
1	0	502	2	5
2	0	502	2	3
3	0	498	2	2

Average Difference: 2

*Perform recalibration if average difference is greater than 10

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

= 100%- 2 /500 x 100%

= 99.6 %

Span Sensitivity:

Trial 1:
Counts Observed for the Span= 117156
Counters Observed for the Zero= 4074

Trial 2:
Counts Observed for the Span= 116560
Counters Observed for the Zero= 4016

Trial 3:
Counts Observed for the Span= 115948
Counters Observed for the Zero= 3952

Post Monitoring Calibration Check

Zero Air Reading: 2.5 ppm Cal Gas Reading: 505 ppm

BACKGROUND CONCENTRATIONS CHECKS

Upwind Location Description: Flare Reading: 2.3 ppm

Downwind Location Description: G 94 Reading: 2.4 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: 6-16-23 Site Name: Potrero

Inspector(s): Bryan Ochoa Instrument: TVA 2020

WEATHER OBSERVATIONS

Wind Speed: 9 MPH Wind Direction: E Barometric Pressure: 29.90 "Hg

Air Temperature: 55 °F General Weather Conditions: Cloudy

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: 1211 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	-0.1	499	1	2
3	0	500	0	5

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= 126084
Counters Observed for the Zero= 3942

Trial 2:
Counts Observed for the Span= 124976
Counters Observed for the Zero= 3916

Trial 3:
Counts Observed for the Span= 124332
Counters Observed for the Zero= 3882

Post Monitoring Calibration Check

Zero Air Reading: 1.3 ppm Cal Gas Reading: 510 ppm

BACKGROUND CONCENTRATIONS CHECKS

Upwind Location Description: Grid 139 Reading: 2.0 ppm

Downwind Location Description: Grid 166 Reading: 2.3 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: 6-16-23 Site Name: Potrero

Inspector(s): Jonathan Sepulveda Instrument: TVA 2020

WEATHER OBSERVATIONS

Wind Speed: 9 MPH Wind Direction: E Barometric Pressure: 29.96 "Hg

Air Temperature: 55 °F General Weather Conditions: Cloudy

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: 4388 Cal Gas Concentration: 500ppm

Trial	Zero Air Reading	Cal Gas Reading	|Cal Gas Conc.-Cal Gas Reading|	Response Time (seconds)
1	-0.1	502	2	3
2	0	500	0	5
3	0	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= 165192
Counters Observed for the Zero= 3801

Trial 2:
Counts Observed for the Span= 164064
Counters Observed for the Zero= 3744

Trial 3:
Counts Observed for the Span= 164308
Counters Observed for the Zero= 3701

Post Monitoring Calibration Check

Zero Air Reading: 2.5 ppm Cal Gas Reading: 500 ppm

BACKGROUND CONCENTRATIONS CHECKS

Upwind Location Description: _____ Reading: 2.0 ppm

Downwind Location Description: _____ Reading: 2.3 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: 7-17-23

Site Name: Potrero

Inspector(s): Jonathan Sepulveda

Instrument: TVA 2020

WEATHER OBSERVATIONS

Wind Speed: 10 MPH

Wind Direction: E

Barometric Pressure: 29.83 "Hg

Air Temperature: 66 °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: 1211

Cal Gas Concentration: 500ppm

Trial	Zero Air Reading	Cal Gas Reading	|Cal Gas Conc.-Cal Gas Reading|	Response Time (seconds)
1	0.1	499	1	5
2	0	498	2	3
3	-0.1	499	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%

= 99.74 %

Span Sensitivity:

Trial 1:

Counts Observed for the Span= 119308

Counters Observed for the Zero= 3971

Trial 2:

Counts Observed for the Span= 114496

Counters Observed for the Zero= 3901

Trial 3:

Counts Observed for the Span= 113112

Counters Observed for the Zero= 3764

Post Monitoring Calibration Check

Zero Air Reading: 1.2 ppm

Cal Gas Reading: 500 ppm

BACKGROUND CONCENTRATIONS CHECKS

Upwind Location Description: Flare — Reading: 3.7 ppm

Downwind Location Description: Grid 63 — Reading: 9.4 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.

[illegible]

SURFACE EMISSIONS MONITORING
CALIBRATION AND PERTINENT DATA

Date: 7-17-23 | Site Name: Potrero

Inspector(s): Andrew Stone | Instrument: TVA 2020

WEATHER OBSERVATIONS

Wind Speed: 10 MPH | Wind Direction: E | Barometric Pressure: 29.83 "Hg

Air Temperature: 66 °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: 2367 | Cal Gas Concentration: 500ppm

Trial	Zero Air Reading	Cal Gas Reading	|Cal Gas Conc.-Cal Gas Reading|	Response Time (seconds)
1	0	497	3	3
2	0	498	2	3
3	0	500	0	5

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%

= 99.68 %

Span Sensitivity:

Trial 1:

Counts Observed for the Span= 169852

Counters Observed for the Zero= 4990

Trial 2:

Counts Observed for the Span= 167816

Counters Observed for the Zero= 4846

Trial 3:

Counts Observed for the Span= 167484

Counters Observed for the Zero= 4738

Post Monitoring Calibration Check

Zero Air Reading: 2.8 ppm | Cal Gas Reading: 512 ppm

BACKGROUND CONCENTRATIONS CHECKS

Upwind Location Description: Flare | Reading: 3.7 ppm

Downwind Location Description: Grid 67 | Reading: 9.4 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: 7-17-23 Site Name: Potrero

Inspector(s): Ricardo Yepez Instrument: TVA 2020

WEATHER OBSERVATIONS

Wind Speed: 10 MPH Wind Direction: E Barometric Pressure: 29.83 "Hg

Air Temperature: 66 °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: 5421 Cal Gas Concentration: 500ppm

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

= 99.74 %

Span Sensitivity:

Trial 1:

Counts Observed for the Span= 133468

Counters Observed for the Zero= 4320

Trial 2:

Counts Observed for the Span= 129920

Counters Observed for the Zero= 4175

Trial 3:

Counts Observed for the Span= 130312

Counters Observed for the Zero= 4005

Post Monitoring Calibration Check

Zero Air Reading: 3.4 ppm Cal Gas Reading: 510 ppm

BACKGROUND CONCENTRATIONS CHECKS

Upwind Location Description: Flare Reading: 3.7 ppm

Downwind Location Description: Grid 63 Reading: 9.4 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: 7-27-23 Site Name: Potrero

Inspector(s): Alfredo Gomez Instrument: TVA 2020

WEATHER OBSERVATIONS

Wind Speed: 10 MPH Wind Direction: SW Barometric Pressure: 29.94 "Hg

Air Temperature: 58 °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: 5419 Cal Gas Concentration: 500ppm

Trial	Zero Air Reading	Cal Gas Reading	|Cal Gas Conc.-Cal Gas Reading|	Response Time (seconds)
1	-0.1	500	0	1
2	-0.1	500	0	3
3	-0.1	502	2	2

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%

= 99.88 %

Span Sensitivity:

Trial 1:

Counts Observed for the Span= 164952

Counters Observed for the Zero= 5281

Trial 2:

Counts Observed for the Span= 174124

Counters Observed for the Zero= 5275

Trial 3:

Counts Observed for the Span= 173336

Counters Observed for the Zero= 5222

Post Monitoring Calibration Check

Zero Air Reading: 2.3 ppm Cal Gas Reading: 504 ppm

BACKGROUND CONCENTRATIONS CHECKS

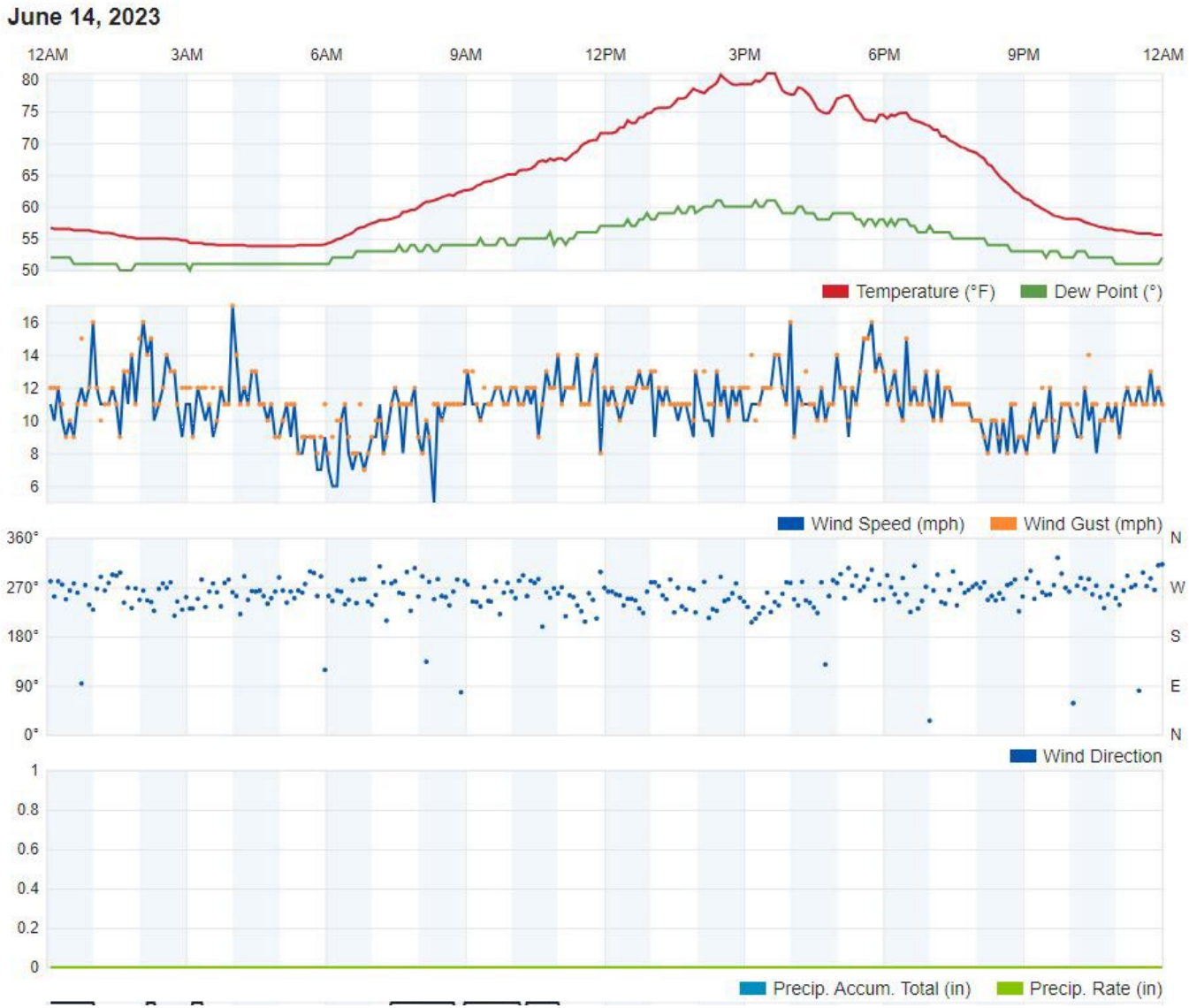
Upwind Location Description: Grid 164 Reading: 2.1 ppm

Downwind Location Description: Flare Reading: 2.5 ppm

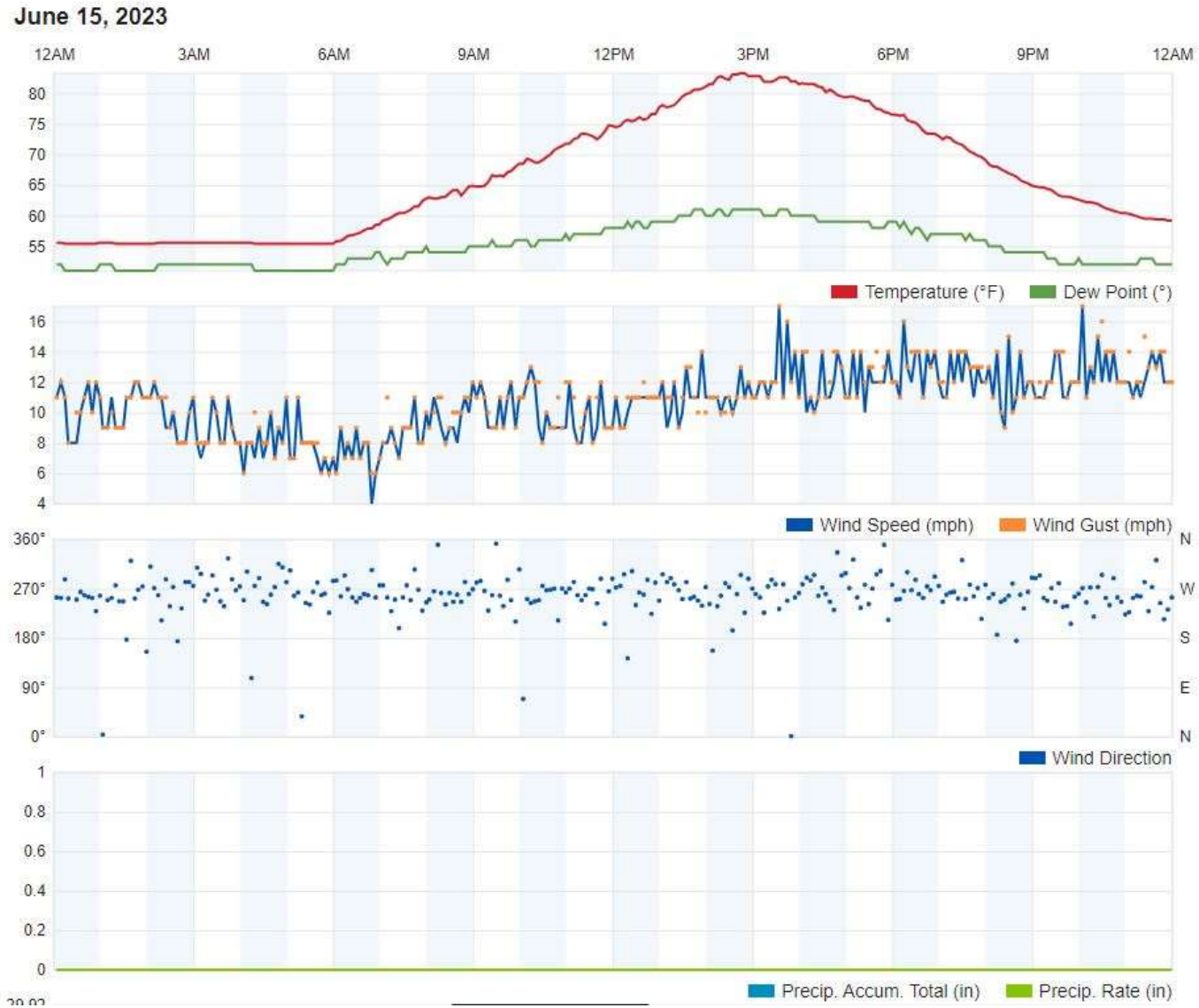
Notes: Wind speed averages were observed to remain below the alternative requested 10 miles per hour and no instantaneous speeds exceeded 20 miles per hour. No rainfall had occurred within the previous 24 hours of the monitoring event. Therefore, site meteorological conditions were within the requested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

Attachment 6

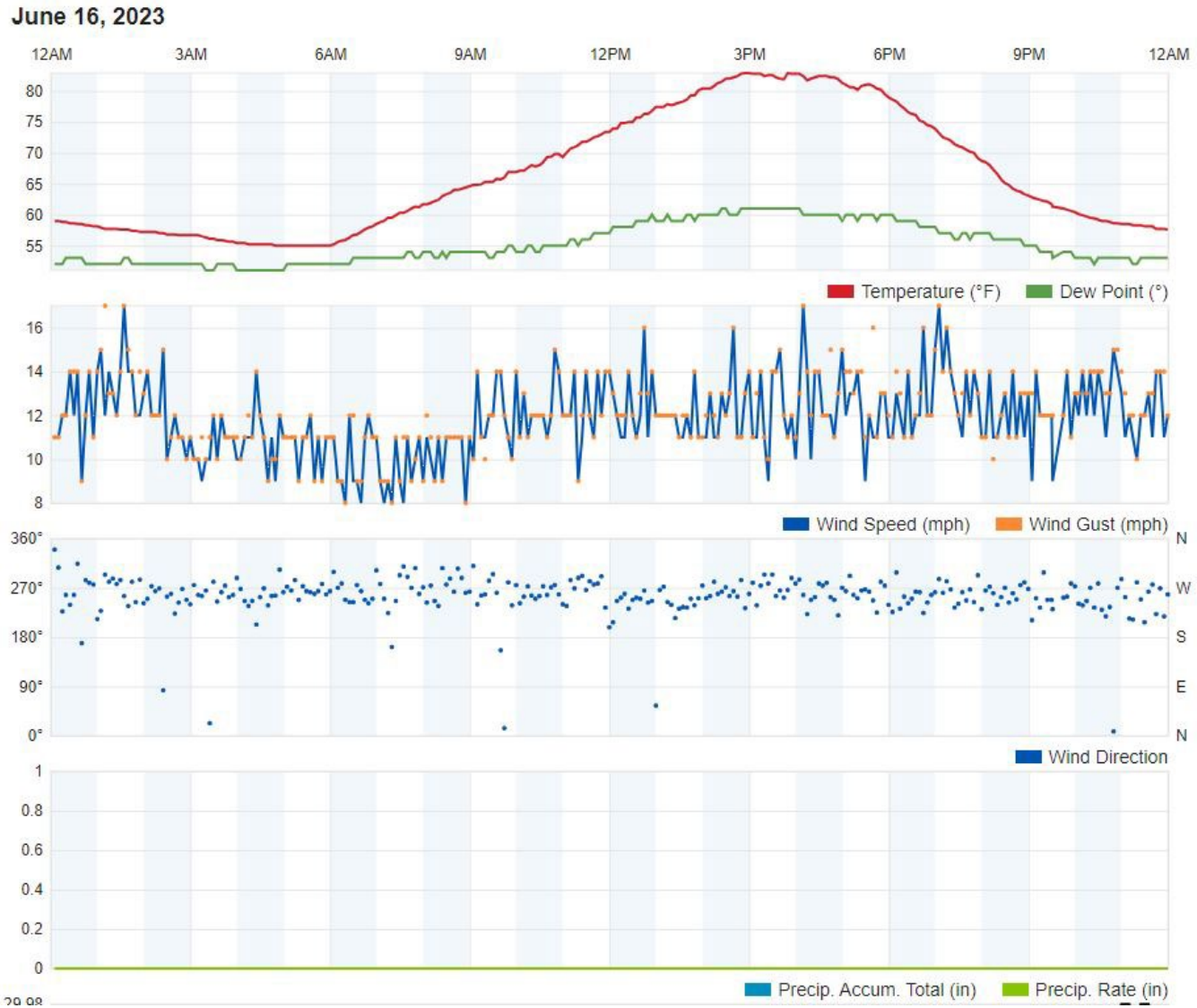
Weather Data



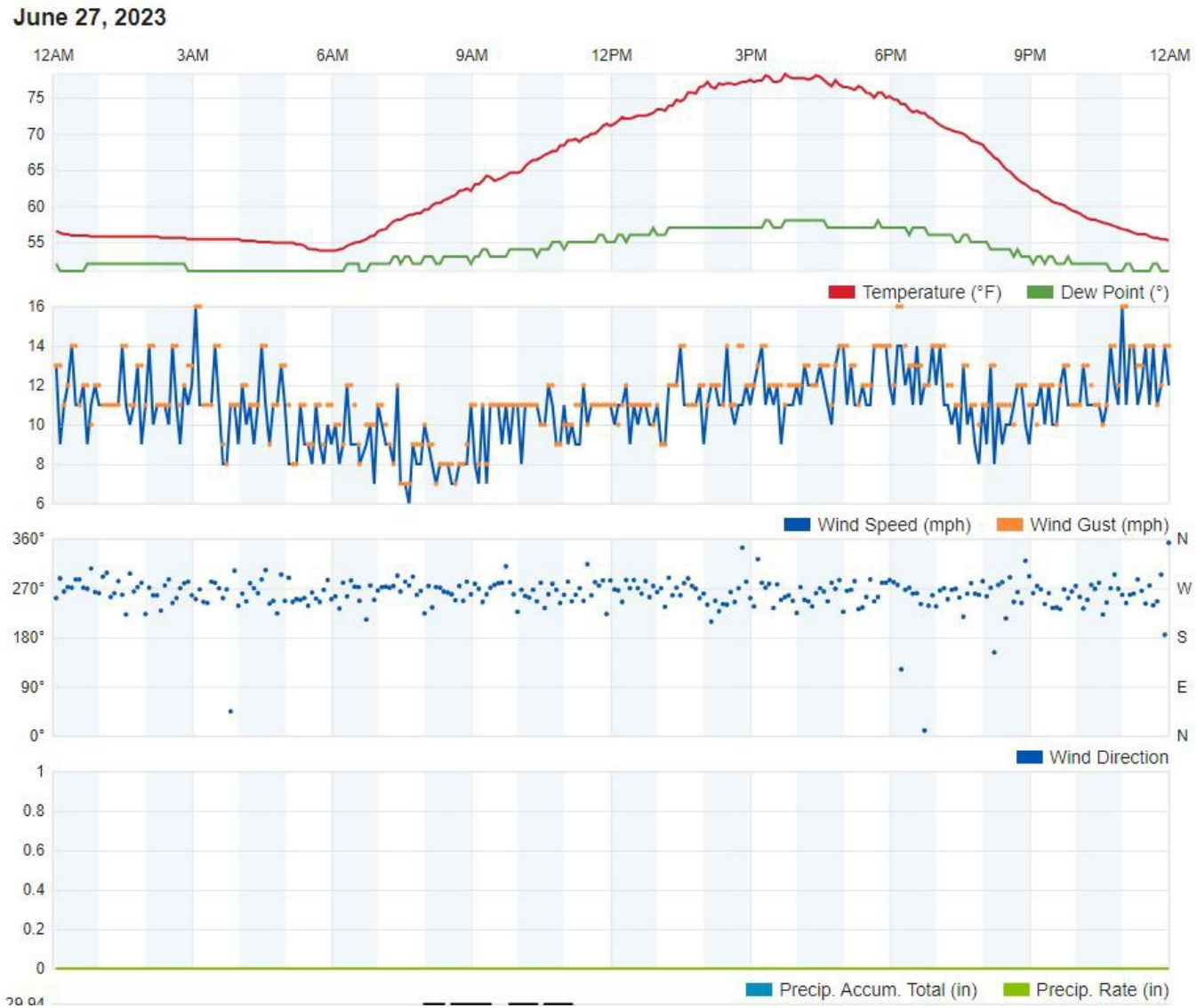
June 14, 2023
Emissions Monitoring Weather Data
Potrero Hills Landfill, Suisun City, California



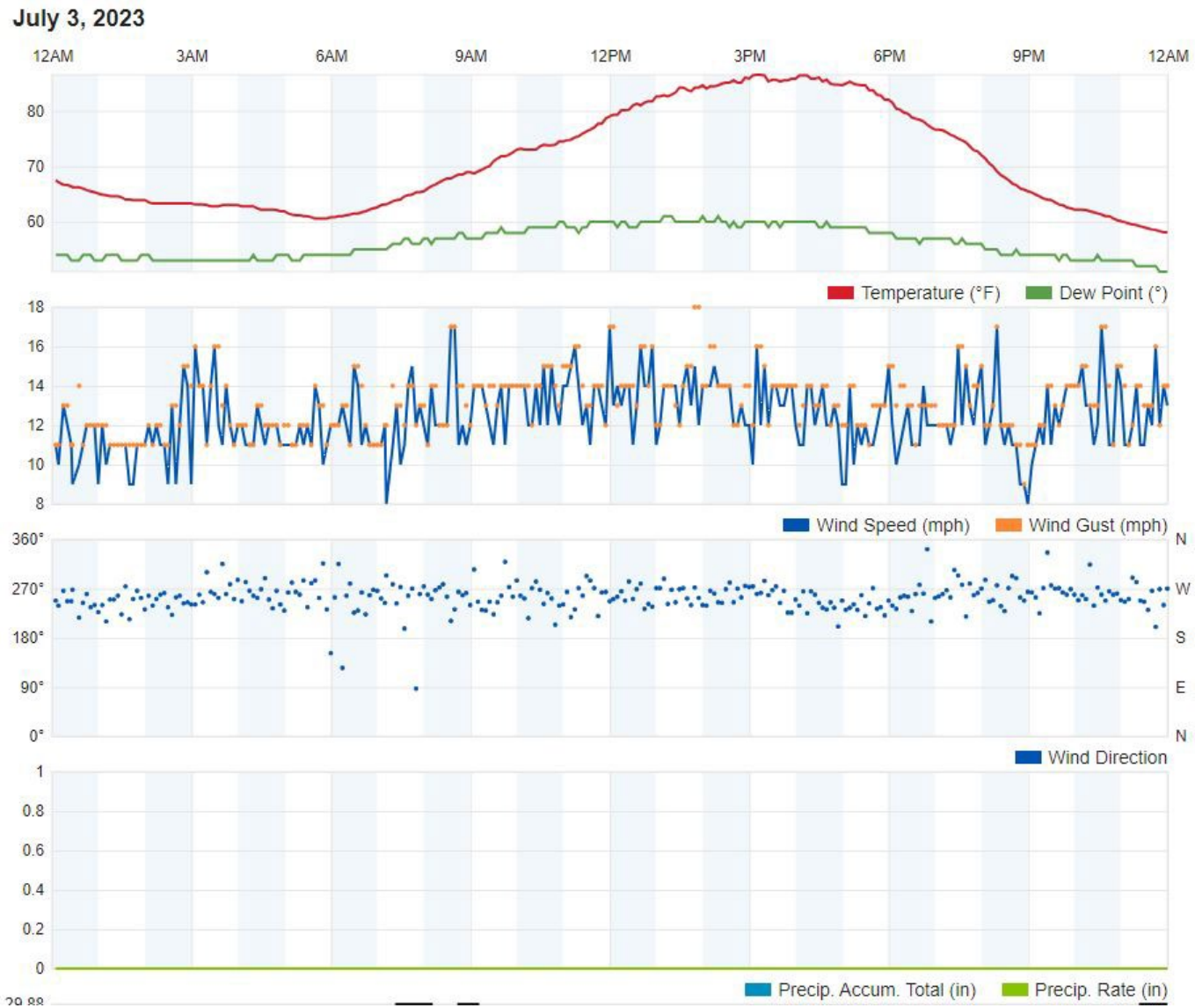
June 15, 2023
Emissions Monitoring Weather Data
Potrero Hills Landfill, Suisun City, California



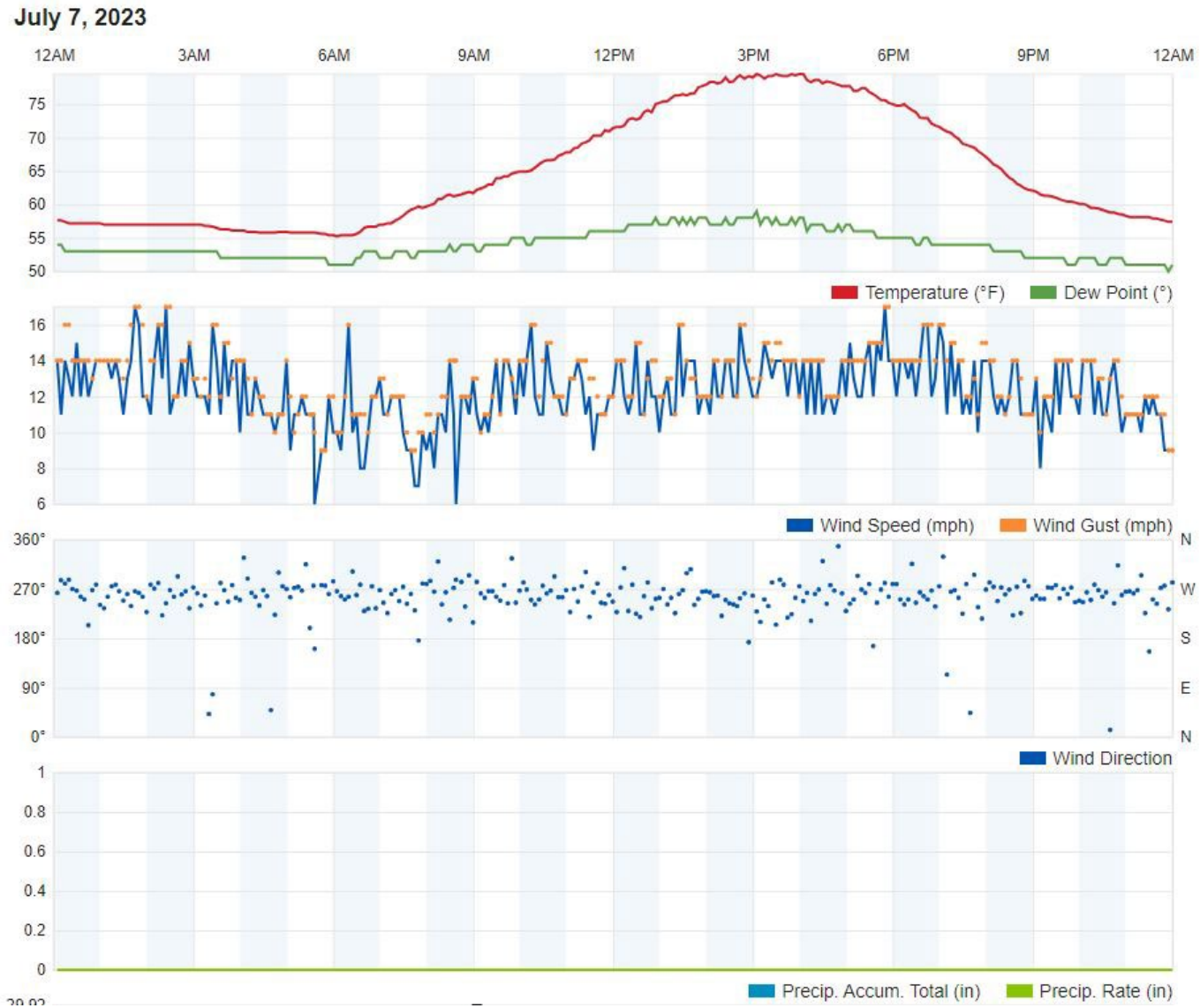
June 16, 2023
Emissions Monitoring Weather Data
Potrero Hills Landfill, Suisun City, California



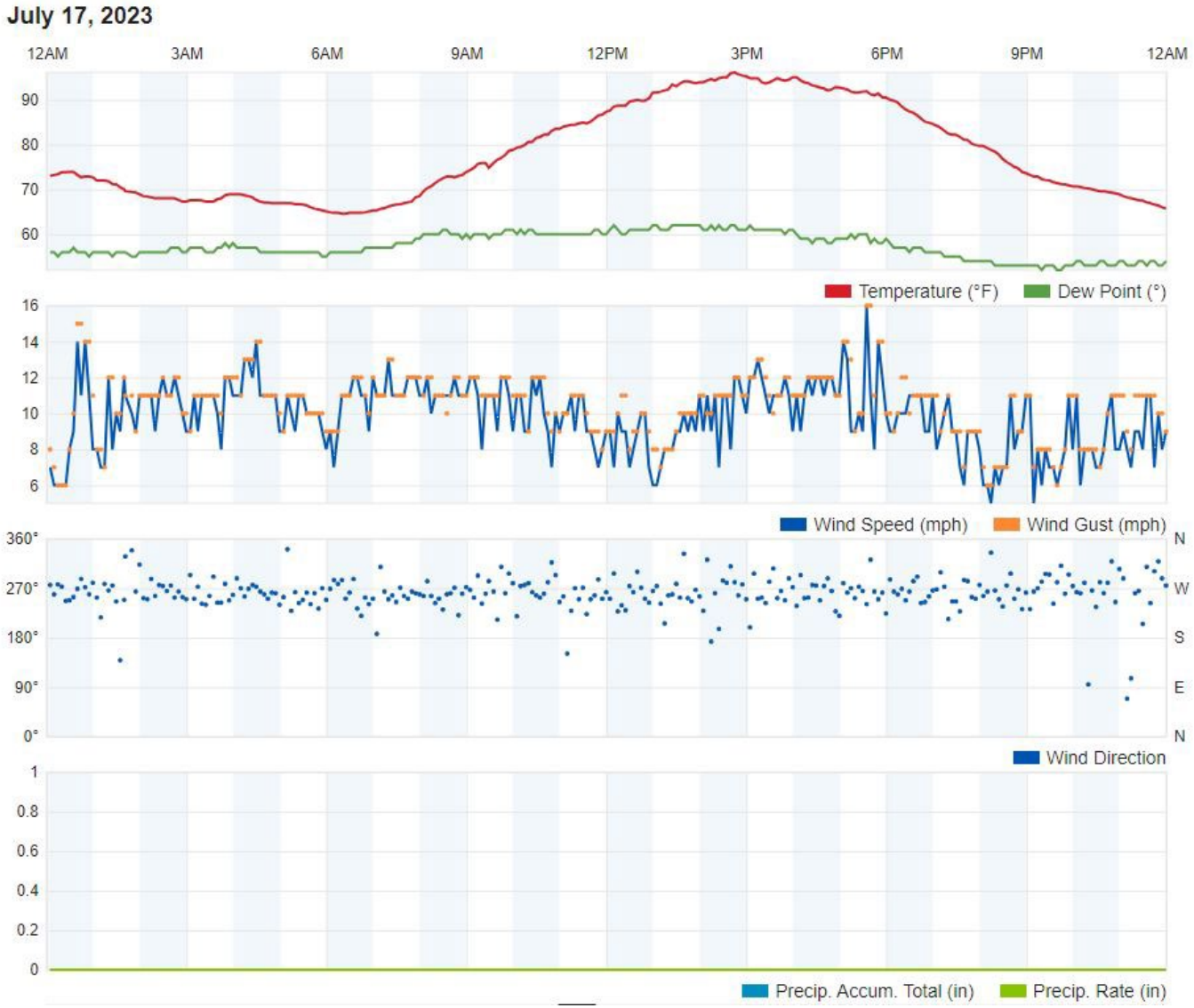
June 27, 2023
Emissions Monitoring Weather Data
Potrero Hills Landfill, Suisun City, California



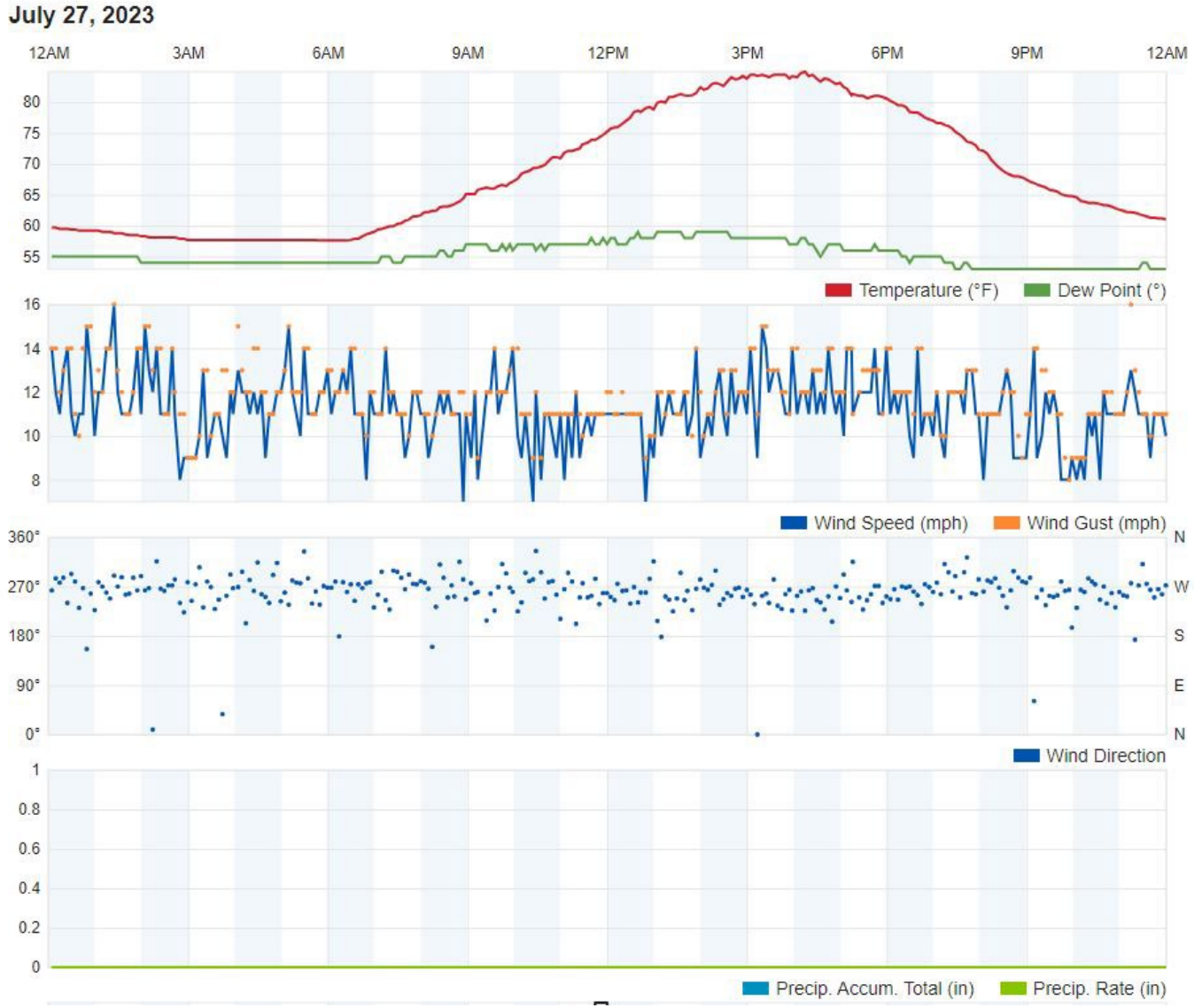
July 3, 2023
Emissions Monitoring Weather Data
Potrero Hills Landfill, Suisun City, California



July 7, 2023
Emissions Monitoring Weather Data
Potrero Hills Landfill, Suisun City, California



July 17, 2023
Emissions Monitoring Weather Data
Potrero Hills Landfill, Suisun City, California



July 27, 2023
Emissions Monitoring Weather Data
Potrero Hills Landfill, Suisun City, California

Appendix C – Well Data

Potrero Hills Landfill - Well Data - 02/01/2023 to 07/31/2023

Point Name	Record Date	CH4 [%]	CO2 [%]	O2 [%]	Bal Gas [%]	Init Temp [°F]	Adj Temp [°F]	Init Stat Press ["H2O]	Adj Stat Press ["H2O]	Init Flow [scfm]	Adj Flow [scfm]	Sys Pressure ["H2O]	Comments
PHL0606R	2/6/23 11:06	54.2	42.3	0.1	3.4	87.6	87.6	-1.49	-1.48	26.7	26.6	-31.06	NO CHANGE
PHL0606R	2/14/23 12:36	55.5	44.5	0.0	0.0	119.7	119.8	-0.56	-0.56	24.0	23.9	-19.02	
PHL0606R	3/13/23 12:19	55.9	43.1	0.0	1.0	122.6	123.2	-1.71	-2.34	29.0	43.1	-25.37	INCREASED FLOW/VACUUM
PHL0606R	4/17/23 11:01	55.2	41.1	0.2	3.5	120.8	121.0	-2.95	-3.44	39.0	54.3	-26.35	INCREASED FLOW/VACUUM
PHL0606R	5/15/23 10:40	43.8	37.4	0.6	18.2	123.3	121.7	-4.59	-2.76	47.6	12.3	-29.31	DECREASED FLOW/VACUUM
PHL0606R	6/7/23 12:28	52.5	39.4	0.9	7.2	112.9	113.4	-1.31	-1.32	24.8	24.8	-25.64	
PHL0606R	7/25/23 8:26	45.5	37.7	1.4	15.4	120.0	120.1	-1.66	-1.67	0.0	0.0	-29.39	
PHL0607R	2/14/23 11:22	45.2	36.5	0.0	18.3	55.5	55.5	-9.58	-9.58	0.3	0.4	-21.00	NO CHANGE
PHL0607R	3/13/23 13:56	34.4	39.9	0.0	25.7	63.8	63.4	-15.67	-12.84	0.0	0.8	-34.88	
PHL0607R	4/24/23 10:43	43.6	36.4	0.6	19.4	64.8	64.8	-13.92	-13.83	0.1	0.3	-34.54	
PHL0607R	5/1/23 12:10	47.6	40.6	0.0	11.8	56.0	56.0	-31.51	-31.49	1.4	1.4	-31.47	
PHL0607R	6/12/23 14:53	1.9	16.9	2.0	79.2	74.1	74.2	-31.33	-31.32	0.9	0.8	-31.33	
PHL0607R	7/17/23 14:43	1.6	16.0	1.6	80.8	95.1	95.1	-25.14	-25.13	0.7	0.7	-27.39	MINIMAL VACUUM SETTING
PHL0706R	2/20/23 10:42	56.8	40.7	0.0	2.5	66.5	66.6	-34.91	-34.48	0.0	0.0	-35.04	NO CHANGE
PHL0706R	3/13/23 12:47	52.8	46.0	1.2	0.0	67.1	67.1	-35.21	-35.16	0.0	0.0	-34.78	
PHL0706R	4/24/23 9:59	58.0	41.4	0.6	0.0	69.0	69.0	-34.53	-35.14	0.0	0.0	-33.89	
PHL0706R	5/1/23 13:04	45.7	34.0	3.7	16.6	62.0	62.0	-33.86	-33.89	1.2	1.1	-33.36	
PHL0706R	6/12/23 14:39	45.8	34.9	3.6	15.7	81.6	81.3	-33.53	-33.54	0.0	0.0	-33.53	
PHL0706R	7/17/23 13:49	54.0	42.4	0.5	3.1	94.5	94.6	-30.90	-31.02	0.9	1.1	-31.00	
PHL0707R	2/20/23 11:01	52.4	39.2	0.0	8.4	124.3	124.4	-11.03	-11.02	13.9	13.9	-34.19	NO CHANGE
PHL0707R	3/30/23 10:13	50.1	40.5	0.0	9.4	124.8	124.9	-11.16	-11.16	14.3	14.3	-33.60	
PHL0707R	4/24/23 10:15	47.4	38.2	0.4	14.0	128.0	128.0	-9.57	-9.53	12.6	13.2	-32.81	
PHL0707R	4/24/23 10:16	49.5	40.2	0.0	10.3	127.8	127.9	-9.43	-9.42	12.4	12.6	-31.92	SECOND READING
PHL0707R	5/1/23 12:58	49.8	39.4	0.0	10.8	128.0	128.0	-9.19	-9.17	12.6	12.5	-32.14	
PHL0707R	6/12/23 14:22	46.6	37.8	0.7	14.9	128.8	128.8	-5.44	-5.41	10.1	9.6	-33.74	
PHL0707R	7/17/23 13:33	49.7	41.9	0.0	8.4	129.3	129.4	-4.47	-4.46	8.9	8.9	-29.52	
PHL0708R	2/20/23 11:05	51.2	39.9	0.0	8.9	106.8	106.9	-12.02	-12.00	7.3	8.4	-21.12	NO CHANGE
PHL0708R	3/13/23 12:37	47.0	41.6	0.0	11.4	107.7	107.8	-14.70	-14.71	7.7	7.9	-21.11	
PHL0708R	4/5/23 11:21	43.8	39.5	0.0	16.7	102.9	100.5	-5.50	-2.81	4.7	2.5	-22.58	DECREASED FLOW/VACUUM
PHL0708R	5/1/23 12:40	53.0	46.9	0.1	0.0	81.7	81.9	-0.87	-0.85	0.0	0.0	-19.30	
PHL0708R	6/19/23 10:18	52.0	47.4	0.0	0.6	98.6	98.6	-0.48	-0.45	0.0	0.0	-21.21	
PHL0708R	7/17/23 12:07	51.8	47.6	0.1	0.5	110.7	112.9	-0.40	-1.01	1.2	3.3	-22.93	INCREASED FLOW/VACUUM
PHLFEW02	2/20/23 12:57	52.5	35.1	0.0	12.4	79.0	79.1	-3.06	-3.08	5.5	5.4	-35.72	NO CHANGE
PHLFEW02	3/29/23 10:22	52.9	37.3	0.0	9.8	69.2	69.2	-3.82	-3.83	6.7	6.7	-37.87	NO CHANGE
PHLFEW02	4/10/23 9:54	51.8	36.5	0.1	11.6	79.2	79.2	-4.29	-4.27	6.5	6.5	-38.38	
PHLFEW02	5/8/23 9:55	48.8	35.6	0.0	15.6	77.2	77.2	-2.98	-2.93	6.7	6.7	-38.36	
PHLFEW02	6/19/23 16:04	50.6	34.9	0.3	14.2	81.0	81.0	-2.18	-2.19	6.7	6.7	-38.21	
PHLFEW02	7/18/23 13:22	52.8	35.1	0.4	11.7	82.4	82.1	-1.60	-1.57	6.5	6.5	-34.59	
PHLFEW03	2/20/23 13:05	55.6	35.1	0.0	9.3	75.5	75.5	-3.14	-3.11	3.6	3.7	-35.61	NO CHANGE
PHLFEW03	3/29/23 10:20	58.2	38.1	0.0	3.7	60.3	60.4	-3.95	-3.95	3.7	3.7	-37.86	NO CHANGE
PHLFEW03	4/10/23 9:50	56.4	37.4	0.0	6.2	72.1	72.1	-4.47	-4.44	3.2	3.3	-38.17	
PHLFEW03	5/8/23 9:52	61.4	38.4	0.2	0.0	68.9	69.0	-2.21	-2.21	3.1	3.1	-38.42	
PHLFEW03	6/19/23 16:06	59.3	37.1	0.2	3.4	79.1	79.1	-1.84	-1.84	4.0	4.0	-38.38	
PHLFEW03	7/18/23 13:24	58.1	36.6	0.3	5.0	80.2	80.0	-1.03	-1.02	3.6	3.7	-35.29	
PHLFEW04	2/20/23 12:45	60.8	24.3	0.0	14.9	72.4	72.4	-3.32	-3.33	4.3	4.3	-36.20	
PHLFEW04	3/29/23 10:17	55.5	30.5	0.0	14.0	55.7	55.8	-10.02	-10.02	2.7	2.7	-29.39	NO CHANGE
PHLFEW04	4/10/23 9:44	42.1	28.0	0.1	29.8	73.2	73.2	-11.89	-10.46	2.6	2.6	-38.05	
PHLFEW04	5/8/23 9:49	26.4	24.2	0.2	49.2	67.3	67.4	-7.86	-7.84	2.2	2.3	-37.47	
PHLFEW04	6/19/23 16:08	17.0	20.4	1.2	61.4	78.8	78.8	-5.77	-5.76	2.1	2.1	-37.70	
PHLFEW04	7/18/23 13:27	17.8	21.9	0.8	59.5	81.8	81.8	-7.08	-7.07	2.6	2.6	-35.15	
PHLEW05D	2/21/23 9:32	54.0	40.2	1.4	4.4	56.0	56.0	-37.20	-37.20	0.2	0.2	-37.21	
PHLEW05D	3/29/23 10:03	46.5	35.6	3.7	14.2	45.6	45.6	-36.98	-36.98	0.5	0.5	-36.98	NO CHANGE
PHLEW05D	4/10/23 11:11	45.8	35.3	3.1	15.8	86.0	86.0	-37.62	-37.59	0.0	0.0	-37.51	
PHLEW05D	5/8/23 11:10	58.1	40.3	0.9	0.7	65.2	65.2	-36.04	-36.03	0.0	0.0	-36.02	
PHLEW05D	6/19/23 13:47	42.4	33.2	5.0	19.4	74.3	74.4	-39.28	-39.22	0.0	0.0	-39.21	
PHLEW05D	7/25/23 7:45	50.3	37.4	3.0	9.3	69.2	69.1	-37.82	-37.81	0.0	0.0	-37.81	
PHLEW05S	2/21/23 9:33	57.8	42.2	0.0	0.0	96.0	96.2	-1.58	-1.55	18.3	18.3	-38.11	INCREASED FLOW/VACUUM
PHLEW05S	3/29/23 10:04	46.0	37.4	0.0	16.6	93.5	93.5	-4.96	-4.96	17.0	17.0	-38.42	NO CHANGE
PHLEW05S	4/10/23 11:07	40.7	34.6	0.0	24.7	98.9	98.9	-4.73	-4.71	15.1	15.2	-39.06	
PHLEW05S	5/8/23 11:12	37.2	32.8	0.1	29.9	67.0	67.0	-4.61	-4.54	13.3	15.6	-39.20	
PHLEW05S	6/19/23 13:50	32.3	30.0	0.4	37.3	98.2	98.2	-3.06	-2.98	11.0	12.1	-33.81	
PHLEW05S	7/25/23 7:46	28.2	28.7	1.1	42.0	97.6	97.7	-2.36	-2.35	10.1	10.1	-38.37	
PHL0603R	2/14/23 9:52	54.9	42.0	0.0	3.1	85.5	85.7	-22.21	-22.23	3.3	3.3	-22.23	NO CHANGE
PHL0603R	3/29/23 13:38	57.4	41.8	0.0	0.8	71.7	71.7	-34.95	-34.93	3.2	3.2	-34.48	NO CHANGE
PHL0603R	4/17/23 12:16	55.1	40.8	0.0	4.1	87.7	87.9	-34.15	-34.16	5.7	5.8	-34.15	VALVE FULL OPEN
PHL0603R	5/8/23 10:24	52.3	40.9	0.0	6.8	77.6	77.6	-34.10	-34.09	0.8	3.6	-34.02	VALVE FULL OPEN
PHL0603R	6/12/23 16:16	50.1	39.5	0.2	10.2	70.7	71.2	-34.60	-34.64	0.0	0.0	-34.65	
PHL0603R	6/19/23 12:20	49.8	40.3	0.0	9.9	82.3	82.3	-35.22	-35.19	7.8	7.0	-34.75	VALVE FULL OPEN
PHL0603R	7/18/23 15:31	49.8	38.4	0.3	11.5	95.3	95.0	-32.87	-32.85	2.4	2.0	-32.85	
PHL0604D	2/14/23 10:35	22.9	18.5	12.6	46.0	54.2	54.2	-21.75	-21.74	0.0	0.0	-21.75	NO CHANGE
PHL0604D	2/14/23 10:38	17.6	14.6	15.7	52.1	54.1	54.1	-21.46	-21.47	0.0	0.0	-21.47	SECOND READING
PHL0604D	2/20/23 11:31	28.2	22.4	9.9	39.5	72.5	72.5	-34.70	-34.73	0.4	0.5	-34.47	MINIMAL VACUUM SETTING
PHL0604D	3/13/23 11:21	24.9	17.3	10.6	47.2	60.6	60.6	-34.18	-34.17	0.9	0.8	-34.15	MINIMAL VACUUM SETTING
PHL0604D	3/13/23 11:22	22.3	16.9	11.9	48.9	60.4	60.4	-34.21	-34.22	0.5	0.0	-34.26	MINIMAL VACUUM SETTING
PHL0604D	4/17/23 11:58	36.8	28.4	6.7	28.1	55.1	55.2	-29.18	-30.60	1.5	1.1	-34.58	MINIMAL VACUUM SETTING
PHL0604D	4/17/23 11:58	36.8	28.4	6.7	28.1	55.1	55.2	-29.18	-30.60	1.5	1.1	-34.58	
PHL0604D	4/17/23 11:59	29.4	22.3	10.7	37.6	55.0	55.0	-33.91	-33.95	0.2	0.2	-33.95	MINIMAL VACUUM SETTING
PHL0604D	5/15/23 9:44	42.9	31.8	4.8	20.5	64.0	64.1	-30.71	-31.69	1.2	1.2	-34.02	MINIMAL VACUUM SETTING
PHL0604D	6/7/23 13:00	44.8	32.6	4.8	17.8	67.1	67.2	-33.80	-33.79	0.0	0.0	-33.79	MINIMAL VACUUM SETTING

Potrero Hills Landfill - Well Data - 02/01/2023 to 07/31/2023

Point Name	Record Date	CH4 [%]	CO2 [%]	O2 [%]	Bal Gas [%]	Init Temp [°F]	Adj Temp [°F]	Init Stat Press ["H2O]	Adj Stat Press ["H2O]	Init Flow [scfm]	Adj Flow [scfm]	Sys Pressure ["H2O]	Comments
PHL0604D	7/17/23 15:19	35.6	25.5	8.5	30.4	92.8	92.9	-29.12	-29.10	0.4	0.4	-29.58	NO CHANGE,MINIMAL VACUUM SETTING
PHL0604D	7/17/23 15:20	32.7	23.3	8.6	35.4	93.6	93.6	-29.07	-29.07	0.4	0.4	-29.07	SECOND READING
PHL0604S	2/14/23 10:32	54.4	41.7	0.2	3.7	76.0	76.2	-21.47	-21.46	0.5	0.5	-21.46	NO CHANGE
PHL0604S	3/13/23 11:24	57.5	42.5	0.1		64.0	64.0	-34.28	-34.26	0.6	0.6	-34.24	
PHL0604S	4/17/23 12:01	54.8	41.3	0.2	3.7	57.4	57.3	-34.14	-34.11	0.6	0.6	-34.08	
PHL0604S	5/15/23 9:46	43.6	40.9	0.4	15.1	69.8	69.8	-33.31	-33.31	0.5	0.5	-33.30	MINIMAL VACUUM SETTING
PHL0604S	6/7/23 13:03	40.9	42.1	0.0	17.0	74.2	74.3	-32.98	-32.94	0.7	0.6	-32.93	
PHL0604S	7/17/23 15:23	43.4	38.9	0.0	17.7	95.9	96.1	-28.97	-28.97	0.5	0.5	-28.63	NO CHANGE
PHEW0608	2/20/23 12:53	56.3	38.7	0.0	5.0	118.4	118.5	-27.91	-31.38	44.0	51.4	-36.97	INCREASED FLOW/VACUUM
PHEW0608	3/29/23 9:52	54.2	39.7	0.0	6.1	117.1	117.1	-33.77	-33.76	45.8	45.8	-37.67	NO CHANGE
PHEW0608	4/10/23 11:22	50.8	38.2	0.2	10.8	118.9	118.9	-33.67	-33.67	42.3	42.4	-37.67	
PHEW0608	5/8/23 11:00	53.7	39.3	0.1	6.9	69.8	69.7	-34.30	-34.26	47.3	47.4	-38.14	
PHEW0608	6/19/23 13:35	49.5	38.5	0.2	11.8	120.1	120.1	-34.26	-34.27	44.3	44.3	-34.27	
PHEW0608	7/18/23 13:30	49.1	37.6	0.4	12.9	118.4	118.6	-30.90	-30.90	42.4	42.4	-35.00	
PHLEW06D	2/21/23 9:37	55.4	44.4	0.2	0.0	56.6	56.6	-37.61	-37.60	0.6	0.6	-37.33	
PHLEW06D	3/29/23 9:55	57.9	42.1	0.0	0.0	44.8	44.8	-37.96	-37.97	0.0	0.0	-37.97	NO CHANGE
PHLEW06D	4/10/23 11:16	53.8	40.6	0.4	5.2	82.4	82.2	-38.62	-38.58	0.0	0.0	-38.37	
PHLEW06D	5/8/23 11:06	57.0	42.6	0.5		61.4	61.4	-39.06	-39.04	0.0	0.0	-39.00	
PHLEW06D	6/19/23 13:39	56.2	41.8	0.8	1.2	75.7	75.7	-38.91	-38.92	0.0	0.0	-38.92	
PHLEW06D	7/18/23 13:34	55.3	41.2	0.5	3.0	82.3	82.4	-35.63	-35.64	0.0	0.0	-35.65	
PHLEW06S	2/21/23 9:39	56.6	39.7	0.0	3.7	100.4	100.6	-0.28	-0.28	10.0	10.0	-37.84	INCREASED FLOW/VACUUM
PHLEW06S	3/29/23 9:57	39.5	34.4	0.0	26.1	96.2	96.2	-3.10	-3.10	10.3	10.3	-38.63	NO CHANGE
PHLEW06S	4/10/23 11:18	37.0	31.5	0.0	31.5	104.5	104.6	-3.02	-2.98	9.9	10.1	-38.61	
PHLEW06S	5/8/23 11:03	37.6	32.7	0.1	29.6	101.8	102.8	-2.72	-2.71	10.2	10.2	-39.32	
PHLEW06S	6/19/23 13:41	35.4	32.7	0.1	31.8	106.6	106.6	-2.15	-2.09	10.1	10.1	-38.65	
PHLEW06S	7/18/23 13:36	33.3	30.0	0.6	36.1	105.5	105.7	-1.32	-1.33	9.7	9.7	-35.88	
PHEW0714	2/20/23 9:53	54.2	44.9	0.0	0.9	83.2	83.4	-29.09	-29.12	2.2	2.2	-30.13	NO CHANGE
PHEW0714	3/30/23 10:27	54.0	46.0	0.0	0.0	84.2	84.3	-32.84	-32.83	2.2	2.2	-32.83	VALVE FULL OPEN
PHEW0714	4/24/23 9:12	54.8	44.8	0.4	0.0	93.8	94.0	-30.54	-30.58	2.3	1.4	-31.54	
PHEW0714	5/1/23 12:30	57.3	42.3	0.5		93.9	94.3	-30.73	-30.78	2.4	2.2	-32.36	
PHEW0714	5/15/23 14:39	55.1	43.9	1.0	0.0	105.3	105.5	-28.85	-28.88	2.4	1.7	-29.27	
PHEW0714	5/22/23 10:49	54.6	45.4	0.0	0.0	107.9	108.0	-31.91	-31.89	2.3	1.7	-33.42	VALVE FULL OPEN
PHEW0714	6/7/23 16:17	53.3	42.6	1.9	2.2	111.4	111.6	-28.21	-28.22	2.6	3.2	-28.21	
PHEW0714	7/17/23 12:34	52.8	44.9	0.0	2.3	115.1	115.1	-28.56	-28.55	1.6	2.3	-28.55	VALVE FULL OPEN
PHL0715R	2/20/23 9:04	47.7	43.2	2.5	6.6	73.5	73.1	-35.28	-36.19	0.0	8.9	-36.86	NO CHANGE
PHL0715R	2/21/23 11:13	50.7	49.0	0.3	0.0	76.2	76.3	-34.76	-34.78	3.7	3.7	-34.78	VALVE FULL OPEN
PHL0715R	3/13/23 13:53	51.7	48.2	0.0	0.1	74.4	74.1	-29.34	-29.32	0.0	0.0	-29.31	
PHL0715R	4/24/23 8:46	49.2	44.4	2.4	4.0	76.3	78.1	-27.49	-28.16	1.5	2.4	-28.10	
PHL0715R	5/1/23 11:30	44.0	41.9	2.3	11.8	79.9	80.1	-26.70	-26.78	6.8	0.0	-26.81	
PHL0715R	6/7/23 13:37	43.0	43.0	1.7	12.3	98.0	98.0	-28.28	-29.53	6.4	10.1	-28.19	
PHL0715R	7/17/23 11:39	47.6	47.1	0.7	4.6	111.9	111.7	-29.43	-29.45	0.0	0.0	-29.45	
PHL0716R	2/6/23 11:14	59.8	39.0	0.0	1.2	108.7	108.7	-5.08	-5.08	0.0	0.0	-5.08	NO CHANGE
PHL0716R	3/29/23 14:02	60.4	39.6	0.0	0.0	99.0	99.1	-3.85	-3.85	3.7	3.2	-39.36	NO CHANGE
PHL0716R	4/24/23 12:51	56.3	37.4	0.8	5.5	111.0	111.1	-4.15	-4.12	7.3	7.9	-39.94	
PHL0716R	5/22/23 10:21	60.2	39.8	0.0	0.0	107.3	107.4	-4.55	-10.38	9.7	31.4	-39.26	INCREASED FLOW/VACUUM
PHL0716R	6/28/23 16:09	45.9	36.4	1.0	16.7	110.4	110.4	-14.04	-13.99	25.4	25.6	-39.12	
PHL0716R	7/25/23 8:06	56.4	34.1	0.3	9.2	88.4	96.2	-13.75	-13.75	24.6	25.7	-37.72	
PHEW0720	2/21/23 9:52	58.5	41.1	0.0	0.4	103.9	106.2	-25.82	-26.26	12.4	9.3	-37.42	INCREASED FLOW/VACUUM
PHEW0720	3/29/23 9:34	49.4	38.8	0.0	11.8	105.1	105.2	-36.51	-36.50	0.0	0.0	-36.51	NO CHANGE
PHEW0720	4/5/23 10:57	48.3	38.4	0.0	13.3	109.3	110.3	-34.21	-33.57	2.8	10.4	-37.43	
PHEW0720	5/22/23 10:15	52.0	37.4	0.0	10.6	105.4	105.0	-34.38	-35.24	27.7	22.3	-38.15	
PHEW0720	6/19/23 13:19	53.8	36.5	0.7	9.0	117.7	117.7	-36.42	-36.40	0.0	0.0	-36.41	
PHEW0720	7/25/23 7:41	47.7	35.3	1.2	15.8	116.4	116.5	-33.97	-34.00	0.0	0.0	-34.00	
PHL0721D	2/21/23 9:46	50.9	36.4	2.5	10.2	57.5	57.5	-36.37	-36.37	1.0	1.3	-36.36	
PHL0721D	3/29/23 9:43	25.1	23.1	10.3	41.5	44.0	43.9	-36.97	-36.96	0.0	0.0	-36.96	DECREASED FLOW/VACUUM
PHL0721D	3/29/23 9:44	33.2	27.1	8.2	31.5	44.0	43.9	-36.82	-36.84	0.0	0.0	-36.85	SECOND READING
PHL0721D	4/5/23 10:46	56.8	39.8	0.8	2.6	62.0	62.6	-36.35	-36.82	0.3	0.3	-36.82	
PHL0721D	5/8/23 10:51	29.0	24.0	8.6	38.4	65.7	65.9	-36.70	-36.66	0.0	0.0	-36.66	
PHL0721D	5/8/23 10:52	51.8	35.7	2.3	10.2	68.8	69.0	-36.79	-36.75	0.0	0.0	-36.75	SECOND READING
PHL0721D	6/19/23 13:26	57.9	41.3	0.6	0.2	79.9	79.9	-37.55	-37.43	0.3	1.1	-37.41	
PHL0721D	7/25/23 7:34	57.5	41.3	1.1	0.1	70.3	70.3	-35.85	-35.84	1.7	1.5	-35.84	
PHL0721S	2/21/23 9:48	60.2	39.6	0.1	0.1	57.0	56.7	-27.67	-25.29	0.7	0.6	-36.40	
PHL0721S	3/29/23 9:46	61.6	38.4	0.0	0.0	50.6	50.6	-36.96	-36.95	0.0	0.0	-36.37	NO CHANGE
PHL0721S	4/5/23 10:48	61.3	38.7	0.0	0.0	60.7	60.7	-37.07	-37.07	1.0	1.0	-37.06	
PHL0721S	5/8/23 10:54	59.7	40.1	0.1	0.1	70.2	70.1	-36.86	-36.82	0.0	0.0	-36.81	
PHL0721S	6/19/23 13:28	59.7	40.0	0.3	0.0	89.1	89.1	-37.21	-37.17	0.0	0.0	-37.14	
PHL0721S	7/25/23 7:35	58.7	40.4	0.7	0.2	85.5	85.7	-35.39	-35.38	1.9	1.9	-35.37	
PHEW0801	2/20/23 12:31	52.6	36.5	0.0	10.9	83.6	83.6	-36.15	-36.12	37.1	36.1	-36.11	NO CHANGE
PHEW0801	3/29/23 10:43	54.9	37.6	0.0	7.5	81.9	81.9	-35.99	-35.99	42.0	42.0	-35.99	NO CHANGE
PHEW0801	4/10/23 10:14	52.2	35.7	0.6	11.5	83.9	83.9	-36.55	-36.52	40.7	42.0	-38.46	
PHEW0801	5/8/23 10:12	56.6	37.8	0.2	5.4	83.8	83.8	-36.47	-36.45	43.8	43.8	-38.68	
PHEW0801	6/19/23 15:48	54.0	35.5	0.6	9.9	84.8	84.8	-36.24	-36.22	43.2	43.2	-36.22	
PHEW0801	7/18/23 13:03	58.2	38.0	0.3	3.5	84.2	84.2	-33.01	-33.02	44.6	44.6	-35.12	
PHEW0904	2/20/23 10:41	47.4	32.7	3.3	16.6	63.9	63.9	-20.68	-20.69	0.6	0.6	-22.10	
PHEW0904	3/30/23 9:16	52.9	36.3	1.8	9.0	58.0	58.1	-19.40	-19.43	0.9	0.9	-19.45	
PHEW0904	4/24/23 11:19	34.8	24.0	7.4	33.8	73.4	73.4	-15.54	-20.30	1.0	1.9	-22.70	
PHEW0904	4/24/23 11:20	38.6	26.6	5.9	28.9	73.7	73.6	-16.85	-23.36	1.2	2.0	-23.36	
PHEW0904	5/1/23 10:36	39.0	27.2	6.6	27.2	59.8	59.8	-20.68	-23.25	1.0	2.1	-28.26	

Potrero Hills Landfill - Well Data - 02/01/2023 to 07/31/2023

Point Name	Record Date	CH4 [%]	CO2 [%]	O2 [%]	Bal Gas [%]	Init Temp [°F]	Adj Temp [°F]	Init Stat Press ["H2O]	Adj Stat Press ["H2O]	Init Flow [scfm]	Adj Flow [scfm]	Sys Pressure ["H2O]	Comments
PHEW0904	6/28/23 16:52	57.4	39.1	1.6	1.9	82.5	82.7	-32.33	-32.31	0.9	0.0	-32.31	
PHEW0904	7/10/23 9:49	58.3	41.7	0.0	0.0	72.7	73.2	-31.13	-31.96	0.0	0.6	-31.94	
PHLF1001	2/6/23 10:06	57.7	41.6	0.0	0.7	135.9	135.9	-19.65	-19.67	27.9	25.9	-21.31	DECREASED FLOW/VACUUM
PHLF1001	2/6/23 10:07	57.6	41.9	0.0	0.5	135.9	135.9	-19.60	-19.58	27.5	26.1	-21.67	SECOND READING
PHLF1001	3/13/23 13:19	55.4	44.6	0.0	0.0	131.8	131.9	-3.29	-3.28	3.8	4.2	-3.17	
PHLF1001	3/13/23 13:20	55.1	44.9	0.0	0.0	131.9	131.9	-3.04	-3.04	5.1	5.3	-2.92	
PHLF1001	4/24/23 13:28	56.1	41.9	0.0	2.0	137.6	137.7	-21.56	-22.23	0.0	33.7	-16.36	
PHLF1001	4/24/23 13:28	54.3	41.4	0.2	4.1	137.6	137.6	-16.81	-22.50	30.0	36.4	-15.63	
PHLF1001	4/24/23 13:28	54.3	41.4	0.2	4.1	137.6	137.6	-16.81	-22.50	30.0	36.4	-15.63	
PHLF1001	5/15/23 13:52	54.5	39.8	0.4	5.3	133.0	131.7	-25.53	-29.42	11.2	16.5	-29.42	
PHLF1001	6/28/23 16:38	53.8	40.2	1.5	4.5	134.3	134.6	-32.32	-32.29	9.5	2.6	-31.32	
PHLF1001	6/28/23 16:39	54.8	41.8	0.4	3.0	133.3	133.7	-32.36	-32.35	16.2	0.0	-32.34	SECOND READING
PHLF1001	7/25/23 9:56	55.9	41.7	0.4	2.0	98.8	99.2	-31.66	-31.69	0.0	0.0	-27.30	
PHL1104R	2/6/23 9:31	57.2	42.3	0.2	0.3	124.4	124.6	-15.77	-15.78	17.6	18.0	-15.78	NO CHANGE
PHL1104R	3/13/23 13:24	55.2	44.8	0.0	0.0	116.7	116.7	-2.45	-2.45	3.9	3.9	-2.46	
PHL1104R	4/24/23 13:38	53.9	38.0	1.0	7.1	91.6	91.5	-16.13	-15.29	27.8	8.7	-15.29	
PHL1104R	4/24/23 13:38	53.9	38.0	1.0	7.1	91.6	91.5	-16.13	-15.29	27.8	8.7	-15.29	
PHL1104R	5/15/23 13:22	59.1	39.4	1.5	0.0	125.5	125.6	-18.29	-18.31	22.3	16.2	-17.86	
PHL1104R	6/28/23 16:42	54.0	42.1	0.7	3.2	124.9	125.0	-22.56	-22.56	19.1	19.5	-22.56	
PHL1104R	7/25/23 10:12	54.0	42.5	0.4	3.1	87.1	87.1	-25.08	-25.08	22.2	22.2	-25.09	
PHLEW11R	2/20/23 12:28	59.1	38.5	0.0	2.4	76.4	76.5	-36.66	-36.65	7.1	7.1	-36.65	NO CHANGE
PHLEW11R	3/29/23 10:52	60.0	40.0	0.0	0.0	69.3	69.4	-36.46	-36.46	9.3	9.0	-36.46	NO CHANGE
PHLEW11R	4/10/23 9:25	59.3	39.0	0.7	1.0	76.8	76.8	-37.33	-37.32	8.7	8.8	-38.85	
PHLEW11R	5/8/23 9:03	60.1	39.6	0.3	0.0	75.6	75.6	-37.33	-36.93	9.0	9.5	-38.53	
PHLEW11R	6/28/23 15:52	57.9	38.5	0.9	2.7	82.3	82.3	-38.64	-38.64	5.8	5.8	-39.18	
PHLEW11R	7/18/23 12:57	59.6	40.2	0.2	0.0	81.0	81.0	-34.62	-34.61	6.6	7.2	-35.14	
PHEW1304	2/6/23 9:57	13.9	18.9	4.9	62.3	56.1	56.2	-35.13	-35.11	1.2	1.2	-35.11	
PHEW1304	3/30/23 9:41	7.9	13.5	10.8	67.8	50.6	50.7	-33.36	-33.34	0.0	0.0	-33.34	MINIMAL VACUUM SETTING
PHEW1304	3/30/23 9:42	8.3	14.3	10.5	66.9	52.7	52.9	-33.08	-33.09	0.6	0.6	-33.09	MINIMAL VACUUM SETTING
PHEW1304	4/5/23 12:45	10.2	14.0	9.9	65.9	67.4	67.3	-32.73	-32.74	2.9	0.9	-33.19	
PHEW1304	5/15/23 13:27	13.8	17.4	6.6	62.2	81.0	81.2	-27.14	-27.86	1.6	1.5	-27.89	
PHEW1304	5/15/23 13:29	11.5	14.1	9.0	65.4	79.5	79.4	-33.17	-33.15	0.0	0.0	-33.14	
PHEW1304	6/19/23 10:42	1.9	5.6	15.4	77.1	72.4	72.5	-33.37	-32.40	1.3	1.1	-32.00	
PHEW1304	6/19/23 10:43	1.9	5.4	15.5	77.2	72.5	72.5	-32.67	-32.08	0.0	0.0	-32.08	
PHEW1304	7/17/23 12:02	1.2	4.9	14.9	79.0	89.3	89.4	-32.63	-32.64	0.6	0.7	-32.67	NO CHANGE,MINIMAL VACUUM SETTING
PHEW1304	7/17/23 12:04	1.5	5.1	14.7	78.7	90.2	89.5	-32.78	-32.73	0.8	0.8	-32.40	NO CHANGE,SECOND READING
PHEW1305	2/6/23 9:46	59.2	40.7	0.0	0.1	57.9	58.0	-35.72	-35.52	1.3	0.9	-34.36	
PHEW1305	3/30/23 8:55	60.4	39.6	0.0	0.0	66.3	66.3	-32.04	-32.03	6.3	4.6	-32.03	VALVE FULL OPEN
PHEW1305	4/5/23 12:39	60.8	39.2	0.0	0.0	79.9	80.1	-31.74	-30.54	6.0	6.0	-32.26	VALVE FULL OPEN
PHEW1305	5/15/23 13:14	43.1	28.8	4.9	23.2	88.5	88.4	-32.94	-32.96	1.0	0.7	-32.97	
PHEW1305	6/19/23 10:35	45.3	31.4	4.4	18.9	88.7	88.5	-33.77	-33.82	5.1	0.0	-33.82	
PHEW1305	7/17/23 11:46	46.6	32.1	3.6	17.7	98.7	98.8	-33.06	-32.83	0.0	0.0	-32.82	NO CHANGE
PHEW1306	2/6/23 9:39	58.9	39.1	1.2	0.8	66.1	66.1	-35.55	-35.06	0.5	0.5	-35.64	VALVE FULL OPEN
PHEW1306	3/30/23 8:49	59.9	40.0	0.1	0.0	61.7	61.7	-33.48	-33.95	0.4	0.0	-33.11	VALVE FULL OPEN
PHEW1306	4/5/23 12:33	59.6	40.4	0.0	0.0	72.0	71.6	-32.82	-32.65	0.2	0.0	-32.47	VALVE FULL OPEN
PHEW1306	5/15/23 13:07	58.9	39.4	0.1	1.6	81.7	81.8	-30.26	-30.29	0.2	0.7	-30.31	VALVE FULL OPEN
PHEW1306	6/19/23 10:29	54.4	38.6	0.6	6.4	84.1	84.1	-33.95	-33.43	0.3	0.6	-34.32	VALVE FULL OPEN
PHEW1306	7/17/23 11:35	50.4	36.0	1.1	12.5	94.8	94.9	-33.13	-33.11	0.6	0.6	-33.18	NO CHANGE,VALVE FULL OPEN
PHEW1402	2/14/23 10:22	55.9	40.5	0.0	3.6	106.0	110.3	-0.17	-0.26	6.2	7.8	-22.04	INCREASED FLOW/VACUUM
PHEW1402	3/13/23 10:39	56.2	40.6	0.0	3.2	107.6	110.5	-0.56	-0.75	5.6	14.5	-35.24	INCREASED FLOW/VACUUM
PHEW1402	4/17/23 12:13	45.1	36.3	0.0	18.6	113.4	113.5	-1.55	-1.56	16.4	16.4	-34.72	
PHEW1402	5/8/23 10:20	27.0	29.3	0.0	43.7	110.5	108.2	-2.60	-2.27	15.7	6.8	-34.02	DECREASED FLOW/VACUUM
PHEW1402	6/7/23 13:12	30.4	29.9	0.0	39.7	108.2	108.2	-1.47	-1.47	7.0	7.0	-34.23	
PHEW1402	7/18/23 15:34	30.1	30.4	0.1	39.4	94.6	94.6	-0.70	-0.70	6.8	6.8	-32.71	
PHEW1404	2/14/23 10:42	56.5	42.8	0.0	0.7	123.5	123.6	-0.37	-0.42	0.0	0.0	-22.08	INCREASED FLOW/VACUUM
PHEW1404	3/13/23 10:55	51.2	48.8	0.0	0.0	123.9	123.9	-0.77	-0.79	0.0	0.0	-35.88	
PHEW1404	4/24/23 12:28	58.1	40.0	0.5	1.4	128.3	128.2	-1.24	-1.20	0.0	0.0	-36.75	
PHEW1404	4/24/23 12:28	58.1	40.0	0.5	1.4	128.3	128.2	-1.24	-1.20	0.0	0.0	-36.75	
PHEW1404	5/1/23 11:28	58.0	41.8	0.0	0.2	123.6	123.7	-1.11	-1.73	0.0	7.1	-36.31	INCREASED FLOW/VACUUM
PHEW1404	6/19/23 10:40	42.5	36.4	0.1	21.0	126.2	126.2	-3.77	-3.70	8.3	9.0	-33.09	
PHEW1404	7/25/23 8:16	43.6	36.9	1.3	18.2	123.6	123.7	-3.17	-3.16	9.0	9.0	-35.39	
PHEW1405	2/14/23 12:56	56.5	43.5	0.0	0.0	116.7	116.7	-0.93	-0.93	25.7	25.6	-20.30	
PHEW1405	3/13/23 11:55	56.4	43.6	0.0	0.0	116.1	117.1	-2.90	-3.67	30.5	39.1	-33.43	INCREASED FLOW/VACUUM
PHEW1405	4/17/23 11:33	57.6	42.4	0.0	0.0	116.7	117.0	-4.60	-6.90	40.0	56.3	-34.16	INCREASED FLOW/VACUUM
PHEW1405	5/15/23 10:13	51.4	41.2	0.0	7.4	118.4	118.4	-9.56	-11.61	50.2	65.7	-31.66	INCREASED FLOW/VACUUM
PHEW1405	6/7/23 12:51	47.9	38.3	0.0	13.8	117.8	117.9	-12.98	-12.57	63.2	59.0	-33.55	
PHEW1405	7/18/23 15:44	45.3	37.0	0.2	17.5	119.6	119.9	-12.52	-12.50	60.9	63.8	-32.74	
PHEW1406	2/21/23 9:42	58.4	40.2	0.0	1.4	120.4	120.7	-5.09	-5.99	33.6	40.0	-36.35	INCREASED FLOW/VACUUM
PHEW1406	3/29/23 9:39	56.8	39.9	0.1	3.2	118.0	118.0	-7.70	-7.69	38.4	38.4	-37.39	NO CHANGE
PHEW1406	4/5/23 10:51	57.4	40.7	0.3	1.6	119.4	119.4	-7.90	-7.89	36.9	36.8	-37.08	
PHEW1406	5/8/23 10:47	56.4	39.6	0.3	3.7	123.2	123.2	-8.73	-8.72	39.5	39.5	-36.60	
PHEW1406	6/19/23 13:23	56.4	40.0	0.2	3.4	124.2	124.2	-9.44	-9.36	38.7	38.6	-37.38	
PHEW1406	7/25/23 7:38	53.8	39.6	0.5	6.1	123.0	123.2	-9.24	-9.19	37.5	38.8	-34.87	
PHEW1426	2/20/23 10:23	58.6	41.3	0.1	0.0	100.7	100.7	-8.43	-9.75	51.2	67.8	-34.57	INCREASED FLOW/VACUUM
PHEW1426	3/30/23 9:03	55.2	40.3	0.0	4.5	99.1	99.1	-11.64	-13.49	64.3	79.9	-36.00	INCREASED FLOW/VACUUM
PHEW1426	4/24/23 11:09	50.7	37.1	0.1	12.1	101.9	101.9	-15.09	-15.09	76.9	76.9	-35.38	
PHEW1426	5/15/23 13:48	49.5	37.5	0.0	13.0	100.8	100.8	-14.96	-14.96	76.3	76.3	-35.41	
PHEW1426	6/19/23 11:04	47.1	37.1	0.2	15.6	101.6	101.6	-15.35	-14.13	77.2	67.0	-36.24	DECREASED FLOW/VACUUM

Potrero Hills Landfill - Well Data - 02/01/2023 to 07/31/2023

Point Name	Record Date	CH4 [%]	CO2 [%]	O2 [%]	Bal Gas [%]	Init Temp [°F]	Adj Temp [°F]	Init Stat Press ["H2O]	Adj Stat Press ["H2O]	Init Flow [scfm]	Adj Flow [scfm]	Sys Pressure ["H2O]	Comments
PHEW1426	7/10/23 9:31	49.5	38.3	0.1	12.1	101.1	101.1	-12.79	-12.78	68.7	68.0	-36.28	
PHEW1426	7/17/23 11:06	50.5	38.6	0.0	10.9	104.4	104.4	-12.55	-12.55	65.9	65.4	-35.37	NO CHANGE
PHEW1428	2/6/23 9:52	47.7	43.7	0.3	8.3	109.9	110.1	-22.03	-21.24	3.3	3.3	-27.83	NO CHANGE
PHEW1428	3/13/23 13:03	53.0	46.3	0.0	0.7	94.6	98.3	-14.45	-14.43	6.1	5.8	-26.10	VALVE FULL OPEN
PHEW1428	4/24/23 13:09	27.5	23.9	9.0	39.6	110.0	101.9	-16.24	-15.63	4.7	4.8	-26.04	
PHEW1428	4/24/23 13:11	51.9	42.7	0.4	5.0	93.7	93.5	-17.49	-17.56	4.0	3.8	-25.98	SECOND READING
PHEW1428	5/15/23 13:49	54.1	44.1	0.2	1.6	119.2	118.6	-24.25	-23.44	2.5	2.2	-24.73	
PHEW1428	6/28/23 16:29	51.3	41.8	0.8	6.1	117.1	118.2	-26.42	-25.08	2.5	1.4	-28.02	
PHEW1428	7/25/23 10:07	52.1	44.3	0.4	3.2	107.6	108.1	-24.74	-24.31	2.6	2.5	-27.75	
PHEW1429	2/6/23 9:59	22.6	20.4	10.9	46.1	68.6	68.7	-24.24	-23.19	4.2	2.7	-26.70	DECREASED FLOW/VACUUM
PHEW1429	2/6/23 10:00	24.0	20.9	11.2	43.9	68.9	69.4	-22.84	-22.34	3.5	3.6	-25.12	SECOND READING
PHEW1429	2/14/23 10:29	47.4	33.3	3.9	15.4	65.8	73.3	-12.27	-12.31	5.1	5.0	-19.08	
PHEW1429	3/13/23 13:11	53.2	42.8	0.5	3.5	80.6	80.8	-8.98	-8.97	1.9	1.5	-10.29	
PHEW1429	4/24/23 13:18	52.8	40.6	0.7	5.9	96.0	96.7	-24.75	-24.81	2.5	2.7	-26.30	
PHEW1429	4/24/23 13:18	52.8	40.6	0.7	5.9	96.0	96.7	-24.75	-24.81	2.5	2.7	-26.30	
PHEW1429	5/15/23 13:37	56.2	41.2	0.6	2.0	97.8	97.7	-26.02	-26.81	1.3	2.4	-27.90	
PHEW1429	6/28/23 16:34	53.9	42.7	0.4	3.0	107.3	107.4	-25.99	-25.27	1.3	0.9	-25.15	
PHEW1429	7/25/23 10:02	53.0	42.0	1.0	4.0	89.3	89.3	-27.00	-27.02	1.0	0.6	-27.04	
PHEW1434	2/14/23 10:18	57.9	42.1	0.0	0.0	119.9	119.8	-22.92	-22.91	0.0	0.0	-22.91	NO CHANGE
PHEW1434	3/13/23 10:43	51.4	48.6	0.0	0.0	116.0	116.0	-37.16	-37.13	0.0	0.0	-37.80	
PHEW1434	4/24/23 12:41	58.6	41.1	0.1	0.2	121.4	121.4	-37.89	-37.90	0.0	0.0	-38.58	
PHEW1434	4/24/23 12:41	58.6	41.1	0.1	0.2	121.4	121.4	-37.89	-37.90	0.0	0.0	-38.58	
PHEW1434	5/1/23 11:24	57.5	42.5	0.0	0.0	111.1	111.2	-37.55	-37.63	0.5	9.9	-38.65	VALVE FULL OPEN
PHEW1434	6/28/23 16:18	53.1	38.5	1.2	7.2	120.2	120.3	-37.01	-37.03	0.0	0.0	-38.25	
PHEW1434	7/25/23 8:19	52.8	38.1	2.3	6.8	116.4	116.6	-35.40	-35.39	0.0	0.0	-35.40	
PHEW1501	2/14/23 9:54	58.5	38.4	0.0	3.1	112.5	112.5	-2.68	-2.69	17.1	17.2	-22.50	NO CHANGE
PHEW1501	3/29/23 13:33	61.1	38.9	0.0	0.0	112.4	112.4	-3.20	-3.19	22.9	23.0	-35.25	NO CHANGE
PHEW1501	4/17/23 12:27	61.0	37.6	0.0	1.4	114.7	115.1	-3.08	-3.92	21.0	36.2	-34.62	INCREASED FLOW/VACUUM
PHEW1501	5/8/23 10:28	55.1	38.1	0.0	6.8	116.2	116.4	-6.20	-8.27	34.4	48.1	-34.16	INCREASED FLOW/VACUUM
PHEW1501	6/19/23 12:23	48.5	37.0	0.0	14.5	116.6	116.7	-8.93	-8.91	38.5	43.5	-35.43	
PHEW1501	7/18/23 15:27	47.0	35.1	0.3	17.6	117.3	117.4	-7.05	-8.45	40.8	41.0	-31.22	
PHEW1513	2/20/23 11:08	57.7	33.6	0.0	8.7	70.9	70.9	-10.92	-10.93	0.0	0.0	-35.45	NO CHANGE
PHEW1513	3/13/23 12:42	22.8	27.3	0.5	49.4	71.9	71.9	-30.97	-30.98	1.9	1.9	-30.99	
PHEW1513	4/5/23 11:24	20.4	23.9	1.9	53.8	74.0	74.1	-28.14	-28.14	8.4	8.4	-32.14	MINIMAL VACUUM SETTING
PHEW1513	5/15/23 13:59	2.3	5.0	13.8	78.9	81.0	81.0	-1.33	-1.31	0.0	0.0	-1.90	
PHEW1513	5/15/23 14:01	2.8	6.4	14.0	76.8	80.8	80.8	-0.90	-0.91	0.0	0.0	-1.92	SECOND READING
PHEW1513	5/22/23 10:33	3.2	7.9	12.3	76.6	76.9	76.9	-0.78	-0.78	0.0	0.0	-6.39	MINIMAL VACUUM SETTING
PHEW1513	5/22/23 10:38	7.5	16.9	3.0	72.6	82.0	79.5	-6.19	-5.39	0.6	2.2	-5.16	MINIMAL VACUUM SETTING
PHEW1513	6/19/23 10:31	6.0	16.1	4.9	73.0	86.2	86.3	-8.93	-4.56	0.0	0.0	-20.72	
PHEW1513	7/17/23 12:12	1.3	10.3	7.3	81.1	97.4	97.3	-12.63	-12.63	3.2	3.2	-10.41	MINIMAL VACUUM SETTING
PHEW1513	7/17/23 12:13	1.8	10.4	7.4	80.4	96.3	96.3	-11.22	-11.22	3.2	3.2	-11.22	MINIMAL VACUUM SETTING
PHEW1515	2/6/23 11:48	43.0	39.3	0.1	17.6	66.2	66.2	-1.00	-0.98	0.7	0.7	-24.30	MINIMAL VACUUM SETTING
PHEW1515	3/7/23 11:24	39.5	34.3	2.8	23.4	60.1	60.2	-0.52	-0.52	0.5	0.5	-26.75	MINIMAL VACUUM SETTING
PHEW1515	4/5/23 11:46	42.0	36.6	2.4	19.0	68.8	68.7	-0.77	-0.78	0.5	0.5	-26.93	MINIMAL VACUUM SETTING
PHEW1515	5/15/23 11:08	24.7	25.8	4.7	44.8	73.6	73.7	-1.57	-1.57	0.8	0.8	-27.98	MINIMAL VACUUM SETTING
PHEW1515	6/7/23 10:56	23.0	30.2	0.2	46.6	74.9	74.9	-1.89	-1.88	0.6	0.6	-29.54	MINIMAL VACUUM SETTING
PHEW1515	7/17/23 10:30	2.2	17.5	1.2	79.1	90.7	90.6	-2.51	-2.50	0.5	0.5	-28.42	NO CHANGE,MINIMAL VACUUM SETTING
PHEW1517	2/20/23 10:55	51.4	42.1	0.0	6.5	124.5	124.6	-5.10	-5.10	9.0	9.1	-33.90	NO CHANGE
PHEW1517	3/30/23 10:05	51.0	43.4	0.0	5.6	125.3	125.5	-5.51	-5.48	8.8	9.1	-34.18	
PHEW1517	4/24/23 10:08	49.7	40.7	0.2	9.4	128.7	128.7	-5.33	-5.31	11.2	11.1	-33.97	
PHEW1517	4/24/23 10:08	49.7	40.7	0.2	9.4	128.7	128.7	-5.33	-5.31	11.2	11.1	-33.97	
PHEW1517	4/24/23 10:09	46.1	40.4	0.1	13.4	128.4	128.5	-5.28	-5.27	10.5	10.5	-34.55	SECOND READING
PHEW1517	5/1/23 12:51	50.3	41.9	0.0	7.8	128.6	128.6	-4.99	-4.97	10.4	11.7	-32.53	
PHEW1517	6/12/23 14:16	48.5	39.7	0.5	11.3	76.1	76.1	-4.81	-4.80	11.3	11.3	-32.04	
PHEW1517	7/17/23 13:28	47.5	42.2	0.0	10.3	128.6	128.7	-4.23	-3.60	10.2	6.9	-29.59	DECREASED FLOW/VACUUM
PHEW1518	2/6/23 13:12	50.1	45.2	0.0	4.7	123.8	123.8	-18.31	-18.31	50.2	50.2	-33.52	
PHEW1518	3/7/23 12:37	51.9	43.0	0.0	5.1	122.6	122.9	-16.79	-18.24	47.4	60.8	-32.36	INCREASED FLOW/VACUUM
PHEW1518	4/5/23 13:20	51.2	42.0	0.0	6.8	123.4	123.5	-20.03	-20.73	53.6	64.4	-31.66	INCREASED FLOW/VACUUM
PHEW1518	5/15/23 12:52	48.3	40.0	0.0	11.7	123.9	124.1	-21.92	-21.25	58.7	44.9	-32.32	DECREASED FLOW/VACUUM
PHEW1518	6/7/23 11:15	49.5	40.5	0.0	10.0	123.2	123.2	-16.80	-16.80	47.0	47.0	-32.23	
PHEW1518	7/17/23 12:26	50.7	41.1	0.2	8.0	126.6	126.6	-14.10	-14.10	41.4	41.4	-32.44	NO CHANGE
PHEW1520	2/20/23 10:48	48.6	46.6	0.2	4.6	63.5	63.5	-32.85	-32.82	8.5	0.0	-32.82	NO CHANGE
PHEW1520	3/13/23 14:06	42.3	57.6	0.1	0.0	80.9	81.0	-31.65	-31.65	3.5	3.2	-33.54	
PHEW1520	4/24/23 10:21	50.0	48.3	0.5	1.2	97.2	97.4	-32.09	-32.04	0.0	0.0	-34.86	
PHEW1520	5/1/23 12:54	49.6	47.8	0.2	2.4	91.4	92.2	-30.48	-30.72	4.2	5.8	-30.74	
PHEW1520	6/12/23 14:45	47.7	46.9	0.4	5.0	99.3	99.5	-31.79	-31.76	0.0	0.0	-31.75	
PHEW1520	7/17/23 14:01	49.3	50.1	0.0	0.6	114.1	116.5	-28.42	-23.31	0.0	62.9	-30.13	
PHEW1521	2/14/23 12:18	51.0	41.6	0.3	7.1	116.5	116.5	-3.40	-3.40	10.4	10.4	-12.97	
PHEW1521	3/7/23 12:50	45.6	38.8	2.3	13.3	115.7	115.2	-4.36	-3.82	13.2	7.8	-28.24	DECREASED FLOW/VACUUM
PHEW1521	4/17/23 10:35	50.0	42.8	0.1	7.1	101.3	103.9	-0.45	-0.96	3.6	10.0	-9.80	INCREASED FLOW/VACUUM
PHEW1521	5/15/23 11:25	43.3	35.4	3.8	17.5	117.8	115.5	-4.07	-3.05	10.6	4.0	-24.51	DECREASED FLOW/VACUUM
PHEW1521	6/7/23 12:06	44.7	42.3	2.0	11.0	114.1	114.0	-2.52	-2.51	7.4	6.5	-14.29	
PHEW1521	7/17/23 13:07	41.1	38.9	2.4	17.6	116.6	116.6	-0.61	-0.62	3.5	3.6	-8.16	NO CHANGE
PHEW1521	7/17/23 13:07	41.1	38.9	2.4	17.6	116.6	116.6	-0.61	-0.62	3.5	3.6	-8.16	
PHEW1527	2/14/23 12:27	58.7	41.3	0.0	0.0	107.3	107.4	-1.53	-1.52	10.6	10.6	-17.59	
PHEW1527	3/7/23 12:57	58.7	41.3	0.0	0.0	109.0	109.9	-3.46	-5.03	11.6	18.9	-27.87	INCREASED FLOW/VACUUM
PHEW1527	4/17/23 10:58	58.4	41.6	0.0	0.0	112.8	113.7	-7.28	-10.02	14.6	27.1	-21.75	INCREASED FLOW/VACUUM
PHEW1527	5/15/23 11:20	55.2	41.3	0.0	3.5	116.5	117.1	-12.57	-14.21	25.1	32.6	-27.70	INCREASED FLOW/VACUUM

Potrero Hills Landfill - Well Data - 02/01/2023 to 07/31/2023

Point Name	Record Date	CH4 [%]	CO2 [%]	O2 [%]	Bal Gas [%]	Init Temp [°F]	Adj Temp [°F]	Init Stat Press ["H2O]	Adj Stat Press ["H2O]	Init Flow [scfm]	Adj Flow [scfm]	Sys Pressure ["H2O]	Comments
PHEW1527	6/7/23 12:24	50.3	38.5	0.0	11.2	116.9	116.9	-16.31	-16.31	35.1	34.2	-28.32	
PHEW1527	7/25/23 8:37	45.5	37.5	0.3	16.7	110.7	113.7	-16.25	-16.21	36.4	36.2	-28.56	
PHEW1534	2/20/23 10:28	58.1	41.8	0.0	0.1	96.0	96.7	-1.21	-5.44	14.4	34.0	-31.90	INCREASED FLOW/VACUUM
PHEW1534	3/30/23 9:07	57.4	41.6	0.2	0.8	93.0	93.0	-4.08	-6.29	26.1	39.4	-32.96	INCREASED FLOW/VACUUM
PHEW1534	4/24/23 11:13	49.7	37.5	0.0	12.8	112.1	112.1	-5.57	-5.58	39.1	39.1	-32.94	
PHEW1534	5/15/23 13:52	47.5	36.7	0.0	15.8	114.9	115.2	-4.25	-3.20	36.8	25.8	-32.71	DECREASED FLOW/VACUUM
PHEW1534	6/19/23 11:08	50.3	38.7	0.0	11.0	115.0	115.0	-2.23	-2.24	22.1	22.0	-34.03	
PHEW1534	7/10/23 9:37	51.8	39.9	0.0	8.3	112.3	112.3	-1.76	-3.08	20.1	31.7	-33.20	INCREASED FLOW/VACUUM
PHEW1534	7/17/23 11:20	47.3	38.3	0.0	14.4	123.5	123.6	-3.25	-3.24	30.8	30.8	-32.20	NO CHANGE,MINIMAL VACUUM SETTING
PHLEW15R	2/20/23 12:38	50.1	36.8	0.0	13.1	76.4	76.4	-13.08	-13.63	1.3	1.3	-37.04	NO CHANGE
PHLEW15R	3/29/23 10:40	59.0	38.5	0.0	2.5	69.5	69.5	-12.32	-12.34	8.0	8.0	-38.31	NO CHANGE
PHLEW15R	4/10/23 10:24	53.9	37.4	0.2	8.5	77.2	77.1	-13.01	-12.96	7.2	7.4	-38.56	
PHLEW15R	5/8/23 10:16	53.3	37.2	0.2	9.3	75.7	75.7	-11.16	-11.09	7.0	7.0	-38.73	
PHLEW15R	6/19/23 15:51	37.9	27.5	4.8	29.8	79.1	79.1	-9.23	-9.23	7.1	7.1	-38.77	
PHLEW15R	7/18/23 13:06	40.1	29.6	3.9	26.4	80.4	80.3	-6.74	-6.74	7.1	7.1	-35.83	
PHEW1601	2/14/23 10:12	57.6	42.4	0.0	0.0	59.0	58.0	-1.67	-1.62	0.0	0.0	-22.74	NO CHANGE
PHEW1601	3/13/23 10:46	52.7	47.3	0.0	0.0	72.9	72.9	0.26	0.26	7.3	7.3	-37.09	
PHEW1601	3/22/23 11:01	50.9	36.0	0.3	12.8	106.1	106.2	-2.71	-2.71	16.3	16.2	-37.21	NO CHANGE
PHEW1601	4/24/23 12:31	53.1	38.1	0.2	8.6	115.3	115.2	-0.99	-0.95	0.0	0.0	-37.42	
PHEW1601	4/24/23 12:31	53.1	38.1	0.2	8.6	115.3	115.2	-0.99	-0.95	0.0	0.0	-37.42	
PHEW1601	5/1/23 11:17	51.5	38.4	0.0	10.1	113.0	116.2	-0.86	-2.94	9.0	33.7	-36.89	INCREASED FLOW/VACUUM
PHEW1601	6/28/23 16:14	33.7	30.3	1.4	34.6	119.8	120.0	-4.02	-4.03	27.5	27.5	-36.58	
PHEW1601	7/25/23 8:10	33.1	30.7	1.6	34.6	118.7	118.8	-3.68	-3.68	23.6	23.6	-35.82	
PHEW1602	2/14/23 10:57	57.5	42.4	0.0	0.1	122.4	122.4	-1.26	-1.26	23.5	23.6	-19.57	NO CHANGE
PHEW1602	3/13/23 11:17	50.7	49.3	0.0	0.0	123.3	123.3	-2.75	-2.75	20.6	20.5	-34.39	
PHEW1602	4/24/23 13:57	55.8	42.0	0.1	2.1	126.6	126.7	-2.90	-2.84	29.5	30.6	-33.62	
PHEW1602	5/1/23 10:51	56.7	43.3	0.0	0.0	124.2	124.3	-2.93	-4.23	31.1	43.8	-36.19	INCREASED FLOW/VACUUM
PHEW1602	6/12/23 15:45	39.6	36.1	0.1	24.2	124.6	124.5	-4.37	-4.37	39.3	39.4	-33.34	
PHEW1602	7/17/23 15:12	39.9	36.3	0.0	23.8	123.0	121.6	-4.06	-1.75	36.2	39.7	-28.06	DECREASED FLOW/VACUUM
PHEW1603	2/14/23 11:27	53.3	40.2	0.0	6.5	112.5	112.5	-17.20	-17.20	14.7	14.7	-21.16	NO CHANGE
PHEW1603	3/13/23 13:49	55.2	44.7	0.2		112.8	112.8	-29.39	-29.37	15.2	15.2	-33.45	
PHEW1603	4/24/23 10:48	50.9	38.9	0.2	10.0	117.3	117.1	-30.36	-30.30	14.6	13.6	-34.01	
PHEW1603	5/1/23 12:15	50.7	38.4	0.0	10.9	113.5	113.7	-30.60	-30.62	15.2	15.2	-33.48	
PHEW1603	6/12/23 15:06	41.0	35.5	0.9	22.6	124.2	124.2	-28.52	-28.56	13.0	12.8	-28.56	
PHEW1603	7/17/23 14:46	52.1	42.1	0.0	5.8	125.3	125.3	-24.98	-24.97	9.4	9.5	-27.36	VALVE FULL OPEN
PHEW1604	2/20/23 9:16	54.7	44.7	0.0	0.6	119.8	119.7	-15.64	-16.54	5.4	12.6	-15.88	NO CHANGE
PHEW1604	3/13/23 14:09	53.3	46.7	0.0	0.0	110.3	110.3	-17.06	-17.08	7.1	6.9	-16.53	VALVE FULL OPEN
PHEW1604	4/24/23 13:55	54.4	45.0	0.2	0.4	122.5	122.7	-14.20	-14.14	0.0	2.1	-13.56	
PHEW1604	5/1/23 12:33	54.8	45.0	0.3		121.3	121.3	-14.70	-15.05	0.0	9.9	-14.15	
PHEW1604	6/7/23 15:07	48.7	40.7	1.3	9.3	125.8	126.0	-19.23	-19.67	11.6	7.1	-17.81	
PHEW1604	7/17/23 12:03	53.3	45.7	0.0	1.0	127.3	127.3	-17.34	-16.58	7.7	11.9	-15.70	VALVE FULL OPEN,SURGING LIQUID IN HEADER
PHEW1607	2/14/23 11:51	54.5	42.3	0.2	3.0	92.7	92.6	-7.05	-7.05	3.3	3.0	-21.41	NO CHANGE
PHEW1607	3/13/23 11:39	52.4	46.9	0.7	0.0	108.8	108.9	-12.52	-12.53	0.0	0.0	-36.18	
PHEW1607	4/24/23 11:03	49.5	39.3	1.5	9.7	110.5	110.5	-14.67	-14.69	3.0	3.4	-35.84	
PHEW1607	5/1/23 12:31	50.2	39.6	1.3	8.9	106.0	106.0	-14.74	-14.75	5.7	5.7	-36.38	
PHEW1607	6/12/23 15:34	43.3	36.0	2.4	18.3	111.4	111.5	-12.71	-12.70	0.0	0.0	-35.84	
PHEW1607	7/17/23 15:02	48.3	39.5	1.0	11.2	102.8	106.0	-6.67	-6.73	12.3	12.0	-27.98	
PHEW1608	2/20/23 12:56	58.4	40.8	0.0	0.8	117.0	117.4	-0.89	-1.02	19.7	22.2	-36.41	INCREASED FLOW/VACUUM
PHEW1608	3/29/23 9:49	49.9	38.1	0.4	11.6	113.7	113.7	-2.76	-2.76	20.4	20.4	-37.24	NO CHANGE
PHEW1608	4/10/23 11:25	46.8	36.3	0.7	16.2	116.8	116.9	-2.54	-2.51	0.0	21.5	-36.89	
PHEW1608	5/8/23 10:57	51.2	38.5	0.1	10.2	69.8	69.7	-2.42	-2.40	20.5	20.5	-37.45	
PHEW1608	6/19/23 13:32	43.3	35.4	1.4	19.9	117.0	116.9	-2.42	-2.35	18.9	18.9	-37.68	
PHEW1608	7/18/23 14:07	44.0	34.8	1.6	19.6	116.3	116.5	-0.86	-0.86	15.5	15.5	-32.25	
PHEW1702	2/14/23 11:53	44.4	37.9	3.4	14.3	77.1	77.1	-21.55	-21.54	0.0	0.0	-21.55	NO CHANGE
PHEW1702	3/13/23 11:34	49.5	49.8	0.7	0.0	76.5	78.5	-35.98	-35.94			-35.67	
PHEW1702	4/24/23 11:06	40.9	34.8	4.1	20.2	72.9	73.1	-35.95	-35.80			-36.26	
PHEW1702	5/1/23 12:46	52.5	42.3	0.9	4.3	79.9	79.8	-35.25	-35.25	2.3	4.4	-35.67	
PHEW1702	6/12/23 15:38	49.4	39.6	2.3	8.7	97.9	98.2	-36.47	-36.41	1.8	1.8	-36.39	
PHEW1702	7/17/23 15:04	54.4	44.1	0.0	1.5	108.4	108.5	-29.21	-29.21	1.7	1.7	-29.20	VALVE FULL OPEN
PHEW1703	2/14/23 11:49	35.8	36.0	0.0	28.2	63.5	63.5	-0.60	-0.59	1.3	1.3	-21.62	NO CHANGE
PHEW1703	3/13/23 11:43	18.1	29.9	0.0	52.0	77.9	77.9	-1.23	-1.23	0.0	0.0	-35.93	
PHEW1703	4/24/23 10:59	32.9	33.7	0.1	33.3	86.2	86.3	-0.98	-0.95	1.5	1.5	-36.90	
PHEW1703	5/1/23 12:29	31.1	32.8	0.0	36.1	81.9	81.8	-1.58	-1.57	2.5	2.5	-36.35	MINIMAL VACUUM SETTING
PHEW1703	6/12/23 15:27	34.2	33.2	0.2	32.4	76.9	77.1	-0.65	-0.65	0.0	0.0	-35.09	
PHEW1703	7/17/23 14:57	35.8	34.5	0.0	29.7	105.3	105.3	-0.81	-0.80	1.6	1.5	-26.32	MINIMAL VACUUM SETTING
PHEW1705	2/20/23 13:01	57.1	42.8	0.1	0.0	121.3	121.6	-5.06	-8.29	15.5	27.0	-35.74	INCREASED FLOW/VACUUM
PHEW1705	3/30/23 12:27	50.6	38.2	1.8	9.4	117.3	117.2	-7.66	-7.66	19.0	19.0	-35.41	
PHEW1705	4/24/23 10:12	50.3	37.9	2.3	9.5	120.1	120.1	-6.31	-6.32	17.9	17.8	-37.58	
PHEW1705	5/15/23 10:10	55.1	40.7	0.2	4.0	122.8	122.8	-6.75	-6.75	17.6	17.5	-35.79	
PHEW1705	6/19/23 16:11	47.7	36.3	2.8	13.2	112.8	116.5	-6.05	-6.06	16.8	16.8	-35.47	
PHEW1705	7/18/23 13:43	45.2	34.7	3.3	16.8	119.3	119.5	-3.98	-3.99	19.4	19.6	-33.03	
PHEW1706	2/20/23 13:04	55.2	41.1	0.3	3.4	119.6	119.7	-20.93	-23.91	42.8	53.0	-35.12	INCREASED FLOW/VACUUM
PHEW1706	3/30/23 12:23	56.3	41.8	0.0	1.9	118.2	118.3	-26.24	-27.95	47.4	53.9	-36.15	INCREASED FLOW/VACUUM
PHEW1706	4/24/23 10:15	56.0	40.9	0.4	2.7	118.6	118.7	-30.12	-31.92	54.7	59.7	-36.48	INCREASED FLOW/VACUUM,VALVE FULL OPEN
PHEW1706	5/15/23 10:13	52.1	40.0	0.6	7.3	120.5	120.5	-31.14	-31.12	53.9	53.9	-35.76	
PHEW1706	6/19/23 16:13	51.0	38.6	1.1	9.3	120.3	120.3	-30.30	-30.32	54.1	54.1	-30.33	
PHEW1706	7/18/23 13:46	49.8	38.4	1.0	10.8	118.5	118.6	-28.58	-28.58	52.5	52.4	-32.12	

Point Name	Record Date	CH4 [%]	CO2 [%]	O2 [%]	Bal Gas [%]	Init Temp [°F]	Adj Temp [°F]	Init Stat Press ["H2O]	Adj Stat Press ["H2O]	Init Flow [scfm]	Adj Flow [scfm]	Sys Pressure ["H2O]	Comments
PHEW1707	2/20/23 13:07	52.4	40.8	0.5	6.3	114.1	114.2	-13.71	-15.41	53.0	62.6	-32.29	INCREASED FLOW/VACUUM
PHEW1707	3/30/23 12:19	51.1	39.9	1.1	7.9	111.9	111.9	-19.25	-19.25	58.8	58.0	-34.78	
PHEW1707	4/24/23 10:18	49.8	38.5	0.9	10.8	112.3	112.3	-19.08	-19.07	57.4	57.4	-35.45	
PHEW1707	5/15/23 10:16	47.4	37.7	0.9	14.0	115.5	115.6	-18.38	-18.38	54.5	54.4	-34.56	
PHEW1707	6/19/23 16:16	49.4	39.0	0.6	11.0	115.5	115.5	-17.07	-17.06	52.4	52.0	-33.80	
PHEW1707	7/18/23 13:48	47.8	37.5	0.6	14.1	113.8	113.9	-15.38	-15.37	48.1	49.5	-31.74	
PHLF1901	2/14/23 12:29	57.5	42.5	0.0	0.0	117.5	117.7	-6.08	-6.06	8.7	12.4	-15.79	
PHLF1901	3/7/23 13:00	57.8	42.2	0.0	0.0	120.2	120.6	-10.17	-11.85	14.2	20.6	-25.14	INCREASED FLOW/VACUUM
PHLF1901	4/17/23 11:29	59.0	41.0	0.0	0.0	117.7	118.0	-14.38	-16.10	16.3	15.6	-23.81	INCREASED FLOW/VACUUM
PHLF1901	5/15/23 10:34	52.5	40.2	0.0	7.3	121.0	121.0	-18.16	-18.98	15.2	18.8	-26.73	INCREASED FLOW/VACUUM
PHLF1901	6/7/23 12:47	49.8	38.1	0.0	12.1	121.4	121.4	-19.49	-20.57	27.4	26.1	-25.90	
PHLF1901	7/25/23 8:35	45.0	37.6	0.7	16.7	123.2	123.2	-20.41	-21.21	28.4	27.5	-25.65	
PHLF1904	2/6/23 12:35	52.3	43.2	0.0	4.5	127.0	127.2	-8.48	-9.67	30.7	41.4	-35.45	INCREASED FLOW/VACUUM
PHLF1904	3/7/23 12:00	49.4	38.9	0.0	11.7	126.3	126.4	-10.53	-10.52	39.9	40.0	-34.10	
PHLF1904	4/5/23 13:05	51.5	40.1	0.0	8.4	126.8	126.9	-11.59	-13.41	39.5	49.8	-33.34	INCREASED FLOW/VACUUM
PHLF1904	5/15/23 12:13	41.2	35.2	0.0	23.6	126.7	126.9	-13.74	-13.74	47.6	47.7	-32.11	
PHLF1904	6/7/23 11:33	45.6	36.4	0.0	18.0	126.2	126.2	-10.35	-10.35	41.0	41.0	-32.88	
PHLF1904	7/17/23 13:18	39.3	34.9	0.0	25.8	129.9	129.9	-10.32	-10.31	40.3	40.3	-33.74	NO CHANGE
PHLF1906	2/6/23 12:01	55.4	42.1	0.0	2.5	106.1	106.5	-1.04	-1.50	16.6	22.6	-34.77	INCREASED FLOW/VACUUM
PHLF1906	3/7/23 11:42	55.8	38.0	0.0	6.2	107.4	107.9	-1.88	-2.35	22.8	30.8	-34.14	INCREASED FLOW/VACUUM
PHLF1906	4/5/23 12:29	44.8	36.3	0.0	18.9	107.2	107.3	-3.07	-2.44	29.7	22.7	-34.11	DECREASED FLOW/VACUUM
PHLF1906	5/15/23 13:00	43.7	35.3	0.0	21.0	107.6	107.6	-1.46	-1.45	15.3	15.3	-33.06	
PHLF1906	6/7/23 11:08	48.2	36.9	0.0	14.9	106.1	106.2	-1.30	-1.29	15.2	15.2	-32.67	
PHLF1906	7/17/23 12:42	42.0	34.3	0.0	23.7	110.5	110.5	-1.19	-1.19	15.1	15.1	-32.92	NO CHANGE
PHLF1909	2/20/23 10:46	57.4	40.7	0.0	1.9	116.4	116.4	-1.66	-1.67	16.2	13.7	-33.73	NO CHANGE
PHLF1909	3/13/23 14:00	51.5	48.5	0.0	0.0	118.0	117.9	-1.35	-1.34	13.6	13.5	-34.72	
PHLF1909	4/24/23 10:24	57.9	41.6	0.3	0.2	118.1	118.1	-2.23	-2.21	13.3	14.4	-35.76	
PHLF1909	4/24/23 10:24	57.9	41.6	0.3	0.2	118.1	118.1	-2.23	-2.21	13.3	14.4	-35.76	
PHLF1909	5/1/23 12:51	57.0	41.8	0.0	1.2	115.4	116.3	-1.82	-2.42	17.2	25.3	-31.99	INCREASED FLOW/VACUUM
PHLF1909	6/12/23 14:48	40.4	35.6	0.2	23.8	117.2	117.3	-4.20	-4.12	20.5	20.5	-32.37	
PHLF1909	7/17/23 14:06	40.4	35.9	0.0	23.7	117.7	108.7	-3.32	-2.37	19.2	25.8	-29.55	DECREASED FLOW/VACUUM
PHLF1910	2/20/23 10:58	35.8	30.6	0.0	33.6	96.1	96.0	-0.62	-0.62	3.4	5.7	-33.95	NO CHANGE
PHLF1910	3/30/23 10:10	31.3	29.7	0.0	39.0	101.4	101.9	-1.45	-1.46	9.5	10.2	-33.36	MINIMAL VACUUM SETTING
PHLF1910	4/24/23 10:12	28.6	29.6	0.1	41.7	113.0	112.9	-1.36	-1.35	9.6	9.6	-35.87	
PHLF1910	5/1/23 12:55	30.4	31.0	0.1	38.5	113.0	113.0	-1.09	-1.09	9.0	8.8	-32.09	
PHLF1910	6/12/23 14:19	28.6	30.0	0.3	41.1	114.7	114.7	-0.98	-0.96	9.7	9.7	-32.64	
PHLF1910	7/17/23 13:31	30.0	30.7	0.0	39.3	115.3	115.4	-0.89	-0.89	8.9	9.0	-29.61	MINIMAL VACUUM SETTING
PHLF1911	2/20/23 10:39	51.7	38.3	0.0	10.0	113.7	113.8	-5.87	-5.89	6.8	6.9	-34.92	NO CHANGE
PHLF1911	3/13/23 12:42	54.8	45.2	0.0	0.0	114.9	114.9	-12.73	-6.81	0.0	0.0	-34.93	
PHLF1911	4/24/23 9:56	51.2	38.0	0.1	10.7	114.9	115.1	-8.26	-7.87	7.3	7.3	-34.59	
PHLF1911	5/1/23 13:07	51.7	38.4	0.0	9.9	112.6	114.0	-7.02	-10.06	7.9	16.1	-32.23	INCREASED FLOW/VACUUM
PHLF1911	6/12/23 14:37	34.2	32.8	0.3	32.7	119.1	119.1	-14.56	-14.57	9.6	10.0	-32.83	
PHLF1911	7/17/23 13:45	35.0	34.2	0.0	30.8	120.1	119.0	-11.95	-9.31	12.0	7.1	-30.45	DECREASED FLOW/VACUUM,MINIMAL VACUUM SETTING
PHLF1912	2/20/23 10:21	55.8	40.7	0.0	3.5	122.5	122.5	-3.11	-3.11	20.0	20.0	-34.58	NO CHANGE
PHLF1912	3/13/23 12:33	52.7	47.3	0.0	0.0	124.2	124.2	-3.12	-3.12	4.5	4.5	-34.15	
PHLF1912	4/24/23 9:27	57.7	42.3	0.0	0.0	125.3	125.3	-3.37	-3.34	17.3	17.5	-34.76	
PHLF1912	4/24/23 9:28	58.2	40.6	0.0	1.2	125.3	125.3	-3.49	-3.46	18.2	18.1	-35.19	SECOND READING
PHLF1912	5/1/23 12:14	58.2	41.8	0.0	0.0	125.2	125.2	-3.53	-3.50	16.6	16.5	-33.65	
PHLF1912	6/7/23 16:29	52.7	39.3	0.6	7.4	125.5	125.5	-3.91	-3.89	18.7	17.4	-33.00	
PHLF1912	7/17/23 12:53	51.0	40.5	0.0	8.5	125.1	125.3	-3.52	-4.34	19.5	26.8	-31.53	INCREASED FLOW/VACUUM
PHLF1913	2/20/23 10:14	53.4	40.3	0.0	6.3	120.4	120.5	-0.78	-0.77	11.3	8.7	-35.13	NO CHANGE
PHLF1913	3/13/23 12:26	51.9	48.0	0.0	0.1	124.7	124.7	-8.73	-0.85	6.1	6.3	-34.85	
PHLF1913	4/24/23 9:33	55.9	41.5	0.0	2.6	124.0	123.8	-1.13	-1.07	9.4	10.1	-34.49	
PHLF1913	4/24/23 9:33	55.9	41.5	0.0	2.6	124.0	123.8	-1.13	-1.07	9.4	10.1	-34.49	
PHLF1913	5/1/23 12:07	56.4	41.6	0.1	1.9	123.6	123.6	-1.03	-0.99	8.2	8.3	-34.27	
PHLF1913	5/1/23 12:07	56.4	41.6	0.1	1.9	123.6	123.6	-1.03	-0.99	8.2	8.3	-34.27	
PHLF1913	6/12/23 15:20	50.9	39.5	0.5	9.1	125.6	125.6	-0.51	-0.51	8.1	8.6	-19.10	
PHLF1913	7/17/23 12:57	52.8	40.3	0.0	6.9	117.7	122.6	-0.31	-0.85	3.0	14.4	-31.04	INCREASED FLOW/VACUUM
PHLF1914	2/20/23 9:46	55.0	42.7	0.0	2.3	121.1	121.2	-3.77	-3.77	65.7	65.7	-35.45	NO CHANGE
PHLF1914	3/30/23 10:32	53.6	43.1	0.0	3.3	121.0	121.3	-4.61	-6.00	59.6	86.8	-33.80	INCREASED FLOW/VACUUM
PHLF1914	4/24/23 9:04	46.5	40.1	0.1	13.3	125.0	124.9	-6.17	-6.10	32.7	34.1	-33.15	
PHLF1914	5/1/23 11:57	45.2	39.0	0.3	15.5	124.9	124.9	-5.96	-5.90	33.0	33.0	-34.49	
PHLF1914	6/7/23 16:13	44.4	38.4	0.7	16.5	125.7	125.8	-5.25	-5.24	32.6	33.6	-32.80	
PHLF1914	7/17/23 13:21	42.6	37.8	0.0	19.6	125.2	124.3	-4.61	-2.85	31.6	38.3	-30.01	DECREASED FLOW/VACUUM
PHLF1915	2/6/23 13:17	45.7	39.2	0.0	15.1	118.6	119.1	-0.41	-0.40	8.6	8.6	-34.44	NO CHANGE
PHLF1915	3/7/23 11:00	42.5	38.7	0.0	18.8	118.6	118.6	-0.62	-0.63	8.0	8.0	-33.46	MINIMAL VACUUM SETTING
PHLF1915	4/5/23 11:13	43.7	39.2	0.0	17.1	121.8	121.9	-0.82	-0.82	8.1	8.1	-33.40	MINIMAL VACUUM SETTING
PHLF1915	5/1/23 12:43	39.2	37.2	0.0	23.6	121.7	121.4	-0.76	-0.74	8.1	8.2	-32.80	
PHLF1915	6/7/23 10:46	40.6	36.9	0.0	22.5	120.4	120.5	-0.72	-0.73	7.6	8.0	-32.79	MINIMAL VACUUM SETTING
PHLF1915	6/7/23 16:33	38.0	35.6	1.0	25.4	122.0	122.1	-0.83	-0.83	8.0	8.2	-32.78	
PHLF1915	7/10/23 13:31	33.9	35.8	0.0	30.3	123.1	123.2	-0.59	-0.59	8.0	8.0	-31.03	MINIMAL VACUUM SETTING
PHLF1916	2/20/23 9:07	53.4	46.1	0.0	0.5	57.5	57.6	0.38	0.38	0.0	0.0	0.38	NO CHANGE
PHLF1916	2/20/23 9:08	53.4	46.1	0.0	0.5	58.1	58.2	0.35	0.37	0.0	0.0	0.36	SECOND READING
PHLF1916	2/21/23 12:08	52.3	47.7	0.0	0.0	129.2	129.3	-5.61	-5.61	50.7	51.6	-24.45	
PHLF1916	3/13/23 14:00	52.8	47.2	0.0	0.0	127.6	127.6	-7.84	-8.87	52.3	62.0	-25.33	INCREASED FLOW/VACUUM
PHLF1916	4/17/23 13:45	50.2	40.8	1.1	7.9	131.3	131.3	-8.95	-8.93	58.6	58.5	-23.48	
PHLF1916	4/17/23 13:46	50.4	42.2	0.0	7.4	131.3	131.3	-8.72	-8.77	57.7	58.0	-22.87	SECOND READING

Potrero Hills Landfill - Well Data - 02/01/2023 to 07/31/2023

Point Name	Record Date	CH4 [%]	CO2 [%]	O2 [%]	Bal Gas [%]	Init Temp [°F]	Adj Temp [°F]	Init Stat Press ["H2O]	Adj Stat Press ["H2O]	Init Flow [scfm]	Adj Flow [scfm]	Sys Pressure ["H2O]	Comments
PHLF1916	4/24/23 12:41	51.1	43.4	0.0	5.5	129.3	129.3	-8.96	-8.96	57.1	56.4	-23.24	
PHLF1916	5/1/23 11:34	50.8	43.4	0.0	5.8	110.5	111.7	-6.04	-6.02	34.2	34.2	-25.00	
PHLF1916	6/7/23 13:50	46.2	42.8	0.0	11.0	131.2	131.2	-4.43	-4.44	34.1	34.0	-24.18	
PHLF1916	6/19/23 11:32	50.3	43.2	0.0	6.5	129.1	129.1	-5.16	-5.15	35.2	35.2	-25.71	
PHLF1916	7/17/23 11:47	48.8	44.2	0.0	7.0	130.5	130.5	-4.98	-4.98	37.0	37.0	-27.75	
PHLF1917	2/20/23 9:20	54.3	45.0	0.0	0.7	113.6	114.6	-0.49	-0.61	9.2	11.2	-32.73	INCREASED FLOW/VACUUM
PHLF1917	3/13/23 13:56	52.4	45.7	0.0	1.9	114.9	115.4	-0.68	-0.69	11.6	14.2	-30.64	INCREASED FLOW/VACUUM
PHLF1917	4/17/23 13:28	52.5	42.3	0.6	4.6	116.4	116.5	-1.30	-0.87	13.7	13.8	-31.08	
PHLF1917	5/1/23 11:07	47.1	41.4	0.1	11.4	116.5	116.4	-1.26	-1.24	13.3	13.4	-27.09	
PHLF1917	6/7/23 13:27	31.9	35.7	0.3	32.1	116.7	116.6	-0.84	-0.84	11.5	12.2	-23.59	
PHLF1917	7/17/23 11:43	28.7	33.2	0.0	38.1	118.1	118.2	-0.99	-0.99	11.8	11.9	-23.79	MINIMAL VACUUM SETTING
PHLF1918	2/20/23 9:55	56.1	41.2	0.0	2.7	114.5	114.6	-1.16	-1.15	11.7	11.7	-34.99	NO CHANGE
PHLF1918	3/30/23 10:24	52.3	42.1	0.0	5.6	114.9	115.3	-1.75	-1.87	11.6	16.1	-33.68	INCREASED FLOW/VACUUM
PHLF1918	4/24/23 9:16	46.3	39.0	0.1	14.6	121.1	121.3	-2.56	-2.54	15.8	15.8	-34.45	
PHLF1918	5/1/23 12:22	47.8	38.9	0.1	13.2	120.2	120.2	-2.31	-2.28	15.7	15.5	-34.03	
PHLF1918	6/7/23 16:19	43.1	35.8	1.0	20.1	121.7	121.7	-2.39	-2.40	15.2	15.2	-32.90	
PHLF1918	7/17/23 12:37	40.7	36.2	0.0	23.1	121.7	120.8	-2.07	-1.53	14.6	9.4	-26.53	DECREASED FLOW/VACUUM
PHLF1919	2/21/23 10:40	54.9	45.1	0.0	0.0	117.5	117.6	-31.84	-31.84	32.5	33.6	-33.66	VALVE FULL OPEN
PHLF1919	3/13/23 12:28	55.6	44.4	0.0	0.0	116.9	116.8	-32.26	-32.17	31.7	31.6	-32.14	VALVE FULL OPEN
PHLF1919	4/5/23 11:16	55.7	42.7	0.2	1.4	117.4	117.4	-31.90	-31.90	31.4	30.3	-33.46	VALVE FULL OPEN
PHLF1919	5/15/23 14:05	55.3	40.8	0.5	3.4	120.6	120.6	-31.29	-31.29	29.6	29.5	-32.80	
PHLF1919	6/28/23 16:23	52.3	39.4	1.7	6.6	118.3	118.5	-31.10	-31.10	27.8	27.8	-32.31	
PHLF1919	7/17/23 12:22	54.0	43.1	0.1	2.8	119.0	119.0	-29.42	-28.97	28.2	32.4	-30.98	VALVE FULL OPEN
PHLF1920	2/6/23 11:59	52.4	46.3	0.0	1.3	119.9	119.9	-0.76	-0.76	18.6	18.6	-34.60	NO CHANGE
PHLF1920	3/29/23 11:39	51.5	48.5	0.0	0.0	118.0	118.3	-1.00	-1.06	18.0	22.4	-33.41	INCREASED FLOW/VACUUM
PHLF1920	4/17/23 11:55	53.0	47.0	0.0	0.0	124.9	124.8	-1.56	-1.54	19.9	21.0	-29.39	
PHLF1920	5/1/23 10:36	54.3	45.4	0.3	0.0	125.8	125.8	-1.68	-1.68	21.7	22.3	-31.08	
PHLF1920	6/7/23 12:28	52.0	43.4	0.9	3.7	125.3	125.3	-1.23	-1.23	18.1	18.1	-27.82	
PHLF1920	7/10/23 14:11	51.7	44.3	0.5	3.5	125.6	126.0	-1.28	-1.33	17.2	27.0	-26.48	INCREASED FLOW/VACUUM
PHLF1921	2/20/23 9:29	56.6	42.8	0.0	0.6	121.0	120.6	-2.17	-2.15	0.0	0.0	-30.03	NO CHANGE
PHLF1921	2/21/23 10:59	55.2	44.8	0.0	0.0	123.5	123.6	-1.80	-1.83	19.8	19.4	-33.45	INCREASED FLOW/VACUUM
PHLF1921	3/13/23 13:38	55.3	44.7	0.0	0.0	121.5	121.9	-2.47	-3.21	19.5	25.5	-28.98	INCREASED FLOW/VACUUM
PHLF1921	4/17/23 12:01	55.8	44.2	0.0	0.0	124.4	124.4	-3.55	-3.58	23.1	23.5	-28.72	
PHLF1921	5/1/23 11:04	56.0	43.1	0.1	0.8	123.6	123.7	-4.62	-4.57			-31.48	
PHLF1921	5/1/23 11:04	56.0	43.1	0.1	0.8	123.6	123.7	-4.62	-4.57			-31.48	
PHLF1921	6/7/23 13:21	46.7	39.8	0.3	13.2	123.9	123.9	-3.71	-3.70			-26.96	
PHLF1921	7/17/23 10:37	45.4	39.5	0.0	15.1	121.9	122.3	-3.72	-2.44		33.0	-26.10	DECREASED FLOW/VACUUM
PHLFGW01	2/6/23 10:52	57.0	43.0	0.0	0.0	65.8	65.8	-21.85	-27.03	21.2	26.1	-38.96	
PHLFGW01	3/7/23 9:58	57.1	40.4	0.0	2.5	63.8	63.7	-19.69	-17.09	17.4	14.1	-26.28	
PHLFGW01	4/5/23 10:24	58.9	41.1	0.0	0.0	64.4	64.4	-20.33	-21.12	22.6	20.9	-38.48	
PHLFGW01	5/8/23 9:09	59.7	40.3	0.0	0.0	64.4	64.3	-17.82	-18.30	25.2	22.8	-39.95	
PHLFGW01	6/7/23 10:07	59.7	40.3	0.0	0.0	67.0	67.0	-26.22	-20.07	3.0	18.2	-40.36	
PHLFGW01	7/10/23 11:08	50.2	39.5	0.1	10.2	69.1	69.2	-18.24	-20.48	23.3	32.3	-38.86	
PHLGW02R	5/8/23 8:44	60.2	39.8	0.0	0.0	67.4	67.4	-39.15	-39.18	4.6	4.9	-39.01	
PHLGW02R	6/19/23 11:04	59.5	40.4	0.0	0.1	75.6	75.6	-39.73	-39.66	4.3	4.3	-39.63	
PHLGW02R	7/10/23 12:00	59.9	40.1	0.0	0.0	74.7	74.7	-35.95	-35.96	6.6	5.9	-36.88	VALVE FULL OPEN
PHLGW05R	2/20/23 12:15	62.2	37.7	0.1	0.0	90.8	90.9	-31.61	-31.10	0.0	0.0	-31.10	NO CHANGE
PHLGW05R	3/29/23 9:12	61.3	38.6	0.1	0.0	56.9	56.9	-36.06	-36.06	0.9	0.9	-36.05	NO CHANGE
PHLGW05R	4/10/23 9:09	60.9	38.7	0.4	0.0	77.4	77.4	-36.30	-36.28	0.6	1.1	-38.54	
PHLGW05R	5/8/23 8:48	59.9	40.0	0.0	0.1	77.8	77.9	-34.43	-34.44	1.5	1.5	-38.42	
PHLGW05R	6/28/23 15:45	58.8	38.2	0.6	2.4	92.9	92.9	-28.59	-29.19	3.2	3.2	-39.24	
PHLGW05R	7/10/23 12:04	53.7	38.3	0.0	8.0	90.2	93.5	-26.47	-30.58	3.5	3.7	-37.05	INCREASED FLOW/VACUUM
PHLGW06R	2/20/23 12:19	0.2	1.6	21.9	76.3	70.3	70.3	-38.19	-38.19	0.0	0.0	-38.22	NO CHANGE
PHLGW06R	2/20/23 12:19	0.2	1.1	22.0	76.7	69.8	69.8	-38.63	-38.62	0.0	0.0	-38.60	SECOND READING
PHLGW06R	3/29/23 9:14	0.5	2.8	20.9	75.8	43.0	43.0	-38.35	-38.36	0.4	0.4	-38.36	NO CHANGE
PHLGW06R	3/29/23 9:15	0.3	2.0	21.2	76.5	42.9	42.9	-38.36	-38.36	0.3	0.3	-38.37	SECOND READING
PHLGW06R	4/10/23 9:16	0.6	1.3	20.4	77.7	67.7	68.2	-39.16	-39.15	0.2	0.3	-39.05	
PHLGW06R	4/10/23 9:18	0.8	1.5	20.4	77.3	68.2	68.3	-39.28	-39.23	0.0	0.4	-39.06	INCREASED FLOW/VACUUM,SECOND READING
PHLGW06R	5/8/23 8:54	0.8	1.8	20.5	76.9	53.3	53.3	-39.13	-39.11	0.0	0.0	-38.76	
PHLGW06R	5/8/23 8:55	0.7	1.6	20.6	77.1	53.3	53.3	-39.37	-39.37	0.0	0.0	-39.21	SECOND READING
PHLGW06R	6/19/23 16:40	4.9	7.0	18.1	70.0	74.5	74.2	-52.61	-38.94	0.0	0.0	-38.95	
PHLGW06R	6/19/23 16:42	1.8	3.0	20.3	74.9	73.1	73.0	-38.98	-38.98	0.0	0.0	-38.99	DECREASED FLOW/VACUUM,SECOND READING
PHLGW06R	7/10/23 12:07	62.6	34.5	0.7	2.2	79.5	79.9	-37.32	-37.29	0.2	0.2	-37.27	
PHLGW09R	2/21/23 9:17	57.6	42.4	0.0	0.0	91.5	91.6	-37.40	-37.39	5.0	5.0	-37.38	VALVE FULL OPEN
PHLGW09R	3/29/23 9:22	59.5	40.5	0.0	0.0	63.7	63.8	-38.27	-38.27	2.9	2.9	-38.27	NO CHANGE
PHLGW09R	4/10/23 11:41	55.0	38.9	0.4	5.7	87.1	87.1	-38.58	-0.14	0.5		-38.34	
PHLGW09R	5/8/23 11:23	58.8	41.1	0.0	0.1	73.6	73.7	-38.59	-38.58	5.4	5.4	-38.58	
PHLGW09R	6/28/23 15:56	57.4	38.0	1.0	3.6	95.2	95.3	-38.96	-38.93	5.0	4.5	-39.20	
PHLGW09R	7/25/23 8:03	56.4	39.1	1.3	3.2	83.4	83.5	-37.94	-37.93	1.4	1.5	-37.93	
PHLFGW13	2/20/23 12:33	54.6	38.9	0.0	6.5	71.7	71.7	-37.87	-37.86	0.0	0.0	-37.84	NO CHANGE
PHLFGW13	3/29/23 10:48	57.4	39.1	0.5	3.0	45.2	45.1	-37.62	-37.63	0.5	0.5	-37.64	NO CHANGE
PHLFGW13	4/10/23 10:17	55.8	38.9	0.6	4.7	78.3	78.0	-38.36	-38.32	0.3	0.6	-38.66	
PHLFGW13	5/8/23 10:07	60.1	38.8	1.1	0.0	57.4	57.3	-38.13	-38.05	0.2	0.2	-38.82	
PHLFGW13	6/19/23 15:45	59.5	39.6	0.9	0.0	76.4	76.3	-37.81	-37.80	0.5	0.5	-37.80	
PHLFGW13	7/18/23 12:59	56.3	39.5	1.5	2.7	81.3	81.3	-34.51	-34.51	0.6	0.6	-34.50	
PHLFGW14	2/20/23 12:35	58.6	40.1	0.0	1.3	68.7	68.7	-37.38	-37.38	0.0	1.2	-37.06	NO CHANGE
PHLFGW14	3/29/23 10:46	59.1	40.9	0.0	0.0	50.0	50.3	-38.12	-38.10	1.9	1.9	-38.10	NO CHANGE
PHLFGW14	4/10/23 10:20	56.4	39.8	0.5	3.3	72.2	71.5	-38.71	-38.62	2.5	2.4	-38.61	

Potrero Hills Landfill - Well Data - 02/01/2023 to 07/31/2023

Point Name	Record Date	CH4 [%]	CO2 [%]	O2 [%]	Bal Gas [%]	Init Temp [°F]	Adj Temp [°F]	Init Stat Press ["H2O]	Adj Stat Press ["H2O]	Init Flow [scfm]	Adj Flow [scfm]	Sys Pressure ["H2O]	Comments
PHLFGW14	5/8/23 10:10	58.3	41.5	0.1	0.1	66.3	66.3	-38.08	-38.07	3.2	4.1	-37.21	
PHLFGW14	6/19/23 15:46	59.5	40.1	0.4	0.0	76.0	75.9	-38.34	-38.34	1.9	1.9	-38.33	
PHLFGW14	7/18/23 13:01	59.4	40.0	0.4	0.2	79.3	79.2	-34.07	-34.17	7.7	6.5	-34.17	
PHLGW16R	2/21/23 9:22	57.8	40.6	0.0	1.6	101.1	101.2	-0.13	-0.14			-36.72	INCREASED FLOW/VACUUM
PHLGW16R	3/29/23 9:30	50.5	38.7	0.0	10.8	99.0	98.7	-4.56	-4.55	0.0	0.0	-37.41	NO CHANGE
PHLGW16R	4/10/23 10:52	45.3	36.4	0.1	18.2	106.1	106.2	-8.70	-4.42			-37.58	
PHLGW16R	5/8/23 10:39	45.0	36.4	0.0	18.6	105.9	105.9	-4.28	-4.28			-37.74	
PHLGW16R	6/28/23 16:01	34.7	31.7	0.8	32.8	105.7	105.8	-2.99	-2.99	0.0	0.0	-37.91	
PHLGW16R	7/25/23 7:56	30.2	30.4	0.8	38.6	105.2	105.3	-3.28	-3.29	0.0	0.0	-37.40	
PHLFGW17	2/20/23 12:50	50.1	37.2	0.0	12.7	71.5	71.5	-12.68	-12.67	35.1	34.9	-36.21	NO CHANGE
PHLFGW17	3/29/23 10:35	52.2	37.5	0.0	10.3	65.9	65.9	-13.70	-13.70	35.7	35.7	-38.04	NO CHANGE
PHLFGW17	4/10/23 10:34	45.3	35.1	0.1	19.5	68.4	68.3	-15.97	-15.94	34.9	34.9	-39.78	
PHLFGW17	5/8/23 10:21	49.5	36.4	0.3	13.8	68.9	68.9	-12.52	-12.50	36.1	36.1	-38.46	
PHLFGW17	6/19/23 15:56	47.5	34.7	0.7	17.1	75.0	75.0	-10.03	-10.03	37.2	37.2	-38.51	
PHLFGW17	7/18/23 13:12	46.5	35.1	0.5	17.9	77.0	76.9	-7.41	-7.39	36.8	36.8	-35.50	
PHLGW18R	2/21/23 9:27	53.8	38.2	0.0	8.0	85.3	85.6	-0.64	-0.67	0.0	0.6	-36.55	INCREASED FLOW/VACUUM
PHLGW18R	3/29/23 10:10	26.0	29.6	0.0	44.4	81.4	81.5	-3.79	-3.79	0.3	0.3	-38.28	NO CHANGE
PHLGW18R	4/10/23 11:02	24.0	25.8	0.1	50.1	86.8	86.8	-3.64	-3.59	0.0	0.0	-38.05	
PHLGW18R	5/8/23 11:17	23.3	27.1	0.0	49.6	69.8	69.8	-3.00	-2.96	0.0	0.0	-38.72	
PHLGW18R	6/19/23 13:54	15.5	23.5	0.2	60.8	87.7	87.8	-2.11	-2.14	0.0	0.0	-38.98	
PHLGW18R	7/25/23 7:50	14.0	22.4	1.3	62.3	93.5	93.5	-2.68	-2.67	0.0	0.0	-37.46	
PHLFGW19	2/14/23 10:00	0.3	2.7	20.2	76.8	54.9	54.7	-4.34	-4.79	0.0	0.0	-23.99	
PHLFGW19	3/29/23 10:28	0.1	1.0	22.0	76.9	74.8	74.9	-0.40	-0.35	2.2	2.2	-30.59	DECREASED FLOW/VACUUM
PHLFGW19	3/29/23 10:29	0.1	0.9	22.0	77.0	76.5	76.6	-0.24	-0.24	2.0	2.0	-38.40	SECOND READING
PHLFGW19	4/24/23 9:03	0.2	1.1	19.5	79.2	59.6	59.4	-0.10	-0.11	0.0	0.0	-39.28	MINIMAL VACUUM SETTING
PHLFGW19	4/24/23 9:04	0.1	0.5	19.8	79.6	59.3	59.3	-0.16	-0.16	0.0	0.0	-38.75	MINIMAL VACUUM SETTING
PHLFGW19	5/15/23 9:52	0.0	0.4	20.2	79.4	76.8	76.6	-0.02	-0.02	1.2	1.2	-39.07	
PHLFGW19	6/19/23 16:01	17.1	19.7	2.2	61.0	81.4	81.4	-24.40	-24.39	0.2	0.2	-38.33	
PHLFGW19	7/18/23 13:18	13.7	19.7	3.4	63.2	86.8	86.8	-23.30	-23.31	0.0	0.0	-35.50	
PHLGW23R	2/20/23 12:23	46.3	31.9	3.8	18.0	88.2	88.2	-23.32	-23.32	0.0	5.4	-35.67	NO CHANGE
PHLGW23R	3/29/23 9:18	52.3	35.8	2.6	9.3	78.8	78.6	-26.43	-26.44	6.3		-26.44	NO CHANGE
PHLGW23R	4/10/23 11:46	45.4	32.2	3.5	18.9	89.1	89.0	-27.93	-27.92			-38.39	
PHLGW23R	5/8/23 8:59	57.8	34.9	2.1	5.2	86.4	86.5	-31.29	-31.27	5.5	5.5	-39.24	
PHLGW23R	6/28/23 15:48	51.6	36.3	1.8	10.3	95.3	95.4	-29.16	-29.14	6.2	6.2	-38.76	
PHLGW23R	7/10/23 12:11	53.1	36.8	1.2	8.9	95.5	95.5	-27.22	-27.21	5.6	5.6	-36.80	
PHLGW25R	2/21/23 9:13	58.3	38.7	0.0	3.0	87.2	87.8	-0.23	-0.26	22.2	22.1	-38.00	INCREASED FLOW/VACUUM
PHLGW25R	3/29/23 9:26	48.3	37.2	0.0	14.5	85.1	85.1	-2.63	-2.62	21.5	21.5	-38.43	NO CHANGE
PHLGW25R	4/10/23 11:39	45.3	35.5	0.0	19.2	90.6	90.6	-2.50	-2.50	22.2	22.3	-38.86	
PHLGW25R	5/8/23 10:35	45.3	35.9	0.0	18.8	90.2	90.3	-2.84	-2.83	21.9	21.9	-39.08	
PHLGW25R	6/19/23 14:15	41.1	34.3	0.0	24.6	91.4	91.4	-2.38	-2.38	22.2	22.2	-39.56	
PHLGW25R	7/25/23 8:00	34.9	32.5	0.8	31.8	89.9	90.0	-2.67	-2.64	21.6	21.6	-38.02	
PHLFGW28	2/20/23 12:55	48.1	34.4	0.2	17.3	70.2	70.2	-2.23	-2.22	2.0	2.4	-36.70	NO CHANGE
PHLFGW28	3/29/23 10:31	39.8	33.7	1.0	25.5	51.7	51.7	-2.98	-2.99	1.5	1.5	-38.01	NO CHANGE
PHLFGW28	4/10/23 10:38	38.1	31.7	0.4	29.8	72.8	71.5	-3.15	-3.08	2.1	2.2	-38.46	
PHLFGW28	4/10/23 10:50	44.9	35.0	0.3	19.8	105.8	105.9	-4.43	-4.41			-37.51	
PHLFGW28	5/8/23 10:27	44.5	34.1	0.4	21.0	64.0	63.9	-2.41	-2.38	1.5	1.5	-38.70	
PHLFGW28	6/19/23 15:59	47.0	33.6	0.5	18.9	81.2	81.2	-1.58	-1.55	2.6	2.6	-38.50	
PHLFGW28	7/18/23 13:15	44.8	33.4	0.3	21.5	80.2	80.0	-1.24	-1.23	3.2	3.1	-35.09	
PHHC1403	2/14/23 11:06	55.7	44.3	0.0	0.0	115.8	115.9	-0.14	-0.13	15.6	15.6	-20.98	NO CHANGE
PHHC1403	3/13/23 11:09	50.9	49.1	0.0	0.0	120.1	120.1	-0.53	-0.53	13.7	13.7	-35.04	
PHHC1403	4/24/23 11:12	56.8	42.2	0.2	0.8	121.0	121.0	-0.74	-0.69	18.5	18.6	-34.38	
PHHC1403	4/24/23 11:12	56.8	42.2	0.2	0.8	121.0	121.0	-0.74	-0.69	18.5	18.6	-34.38	
PHHC1403	5/1/23 11:01	55.6	44.4	0.0	0.0	119.7	120.1	-0.62	-1.21	17.2	35.4	-34.79	INCREASED FLOW/VACUUM
PHHC1403	6/12/23 15:41	48.7	38.9	0.1	12.3	122.3	122.3	-2.18	-2.15	32.4	32.5	-32.26	
PHHC1403	7/17/23 15:07	47.7	39.8	0.0	12.5	121.2	121.2	-2.18	-2.18	30.4	30.4	-27.56	
PHHC1405	2/20/23 10:15	24.3	25.4	0.9	49.4	72.2	72.3	-0.19	-0.18	0.0	0.0	-31.24	NO CHANGE
PHHC1405	3/13/23 12:22	27.6	27.1	2.2	43.1	120.0	120.0	-1.83	-1.84	5.1	4.8	-34.73	
PHHC1405	4/24/23 9:36	24.9	25.2	1.8	48.1	112.3	112.3	-0.59	-0.55	2.0	2.1	-33.68	
PHHC1405	5/1/23 12:11	27.5	27.3	1.2	44.0	108.6	108.7	-0.41	-0.39	1.6	1.6	-31.85	
PHHC1405	6/12/23 15:18	22.0	24.7	1.3	52.0	107.4	107.6	-0.14	-0.10	0.0	0.0	-32.68	
PHHC1405	7/17/23 13:01	26.6	27.5	0.0	45.9	112.6	113.2	-0.21	-0.26	4.6	4.6	-29.53	MINIMAL VACUUM SETTING
PHHC1406	2/20/23 10:24	56.1	42.7	0.0	1.2	75.7	76.0	-25.44	-25.44	38.9	38.9	-34.64	NO CHANGE
PHHC1406	3/30/23 10:20	54.9	45.1	0.0	0.0	135.2	135.6	-25.38	-28.02	34.6	57.2	-32.96	INCREASED FLOW/VACUUM,VALVE FULL OPEN
PHHC1406	3/30/23 10:21	55.8	44.2	0.0	0.0	135.8	135.8	-30.68	-30.68	45.8	46.5	-33.53	VALVE FULL OPEN
PHHC1406	4/24/23 9:21	55.9	43.8	0.3	0.0	138.8	137.3	-32.41	-31.95	35.2	39.6	-34.30	
PHHC1406	4/24/23 9:23	55.6	43.1	0.5	0.8	138.7	138.7	-32.50	-32.43	40.6	44.0	-33.94	SECOND READING
PHHC1406	4/24/23 9:23	55.6	43.1	0.5	0.8	138.7	138.7	-32.50	-32.43	40.6	44.0	-33.94	SECOND READING
PHHC1406	5/1/23 12:20	56.2	43.4	0.3	0.1	121.9	121.7	-31.81	-31.84	37.1	38.2	-31.82	
PHHC1406	5/1/23 12:20	56.2	43.4	0.3	0.1	121.9	121.7	-31.81	-31.84	37.1	38.2	-31.82	
PHHC1406	6/12/23 14:28	54.9	42.8	0.2	2.1	139.4	139.4	-32.67	-32.65	38.9	38.9	-32.65	
PHHC1406	6/12/23 14:28	55.5	43.8	0.0	0.7	139.5	139.6	-32.62	-32.62	39.0	38.9	-32.61	SECOND READING
PHHC1406	7/17/23 12:45	54.5	45.5	0.0	0.0	138.3	138.4	-30.44	-30.42	45.5	33.7	-31.94	VALVE FULL OPEN
PHHC1406	7/17/23 12:46	54.7	45.3	0.0	0.0	138.3	138.3	-30.52	-30.50	33.5	41.6	-30.48	VALVE FULL OPEN
PHHC1407	2/20/23 9:51	50.9	41.9	1.0	6.2	60.2	60.2	-31.72	-31.71	0.0	0.0	-31.71	NO CHANGE
PHHC1407	3/30/23 10:29	41.0	35.7	4.7	18.6	62.3	62.3	-29.60	-29.58	0.0	0.0	-29.56	MINIMAL VACUUM SETTING
PHHC1407	4/24/23 9:09	44.4	36.9	4.2	14.5	63.1	63.2	-30.34	-30.92	0.0	0.0	-34.33	
PHHC1407	5/22/23 10:47	41.8	34.3	4.8	19.1	73.0	73.1	-31.21	-31.22	0.2	0.2	-31.22	MINIMAL VACUUM SETTING
PHHC1407	6/7/23 16:15	43.7	36.1	4.4	15.8	71.5	71.4	-32.10	-32.10	0.0	0.0	-32.10	

Potrero Hills Landfill - Well Data - 02/01/2023 to 07/31/2023

Point Name	Record Date	CH4 [%]	CO2 [%]	O2 [%]	Bal Gas [%]	Init Temp [°F]	Adj Temp [°F]	Init Stat Press ["H2O]	Adj Stat Press ["H2O]	Init Flow [scfm]	Adj Flow [scfm]	Sys Pressure ["H2O]	Comments
PHHC1407	7/17/23 12:32	40.7	34.7	4.8	19.8	91.4	91.4	-28.88	-29.36	0.0	0.0	-28.74	MINIMAL VACUUM SETTING
PHHC1501	2/6/23 9:56	56.1	43.9	0.0	0.0	62.7	62.8	-5.98	-5.98	19.5	19.5	-28.62	NO CHANGE
PHHC1501	3/13/23 13:07	53.8	46.2	0.0	0.0	74.2	74.2	-1.94	-1.94	9.6	8.1	-10.14	
PHHC1501	4/24/23 13:15	55.5	42.7	0.1	1.7	90.7	91.4	-5.52	-5.49	16.6	17.7	-26.70	
PHHC1501	5/15/23 13:40	54.2	41.3	0.3	4.2	98.9	99.0	-5.17	-5.16	16.4	16.9	-28.71	
PHHC1501	6/28/23 16:32	53.2	42.8	0.9	3.1	82.2	82.2	-5.15	-5.14	17.3	17.1	-27.91	
PHHC1501	7/25/23 10:04	49.7	41.1	0.5	8.7	87.1	87.1	-6.04	-6.03	17.0	17.5	-27.15	
PHHC1502	2/6/23 10:03	50.7	38.2	0.9	10.2	120.6	120.6	-2.94	-2.94	13.6	13.6	-21.68	NO CHANGE
PHHC1502	3/13/23 13:15	56.2	43.8	0.0	0.0	108.0	108.0	-0.40	-0.40	0.9	0.9	-1.34	
PHHC1502	4/24/23 11:15	56.7	41.2	0.2	1.9	126.8	126.8	-3.04	-3.02	7.2	7.2	-34.97	
PHHC1502	4/24/23 11:15	56.7	41.2	0.2	1.9	126.8	126.8	-3.04	-3.02	7.2	7.2	-34.97	
PHHC1502	5/15/23 13:34	52.7	40.6	0.1	6.6	125.0	125.0	-2.12	-2.11	11.0	10.7	-26.16	
PHHC1502	6/28/23 16:36	44.9	35.1	3.2	16.8	117.5	117.7	-1.62	-1.62	8.1	8.1	-32.48	
PHHC1502	7/25/23 9:59	45.4	35.7	2.8	16.1	119.4	119.6	-1.51	-1.51	6.9	6.9	-31.88	
PHHC1504	2/21/23 10:51	43.4	39.2	3.3	14.1	65.6	65.6	-17.61	-17.62	0.4	0.4	-17.62	MINIMAL VACUUM SETTING
PHHC1504	3/13/23 13:29	40.1	36.4	3.7	19.8	66.6	66.7	-2.75	-2.75	0.0	0.0	-2.74	
PHHC1504	4/24/23 12:37	48.4	40.3	2.3	9.0	74.5	74.5	-15.05	-17.02	2.1	2.9	-19.10	
PHHC1504	5/15/23 10:58	39.4	31.4	4.8	24.4	68.5	68.5	-26.98	-18.05		1.0	-20.28	
PHHC1504	6/28/23 16:45	29.4	26.6	8.1	35.9	78.2	78.2	-24.48	-24.47	0.0	0.2	-24.47	
PHHC1504	6/28/23 16:47	20.7	17.4	12.6	49.3	78.4	78.4	-24.55	-24.57	0.5	0.5	-24.57	DECREASED FLOW/VACUUM,SECOND READING
PHHC1507	2/20/23 9:00	51.6	47.5	0.0	0.9	54.1	54.3	0.26	0.28	0.0	0.0	0.26	NO CHANGE
PHHC1507	2/20/23 9:01	51.5	47.7	0.0	0.8	55.9	56.0	0.40	0.40	0.0	0.0	0.39	SECOND READING
PHHC1507	2/21/23 11:09	52.4	47.6	0.0	0.0	66.0	66.0	1.13	1.13	0.9	0.9	1.15	
PHHC1507	2/21/23 12:01	53.1	45.2	0.6	1.1	76.7	76.7	-19.15	-19.43	5.3	4.7	-26.40	
PHHC1507	3/13/23 13:50	0.1	1.0	20.0	78.9	65.7	65.6	-28.02	-28.01	0.0	0.0	-28.01	MINIMAL VACUUM SETTING
PHHC1507	3/13/23 13:51	0.0	0.7	20.2	79.1	65.8	65.8	-28.10	-28.08	0.0	0.0	-28.08	MINIMAL VACUUM SETTING
PHHC1507	3/22/23 11:24	0.0	0.5	21.2	78.3	52.6	52.6	-28.63	-28.64	0.3	0.2	-28.65	DECREASED FLOW/VACUUM
PHHC1507	3/22/23 11:26	0.0	0.4	21.3	78.3	52.4	52.2	-19.05	-19.43	0.0	0.0	-28.60	SECOND READING
PHHC1507	4/24/23 8:50	52.8	46.6	0.6	0.0	76.9	77.0	-15.94	-13.46	3.4	3.3	-26.75	
PHHC1507	5/1/23 11:27	53.5	46.3	0.2	0.0	79.1	79.2	-15.09	-16.05	4.1	3.9	-24.98	
PHHC1507	6/7/23 13:35	46.5	46.1	0.4	7.0	90.5	90.8	-23.10	-23.08	2.6	2.4	-25.68	
PHHC1507	7/17/23 11:37	49.9	46.9	0.2	3.0	97.7	97.9	-27.80	-27.83	0.7	0.7	-28.53	
PHLCRS01	2/6/23 10:01	1.8	8.6	18.0	71.6	57.6	57.7	-35.28	-35.33	0.3	0.3	-35.32	
PHLCRS01	3/30/23 9:46	22.4	16.0	11.1	50.5	53.3	53.4	-33.97	-33.36	0.0	0.7	-33.37	MINIMAL VACUUM SETTING
PHLCRS01	3/30/23 9:46	22.0	16.1	11.4	50.5	53.4	53.3	-33.35	-33.38	0.3	0.3	-33.38	MINIMAL VACUUM SETTING
PHLCRS01	4/5/23 12:49	30.1	20.9	7.5	41.5	68.9	68.9	-33.02	-33.05	0.4	0.4	-33.04	
PHLCRS01	5/15/23 13:33	14.3	6.2	15.3	64.2	80.2	80.1	-33.43	-33.44	0.0	0.0	-33.45	
PHLCRS01	6/19/23 10:48	17.1	9.9	13.2	59.8	72.1	72.8	-33.25	-33.66	1.2	0.7	-34.34	
PHLCRS01	7/17/23 12:09	13.4	6.6	14.3	65.7	91.8	92.0	-33.21	-33.17	0.0	0.0	-33.18	NO CHANGE
PHLCRS01	7/17/23 12:11	13.0	6.5	14.1	66.4	92.8	93.4	-33.31	-32.87	0.0	0.6	-33.25	
PHLCRS04	2/20/23 10:32	10.7	19.9	13.3	56.1	63.1	62.7	-1.20	-0.26	44.8	18.2	-34.38	DECREASED FLOW/VACUUM,MINIMAL VACUUM SETTING
PHLCRS04	2/20/23 10:33	10.6	17.3	14.0	58.1	61.8	61.8	-0.16	-0.16	16.7	16.8	-34.62	MINIMAL VACUUM SETTING
PHLCRS04	2/20/23 13:29	14.3	23.3	12.3	50.1	64.6	64.6	-0.24	-0.24	16.1	16.3	-33.79	MINIMAL VACUUM SETTING
PHLCRS04	3/30/23 9:00	20.2	37.8	8.5	33.5	63.0	63.1	-0.30	-0.28	14.8	10.5	-33.53	DECREASED FLOW/VACUUM,MINIMAL VACUUM SETTING
PHLCRS04	4/24/23 11:07	1.7	4.4	19.0	74.9	71.4	71.4	-0.10	-0.10	9.6	9.5	-33.75	MINIMAL VACUUM SETTING
PHLCRS04	5/15/23 13:45	49.6	45.7	1.3	3.4	76.6	76.6	-0.20	-0.21	20.4	20.4	-32.82	
PHLCRS04	6/19/23 10:56	0.1	0.5	20.4	79.0	79.7	79.8	-0.42	-0.27	22.3	12.6	-33.70	MINIMAL VACUUM SETTING
PHLCRS04	6/19/23 10:58	0.0	0.3	20.5	79.2	79.9	79.9	-0.28	-0.27	12.0	12.0	-33.94	MINIMAL VACUUM SETTING
PHLCRS04	7/10/23 9:28	0.3	1.1	19.9	78.7	79.6	79.6	-0.26	-0.24	12.9	13.0	-35.20	MINIMAL VACUUM SETTING
PHLCRS04	7/10/23 9:29	0.2	0.6	20.0	79.2	79.6	79.6	-0.18	-0.17	9.9	10.0	-34.86	MINIMAL VACUUM SETTING
PHLCRS04	7/17/23 11:10	0.2	0.6	19.7	79.5	83.5	83.7	-0.22	-0.23	10.9	10.9	-32.30	NO CHANGE
PHLCRS04	7/17/23 11:12	0.2	0.3	19.8	79.7	84.1	84.1	-0.28	-0.27	10.6	10.7	-33.73	SECOND READING
PHLCRS05	2/20/23 12:06	58.0	41.8	0.0	0.2	96.4	96.5	-12.65	-13.61	188.1	190.0	-25.67	VALVE FULL OPEN
PHLCRS05	3/30/23 12:06	0.2	2.0	20.3	77.5	95.8	95.8	-12.06	-12.37	184.9	183.5	-14.27	SURGING
PHLCRS05	3/30/23 12:06	0.1	1.2	20.7	78.0	95.9	95.9	-12.45	-13.09	175.9	177.5	-27.34	SECOND READING
PHLCRS05	4/24/23 9:34	57.8	42.1	0.1	0.0	98.0	97.9	-13.66	-14.62	187.9	176.5	-27.01	VALVE FULL OPEN
PHLCRS05	5/15/23 11:16	37.1	44.2	1.1	17.6	99.4	99.5	-15.23	-12.43	149.7	175.0	-27.26	
PHLCRS05	6/19/23 13:23	58.6	41.4	0.0	0.0	96.5	96.5	-17.52	-14.04	158.3	181.4	-29.19	VALVE FULL OPEN
PHLCRS05	7/10/23 12:34	55.1	40.2	0.2	4.5	99.7	99.7	-15.27	-13.18	173.0	166.8	-25.06	VALVE FULL OPEN
PHLCRS06	2/20/23 12:10	57.1	41.9	0.0	1.0	96.4	96.5	-3.22	-4.15	76.4	91.7	-42.43	INCREASED FLOW/VACUUM
PHLCRS06	3/30/23 12:12	57.5	42.3	0.2	0.0	94.8	94.8	-4.66	-4.66	91.5	91.5	-40.80	NO CHANGE
PHLCRS06	4/24/23 9:36	57.8	42.2	0.0	0.0	95.6	95.6	-4.50	-4.51	93.8	90.8	-42.71	
PHLCRS06	5/15/23 11:20	58.4	41.0	0.6	0.0	98.4	98.4	-4.51	-4.52	91.1	91.1	-39.25	
PHLCRS06	6/19/23 13:27	59.1	40.9	0.0	0.0	97.1	97.1	-4.51	-4.49	92.9	93.4	-38.82	INCREASED FLOW/VACUUM
PHLCRS06	7/10/23 12:39	56.0	41.0	0.0	3.0	98.0	98.6	-8.28	-10.86		27.3	-36.20	VALVE FULL OPEN
PHLCRS07	2/20/23 12:13	42.5	50.9	0.0	6.6	96.7	96.7	-1.31	-0.93	40.3	34.0	-35.16	DECREASED FLOW/VACUUM
PHLCRS07	3/30/23 12:16	45.1	52.6	0.0	2.3	90.6	90.6	-1.12	-1.12	32.8	32.8	-34.28	NO CHANGE
PHLCRS07	4/24/23 9:39	51.0	49.0	0.0	0.0	94.4	94.4	-0.97	-0.97	33.6	32.7	-36.45	
PHLCRS07	5/15/23 11:23	51.8	43.3	0.3	4.6	97.1	97.1	-1.01	-1.01	33.4	33.4	-32.92	
PHLCRS07	6/19/23 13:32	57.2	42.8	0.0	0.0	97.0	97.3	-1.13	-1.75	35.0	50.4	-35.54	INCREASED FLOW/VACUUM
PHLCRS07	6/19/23 13:33	56.1	43.9	0.0	0.0	97.5	97.5	-1.84	-1.84	49.5	49.9	-35.67	
PHLCRS07	7/10/23 12:43	53.0	42.0	0.6	4.4	99.5	99.5	-2.20	-2.45	46.0	55.1	-31.55	INCREASED FLOW/VACUUM
PHLCRS08	2/20/23 12:20	44.7	54.2	0.0	1.1	91.4	91.4	-1.21	-1.20	35.7	35.8	-34.81	
PHLCRS08	3/30/23 12:23	53.5	46.5	0.0	0.0	82.4	82.4	-0.78	-0.77	25.7	25.6	-33.70	NO CHANGE
PHLCRS08	4/24/23 9:46	53.2	46.8	0.0	0.0	83.5	84.0	-0.63	-1.30	24.5	47.7	-35.49	INCREASED FLOW/VACUUM
PHLCRS08	5/15/23 11:29	54.0	45.7	0.0	0.3	94.0	94.0	-1.38	-1.38	43.8	43.9	-33.04	

Potrero Hills Landfill - Well Data - 02/01/2023 to 07/31/2023

Point Name	Record Date	CH4 [%]	CO2 [%]	O2 [%]	Bal Gas [%]	Init Temp [°F]	Adj Temp [°F]	Init Stat Press ["H2O]	Adj Stat Press ["H2O]	Init Flow [scfm]	Adj Flow [scfm]	Sys Pressure ["H2O]	Comments
PHLCRS08	6/19/23 13:40	57.0	43.0	0.0	0.0	93.0	93.5	-1.54	-2.29	44.8	62.7	-33.44	INCREASED FLOW/VACUUM
PHLCRS08	7/10/23 12:51	54.8	44.3	0.0	0.9	100.7	100.5	-2.49	-3.89	57.8	80.0	-30.03	INCREASED FLOW/VACUUM
PHLCRS09	2/20/23 12:24	52.4	45.5	0.0	2.1	90.4	91.0	-1.31	-1.92	48.6	65.8	-34.36	INCREASED FLOW/VACUUM
PHLCRS09	3/30/23 12:29	58.7	41.3	0.0	0.0	91.1	91.2	-2.03	-1.99	63.1	63.1	-34.19	NO CHANGE
PHLCRS09	4/24/23 9:50	58.5	41.5	0.0	0.0	87.3	87.4	-1.80	-2.59	62.5	79.8	-35.54	INCREASED FLOW/VACUUM
PHLCRS09	5/15/23 11:40	55.4	41.8	0.6	2.2	98.0	98.0	-2.93	-2.91	80.3	79.4	-38.86	
PHLCRS09	6/19/23 13:43	54.0	39.9	0.5	5.6	95.6	95.6	-3.03	-3.03	82.6	82.6	-39.02	
PHLCRS09	7/10/23 12:56	42.3	35.8	3.0	18.9	105.4	106.1	-2.92	-1.54	75.0	48.8	-32.54	DECREASED FLOW/VACUUM
PHLCRS09	7/10/23 12:58	48.6	38.5	1.8	11.1	106.8	107.0	-1.65	-1.27	51.0	45.7	-34.67	
PHLCRS10	2/20/23 12:33	33.3	54.2	0.4	12.1	93.3	93.5	-0.41	-0.40	12.4	12.6	-34.24	MINIMAL VACUUM SETTING
PHLCRS10	3/30/23 12:36	0.0	0.8	20.9	78.3	69.8	70.1	-32.92	-32.92	1.7	1.7	-32.92	NO CHANGE
PHLCRS10	3/30/23 12:38	0.0	0.4	21.0	78.6	75.6	75.7	-32.92	-32.91	1.7	1.7	-32.91	SECOND READING
PHLCRS10	4/24/23 9:58	42.5	50.6	0.7	6.2	82.1	83.2	-17.91	-13.22	7.4	2.8	-29.47	DECREASED FLOW/VACUUM
PHLCRS10	5/15/23 11:46	0.4	2.4	20.6	76.6	100.3	100.3	-0.02	-0.02	3.8	3.8	-32.56	
PHLCRS10	6/19/23 13:51	0.1	0.4	20.8	78.7	96.1	96.3	-0.11	-0.11	9.4	9.4	-34.49	MINIMAL VACUUM SETTING
PHLCRS10	6/19/23 13:53	0.0	0.1	21.0	78.9	97.9	97.9	-0.19	-0.19	9.3	9.3	-34.70	MINIMAL VACUUM SETTING
PHLCRS10	7/10/23 13:07	0.0	1.7	19.7	78.6	111.6	111.8	-0.25	-0.25	7.5	7.5	-31.78	MINIMAL VACUUM SETTING
PHLCRS10	7/10/23 13:08	0.0	0.6	20.0	79.4	110.6	111.1	-0.28	-0.28	7.5	7.5	-31.99	MINIMAL VACUUM SETTING
PHHZ1901	2/14/23 8:55	30.4	30.0	0.0	39.6	80.1	80.1	-4.67	-4.67	5.6	5.7	-22.77	NO CHANGE
PHHZ1901	3/29/23 13:17	29.5	30.2	0.0	40.3	80.6	80.6	-5.79	-5.79	6.7	6.8	-34.71	NO CHANGE
PHHZ1901	4/17/23 12:39	41.4	34.0	0.0	24.6	93.3	92.2	-7.14	-7.29	6.3	12.7	-27.33	
PHHZ1901	5/8/23 10:56	16.3	20.0	4.3	59.4	98.3	84.7	-11.50	-10.22	22.1	35.9	-35.00	DECREASED FLOW/VACUUM
PHHZ1901	6/19/23 12:35	20.6	25.9	0.0	53.5	98.6	98.7	-7.93	-7.93	8.9	8.9	-35.13	MINIMAL VACUUM SETTING
PHHZ1901	7/18/23 15:14	22.3	25.5	0.4	51.8	102.1	102.2	-6.23	-6.22	8.8	8.8	-31.87	
PHHZ1902	2/14/23 9:26	56.1	43.7	0.0	0.2	99.2	99.2	-21.37	-21.36	32.6	32.5	-22.22	NO CHANGE
PHHZ1902	3/29/23 13:23	56.6	42.8	0.0	0.6	100.8	100.8	-31.90	-31.89	51.9	49.7	-35.56	NO CHANGE
PHHZ1902	4/17/23 12:33	56.4	43.6	0.0	0.0	100.3	100.3	-28.37	-28.37	38.5	36.7	-28.68	VALVE FULL OPEN
PHHZ1902	5/8/23 10:45	55.8	43.3	0.0	0.9	101.7	101.7	-32.27	-32.29	44.4	45.3	-35.08	VALVE FULL OPEN
PHHZ1902	6/19/23 12:32	53.2	42.3	0.0	4.5	103.1	103.2	-33.45	-33.44	39.8	39.8	-33.43	VALVE FULL OPEN
PHHZ1902	7/18/23 15:19	52.5	42.0	0.4	5.1	104.6	104.8	-30.21	-30.20	39.0	39.1	-30.20	
PHHZ1903	2/14/23 9:56	56.4	43.1	0.0	0.5	101.7	101.7	-20.40	-20.41	36.1	35.2	-22.22	NO CHANGE
PHHZ1903	3/29/23 13:31	56.9	42.3	0.0	0.8	102.7	102.7	-30.41	-32.67	56.5	38.7	-32.31	NO CHANGE,SURGING LIQUID IN WELL
PHHZ1903	4/17/23 12:24	57.0	43.0	0.0	0.0	102.5	102.5	-30.33	-30.32	46.5	46.5	-33.55	VALVE FULL OPEN
PHHZ1903	5/8/23 10:30	57.0	42.8	0.0	0.2	103.6	103.6	-30.57	-30.57	44.1	42.7	-33.43	VALVE FULL OPEN
PHHZ1903	6/19/23 12:25	55.1	41.8	0.0	3.1	104.7	104.7	-32.35	-32.33	41.4	41.0	-32.32	VALVE FULL OPEN
PHHZ1903	7/18/23 15:25	50.3	39.3	0.3	10.1	105.9	105.9	-29.28	-29.28	41.1	40.2	-29.27	
PHHZ1904	2/14/23 10:25	3.8	4.1	21.3	70.8	52.3	52.2	-21.95	-21.93	0.1	0.2	-21.93	NO CHANGE
PHHZ1904	2/14/23 10:26	3.2	3.4	21.7	71.7	51.5	51.5	-21.86	-21.85	0.2	0.2	-21.84	SECOND READING
PHHZ1904	2/20/23 11:28	53.0	43.3	0.6	3.1	96.0	96.2	-31.10	-31.05	1.6	1.7	-34.07	
PHHZ1904	3/13/23 10:49	24.7	19.2	13.3	42.8	58.5	58.5	-33.98	-34.01	0.0	0.0	-34.01	MINIMAL VACUUM SETTING
PHHZ1904	3/13/23 10:50	23.5	19.2	13.3	44.0	58.5	58.5	-34.34	-34.32	0.0	0.0	-34.32	MINIMAL VACUUM SETTING
PHHZ1904	4/17/23 12:06	9.9	8.8	17.1	64.2	54.7	54.7	-33.86	-33.85	0.0	0.0	-33.85	MINIMAL VACUUM SETTING
PHHZ1904	4/17/23 12:06	6.3	5.9	18.4	69.4	54.7	54.7	-33.93	-33.92	0.2	0.2	-33.92	MINIMAL VACUUM SETTING
PHHZ1904	5/15/23 9:50	57.0	42.4	0.4	0.2	66.1	66.4	-32.44	-32.43	0.7	0.6	-32.42	
PHHZ1904	6/7/23 13:06	44.9	34.6	4.2	16.3	67.2	67.0	-31.21	-31.21	0.6	0.6	-31.20	MINIMAL VACUUM SETTING
PHHZ1904	7/25/23 8:22	44.3	35.9	4.4	15.4	74.5	74.5	-33.25	-33.23	0.0	0.0	-33.21	
PHHZ2001	2/14/23 8:57	56.6	40.9	0.0	2.5	91.3	91.4	-21.51	-21.51	33.2	33.2	-21.50	NO CHANGE
PHHZ2001	3/29/23 13:19	56.9	40.1	0.0	3.0	91.9	91.9	-31.44	-31.44	52.5	52.4	-35.20	NO CHANGE
PHHZ2001	4/17/23 12:36	57.7	40.6	0.0	1.7	91.8	91.9	-24.95	-24.95	38.9	41.2	-29.08	VALVE FULL OPEN
PHHZ2001	5/8/23 10:51	58.6	41.4	0.0	0.0	94.1	94.2	-31.75	-31.75	45.6	44.5	-34.88	VALVE FULL OPEN
PHHZ2001	6/19/23 12:37	56.0	40.2	0.0	3.8	95.6	95.7	-32.84	-32.83	44.1	44.1	-32.83	VALVE FULL OPEN
PHHZ2001	7/18/23 15:12	52.7	37.9	0.4	9.0	99.5	99.7	-29.84	-29.84	42.7	42.7	-29.85	
PHHZ2002	2/14/23 9:24	41.4	33.0	0.0	25.6	80.7	80.7	-3.06	-3.05	3.7	4.1	-22.85	NO CHANGE
PHHZ2002	3/29/23 13:25	42.5	35.3	0.0	22.2	81.3	81.2	-3.92	-3.92	6.9	6.9	-35.16	NO CHANGE
PHHZ2002	4/17/23 12:31	50.6	37.0	0.0	12.4	96.0	96.1	-5.39	-5.37	23.3	23.2	-27.51	INCREASED FLOW/VACUUM
PHHZ2002	5/8/23 10:41	22.1	27.3	0.0	50.6	101.0	85.7	-10.13	-8.51	21.8	25.8	-34.97	DECREASED FLOW/VACUUM
PHHZ2002	6/19/23 12:30	26.9	28.6	0.0	44.5	97.2	97.2	-5.56	-5.56	6.0	6.0	-35.16	MINIMAL VACUUM SETTING
PHHZ2002	7/18/23 15:21	26.2	27.2	0.3	46.3	99.7	99.7	-3.83	-3.81	3.1	4.7	-31.85	
PHHZ2003	2/14/23 9:58	34.2	31.7	0.0	34.1	77.9	77.9	-2.81	-2.80	2.0	2.4	-21.90	NO CHANGE
PHHZ2003	3/29/23 13:29	36.7	32.7	0.0	30.6	76.3	76.4	-3.74	-3.74	0.0	1.8	-33.81	NO CHANGE
PHHZ2003	4/17/23 12:21	45.4	35.1	0.0	19.5	97.5	98.0	-5.42	-5.48	23.8	25.1	-32.92	
PHHZ2003	4/17/23 12:22	49.7	36.7	0.0	13.6	100.6	100.7	-6.69	-6.69	27.1	27.1	-33.14	
PHHZ2003	5/8/23 10:35	33.7	31.6	0.0	34.7	107.1	96.2	-11.91	-9.35	21.3	43.0	-33.63	DECREASED FLOW/VACUUM
PHHZ2003	6/19/23 12:27	28.8	30.1	0.0	41.1	105.0	105.0	-7.39	-7.40	8.6	8.6	-35.08	MINIMAL VACUUM SETTING
PHHZ2003	7/18/23 15:23	27.5	28.3	0.2	44.0	106.2	106.4	-4.92	-4.91	7.5	7.5	-31.18	
PHHZ2004	2/14/23 10:28	43.5	33.0	0.0	23.5	96.7	96.7	-2.01	-2.01	4.0	4.0	-21.83	NO CHANGE
PHHZ2004	3/13/23 10:45	40.7	35.0	0.0	24.3	101.3	101.1	-3.17	-3.17	5.0	5.0	-34.53	MINIMAL VACUUM SETTING
PHHZ2004	4/17/23 12:03	30.8	29.3	0.0	39.9	97.6	97.8	-3.46	-3.46	4.5	4.5	-34.33	MINIMAL VACUUM SETTING
PHHZ2004	5/15/23 9:52	9.8	22.2	0.0	68.0	103.6	103.8	-4.26	-4.26	4.1	4.1	-33.92	MINIMAL VACUUM SETTING
PHHZ2004	6/7/23 13:08	13.6	22.6	0.0	63.8	67.5	67.6	-4.24	-4.25	3.5	3.5	-33.77	
PHHZ2004	7/18/23 15:42	7.8	20.9	0.4	70.9	111.0	111.2	-2.62	-2.62	3.3	3.3	-32.24	
PHHZ2005	2/14/23 8:53	54.3	38.0	0.0	7.7	48.7	48.8	-1.61	-1.61	8.0	8.0	-23.31	NO CHANGE
PHHZ2005	3/29/23 13:15	55.2	37.4	0.0	7.4	50.0	50.1	-2.14	-2.13	9.4	9.5	-35.38	NO CHANGE
PHHZ2005	4/17/23 12:43	55.7	38.1	0.0	6.2	67.0	67.0	-3.94	-7.13	21.0	22.4	-24.93	INCREASED FLOW/VACUUM
PHHZ2005	5/8/23 11:01	36.6	30.8	0.0	32.6	80.3	80.0	-7.42	-7.02	23.0	15.9	-34.64	DECREASED FLOW/VACUUM
PHHZ2005	6/19/23 12:39	41.6	32.7	0.0	25.7	99.5	99.6	-4.80	-4.80	15.8	15.9	-35.64	
PHHZ2005	7/18/23 15:10	39.2	30.9	0.3	29.6	104.2	104.7	-4.09	-4.07	15.3	15.3	-32.10	
PHHZ2006	2/14/23 8:38	40.4	32.7	0.0	26.9	50.6	50.7	-0.34	-0.34	6.2	6.2	-23.34	NO CHANGE

Potrero Hills Landfill - Well Data - 02/01/2023 to 07/31/2023

Point Name	Record Date	CH4 [%]	CO2 [%]	O2 [%]	Bal Gas [%]	Init Temp [°F]	Adj Temp [°F]	Init Stat Press ["H2O]	Adj Stat Press ["H2O]	Init Flow [scfm]	Adj Flow [scfm]	Sys Pressure ["H2O]	Comments
PHHZ2006	3/29/23 13:04	41.9	33.3	0.0	24.8	50.9	51.1	-0.36	-0.36	7.0	7.0	-35.33	NO CHANGE
PHHZ2006	4/10/23 12:06	42.4	31.3	0.2	26.1	95.4	95.4	-0.05	-0.04	4.6	4.7	-35.83	
PHHZ2006	4/17/23 12:55	43.1	33.1	0.0	23.8	68.9	68.9	-1.27	-1.27	19.1	19.1	-27.91	
PHHZ2006	5/8/23 11:29	21.0	24.0	0.0	55.0	79.8	76.6	-1.99	-1.16	19.9	15.9	-35.26	DECREASED FLOW/VACUUM
PHHZ2006	6/19/23 12:49	32.9	29.2	0.0	37.9	97.4	97.5	-1.11	-1.11	13.9	13.7	-35.53	
PHHZ2006	7/18/23 14:59	28.1	26.8	0.2	44.9	100.0	100.2	-0.59	-0.59	11.2	11.2	-31.28	
PHHZ2007	2/14/23 8:48	19.6	17.4	4.7	58.3	49.5	49.5	-3.32	-3.32	7.7	7.8	-23.31	NO CHANGE
PHHZ2007	3/29/23 13:10	21.2	18.2	4.9	55.7	52.4	52.4	-4.49	-4.49	9.7	9.7	-35.25	NO CHANGE
PHHZ2007	4/17/23 12:48	27.6	18.3	4.7	49.4	65.4	65.3	-8.46	-8.42	13.3	13.4	-26.19	
PHHZ2007	5/8/23 11:08	12.4	13.2	8.1	66.3	70.5	70.4	-7.63	-7.53	10.3	10.3	-35.56	MINIMAL VACUUM SETTING
PHHZ2007	5/8/23 11:09	12.6	13.1	8.1	66.2	70.3	70.3	-6.62	-6.62	10.6	10.6	-35.67	MINIMAL VACUUM SETTING
PHHZ2007	6/19/23 12:43	16.1	14.3	6.6	63.0	91.7	92.1	-5.28	-4.90	10.5	8.6	-36.18	DECREASED FLOW/VACUUM,MINIMAL VACUUM SETTING
PHHZ2007	6/19/23 12:44	16.1	14.1	6.6	63.2	92.0	92.0	-4.90	-4.91	9.1	9.1	-36.24	MINIMAL VACUUM SETTING
PHHZ2007	7/18/23 15:02	16.4	15.1	6.5	62.0	93.0	92.9	-3.86	-3.84	8.5	8.5	-32.50	
PHHZ2007	7/18/23 15:03	16.4	15.1	6.4	62.1	92.9	92.9	-3.67	-3.68	8.5	8.5	-32.36	SECOND READING
PHHZ2008	2/14/23 8:44	10.2	12.3	9.3	68.2	47.3	47.3	-4.20	-4.20	4.9	4.9	-23.43	DECREASED FLOW/VACUUM
PHHZ2008	2/14/23 8:45	10.3	12.3	9.4	68.0	47.4	47.5	-3.72	-3.72	3.8	3.8	-23.33	SECOND READING
PHHZ2008	3/29/23 13:07	10.7	13.5	9.0	66.8	50.7	50.7	-6.78	-6.66	5.8	5.8	-35.49	DECREASED FLOW/VACUUM
PHHZ2008	3/29/23 13:09	10.7	13.4	9.1	66.8	51.1	51.1	-6.65	-6.60	5.9	5.8	-35.27	SECOND READING
PHHZ2008	4/10/23 12:10	9.1	10.7	9.3	70.9	93.4	93.3	-10.69	-10.18	5.3	5.3	-35.88	
PHHZ2008	4/10/23 12:15	9.0	10.5	9.4	71.1	92.2	92.5	-8.30	-8.83	8.1	11.8	-35.59	INCREASED FLOW/VACUUM,SECOND READING
PHHZ2008	4/17/23 12:50	12.7	11.4	10.1	65.8	64.2	63.7	-11.74	-8.96	3.9	2.6	-26.76	DECREASED FLOW/VACUUM
PHHZ2008	5/8/23 11:24	1.4	4.8	13.3	80.5	68.7	68.8	-3.61	-3.61	2.4	2.4	-34.83	MINIMAL VACUUM SETTING
PHHZ2008	5/8/23 11:26	1.4	4.7	13.3	80.6	67.9	68.2	-3.43	-3.45	2.4	2.4	-34.77	MINIMAL VACUUM SETTING
PHHZ2008	6/19/23 12:46	8.1	9.6	10.7	71.6	86.8	86.9	-3.53	-3.53	2.4	2.4	-35.87	MINIMAL VACUUM SETTING
PHHZ2008	6/19/23 12:46	7.8	9.3	10.7	72.2	87.7	87.8	-3.48	-3.49	2.4	2.4	-35.96	MINIMAL VACUUM SETTING
PHHZ2008	7/18/23 15:05	11.5	12.4	9.5	66.6	95.2	95.2	-2.43	-2.43	2.3	2.3	-32.26	
PHHZ2008	7/18/23 15:06	11.3	12.4	9.4	66.9	95.3	95.4	-2.42	-2.42	2.3	2.3	-32.10	SECOND READING
PHL1801S	2/21/23 10:08	55.3	44.7	0.0	0.0	115.1	115.5	-0.36	-0.36	18.3	22.0	-34.28	INCREASED FLOW/VACUUM
PHL1801S	3/30/23 12:07	54.9	44.9	0.2	0.0	111.3	118.1	-1.36	-2.93	5.9	10.4	-35.30	INCREASED FLOW/VACUUM
PHL1801S	4/24/23 10:27	50.4	40.3	0.3	9.0	118.5	118.5	-3.35	-3.35	42.0	44.6	-36.00	
PHL1801S	5/15/23 10:28	39.2	36.6	0.6	23.6	120.3	120.3	-3.34	-3.34	44.3	42.7	-35.95	
PHL1801S	6/19/23 16:22	39.4	37.0	0.1	23.5	120.2	120.2	-3.09	-3.06	41.8	41.9	-33.62	
PHL1801S	7/25/23 9:34	38.1	36.7	1.4	23.8	119.9	120.0	-3.37	-3.36	41.3	41.4	-33.62	
PHL1802D	2/21/23 10:14	38.6	45.9	3.0	12.5	62.0	62.0	-32.31	-32.30	0.3	0.3	-33.50	
PHL1802D	3/30/23 11:56	14.0	16.6	14.3	55.1	64.8	64.7	-28.30	-28.31	1.2	1.2	-28.30	MINIMAL VACUUM SETTING
PHL1802D	3/30/23 12:01	38.8	44.0	3.1	14.1	63.7	63.7	-32.18	-32.17	0.1	0.1	-32.16	MINIMAL VACUUM SETTING
PHL1802D	4/24/23 10:33	13.0	14.8	14.0	58.2	73.8	73.8	-30.97	-32.01	2.1	1.8	-32.01	
PHL1802D	4/24/23 10:33	13.0	13.8	15.3	57.9	73.7	73.8	-31.38	-31.96	1.8	1.8	-31.97	
PHL1802D	4/24/23 10:39	36.7	41.0	4.5	17.8	70.6	70.7	-30.99	-33.19	0.7	1.0	-33.19	
PHL1802D	5/15/23 10:38	36.2	41.9	4.4	17.5	77.1	76.4	-32.22	-31.81	0.8	0.9	-31.82	
PHL1802D	6/19/23 16:24	45.4	49.3	1.2	4.1	81.6	81.5	-30.67	-30.68	0.0	0.0	-30.68	
PHL1802D	7/25/23 9:37	42.9	47.2	2.0	7.9	80.5	80.5	-29.63	-29.61	0.0	0.2	-29.60	
PHL1802S	2/21/23 10:16	51.1	48.9	0.0	0.0	124.9	126.3	-3.20	-4.54	7.8	11.2	-34.23	INCREASED FLOW/VACUUM
PHL1802S	3/30/23 12:03	52.9	47.1	0.0	0.0	124.6	125.4	-4.08	-5.09	7.8	12.1	-32.59	INCREASED FLOW/VACUUM
PHL1802S	4/24/23 10:35	54.0	45.9	0.1	0.0	129.7	129.8	-5.35	-5.36	10.9	11.0	-32.02	
PHL1802S	5/15/23 10:36	47.1	45.6	0.1	7.2	129.6	129.8	-2.57	-2.55	4.4	4.5	-32.05	
PHL1802S	6/19/23 16:26	49.5	44.4	0.8	5.3	104.2	104.3	-0.48	-0.45	1.2	1.3	-32.03	
PHL1802S	7/25/23 9:39	42.7	40.7	2.2	14.4	99.6	99.7	-0.60	-0.60	1.0	1.1	-27.85	MINIMAL VACUUM SETTING
PHL1803D	2/6/23 12:41	45.2	40.1	1.2	13.5	82.8	82.8	-10.11	-10.52	76.0	183.1	-33.70	NO CHANGE
PHL1803D	3/30/23 10:55	40.5	39.6	3.4	16.5	77.7	78.2	-6.64	-6.65	7.7	7.5	-30.43	MINIMAL VACUUM SETTING
PHL1803D	4/5/23 11:36	41.1	39.8	3.3	15.8	87.4	87.4	-5.39	-5.39			-33.70	MINIMAL VACUUM SETTING
PHL1803D	4/17/23 12:44	49.8	46.2	1.3	2.7	91.8	92.2	-11.15	-11.14	5.6	5.8	-24.66	
PHL1803D	5/1/23 10:57	45.5	43.2	2.5	8.8	117.1	117.1	-13.74	-13.69	3.2	2.9	-30.07	
PHL1803D	6/7/23 13:09	48.7	46.3	0.4	4.6	99.0	100.5	-4.55	-5.05	3.7	3.5	-27.00	
PHL1803D	7/17/23 10:59	51.1	48.9	0.0	0.0	120.7	120.7	-11.16	-10.69	6.0	6.0	-30.51	
PHL1803S	2/6/23 12:43	52.6	46.3	0.0	1.1	69.0	69.0	-4.27	-4.26	22.3	94.9	-34.47	NO CHANGE
PHL1803S	3/30/23 10:51	52.2	47.8	0.0	0.0	137.7	137.7	-5.46	-5.44			-31.88	
PHL1803S	3/30/23 10:52	52.5	47.5	0.0	0.0	137.0	137.1	-4.96	-4.96			-32.63	
PHL1803S	4/5/23 11:40	52.6	47.4	0.0	0.0	139.5	139.5	-5.20	-5.22			-32.42	
PHL1803S	4/5/23 11:41	52.5	47.5	0.0	0.0	138.8	138.9	-5.73	-5.74			-32.12	
PHL1803S	4/17/23 12:49	52.0	48.0	0.0	0.0	131.3	131.3	-3.87	-3.85	63.4	62.7	-26.42	
PHL1803S	4/17/23 12:51	53.7	46.3	0.0	0.0	131.3	131.6	-3.52	-3.54	64.5	64.1	-24.25	
PHL1803S	5/1/23 10:59	53.8	46.2	0.1		132.5	132.3	-3.14	-3.13	72.1	74.3	-33.12	
PHL1803S	5/1/23 11:00	52.3	45.2	0.0	2.5	131.8	131.8	-3.16	-3.12	71.6	73.9	-32.63	SECOND READING
PHL1803S	6/7/23 13:11	54.8	45.1	0.1	0.0	132.8	132.9	-2.62	-2.61	67.1	67.6	-32.39	
PHL1803S	7/17/23 11:03	55.4	44.6	0.0	0.0	135.9	135.9	-4.73	-4.75	21.2	21.2	-29.39	
PHL1803S	7/18/23 16:01	53.2	40.7	1.4	4.7	136.2	137.1	-3.94	-3.93	10.3	9.6	-28.88	
PHL1804D	2/20/23 13:14	55.8	43.2	0.0	1.0	133.9	134.3	-11.83	-13.43	21.8	30.2	-33.78	INCREASED FLOW/VACUUM
PHL1804D	2/20/23 13:14	55.0	44.9	0.0	0.1	134.9	134.9	-14.94	-14.94	29.0	29.1	-34.54	
PHL1804D	3/1/23 12:30	52.9	46.0	0.0	1.1	61.5	62.6	-17.18	-17.55	91.1	94.4	-19.02	NO CHANGE
PHL1804D	3/30/23 12:11	55.8	42.8	0.0	1.4	132.3	132.3	-17.41	-20.60	26.3	40.9	-33.70	INCREASED FLOW/VACUUM
PHL1804D	3/30/23 12:12	55.7	44.3	0.0	0.0	132.3	132.3	-22.39	-22.39	37.2	37.2	-33.87	
PHL1804D	4/24/23 10:22	58.0	41.9	0.0	0.1	132.2	132.4	-24.53	-27.31	36.9	45.4	-35.10	INCREASED FLOW/VACUUM
PHL1804D	4/24/23 10:23	57.0	43.0	0.0	0.0	132.4	132.6	-27.44	-27.90	42.8	44.4	-35.05	
PHL1804D	5/15/23 10:24	55.1	41.0	0.7	3.2	132.2	132.2	-13.23	-13.17	3.2	3.2	-33.80	
PHL1804D	5/15/23 10:25	56.9	42.6	0.1	0.4	129.8	130.1	-12.16	-12.16	7.5	7.1	-34.49	SECOND READING

Potrero Hills Landfill - Well Data - 02/01/2023 to 07/31/2023

Point Name	Record Date	CH4 [%]	CO2 [%]	O2 [%]	Bal Gas [%]	Init Temp [°F]	Adj Temp [°F]	Init Stat Press ["H2O]	Adj Stat Press ["H2O]	Init Flow [scfm]	Adj Flow [scfm]	Sys Pressure ["H2O]	Comments
PHL1804D	6/19/23 16:18	56.1	43.0	0.3	0.6	127.1	127.3	-1.66	-1.66	2.5	2.5	-32.02	
PHL1804D	7/18/23 13:59	53.6	43.2	0.2	3.0	127.1	127.3	-1.11	-1.11	1.6	1.9	-25.33	
PHL1804S	2/20/23 13:16	55.1	44.5	0.0	0.4	125.7	125.9	-0.39	-0.40	21.1	22.0	-34.47	INCREASED FLOW/VACUUM
PHL1804S	3/30/23 12:15	56.2	43.6	0.0	0.2	122.6	123.0	-1.65	-2.20	21.2	7.1	-33.22	INCREASED FLOW/VACUUM
PHL1804S	4/24/23 10:25	55.3	41.7	0.0	3.0	124.4	124.8	-2.40	-3.01	30.7	40.3	-35.00	INCREASED FLOW/VACUUM
PHL1804S	5/15/23 10:20	45.4	39.0	0.2	15.4	126.9	126.9	-3.09	-3.09	39.3	39.3	-34.41	
PHL1804S	6/19/23 16:20	54.3	42.2	0.1	3.4	126.8	126.8	-2.45	-2.46	39.8	39.8	-32.97	
PHL1804S	7/18/23 14:01	52.9	42.1	0.1	4.9	125.8	125.8	-2.16	-2.16	38.8	38.9	-30.16	
PHL1805D	2/6/23 12:22	53.3	45.7	0.0	1.0	115.9	115.8	-0.46	-0.46	1.4	1.2	-34.08	NO CHANGE
PHL1805D	3/29/23 11:53	34.1	32.7	7.2	26.0	49.8	49.8	-32.59	-32.58	0.0	0.0	-32.57	MINIMAL VACUUM SETTING
PHL1805D	3/29/23 11:54	29.6	29.3	8.9	32.2	50.1	50.1	-32.31	-32.33	0.2	0.2	-32.34	MINIMAL VACUUM SETTING
PHL1805D	4/17/23 12:17	34.0	43.1	4.8	18.1	57.3	57.2	-25.24	-25.53	0.0	0.3	-25.80	MINIMAL VACUUM SETTING
PHL1805D	5/1/23 10:45	21.4	16.9	13.8	47.9	56.9	56.8	-31.92	-32.20	0.1	0.6	-30.16	
PHL1805D	5/1/23 10:47	21.1	18.8	12.7	47.4	56.6	56.6	-31.93	-30.74	0.0	0.0	-31.17	SECOND READING,MINIMAL VACUUM SETTING
PHL1805D	6/7/23 12:22	39.6	35.8	4.4	20.2	71.1	71.0	-27.26	-27.22	0.0	0.0	-27.15	
PHL1805D	7/10/23 14:03	26.3	23.0	9.6	41.1	83.4	83.4	-27.73	-27.72	0.0	0.0	-27.71	MINIMAL VACUUM SETTING
PHL1805D	7/10/23 14:04	21.9	18.9	11.6	47.6	83.8	83.5	-27.61	-27.59	0.0	0.0	-27.59	MINIMAL VACUUM SETTING
PHL1805D	7/17/23 10:52	16.9	17.5	13.5	52.1	84.3	84.4	-25.89	-25.89	0.0	0.0	-26.17	MINIMAL VACUUM SETTING
PHL1805S	2/6/23 12:25	34.9	40.5	4.4	20.2	61.9	61.9	-33.34	-33.33	0.0	0.0	-33.33	NO CHANGE
PHL1805S	3/29/23 11:55	52.3	47.7	0.0	0.0	108.9	110.9	-0.95	-1.13	8.0	10.8	-32.64	INCREASED FLOW/VACUUM
PHL1805S	4/17/23 12:20	54.6	45.2	0.1	0.1	123.2	123.6	-2.15	-2.20	14.2	14.4	-23.34	
PHL1805S	4/17/23 12:22	54.2	45.8	0.0	0.0	126.6	126.7	-4.38	-4.34	21.1	19.6	-20.43	INCREASED FLOW/VACUUM,SECOND READING
PHL1805S	5/1/23 10:49	55.9	43.8	0.3	0.0	128.4	128.5	-5.28	-5.22	26.4	25.9	-32.01	
PHL1805S	6/7/23 12:24	54.2	43.0	0.5	2.3	131.3	131.3	-4.08	-4.08	24.8	24.8	-27.66	
PHL1805S	6/7/23 12:25	54.9	45.1	0.0	0.0	131.7	131.6	-4.59	-4.60	28.4	28.4	-27.25	INCREASED FLOW/VACUUM,SECOND READING
PHL1805S	6/19/23 11:18	54.2	43.0	0.0	2.8	130.6	130.7	-5.47	-5.45	29.2	30.2	-30.35	
PHL1805S	7/10/23 14:06	54.0	44.3	0.0	1.7	131.8	132.1	-3.57	-5.23	22.7	37.7	-27.44	INCREASED FLOW/VACUUM
PHL1805S	7/10/23 14:07	53.3	45.1	0.0	1.6	132.4	132.4	-6.11	-6.12	36.4	36.8	-27.14	
PHL1805S	7/17/23 10:54	54.6	44.1	0.0	1.3	132.3	132.5	-6.35	-8.44	36.0	22.2	-27.50	INCREASED FLOW/VACUUM
PHL1806D	2/21/23 10:20	41.0	48.8	2.0	8.2	74.1	74.1	-17.91	-17.91	1.1	1.1	-33.85	MINIMAL VACUUM SETTING
PHL1806D	3/30/23 11:41	47.5	52.3	0.2	0.0	79.8	80.1	-1.55	-2.10	3.5	3.1	-31.92	
PHL1806D	4/24/23 10:46	43.3	49.0	1.6	6.1	81.6	81.6	-23.31	-23.31	1.2	1.3	-30.52	
PHL1806D	5/15/23 10:44	41.6	46.9	2.1	9.4	86.3	86.1	-22.93	-22.95	1.0	1.0	-29.65	
PHL1806D	6/19/23 16:30	40.6	45.0	2.8	11.6	87.7	87.5	-21.44	-21.45	0.8	0.8	-21.45	
PHL1806D	7/25/23 9:44	43.6	49.7	1.5	5.2	91.1	91.0	-22.19	-22.18	0.9	0.9	-27.69	
PHL1806S	2/21/23 10:22	50.9	49.1	0.0	0.0	124.0	124.0	-0.53	-0.53	18.3	18.3	-33.07	
PHL1806S	3/30/23 11:44	53.9	46.1	0.0	0.0	124.4	124.4	-1.08	-1.64	18.1	14.8	-31.47	INCREASED FLOW/VACUUM
PHL1806S	4/24/23 10:43	54.6	44.6	0.1	0.7	125.0	125.4	-1.76	-2.46	27.0	39.4	-31.78	INCREASED FLOW/VACUUM
PHL1806S	5/15/23 10:42	47.6	42.3	0.6	9.5	127.3	127.3	-2.52	-2.52	37.8	37.4	-30.87	
PHL1806S	6/19/23 16:28	43.3	39.3	0.7	16.7	126.6	126.6	-2.20	-2.20	36.6	36.6	-28.86	
PHL1806S	7/25/23 9:42	38.4	37.1	0.9	23.6	124.9	125.0	-2.52	-2.52	34.0	34.1	-27.97	
PHL1807D	2/21/23 10:25	47.0	53.0	0.0	0.0	100.9	101.0	-4.32	-4.32	4.3	4.4	-33.11	
PHL1807D	3/30/23 11:48	48.0	52.0	0.0	0.0	106.7	106.7	-6.12	-6.12	4.1	4.2	-31.32	
PHL1807D	4/24/23 10:48	49.0	51.0	0.0	0.0	109.2	109.2	-5.93	-5.93	2.3	2.3	-29.63	
PHL1807D	5/15/23 10:49	48.1	51.5	0.4	0.0	110.5	110.7	-5.78	-5.76	2.3	2.4	-30.10	
PHL1807D	6/19/23 16:32	48.8	51.0	0.2	0.0	110.9	111.1	-4.80	-4.80	2.3	1.9	-27.36	
PHL1807D	7/25/23 9:47	47.2	50.1	0.5	2.2	108.5	108.8	-4.48	-4.48	3.8	3.3	-27.45	
PHL1807S	2/21/23 10:26	50.1	49.3	0.0	0.6	124.1	124.0	-0.11	-0.13	13.4	13.2	-31.22	
PHL1807S	3/30/23 11:50	52.2	46.2	0.0	1.6	123.9	124.0	-0.65	-0.65	13.2	13.3	-29.40	INCREASED FLOW/VACUUM
PHL1807S	4/24/23 10:50	52.4	45.4	0.0	2.2	124.7	124.8	-0.98	-1.03	19.2	21.6	-30.32	INCREASED FLOW/VACUUM
PHL1807S	5/15/23 10:51	47.4	43.8	0.7	8.1	127.2	127.3	-1.41	-1.35	22.5	23.4	-28.70	
PHL1807S	6/19/23 16:34	46.2	43.1	0.2	10.5	126.8	126.8	-0.82	-0.82	22.4	22.4	-23.45	
PHL1807S	6/19/23 16:34	46.2	43.1	0.2	10.5	126.8	126.8	-0.82	-0.82	22.4	22.4	-23.45	
PHL1807S	7/25/23 9:49	42.2	41.0	0.5	16.3	125.5	125.6	-1.42	-1.41	22.5	23.0	-27.04	
PHL1808D	2/6/23 12:03	45.7	51.7	0.0	2.6	124.9	124.9	-14.15	-14.15	6.2	2.7	-34.24	NO CHANGE
PHL1808D	3/29/23 11:46	45.4	54.6	0.0	0.0	115.2	115.2	-18.30	-18.31	4.3	4.5	-32.66	MINIMAL VACUUM SETTING
PHL1808D	4/17/23 11:43	46.3	53.7	0.1		119.7	121.7	-2.93	-2.91	10.3	10.6	-30.03	
PHL1808D	5/1/23 10:29	47.9	52.0	0.2		121.4	121.4	-18.21	-17.74	6.3	7.3	-30.39	
PHL1808D	6/7/23 12:12	47.8	49.6	0.5	2.1	115.0	115.2	-18.30	-18.79	5.7	6.6	-27.10	
PHL1808D	7/10/23 13:52	47.2	48.9	0.7	3.2	107.8	108.0	-17.83	-17.80	5.8	6.0	-26.42	
PHL1808S	2/6/23 12:18	50.9	46.9	0.0	2.2	121.0	120.9	-0.10	-0.12	12.1	12.2	-33.97	NO CHANGE
PHL1808S	3/29/23 11:48	49.8	50.2	0.0	0.0	123.2	123.2	-0.35	-0.38	33.9	33.5	-32.38	
PHL1808S	4/17/23 11:47	52.3	47.7	0.0	0.0	124.2	124.6	-1.21	-1.24	14.2	14.6	-30.72	
PHL1808S	5/1/23 10:31	51.9	47.2	0.2	0.7	124.3	124.3	-1.62	-1.59	15.0	15.4	-31.95	
PHL1808S	5/1/23 10:31	51.9	47.2	0.2	0.7	124.3	124.3	-1.62	-1.59	15.0	15.4	-31.95	
PHL1808S	6/7/23 12:15	47.1	44.6	0.5	7.8	123.2	123.2	-1.35	-1.35	14.0	14.0	-27.17	
PHL1808S	7/10/23 13:55	43.8	44.3	0.0	11.9	123.0	123.2	-1.52	-0.61	14.4	7.9	-27.97	DECREASED FLOW/VACUUM
PHL2001D	2/20/23 9:11	53.5	46.1	0.0	0.4	58.9	58.9	0.36	0.36	0.0	0.0	0.36	NO CHANGE
PHL2001D	2/20/23 9:11	53.3	46.4	0.0	0.3	58.3	58.2	0.40	0.40	0.0	0.0	0.39	SECOND READING
PHL2001D	2/21/23 12:11	49.6	44.6	0.7	5.1	96.3	96.3	-20.41	-20.39	18.1	18.2	-20.04	
PHL2001D	3/13/23 14:04	43.8	38.7	2.9	14.6	95.1	95.0	-20.67	-19.95	15.9	12.9	-20.56	DECREASED FLOW/VACUUM
PHL2001D	4/24/23 8:56	37.7	34.3	4.8	23.2	102.3	102.2	-18.13	-18.05	14.9	14.9	-19.89	
PHL2001D	5/1/23 11:41	38.9	35.9	4.2	21.0	104.1	104.4	-20.71	-20.72	18.3	18.2	-22.73	
PHL2001D	6/7/23 13:45	35.6	35.5	4.0	24.9	111.3	111.4	-18.06	-18.02	16.4	16.1	-22.40	
PHL2001D	7/17/23 11:57	37.8	36.6	4.3	21.3	116.7	115.5	-25.15	-22.82	23.6	18.3	-26.02	DECREASED FLOW/VACUUM
PHL2001S	2/20/23 9:13	53.6	45.9	0.0	0.5	56.0	56.0	0.23	0.23	0.0	0.0	0.24	NO CHANGE
PHL2001S	2/20/23 9:13	53.5	46.5	0.0	0.0	57.8	57.8	0.23	0.23	0.0	0.0	0.23	SECOND READING

Potrero Hills Landfill - Well Data - 02/01/2023 to 07/31/2023

Point Name	Record Date	CH4 [%]	CO2 [%]	O2 [%]	Bal Gas [%]	Init Temp [°F]	Adj Temp [°F]	Init Stat Press ["H2O]	Adj Stat Press ["H2O]	Init Flow [scfm]	Adj Flow [scfm]	Sys Pressure ["H2O]	Comments
PHL2001S	2/21/23 12:13	52.6	47.4	0.0	0.0	113.3	113.5	-0.13	-0.13	29.4	29.4	-19.26	
PHL2001S	3/13/23 14:05	47.2	39.9	0.0	12.9	113.3	113.5	-1.21	-1.18	29.8	24.8	-20.91	DECREASED FLOW/VACUUM
PHL2001S	4/24/23 8:58	41.1	35.4	0.1	23.4	113.6	113.7	-1.59	-1.58	23.8	24.1	-20.65	
PHL2001S	5/1/23 11:42	40.5	35.4	0.1	24.0	114.6	114.6	-1.41	-1.40	25.8	25.8	-24.07	
PHL2001S	6/7/23 13:47	38.7	35.2	0.3	25.8	115.9	115.9	-0.91	-0.91	25.6	26.0	-23.25	
PHL2001S	7/17/23 11:59	39.7	35.7	0.0	24.6	115.8	116.0	-1.33	-1.22	27.3	17.6	-26.72	DECREASED FLOW/VACUUM
PHL2002D	2/20/23 10:33	56.0	42.8	0.0	1.2	65.6	65.6	-35.01	-35.02	2.2	2.4	-35.01	NO CHANGE
PHL2002D	3/13/23 12:40	49.5	50.3	0.2	0.0	103.7	103.9	-34.76	-34.74	0.0	0.0	-34.55	
PHL2002D	4/24/23 9:50	56.9	42.8	0.3	0.0	95.9	96.0	-34.80	-34.81	0.0	0.0	-34.49	
PHL2002D	5/1/23 13:01	56.4	43.3	0.4		93.3	95.0	-34.75	-34.71	0.0	0.0	-34.49	
PHL2002D	6/12/23 14:32	53.5	42.5	0.6	3.4	105.6	105.6	-33.71	-33.69	0.0	5.9	-33.69	
PHL2002D	7/17/23 13:39	54.0	44.4	0.0	1.6	107.7	110.8	-30.57	-30.77	12.8	2.7	-30.77	VALVE FULL OPEN
PHL2002S	2/20/23 10:35	58.0	41.3	0.0	0.7	61.1	61.0	-0.16	-0.16	0.0	0.0	-34.53	NO CHANGE
PHL2002S	3/13/23 12:37	52.0	48.0	0.0	0.0	78.6	78.8	0.04	0.04	0.0	0.0	-34.67	
PHL2002S	3/22/23 11:13	58.6	40.6	0.0	0.8	59.2	59.4	-1.74	-1.75	0.0	0.0	-35.01	NO CHANGE
PHL2002S	4/24/23 9:53	57.4	42.2	0.3	0.1	73.9	74.0	-0.52	-0.48	0.0	0.0	-34.70	
PHL2002S	4/24/23 9:53	57.4	42.2	0.3	0.1	73.9	74.0	-0.52	-0.48	0.0	0.0	-34.70	
PHL2002S	5/1/23 13:03	57.5	42.5	0.0	0.0	70.6	70.5	0.21	0.23	0.0	0.0	-33.72	
PHL2002S	5/8/23 10:13	58.1	41.9	0.0	0.0	108.6	111.3	-10.63	-15.49	21.2	32.2	-32.35	INCREASED FLOW/VACUUM
PHL2002S	6/12/23 14:34	50.1	39.1	0.4	10.4	119.0	119.1	-28.28	-28.30	18.2	18.3	-32.17	
PHL2002S	7/17/23 13:41	49.9	40.5	0.0	9.6	96.9	97.0	-26.16	-26.15	19.3	21.2	-31.22	
PHL2003S	2/20/23 10:51	50.0	34.5	0.0	15.5	101.7	101.7	-2.23	-2.23	8.1	8.0	-34.92	NO CHANGE
PHL2003S	3/13/23 14:03	50.9	39.9	0.2	9.0	102.0	102.0	-1.90	-1.90	6.9	7.0	-34.53	
PHL2003S	4/24/23 10:04	49.4	34.6	0.0	16.0	104.9	105.0	-2.63	-2.59	3.1	5.0	-34.85	
PHL2003S	5/1/23 12:59	47.6	33.9	0.0	18.5	102.3	102.5	-2.11	-2.11	8.1	8.1	-33.98	
PHL2003S	6/12/23 14:42	37.6	31.0	0.5	30.9	106.2	106.2	-2.34	-2.32	4.8	5.2	-31.13	
PHL2003S	7/17/23 13:55	39.4	31.7	0.0	28.9	107.4	98.7	-2.17	-1.75	6.5	34.1	-30.54	MINIMAL VACUUM SETTING
PHL2004D	2/6/23 13:19	48.6	41.1	1.5	8.8	142.0	142.1	-29.47	-29.48	15.7	15.7	-34.55	NO CHANGE
PHL2004D	2/6/23 13:20	48.4	41.3	1.4	8.9	142.0	142.1	-29.44	-29.44	15.4	15.4	-34.40	SECOND READING
PHL2004D	2/14/23 11:39	49.8	43.2	1.2	5.8	140.8	140.8	-17.09	-17.09	12.3	12.3	-20.36	
PHL2004D	2/20/23 11:08	47.3	43.4	1.5	7.8	143.6	143.6	-28.69	-28.66	15.1	15.1	-34.01	
PHL2004D	3/1/23 11:41	50.7	42.3	1.2	5.8	140.3	140.4	-20.39	-20.38	13.4	13.4	-33.82	NO CHANGE
PHL2004D	3/1/23 11:42	51.0	42.3	1.3	5.4	140.1	140.1	-20.28	-20.28	13.4	13.4	-33.99	SECOND READING
PHL2004D	3/7/23 10:58	51.0	43.6	1.1	4.3	141.8	141.9	-19.77	-19.77	13.6	13.0	-33.34	
PHL2004D	3/13/23 12:23	50.1	43.2	1.0	5.7	141.7	141.8	-19.71	-19.71	13.3	13.3	-33.37	
PHL2004D	3/22/23 10:27	51.6	40.3	1.7	6.4	138.8	138.9	-20.53	-20.52	13.0	13.0	-34.39	CONCERN FOR POTENTIAL SSO
PHL2004D	3/22/23 10:28	52.5	40.6	1.3	5.6	138.8	138.8	-20.58	-20.58	13.2	13.2	-34.76	SECOND READING
PHL2004D	3/29/23 9:51	51.2	43.7	1.2	3.9	141.7	141.7	-18.45	-18.45	13.8	13.8	-33.96	
PHL2004D	4/5/23 11:11	50.9	43.4	1.3	4.4	142.7	142.7	-19.51	-19.50	13.3	13.3	-33.74	
PHL2004D	4/10/23 12:28	45.8	47.7	1.2	5.3	143.1	143.1	-17.85	-17.85	13.0	13.0	-31.23	CONCERN FOR POTENTIAL SSO
PHL2004D	4/10/23 12:30	45.5	47.2	1.4	5.9	142.3	142.5	-17.86	-17.85	12.9	12.9	-31.21	SECOND READING
PHL2004D	4/17/23 10:25	50.3	41.0	1.3	7.4	140.9	140.9	-18.12	-18.10	13.4	13.4	-33.71	
PHL2004D	4/24/23 11:41	50.7	41.4	1.3	6.6	143.3	143.3	-18.74	-18.75	13.2	13.3	-32.46	
PHL2004D	5/1/23 12:45	54.4	43.5	0.7	1.4	146.3	146.1	-19.37	-19.37	13.4	13.4	-33.06	
PHL2004D	5/1/23 12:45	54.4	43.5	0.7	1.4	146.3	146.1	-19.37	-19.37	13.4	13.4	-33.06	
PHL2004D	5/8/23 9:53	53.1	43.3	0.6	3.0	143.3	143.4	-17.90	-17.89	14.2	13.9	-32.33	
PHL2004D	5/15/23 10:49	52.0	42.5	0.8	4.7	143.0	142.8	-18.99	-19.00	13.1	13.1	-33.53	
PHL2004D	5/22/23 11:21	52.6	43.0	0.5	3.9	144.8	144.7	-16.41	-16.39	11.3	11.2	-32.13	
PHL2004D	6/1/23 11:15	54.6	43.2	0.6	1.6	145.8	145.7	-13.06	-13.08	12.3	0.0	-31.18	
PHL2004D	6/1/23 11:15	54.6	43.2	0.6	1.6	145.8	145.7	-13.06	-13.08	12.3	0.0	-31.18	
PHL2004D	6/7/23 10:44	55.8	43.6	0.6	0.0	143.9	143.8	-11.93	-11.94	12.1	12.2	-32.82	
PHL2004D	6/12/23 16:07	51.8	42.8	0.6	4.8	146.2	146.2	-12.95	-12.92	11.6	11.6	-32.72	
PHL2004D	6/19/23 12:04	53.7	44.0	0.5	1.8	144.4	144.5	-14.06	-14.06	12.5	11.8	-32.69	
PHL2004D	7/10/23 13:29	52.0	45.0	0.5	2.5	145.6	145.6	-12.87	-12.87	11.5	11.4	-30.79	
PHL2004D	7/17/23 12:16	52.8	44.7	0.3	2.2	145.3	145.6	-11.83	-12.67	10.8	15.1	-29.79	
PHL2004D	7/25/23 10:49	43.7	47.4	1.1	7.8	142.4	143.3	-18.98	-18.99	12.5	12.4	-32.45	
PHL2007D	2/6/23 12:23	45.6	54.4	0.0	0.0	62.9	63.1	-12.94	-12.98	0.8	0.8	-34.54	
PHL2007D	3/7/23 11:54	45.7	50.6	0.3	3.4	58.3	58.3	-27.07	-27.51	1.5	1.5	-33.34	MINIMAL VACUUM SETTING
PHL2007D	4/5/23 13:09	41.3	46.0	2.6	10.1	68.5	68.4	-30.02	-30.02	0.4	0.4	-30.02	MINIMAL VACUUM SETTING
PHL2007D	5/15/23 12:08	39.6	42.7	3.4	14.3	78.0	78.0	-30.35	-30.35	0.6	0.6	-30.35	MINIMAL VACUUM SETTING
PHL2007D	6/7/23 11:29	43.1	47.2	2.2	7.5	72.9	72.8	-28.75	-28.75	0.1	0.2	-28.75	
PHL2007D	7/17/23 13:23	47.3	51.2	0.3	1.2	97.7	97.7	-29.50	-29.49	0.4	0.5	-26.99	NO CHANGE,MINIMAL VACUUM SETTING
PHL2007S	2/6/23 12:25	49.9	41.9	0.0	8.2	61.3	61.6	-4.21	-4.21	10.8	10.8	-33.61	
PHL2007S	3/7/23 11:57	50.8	39.8	0.0	9.4	62.5	62.8	-4.48	-4.48	10.9	11.5	-33.54	
PHL2007S	4/5/23 13:11	45.6	37.8	0.0	16.6	62.4	63.1	-5.67	-5.59	9.5	6.9	-32.28	DECREASED FLOW/VACUUM
PHL2007S	5/15/23 12:10	48.9	36.1	0.0	15.0	111.5	111.5	-4.34	-4.32	10.4	12.5	-33.01	
PHL2007S	6/7/23 11:31	50.0	37.5	0.0	12.5	111.2	111.3	-3.90	-3.91	11.0	8.8	-32.58	
PHL2007S	7/17/23 13:25	45.5	36.2	0.0	18.3	117.7	117.7	-4.60	-4.60	10.3	10.4	-32.74	NO CHANGE,MINIMAL VACUUM SETTING
PHL2008D	2/20/23 9:22	51.7	47.2	0.0	1.1	58.3	58.2	4.43	4.43	0.2	0.0	4.43	NO CHANGE
PHL2008D	2/20/23 9:22	51.4	47.5	0.0	1.1	57.6	57.6	4.33	4.34	0.0	0.0	4.34	SECOND READING
PHL2008D	2/21/23 11:04	51.9	47.0	0.0	1.1	74.9	75.1	4.45	4.44	0.0	0.0	0.87	
PHL2008D	2/21/23 12:05	49.6	48.8	0.2	1.4	85.6	85.6	-11.31	-11.31	6.5	6.5	-21.92	
PHL2008D	3/13/23 13:45	49.8	50.1	0.0	0.1	74.4	74.4	-19.25	-19.25	0.0	0.0	-22.04	
PHL2008D	4/17/23 13:41	39.8	38.5	2.8	18.9	72.5	72.8	-16.02	-16.16	21.1	20.2	-19.61	
PHL2008D	5/1/23 11:21	32.5	34.0	4.6	28.9	81.6	81.5	-15.97	-15.91	20.1	20.5	-18.89	
PHL2008D	6/7/23 13:31	29.8	32.5	4.3	33.4	94.3	94.3	-21.65	-21.69	8.2	10.9	-21.10	
PHL2008D	7/17/23 11:27	50.8	49.1	0.2		101.9	102.0	-20.53	-20.52	14.1	11.3	-22.25	
PHL2008S	2/20/23 9:25	54.0	45.2	0.0	0.8	57.7	57.7	0.07	0.06	0.0	0.0	0.06	NO CHANGE

Potrero Hills Landfill - Well Data - 02/01/2023 to 07/31/2023

Point Name	Record Date	CH4 [%]	CO2 [%]	O2 [%]	Bal Gas [%]	Init Temp [°F]	Adj Temp [°F]	Init Stat Press ["H2O]	Adj Stat Press ["H2O]	Init Flow [scfm]	Adj Flow [scfm]	Sys Pressure ["H2O]	Comments
PHL2008S	2/20/23 9:26	53.9	45.2	0.0	0.9	57.3	57.2	0.05	0.05	0.0	0.0	0.05	SECOND READING
PHL2008S	2/21/23 11:06	52.5	47.0	0.0	0.5	65.6	65.7	0.42	0.42	0.0	0.0	1.63	
PHL2008S	2/21/23 12:06	52.6	47.4	0.0	0.0	118.9	119.1	-1.42	-1.41	15.9	16.0	-22.12	
PHL2008S	3/13/23 13:47	43.9	40.3	0.0	15.8	108.0	107.8	-2.08	-1.86	16.0	12.3	-22.19	DECREASED FLOW/VACUUM
PHL2008S	4/17/23 13:32	40.3	35.2	0.3	24.2	109.1	109.3	-1.53	-1.61	14.4	14.5	-21.20	
PHL2008S	5/1/23 11:23	31.8	32.6	0.1	35.5	110.6	110.5	-2.28	-2.25	13.5	14.0	-20.89	
PHL2008S	6/7/23 13:33	28.9	32.0	0.2	38.9	113.0	113.0	-1.85	-1.84	15.1	15.1	-25.03	
PHL2008S	7/17/23 11:34	25.5	29.3	0.0	45.2	113.7	106.4	-1.95	-0.73	14.7	17.2	-26.95	DECREASED FLOW/VACUUM
PHL2009D	2/14/23 11:46	36.1	31.3	3.8	28.8	66.6	66.6	-17.58	-17.58	0.0	0.0	-17.58	NO CHANGE
PHL2009D	3/13/23 12:17	42.7	46.3	3.1	7.9	73.7	73.5	-33.10	-33.10	0.0	0.0	-34.78	
PHL2009D	4/24/23 10:53	53.3	45.9	0.3	0.5	79.6	79.5	-33.40	-33.42	0.0	0.0	-33.72	
PHL2009D	5/1/23 12:23	51.0	43.7	0.8	4.5	70.7	70.2	-33.69	-33.14	2.7	2.4	-33.13	
PHL2009D	6/12/23 15:13	20.1	19.2	10.6	50.1	80.7	80.6	-33.92	-33.91	0.0	0.0	-33.91	
PHL2009D	6/12/23 15:14	18.9	18.7	11.1	51.3	80.7	80.6	-34.02	-33.99	0.0	0.0	-33.97	DECREASED FLOW/VACUUM,SECOND READING
PHL2009D	7/17/23 14:51	38.3	35.3	4.6	21.8	97.5	97.5	-27.71	-27.70	0.0	0.0	-27.70	MINIMAL VACUUM SETTING
PHL2009S	2/14/23 11:44	51.7	40.1	0.0	8.2	63.0	63.0	-2.34	-2.33	16.4	16.6	-21.34	NO CHANGE
PHL2009S	3/13/23 12:13	46.5	44.0	0.0	9.5	113.4	113.6	-3.70	-3.68	0.0	0.0	-34.76	
PHL2009S	4/24/23 10:55	48.0	38.1	0.0	13.9	114.2	114.2	-3.71	-3.70	19.0	18.9	-34.05	
PHL2009S	5/1/23 12:25	48.3	38.9	0.0	12.8	111.1	111.1	-3.58	-3.55	18.5	18.7	-35.58	DECREASED FLOW/VACUUM
PHL2009S	6/12/23 15:16	45.0	38.4	0.1	16.5	113.7	113.8	-2.91	-2.87	14.8	15.0	-34.90	
PHL2009S	7/17/23 14:54	46.1	38.6	0.0	15.3	113.7	112.2	-2.69	-2.36	16.1	31.2	-27.30	DECREASED FLOW/VACUUM
PHL2010D	2/14/23 12:49	57.0	42.9	0.0	0.1	130.3	130.3	-4.78	-4.80	19.7	19.8	-19.50	
PHL2010D	3/13/23 11:59	47.8	37.8	2.9	11.5	128.5	128.6	-11.37	-11.22	19.7	19.6	-30.47	
PHL2010D	4/17/23 11:07	50.6	38.1	2.5	8.8	127.5	127.6	-7.29	-7.93	19.9	19.9	-28.98	
PHL2010D	5/15/23 10:17	52.4	39.4	1.7	6.5	131.4	131.7	-5.27	-15.70	18.9	34.3	-28.70	INCREASED FLOW/VACUUM
PHL2010D	5/15/23 10:19	56.2	42.1	0.4	1.3	133.4	133.4	-21.28	-21.31	25.3	24.1	-29.87	
PHL2010D	6/1/23 11:23	56.8	40.4	0.8	2.0	133.9	133.8	-25.87	-27.08	20.5	16.6	-31.19	
PHL2010D	6/7/23 12:33	56.8	42.1	0.3	0.8	132.1	132.2	-28.18	-28.75	23.1	18.9	-27.59	
PHL2010D	6/7/23 12:33	56.8	42.1	0.3	0.8	132.1	132.2	-28.18	-28.75	23.1	18.9	-27.59	
PHL2010D	6/7/23 12:34	57.2	42.6	0.2	0.0	132.3	132.4	-28.28	-28.55	28.5	18.0	-28.55	
PHL2010D	6/12/23 15:56	54.2	40.9	0.5	4.4	134.6	134.6	-29.84	-29.83	17.7	25.8	-30.86	
PHL2010D	7/18/23 15:50	54.4	41.2	0.3	4.1	133.2	133.5	-27.65	-27.62	15.7	12.7	-26.70	
PHL2010S	2/14/23 12:51	56.3	43.7	0.0	0.0	117.7	118.2	-0.12	-0.13	21.2	21.9	-18.19	
PHL2010S	3/13/23 12:01	50.2	40.9	0.0	8.9	118.8	118.8	-2.29	-2.30	31.4	31.4	-31.25	
PHL2010S	4/17/23 11:10	49.6	38.2	0.0	12.2	116.9	116.9	-2.70	-2.71	31.8	31.5	-29.40	
PHL2010S	5/15/23 10:21	30.4	32.8	0.0	36.8	117.9	117.7	-3.25	-2.48	31.2	12.8	-32.34	DECREASED FLOW/VACUUM
PHL2010S	6/7/23 12:36	43.0	35.5	0.0	21.5	117.2	117.2	-1.25	-1.21	13.3	9.8	-32.18	DECREASED FLOW/VACUUM
PHL2010S	7/18/23 15:52	39.1	31.9	0.5	28.5	119.4	119.5	-0.36	-0.36	10.1	10.0	-28.51	
PHL2011D	2/6/23 12:42	43.4	47.9	0.2	8.5	106.6	106.9	-33.97	-34.00	6.2	9.8	-34.00	
PHL2011D	3/7/23 12:09	45.2	44.6	0.7	9.5	57.0	57.1	-33.18	-33.20	4.0	9.3	-33.21	VALVE FULL OPEN
PHL2011D	4/5/23 12:58	44.9	43.8	0.7	10.6	66.4	66.6	-32.27	-32.28	5.1	5.0	-32.28	
PHL2011D	5/15/23 11:40	47.9	44.7	0.9	6.5	96.0	96.6	-32.16	-32.61	6.6	6.6	-32.60	VALVE FULL OPEN
PHL2011D	6/7/23 12:18	44.2	41.8	2.2	11.8	96.7	96.8	-31.79	-31.81	5.9	5.9	-31.82	
PHL2011D	7/17/23 13:33	46.4	44.5	0.4	8.7	110.2	110.0	-31.91	-31.89	4.1	4.2	-32.07	NO CHANGE,VALVE FULL OPEN
PHL2011S	2/6/23 12:45	38.9	39.6	0.0	21.5	113.2	113.1	-0.35	-0.34	6.1	6.1	-33.61	
PHL2011S	3/7/23 12:11	45.6	39.2	0.0	15.2	113.0	113.2	-0.34	-0.35	6.2	6.2	-32.91	
PHL2011S	4/5/23 13:00	37.6	36.3	0.0	26.1	116.8	116.7	-0.51	-0.51	5.2	5.2	-32.65	MINIMAL VACUUM SETTING
PHL2011S	5/15/23 11:42	22.9	31.4	0.0	45.7	110.5	110.6	-0.49	-0.49	4.5	4.5	-32.58	MINIMAL VACUUM SETTING
PHL2011S	6/7/23 12:20	24.5	31.4	0.0	44.1	110.6	110.7	-0.39	-0.39	4.5	4.5	-32.00	MINIMAL VACUUM SETTING
PHL2011S	7/17/23 13:35	23.1	30.8	0.0	46.1	120.7	120.8	-0.36	-0.36	5.1	5.1	-31.99	NO CHANGE
PHL2012D	2/6/23 12:49	48.3	44.4	0.0	7.3	133.1	133.1	-31.52	-30.89	21.6	23.6	-32.04	
PHL2012D	2/6/23 12:50	48.3	45.1	0.0	6.6	133.3	133.4	-31.24	-31.25	23.4	23.4	-30.62	
PHL2012D	3/7/23 12:14	48.2	42.6	0.7	8.5	132.3	132.3	-30.51	-30.51	22.9	21.5	-29.89	
PHL2012D	3/7/23 12:14	48.4	43.4	0.6	7.6	132.7	132.7	-30.29	-30.28	22.9	17.5	-29.81	
PHL2012D	4/5/23 12:53	48.8	41.7	0.8	8.7	133.7	133.8	-29.42	-29.45	26.9	23.8	-30.12	VALVE FULL OPEN
PHL2012D	4/5/23 12:54	48.8	42.8	0.9	7.5	134.1	134.1	-29.83	-29.81	18.0	22.7	-29.80	VALVE FULL OPEN
PHL2012D	5/15/23 11:33	47.7	41.2	0.7	10.4	134.6	134.7	-30.07	-30.04	21.7	21.6	-30.05	VALVE FULL OPEN
PHL2012D	5/15/23 11:34	47.9	41.9	0.7	9.5	135.0	135.0	-29.72	-29.73	19.5	21.1	-29.73	VALVE FULL OPEN
PHL2012D	6/7/23 12:13	48.0	41.1	0.8	10.1	134.3	134.5	-29.47	-29.47	23.1	23.1	-29.09	
PHL2012D	6/7/23 12:13	48.3	41.7	0.7	9.3	134.7	134.7	-29.01	-29.03	20.8	20.7	-29.04	
PHL2012D	7/17/23 13:41	46.3	40.1	0.8	12.8	136.4	136.5	-29.30	-29.25	20.6	21.5	-29.84	NO CHANGE,VALVE FULL OPEN
PHL2012D	7/17/23 13:42	47.0	40.4	0.7	11.9	136.5	136.5	-29.21	-29.22	20.0	20.5	-29.22	NO CHANGE,SECOND READING
PHL2012S	2/6/23 12:51	20.7	30.5	0.0	48.8	126.2	126.2	-0.88	-0.88	8.1	8.1	-31.55	MINIMAL VACUUM SETTING
PHL2012S	3/7/23 12:16	20.4	30.0	0.0	49.6	126.5	126.6	-0.92	-0.91	8.5	8.4	-28.32	MINIMAL VACUUM SETTING
PHL2012S	4/5/23 12:55	26.4	31.4	0.0	42.2	129.1	129.1	-1.27	-1.24	8.4	8.4	-30.54	
PHL2012S	5/15/23 11:35	14.1	25.5	0.0	60.4	128.8	128.8	-1.17	-1.17	8.4	8.4	-31.31	MINIMAL VACUUM SETTING
PHL2012S	6/7/23 12:15	14.8	24.6	0.0	60.6	127.3	127.3	-1.01	-1.01	8.0	8.0	-30.07	MINIMAL VACUUM SETTING
PHL2012S	7/17/23 13:45	12.6	24.4	0.0	63.0	132.6	132.6	-0.99	-0.98	7.8	7.8	-30.63	NO CHANGE,MINIMAL VACUUM SETTING
PHL2012S	7/17/23 13:46	12.4	24.3	0.0	63.3	132.5	132.5	-0.94	-0.95	8.0	8.0	-30.14	SECOND READING
PHL2013D	2/14/23 11:17	43.2	33.3	4.2	19.3	123.7	123.7	-18.96	-19.00	31.5	31.5	-20.71	NO CHANGE
PHL2013D	3/13/23 12:07	54.1	45.5	0.3	0.1	130.3	130.3	-33.47	-33.47	0.0	0.0	-34.42	
PHL2013D	4/24/23 10:36	58.8	40.5	0.3	0.4	132.0	132.1	-34.31	-32.68	24.6	23.2	-35.16	
PHL2013D	4/24/23 10:36	58.8	40.5	0.3	0.4	132.0	132.1	-34.31	-32.68	24.6	23.2	-35.16	
PHL2013D	4/24/23 10:37	57.8	41.3	0.1	0.8	132.1	132.1	-33.69	-34.08	24.5	23.6	-34.37	SECOND READING
PHL2013D	4/24/23 10:37	57.8	41.3	0.1	0.8	132.1	132.1	-33.69	-34.08	24.5	23.6	-34.37	SECOND READING
PHL2013D	5/1/23 12:04	58.9	41.1	0.0	0.0	128.2	128.2	-33.24	-33.24	25.6	21.8	-33.95	VALVE FULL OPEN
PHL2013D	6/12/23 15:01	51.0	37.9	1.2	9.9	130.8	130.8	-32.43	-32.43	21.9	23.5	-32.43	
PHL2013D	7/17/23 14:37	53.1	40.0	0.9	6.0	129.6	129.6	-25.98	-25.97	21.8	21.8	-26.77	VALVE FULL OPEN

Potrero Hills Landfill - Well Data - 02/01/2023 to 07/31/2023

Point Name	Record Date	CH4 [%]	CO2 [%]	O2 [%]	Bal Gas [%]	Init Temp [°F]	Adj Temp [°F]	Init Stat Press ["H2O]	Adj Stat Press ["H2O]	Init Flow [scfm]	Adj Flow [scfm]	Sys Pressure ["H2O]	Comments
PHL2013S	2/14/23 11:19	56.9	43.1	0.0	0.0	110.4	110.5	-0.18	-0.16	6.4	6.4	-21.02	NO CHANGE
PHL2013S	3/13/23 12:02	52.6	47.4	0.0	0.0	119.8	119.9	-0.66	-0.68	0.0	0.0	-34.83	
PHL2013S	3/13/23 12:04	53.3	46.7	0.0	0.0	119.7	119.8	-0.80	-0.78	0.0	0.0	-34.71	
PHL2013S	4/24/23 10:39	57.4	42.1	0.1	0.4	120.4	120.4	-0.81	-0.80	3.0	4.6	-34.96	
PHL2013S	4/24/23 10:39	57.4	42.1	0.1	0.4	120.4	120.4	-0.81	-0.80	3.0	4.6	-34.96	
PHL2013S	5/1/23 12:07	57.6	41.5	0.0	0.9	117.6	119.7	-0.63	-1.02	8.7	21.9	-33.23	INCREASED FLOW/VACUUM
PHL2013S	6/12/23 15:03	39.5	35.1	0.2	25.2	120.7	120.7	-2.93	-2.92	20.6	20.5	-33.59	
PHL2013S	7/17/23 14:40	39.9	35.2	0.0	24.9	119.5	113.2	-2.52	-1.65	10.5	22.9	-27.26	DECREASED FLOW/VACUUM
PHL2014D	2/6/23 11:53	47.6	52.4	0.0	0.0	60.3	60.3	-32.56	-33.02	1.1	1.1	-35.09	
PHL2014D	3/7/23 11:37	42.1	47.3	2.3	8.3	52.7	52.7	-33.52	-33.56	0.4	0.5	-33.94	MINIMAL VACUUM SETTING
PHL2014D	4/5/23 11:55	34.3	40.2	4.9	20.6	67.3	67.4	-32.35	-32.38	0.8	0.0	-32.74	MINIMAL VACUUM SETTING
PHL2014D	5/15/23 12:45	37.2	39.9	4.4	18.5	72.9	72.9	-32.52	-32.54	0.5	0.5	-32.57	MINIMAL VACUUM SETTING
PHL2014D	6/7/23 11:03	45.2	47.2	1.5	6.1	65.2	65.6	-28.15	-28.69	0.6	0.6	-28.73	
PHL2014D	7/17/23 10:51	47.4	50.6	0.2	1.8	85.6	85.6	-32.71	-32.72	0.5	0.5	-32.82	NO CHANGE
PHL2014S	2/6/23 11:55	55.7	43.9	0.0	0.4	99.2	100.2	-2.89	-3.39	8.2	11.2	-35.17	INCREASED FLOW/VACUUM
PHL2014S	3/7/23 11:39	57.6	41.6	0.0	0.8	94.3	94.9	-4.54	-5.14	10.9	14.4	-33.89	INCREASED FLOW/VACUUM
PHL2014S	4/5/23 11:57	51.7	39.7	0.0	8.6	87.4	87.6	-7.97	-8.47	13.4	15.4	-32.62	INCREASED FLOW/VACUUM
PHL2014S	5/15/23 12:46	47.6	37.8	0.0	14.6	102.8	102.8	-7.91	-7.91	14.7	14.7	-32.99	
PHL2014S	6/7/23 11:04	49.2	37.9	0.0	12.9	102.4	102.5	-7.34	-7.34	14.5	14.5	-32.36	
PHL2014S	7/17/23 10:54	42.8	36.1	0.0	21.1	106.9	106.9	-7.30	-7.28	14.1	13.9	-32.83	NO CHANGE,MINIMAL VACUUM SETTING
PHL2015D	2/6/23 9:15	55.2	43.9	0.2	0.7	127.7	127.7	-10.79	-10.81	40.5	39.7	-18.50	NO CHANGE
PHL2015D	3/29/23 11:32	54.6	45.4	0.0	0.0	127.6	127.6	-4.02	-4.04	27.1	27.1	-7.70	
PHL2015D	4/17/23 11:01	54.8	43.2	1.0	1.0	129.5	129.1	-11.50	-11.77	34.2	49.1	-17.34	
PHL2015D	4/17/23 11:02	54.4	43.2	1.3	1.1	129.7	129.1	-11.83	-10.59	40.9	43.6	-16.12	SECOND READING
PHL2015D	5/1/23 10:24	44.0	37.4	3.4	15.2	127.8	128.5	-8.85	-9.68	41.2	36.3	-18.24	
PHL2015D	6/1/23 10:30	43.4	35.3	4.4	16.9	128.0	128.0	-8.00	-7.97	34.0	36.9	-13.90	
PHL2015S	2/6/23 9:17	57.2	42.8	0.0	0.0	114.9	114.9	-0.15	-0.15	10.7	10.7	-17.95	NO CHANGE
PHL2015S	3/29/23 11:35	54.0	46.0	0.0	0.0	119.9	120.5	-0.30	-0.31	26.1	27.0	-7.08	
PHL2015S	4/17/23 11:06	56.5	43.4	0.1	0.0	121.5	122.6	-0.44	-0.57	15.0	21.6	-23.05	
PHL2015S	4/17/23 11:10	55.0	45.0	0.0	0.0	124.1	124.3	-2.02	-1.97	20.9	17.5	-20.27	INCREASED FLOW/VACUUM,SECOND READING
PHL2015S	5/1/23 10:22	49.0	40.2	0.2	10.6	123.3	123.3	-2.15	-2.19	18.1	20.6	-20.63	
PHL2015S	6/1/23 10:32	38.6	36.4	0.0	25.0	123.1	123.1	-2.14	-2.12	18.1	17.6	-14.36	
PHL2016D	2/6/23 12:35	46.6	51.9	0.0	1.5	116.1	116.1	-11.36	-11.36	7.7	7.6	-34.93	NO CHANGE
PHL2016D	3/7/23 11:49	39.8	49.4	1.5	9.3	73.0	73.0	-24.45	-24.46	10.2	10.3	-33.38	MINIMAL VACUUM SETTING
PHL2016D	4/17/23 12:40	45.8	53.9	0.4		123.4	122.5	-18.76	-17.97	28.2	28.5	-26.61	
PHL2016D	5/1/23 10:52	50.1	44.3	0.6	5.0	113.8	113.9	-17.00	-17.04	50.2	48.2	-34.54	
PHL2016D	6/7/23 13:04	47.1	48.2	0.7	4.0	128.2	128.0	-18.65	-18.67	34.5	31.1	-30.79	
PHL2016D	7/17/23 10:40	45.0	48.4	0.2	6.4	127.9	124.2	-16.72	-14.60	29.4	19.2	-31.17	DECREASED FLOW/VACUUM
PHL2016S	2/6/23 12:32	53.3	45.6	0.0	1.1	122.8	122.8	-0.22	-0.21	10.9	11.0	-35.94	NO CHANGE
PHL2016S	3/7/23 11:51	48.0	37.0	0.0	15.0	110.8	110.9	-3.10	-3.08	40.6	40.7	-33.62	
PHL2016S	4/17/23 12:33	54.6	45.4	0.0	0.0	123.2	122.6	-2.03	-1.61	53.8	53.8	-27.32	
PHL2016S	5/1/23 10:54	55.3	44.7	0.0	0.0	126.7	126.8	-1.53	-1.50	57.5	59.5	-35.19	
PHL2016S	6/7/23 13:06	55.6	41.4	0.5	2.5	128.0	127.9	-1.01	-1.02	53.7	58.0	-27.88	
PHL2016S	7/17/23 10:47	55.7	44.3	0.0	0.0	127.9	128.1	-1.24	-1.60	55.2	70.5	-30.58	INCREASED FLOW/VACUUM
PHL2017D	2/6/23 12:47	55.1	44.1	0.0	0.8	121.7	123.0	-0.08	-0.15	10.2	11.8	-35.20	INCREASED FLOW/VACUUM
PHL2017D	3/30/23 10:45	55.7	42.6	0.0	1.7	120.7	122.1	-0.90	-1.10	9.4	17.8	-32.36	INCREASED FLOW/VACUUM
PHL2017D	4/17/23 14:39	44.5	38.6	0.4	16.5	126.0	125.9	-1.15	-1.14	17.6	17.6	-32.47	
PHL2017D	5/1/23 11:55	42.1	38.2	0.2	19.5	125.9	125.9	-1.61	-1.56	17.9	18.0	-31.95	
PHL2017D	6/7/23 16:05	44.2	37.7	0.9	17.2	126.9	127.0	-0.98	-0.98	17.1	19.0	-32.36	
PHL2017D	7/17/23 11:08	42.7	38.6	0.1	18.6	126.4	126.3	-1.96	-1.96	29.8	29.8	-29.31	DECREASED FLOW/VACUUM
PHL2017S	2/6/23 12:49	52.9	46.2	0.0	0.9	77.1	80.1	-30.21	-30.76	15.6	26.1	-35.53	INCREASED FLOW/VACUUM
PHL2017S	3/30/23 10:47	50.4	49.6	0.0	0.0	118.3	118.3	-30.22	-30.23	13.1	13.1	-33.79	
PHL2017S	4/17/23 14:42	50.8	48.7	0.5	0.0	121.0	121.2	-29.64	-30.13	15.4	12.3	-34.25	
PHL2017S	5/1/23 11:53	53.1	46.6	0.4		122.5	122.1	-30.21	-30.20	10.7	10.8	-34.05	
PHL2017S	6/7/23 16:07	50.6	43.7	2.3	3.4	124.3	124.0	-28.95	-28.96	13.5	13.6	-32.52	
PHL2017S	7/17/23 11:14	50.9	49.1	0.0	0.0	129.8	130.1	-26.12	-26.13	10.3	10.4	-29.89	
PHL2101D	2/14/23 13:55	58.9	41.1	0.0	0.0	111.0	111.1	-18.04	-18.04	30.6	28.9	-19.15	
PHL2101D	3/13/23 11:32	57.9	42.1	0.0	0.0	113.0	113.0	-31.46	-31.46	37.7	37.7	-33.38	VALVE FULL OPEN
PHL2101D	4/17/23 11:40	58.5	41.4	0.0	0.1	107.0	107.1	-29.79	-29.79	47.1	47.2	-33.21	VALVE FULL OPEN
PHL2101D	5/15/23 9:58	51.0	38.3	0.0	10.7	109.4	109.4	-30.12	-30.09	43.1	41.7	-32.95	VALVE FULL OPEN
PHL2101D	6/7/23 13:17	54.1	38.5	0.0	7.4	110.9	110.9	-29.61	-29.61	43.1	43.2	-32.49	VALVE FULL OPEN
PHL2101D	7/17/23 14:50	51.9	36.9	0.5	10.7	115.3	115.5	-26.15	-26.15	37.0	37.0	-28.37	NO CHANGE,VALVE FULL OPEN
PHL2101S	2/14/23 13:53	56.5	43.5	0.0	0.0	125.2	125.3	-1.10	-1.09	16.0	16.0	-19.20	
PHL2101S	3/13/23 11:28	55.1	44.9	0.0	0.0	125.9	126.0	-2.32	-2.38	19.7	22.1	-33.76	INCREASED FLOW/VACUUM
PHL2101S	4/17/23 11:38	55.5	43.2	0.0	1.3	125.6	123.7	-2.83	-3.25	21.7	11.3	-36.46	INCREASED FLOW/VACUUM
PHL2101S	5/15/23 9:56	45.8	40.3	0.0	13.9	127.1	127.2	-3.90	-3.12	46.0	27.9	-32.52	DECREASED FLOW/VACUUM
PHL2101S	6/7/23 13:16	48.7	40.5	0.0	10.8	125.8	125.9	-2.46	-2.46	32.1	30.4	-32.31	
PHL2101S	7/17/23 14:48	46.8	40.6	0.0	12.6	128.7	128.8	-1.98	-1.98	27.3	27.2	-28.37	NO CHANGE,MINIMAL VACUUM SETTING
PHL2102D	2/14/23 13:44	56.0	43.9	0.1	0.0	125.7	125.7	-10.59	-10.59	63.6	63.1	-19.94	
PHL2102D	3/13/23 11:40	53.7	45.2	0.0	1.1	128.6	128.5	-17.67	-18.43	80.6	87.0	-31.71	INCREASED FLOW/VACUUM,VALVE FULL OPEN
PHL2102D	4/17/23 11:45	55.8	44.2	0.0	0.0	129.3	129.3	-19.32	-19.33	82.7	82.7	-30.37	VALVE FULL OPEN
PHL2102D	5/15/23 10:03	49.1	43.2	0.0	7.7	129.2	129.2	-20.99	-20.97	80.7	82.1	-32.19	
PHL2102D	6/7/23 13:24	46.8	40.8	0.0	12.4	129.8	130.0	-20.67	-18.41	78.1	61.7	-33.96	DECREASED FLOW/VACUUM
PHL2102D	7/17/23 15:01	47.8	40.2	0.0	12.0	131.9	132.1	-14.99	-13.67	57.6	50.6	-28.54	DECREASED FLOW/VACUUM
PHL2102D	7/17/23 15:03	47.7	40.1	0.0	12.2	132.1	132.1	-13.37	-13.36	50.5	50.6	-28.76	SECOND READING
PHL2102S	2/14/23 13:47	54.3	45.7	0.0	0.0	130.1	130.3	-0.13	-0.16	28.9	25.6	-18.66	

Point Name	Record Date	CH4 [%]	CO2 [%]	O2 [%]	Bal Gas [%]	Init Temp [°F]	Adj Temp [°F]	Init Stat Press ["H2O]	Adj Stat Press ["H2O]	Init Flow [scfm]	Adj Flow [scfm]	Sys Pressure ["H2O]	Comments
PHL2102S	3/13/23 11:37	52.7	47.3	0.0	0.0	132.3	132.6	-1.57	-2.10	32.9	42.7	-33.38	INCREASED FLOW/VACUUM
PHL2102S	3/13/23 11:38	52.5	47.5	0.0	0.0	133.2	133.3	-2.26	-2.25	43.5	43.5	-33.18	
PHL2102S	4/17/23 11:43	54.6	45.4	0.0	0.0	132.8	133.3	-2.56	-3.90	42.0	67.4	-33.25	INCREASED FLOW/VACUUM
PHL2102S	4/17/23 11:44	54.2	45.8	0.0	0.0	133.9	133.8	-4.11	-4.11	67.7	67.2	-33.76	
PHL2102S	5/15/23 10:00	44.2	42.0	0.0	13.8	133.7	133.9	-4.81	-2.96	67.0	32.2	-31.82	DECREASED FLOW/VACUUM
PHL2102S	5/15/23 10:01	44.1	43.2	0.0	12.7	132.7	132.7	-2.51	-2.51	31.9	31.9	-32.16	
PHL2102S	6/7/23 13:20	46.3	41.5	0.0	12.2	131.0	130.6	-2.28	-1.72	31.0	17.4	-30.54	
PHL2102S	6/7/23 13:22	47.6	42.3	0.0	10.1	125.6	126.6	-1.50	-1.50	41.7	41.7	-30.75	DECREASED FLOW/VACUUM
PHL2102S	7/17/23 14:55	46.2	41.6	0.0	12.2	132.0	132.0	-1.05	-1.05	38.4	38.4	-26.35	NO CHANGE,MINIMAL VACUUM SETTING
PHL2102S	7/17/23 14:58	46.4	41.7	0.0	11.9	131.6	131.5	-0.90	-0.90	31.5	31.5	-26.44	DECREASED FLOW/VACUUM,SECOND READING
PHL2104D	2/14/23 13:06	53.7	46.3	0.0	0.0	127.8	128.0	-3.70	-3.70	41.5	40.9	-17.44	
PHL2104D	3/13/23 11:49	53.5	46.5	0.0	0.0	129.4	129.4	-6.90	-7.62	52.8	65.4	-32.86	INCREASED FLOW/VACUUM
PHL2104D	4/17/23 11:51	55.8	44.2	0.0	0.0	128.9	128.9	-9.18	-10.33	63.6	78.9	-30.55	INCREASED FLOW/VACUUM
PHL2104D	5/1/23 15:04	55.4	44.2	0.4	0.0	132.3	132.3	-19.14	-19.14	0.0	0.0	-31.77	
PHL2104D	5/1/23 15:04	54.7	44.6	0.8		132.3	132.3	-11.87	-11.85	78.5	78.5	-31.65	
PHL2104D	5/15/23 10:09	55.5	44.5	0.0	0.0	129.8	129.8	-12.65	-14.16	77.1		-27.44	INCREASED FLOW/VACUUM,VALVE FULL OPEN
PHL2104D	6/7/23 13:30	55.5	44.5	0.0	0.0	130.1	130.2	-15.44	-15.46			-28.89	VALVE FULL OPEN
PHL2104D	7/17/23 15:11	54.9	44.2	0.0	0.9	133.4	133.4	-13.77	-13.77	82.4	82.7	-24.55	NO CHANGE,VALVE FULL OPEN
PHL2104D	7/17/23 15:11	54.9	44.2	0.0	0.9	133.4	133.4	-13.77	-13.77	82.4	82.7	-24.55	
PHL2104D	7/17/23 15:13	55.1	44.8	0.0	0.1	133.4	133.4	-13.72	-13.73	82.5	82.6	-24.58	SECOND READING
PHL2104S	2/14/23 13:04	54.2	45.8	0.0	0.0	130.3	130.4	-1.52	-1.49	36.3	37.2	-18.69	
PHL2104S	3/13/23 11:46	53.6	45.5	0.0	0.9	132.2	132.3	-3.10	-2.74	44.3	43.4	-31.21	
PHL2104S	3/13/23 11:47	52.8	47.2	0.0	0.0	132.7	132.7	-4.80	-4.79	67.2	67.2	-33.25	
PHL2104S	3/22/23 10:55	57.0	42.6	0.0	0.4	129.8	129.9	-6.55	-6.54	65.7	65.7	-33.01	NO CHANGE
PHL2104S	3/22/23 10:56	56.7	42.8	0.0	0.5	129.9	129.9	-6.35	-6.37	66.0	66.0	-33.52	SECOND READING
PHL2104S	4/17/23 11:48	55.3	44.7	0.0	0.0	131.5	131.7	-5.33	-6.74	67.1	84.5	-32.28	INCREASED FLOW/VACUUM
PHL2104S	4/17/23 11:49	54.6	45.4	0.0	0.0	131.9	131.9	-7.00	-7.00	85.5	84.8	-32.02	
PHL2104S	4/24/23 11:32	55.2	44.8	0.0	0.0	132.2	132.3	-7.87	-8.48	83.0	90.8	-31.14	INCREASED FLOW/VACUUM
PHL2104S	5/1/23 15:00	57.0	42.6	0.4	0.0	135.0	135.0	-8.56	-8.54			-31.78	
PHL2104S	5/1/23 15:01	56.1	42.9	1.0	0.0	135.0	135.0	-8.42	-8.43			-32.26	
PHL2104S	5/15/23 10:06	56.0	44.0	0.0	0.0	131.4	131.4	-9.13	-9.95			-29.15	VALVE FULL OPEN
PHL2104S	5/15/23 10:07	55.2	44.8	0.0	0.0	131.2	131.2	-10.60	-10.61			-29.36	VALVE FULL OPEN
PHL2104S	6/7/23 13:27	55.0	43.1	0.0	1.9	131.1	131.1	-10.75	-10.75			-29.11	VALVE FULL OPEN
PHL2104S	6/7/23 13:28	55.8	44.1	0.0	0.1	131.3	131.2	-10.82	-10.82			-29.02	VALVE FULL OPEN
PHL2104S	7/17/23 15:08	53.3	43.2	0.0	3.5	133.4	133.4	-9.35	-9.36			-25.10	NO CHANGE,VALVE FULL OPEN
PHL2104S	7/17/23 15:09	53.3	43.5	0.0	3.2	133.4	133.4	-9.38	-9.37			-24.97	SECOND READING
PHL2104S	7/17/23 15:09	53.3	43.5	0.0	3.2	133.4	133.4	-9.38	-9.37			-24.97	
PHL2114S	2/6/23 12:59	40.2	36.9	0.0	22.9	77.7	77.7	-6.92	-6.91	11.8	11.8	-34.67	
PHL2114S	3/7/23 12:22	43.8	35.1	0.0	21.1	72.9	73.0	-5.92	-5.90	10.7	10.2	-34.37	
PHL2114S	4/17/23 10:45	43.7	34.0	0.0	22.3	77.5	77.6	-6.56	-6.56	11.4	11.4	-34.66	
PHL2114S	5/15/23 11:49	40.0	33.6	0.0	26.4	97.1	97.1	-7.37	-7.37	12.2	12.2	-33.76	
PHL2114S	6/7/23 11:43	42.2	34.0	0.0	23.8	93.8	93.8	-7.07	-7.06	11.7	11.8	-33.39	
PHL2114S	7/17/23 13:54	39.9	33.4	0.0	26.7	110.1	110.1	-6.56	-6.57	11.6	11.5	-32.95	NO CHANGE,MINIMAL VACUUM SETTING
PHL2114S	7/17/23 13:54	39.9	33.4	0.0	26.7	110.1	110.1	-6.56	-6.57	11.6	11.5	-32.95	
PHL2115D	2/6/23 13:08	45.8	54.1	0.1	0.0	107.1	106.9	-22.57	-22.58	2.0	2.1	-34.91	MINIMAL VACUUM SETTING
PHL2115D	3/7/23 12:34	45.6	48.5	1.1	4.8	106.0	106.1	-19.77	-19.78	2.0	2.0	-33.91	MINIMAL VACUUM SETTING
PHL2115D	4/5/23 13:15	47.5	52.2	0.3	0.0	112.9	113.2	-23.90	-24.39	4.0	4.0	-32.95	
PHL2115D	5/15/23 12:19	46.4	49.4	0.3	3.9	112.0	112.1	-29.32	-29.33	2.4	2.4	-33.01	
PHL2115D	6/7/23 11:52	48.1	51.9	0.0	0.0	110.3	110.3	-29.08	-29.10	2.3	2.2	-32.87	
PHL2115D	7/17/23 12:54	48.0	52.0	0.0	0.0	118.5	118.6	-28.79	-28.81	3.3	3.3	-32.88	NO CHANGE,MINIMAL VACUUM SETTING
PHL2115S	2/6/23 13:06	51.1	40.1	0.1	8.7	106.0	106.6	-1.52	-2.08	3.3	5.8	-34.26	INCREASED FLOW/VACUUM
PHL2115S	3/7/23 12:32	51.6	36.4	1.5	10.5	106.0	106.7	-1.63	-2.69	2.9	7.6	-33.46	INCREASED FLOW/VACUUM
PHL2115S	4/5/23 13:13	50.4	36.2	1.5	11.9	110.8	110.9	-3.07	-3.06	4.5	4.7	-31.14	
PHL2115S	5/15/23 12:17	58.6	39.5	0.0	1.9	108.4	110.6	-1.72	-2.97	3.8	7.7	-33.07	INCREASED FLOW/VACUUM
PHL2115S	6/7/23 11:50	50.9	36.7	1.1	11.3	111.3	111.4	-3.22	-3.22	5.7	5.8	-33.08	
PHL2115S	7/17/23 12:52	51.7	37.6	0.0	10.7	118.9	118.8	-1.92	-1.93	4.3	4.4	-32.77	NO CHANGE,MINIMAL VACUUM SETTING
PHL2116D	2/6/23 12:19	41.7	58.1	0.2	0.0	61.9	67.3	-31.65	-31.69	1.2	1.3	-34.62	
PHL2116D	3/30/23 9:29	40.8	53.5	1.2	4.5	81.9	81.8	-22.84	-23.45	3.3	3.2	-33.04	MINIMAL VACUUM SETTING
PHL2116D	4/5/23 12:21	41.2	53.4	1.5	3.9	82.2	81.9	-33.15	-33.13	0.8	1.5	-33.40	
PHL2116D	5/15/23 12:26	40.9	50.5	1.5	7.1	88.1	86.1	-32.88	-32.30	0.8	1.5	-32.31	
PHL2116D	6/7/23 11:22	40.5	50.4	2.0	7.1	82.2	81.1	-32.22	-32.13	0.0	0.0	-32.57	
PHL2116D	7/17/23 12:48	43.2	52.8	0.5	3.5	101.9	101.8	-30.61	-30.57	0.8	0.8	-32.56	NO CHANGE,MINIMAL VACUUM SETTING
PHL2116S	2/6/23 12:12	46.9	37.7	0.0	15.4	113.0	113.1	-3.04	-3.04	9.8	9.8	-32.78	
PHL2116S	3/30/23 9:26	44.3	35.0	0.0	20.7	110.1	110.2	-3.86	-3.87	9.5	9.9	-32.92	
PHL2116S	4/5/23 12:19	44.4	35.5	0.0	20.1	113.0	113.0	-3.61	-3.60	9.6	9.6	-33.45	
PHL2116S	5/15/23 12:24	41.1	34.3	0.0	24.6	115.7	115.8	-3.38	-3.39	9.4	9.4	-33.26	
PHL2116S	6/7/23 11:20	40.5	34.4	0.0	25.1	114.9	114.9	-3.12	-3.13	9.3	9.3	-32.97	
PHL2116S	7/17/23 12:46	38.1	33.3	0.0	28.6	118.8	118.8	-3.08	-3.09	9.1	9.1	-33.10	NO CHANGE,MINIMAL VACUUM SETTING
PHL2117D	2/6/23 13:17	44.7	54.3	0.1	0.9	95.7	95.6	-29.36	-29.36	1.9	1.9	-33.93	
PHL2117D	3/7/23 12:43	45.5	53.9	0.2	0.4	93.4	93.4	-27.92	-27.88	1.7	1.7	-33.61	MINIMAL VACUUM SETTING
PHL2117D	4/5/23 13:25	46.3	53.3	0.3	0.1	99.3	99.1	-25.35	-25.35	1.6	1.6	-32.47	
PHL2117D	5/15/23 12:58	46.0	52.2	0.4	1.4	110.7	110.7	-25.50	-25.51	2.2	2.2	-33.00	
PHL2117D	6/7/23 11:13	45.7	52.4	0.4	1.5	108.2	108.1	-25.71	-25.71	1.7	1.7	-32.76	
PHL2117D	7/17/23 12:33	46.7	53.0	0.0	0.3	118.6	118.8	-23.71	-23.71	1.5	1.5	-32.86	NO CHANGE

Potrero Hills Landfill - Well Data - 02/01/2023 to 07/31/2023

Point Name	Record Date	CH4 [%]	CO2 [%]	O2 [%]	Bal Gas [%]	Init Temp [°F]	Adj Temp [°F]	Init Stat Press ["H2O]	Adj Stat Press ["H2O]	Init Flow [scfm]	Adj Flow [scfm]	Sys Pressure ["H2O]	Comments
PHL2117S	2/6/23 13:15	41.2	38.7	0.0	20.1	119.7	119.8	-0.73	-0.71	8.2	8.2	-34.94	
PHL2117S	3/7/23 12:40	35.4	36.1	0.0	28.5	120.1	120.2	-1.01	-1.00	9.3	9.3	-33.38	MINIMAL VACUUM SETTING
PHL2117S	4/5/23 13:23	37.1	35.6	0.0	27.3	120.8	120.9	-1.47	-1.44	9.3	9.3	-33.13	MINIMAL VACUUM SETTING
PHL2117S	5/15/23 12:56	32.3	33.8	0.0	33.9	123.0	123.1	-1.19	-1.20	9.3	9.3	-33.34	MINIMAL VACUUM SETTING
PHL2117S	6/7/23 11:10	34.2	34.5	0.4	30.9	121.0	121.0	-1.02	-1.02	9.2	9.2	-32.63	
PHL2117S	7/17/23 12:31	34.0	35.4	0.0	30.6	127.1	127.1	-0.72	-0.73	6.8	6.8	-33.10	NO CHANGE,MINIMAL VACUUM SETTING
PHL2118D	2/6/23 13:22	45.0	53.6	0.0	1.4	138.3	138.3	-17.56	-17.57	8.5	8.5	-34.16	
PHL2118D	2/14/23 11:31	47.5	50.4	0.2	1.9	135.8	135.8	-10.54	-10.54	7.0	7.0	-20.49	
PHL2118D	2/20/23 10:49	45.5	50.6	0.0	3.9	140.8	140.9	-16.78	-16.77	8.9	8.9	-34.17	
PHL2118D	3/1/23 11:35	46.1	50.1	0.0	3.8	135.4	135.4	-16.10	-16.10	8.6	8.6	-34.15	NO CHANGE
PHL2118D	3/1/23 11:37	46.3	45.2	0.0	8.5	135.0	135.0	-16.14	-16.14	8.8	8.8	-34.13	SECOND READING
PHL2118D	3/7/23 10:33	47.3	50.7	0.0	2.0	136.4	136.6	-15.96	-15.97	8.6	8.5	-34.05	
PHL2118D	3/13/23 10:32	46.0	53.1	0.0	0.9	136.4	136.6	-16.46	-16.47	6.0	6.2	-34.30	
PHL2118D	3/22/23 10:20	47.2	47.3	0.0	5.5	129.1	129.1	-12.91	-12.91	7.8	7.8	-34.09	NO CHANGE
PHL2118D	3/22/23 10:22	47.3	47.4	0.0	5.3	129.1	129.4	-12.82	-12.82	7.6	7.6	-32.61	SECOND READING
PHL2118D	3/29/23 9:48	46.8	51.3	0.0	1.9	134.3	134.5	-9.23	-9.23	8.5	7.2	-34.02	
PHL2118D	4/5/23 11:08	47.0	50.9	0.0	2.1	136.4	136.5	-10.21	-10.22	7.5	7.5	-32.71	
PHL2118D	4/10/23 12:24	42.5	54.9	0.0	2.6	136.0	135.9	-10.74	-10.75	7.5	7.5	-34.11	CONCERN FOR POTENTIAL SSO
PHL2118D	4/10/23 12:25	42.5	55.9	0.0	1.6	135.5	135.7	-10.67	-10.66	7.2	7.3	-33.61	SECOND READING
PHL2118D	4/17/23 10:30	47.1	50.5	0.0	2.4	135.2	135.2	-10.39	-10.38	7.2	7.2	-34.57	
PHL2118D	4/24/23 12:09	47.4	49.7	0.0	2.9	138.6	138.7	-10.78	-10.79	7.4	7.3	-33.20	
PHL2118D	5/1/23 10:47	46.6	49.4	0.0	4.0	136.9	137.0	-9.78	-9.78	8.3	7.6	-33.47	
PHL2118D	5/8/23 9:58	47.4	50.2	0.0	2.4	136.7	136.8	-10.11	-10.12	7.4	7.4	-32.98	
PHL2118D	5/15/23 11:15	47.2	49.8	0.0	3.0	139.0	138.9	-11.73	-11.73	7.1	7.1	-33.46	
PHL2118D	5/22/23 11:38	47.5	50.8	0.0	1.7	140.8	140.9	-9.80	-9.80	7.4	7.4	-33.29	
PHL2118D	6/1/23 11:11	48.3	50.2	0.1	1.4	141.8	141.7	-10.19	-10.20	7.3	7.3	-33.71	
PHL2118D	6/1/23 11:11	48.3	50.2	0.1	1.4	141.8	141.7	-10.19	-10.20	7.3	7.3	-33.71	
PHL2118D	6/7/23 10:41	47.0	50.5	0.0	2.5	139.3	139.3	-9.57	-9.58	7.3	7.3	-33.32	
PHL2118D	6/12/23 16:03	45.2	49.8	0.0	5.0	141.8	142.0	-10.51	-10.48	6.6	6.7	-33.50	
PHL2118D	6/19/23 11:54	46.1	50.7	0.0	3.2	139.4	139.7	-11.67	-11.66	7.4	7.4	-34.10	
PHL2118D	7/10/23 13:26	45.1	51.4	0.0	3.5	140.9	141.0	-11.11	-11.10	6.6	6.7	-32.04	
PHL2118D	7/17/23 10:42	46.4	50.9	0.0	2.7	142.5	142.8	-10.52	-10.51	7.6	7.6	-33.54	NO CHANGE,MINIMAL VACUUM SETTING
PHL2118D	7/17/23 10:44	46.5	50.9	0.0	2.6	142.6	142.6	-10.46	-10.47	7.3	7.4	-33.04	SECOND READING
PHL2118D	7/25/23 10:45	44.9	46.1	3.7	5.3	141.4	141.6	-11.51	-11.50	7.8	7.8	-33.03	
PHL2118S	2/6/23 13:20	48.6	43.0	0.0	8.4	117.4	117.5	-0.46	-0.45	11.4	11.2	-34.50	
PHL2118S	3/7/23 10:32	51.4	40.6	0.0	8.0	116.7	116.8	-0.65	-0.65	11.5	11.5	-33.99	
PHL2118S	4/5/23 11:06	53.7	41.2	0.0	5.1	114.2	119.1	-0.87	-0.96	11.6	15.7	-33.34	INCREASED FLOW/VACUUM
PHL2118S	5/1/23 10:45	42.5	37.4	0.0	20.1	115.4	115.6	-1.03	-0.95	15.4	11.4	-33.84	DECREASED FLOW/VACUUM
PHL2118S	5/15/23 11:14	43.2	37.6	0.0	19.2	116.7	117.0	-0.96	-0.94	11.5	11.5	-33.67	
PHL2118S	6/7/23 10:40	41.4	37.1	0.0	21.5	117.4	117.4	-0.76	-0.76	11.3	11.3	-33.46	
PHL2118S	7/10/23 13:24	36.3	35.6	0.0	28.1	118.7	118.6	-0.67	-0.67	11.1	11.1	-32.61	MINIMAL VACUUM SETTING
PHL2118S	7/17/23 10:40	37.6	35.8	0.0	26.6	120.7	120.6	-0.71	-0.71	11.1	11.1	-33.61	NO CHANGE,MINIMAL VACUUM SETTING
PHL2119D	2/6/23 9:02	56.2	43.8	0.0	0.0	139.6	139.7	-9.12	-9.12	19.2	19.1	-21.11	NO CHANGE
PHL2119D	2/6/23 9:03	55.9	43.0	0.0	1.1	139.4	139.4	-9.13	-9.13	19.4	19.0	-21.49	SECOND READING
PHL2119D	3/29/23 11:28	54.9	45.1	0.0	0.0	139.3	139.4	-0.57	-0.60	23.1	23.1	-9.35	
PHL2119D	3/29/23 11:29	54.7	45.3	0.0	0.0	139.5	139.5	-1.84	-1.84	22.0	22.0	-8.70	
PHL2119D	4/17/23 10:51	55.1	44.7	0.2	0.0	143.1	143.2	-13.71	-14.03	31.0	22.4	-29.56	
PHL2119D	4/17/23 10:54	54.7	45.3	0.0	0.0	143.6	143.6	-16.08	-15.50	20.2	21.6	-31.76	SECOND READING,DECOM HIGH TEMP
PHL2119D	5/1/23 10:18	55.6	44.3	0.1	0.0	143.3	143.0	-17.81	-15.74	22.3	27.9	-23.78	
PHL2119D	5/1/23 10:19	55.1	44.9	0.0	0.0	143.1	143.2	-15.82	-17.63	28.4	38.5	-21.20	SECOND READING
PHL2119D	6/1/23 9:31	56.1	43.5	0.1	0.3	141.9	141.6	-11.18	-10.65	9.0	9.6	-21.49	
PHL2119D	6/1/23 9:31	56.1	43.5	0.1	0.3	141.9	141.6	-11.18	-10.65	9.0	9.6	-21.49	
PHL2119D	6/1/23 9:34	55.6	44.4	0.0	0.0	140.4	140.4	-7.95	-7.88	8.4	8.0	-20.03	DECREASED FLOW/VACUUM,SECOND READING
PHL2119D	7/10/23 13:44	55.4	44.6	0.0	0.0	140.5	140.5	-2.32	-2.34	20.9	21.4	-31.75	
PHL2119D	7/10/23 13:45	55.4	44.2	0.0	0.4	140.6	140.6	-2.90	-2.91	20.9	20.9	-31.57	
PHL2119S	2/6/23 9:00	54.7	45.3	0.0	0.0	115.3	115.3	-0.18	-0.18	9.6	8.9	-21.30	NO CHANGE
PHL2119S	3/29/23 11:26	49.1	50.9	0.0	0.0	113.2	113.9	-0.12	-0.13	17.2	15.9	-8.59	
PHL2119S	4/17/23 10:47	48.6	41.9	0.1	9.4	126.8	126.8	-1.09	-0.99	26.6	22.9	-30.65	
PHL2119S	5/1/23 10:15	38.8	37.1	0.3	23.8	126.1	126.2	-1.11	-1.08	22.2	25.3	-17.87	
PHL2119S	6/1/23 9:28	31.0	33.0	0.0	36.0	125.3	125.3	-0.94	-0.91	11.3	13.3	-19.48	
PHL2119S	7/10/23 13:41	26.8	32.0	0.0	41.2	123.2	123.2	-1.21	-1.22	27.8	27.4	-31.86	DECREASED FLOW/VACUUM
PHL2119S	7/10/23 13:42	25.7	32.3	0.1	41.9	122.4	122.5	-0.56	-0.54	9.8	9.8	-31.22	
PHL2120D	2/6/23 11:42	54.5	43.1	0.0	2.4	141.8	141.8	-15.21	-15.21	29.2	27.3	-20.95	NO CHANGE
PHL2120D	2/6/23 11:44	53.5	42.5	0.0	4.0	141.4	141.4	-14.34	-14.33	25.5	25.2	-25.62	SECOND READING,DECREASED FLOW/VACUUM
PHL2120D	2/14/23 11:53	54.6	45.4	0.0	0.0	141.0	141.1	-10.05	-10.06	27.3	26.8	-16.86	
PHL2120D	2/20/23 11:12	53.7	46.3	0.0	0.0	142.4	142.5	-14.15	-14.20	33.3	23.9	-24.20	
PHL2120D	3/1/23 11:22	53.9	44.0	0.0	2.1	140.9	140.9	-10.57	-10.57	24.9	25.2	-17.40	NO CHANGE
PHL2120D	3/1/23 11:24	53.8	43.9	0.0	2.3	140.8	140.5	-10.52	-10.53	26.7	27.0	-17.36	SECOND READING
PHL2120D	3/7/23 11:16	54.3	45.1	0.0	0.6	141.0	141.2	-9.55	-9.57	25.4	24.9	-16.01	
PHL2120D	3/13/23 12:53	54.5	45.5	0.0	0.0	141.7	141.8	-0.24	-0.25	21.1	21.1	-3.09	
PHL2120D	3/22/23 10:03	56.4	42.7	0.0	0.9	141.2	141.2	-0.48	-0.47	19.0	18.4	-2.55	CONCERN FOR POTENTIAL SSO
PHL2120D	3/22/23 10:05	56.5	42.8	0.0	0.7	141.0	141.0	-0.18	-0.19	18.5	18.9	-2.53	SECOND READING
PHL2120D	3/29/23 11:17	55.0	44.9	0.1	0.0	140.8	140.8	-4.57	-4.58	25.5	26.4	-8.75	
PHL2120D	4/10/23 12:13	45.5	43.7	0.8	10.0	141.6	141.5	-19.82	-19.82	35.0	34.5	-27.90	CONCERN FOR POTENTIAL SSO
PHL2120D	4/10/23 12:14	45.3	46.7	0.7	7.3	141.6	141.5	-19.81	-19.81	34.2	34.5	-28.15	SECOND READING

Potrero Hills Landfill - Well Data - 02/01/2023 to 07/31/2023

Point Name	Record Date	CH4 [%]	CO2 [%]	O2 [%]	Bal Gas [%]	Init Temp [°F]	Adj Temp [°F]	Init Stat Press ["H2O]	Adj Stat Press ["H2O]	Init Flow [scfm]	Adj Flow [scfm]	Sys Pressure ["H2O]	Comments
PHL2120D	4/24/23 12:21	49.4	41.2	1.6	7.8	140.2	140.4	-13.76	-15.39	17.7	26.7	-30.97	
PHL2120D	5/1/23 11:13	50.3	42.6	1.5	5.6	141.4	141.7	-9.55	-9.61	9.2	13.0	-22.43	
PHL2120D	5/1/23 11:13	50.3	42.6	1.5	5.6	141.4	141.7	-9.55	-9.61	9.2	13.0	-22.43	
PHL2120D	5/1/23 11:14	48.3	41.8	1.9	8.0	141.2	141.2	-8.07	-8.05	10.8	14.6	-24.04	SECOND READING
PHL2120D	5/8/23 9:48	56.0	43.5	0.1	0.4	140.7	140.7	-0.31	-0.33	19.4	19.1	-26.30	
PHL2120D	5/15/23 10:52	55.8	43.1	0.0	1.1	141.0	141.4	-1.15	-1.14	17.1	18.2	-23.86	
PHL2120D	5/22/23 11:07	56.0	43.1	0.0	0.9	143.0	143.3	-5.28	-3.68	23.5	22.7	-19.54	
PHL2120D	6/1/23 11:21	55.7	42.4	0.5	1.4	144.8	144.8	-3.56	-3.51	19.8	19.5	-21.91	
PHL2120D	6/1/23 11:21	55.7	42.4	0.5	1.4	144.8	144.8	-3.56	-3.51	19.8	19.5	-21.91	
PHL2120D	6/7/23 10:51	55.9	43.8	0.1	0.2	141.6	141.6	-0.65	-0.65	21.5	21.2	-19.38	
PHL2120D	7/10/23 13:37	49.4	43.1	1.2	6.3	141.5	141.6	-23.04	-23.04	36.4	36.6	-30.68	
PHL2120D	7/17/23 10:30	52.4	43.7	0.9	3.0	141.9	142.0	-22.87	-22.86	35.4	35.8	-30.31	
PHL2120D	7/25/23 10:52	52.3	42.9	2.9	1.9	142.7	142.8	-24.61	-24.61	35.7	35.8	-32.14	
PHL2120S	2/6/23 11:41	53.0	44.2	0.0	2.8	121.7	121.7	-0.93	-0.92	9.4	8.6	-21.03	NO CHANGE
PHL2120S	3/7/23 11:15	52.2	47.8	0.0	0.0	121.3	121.9	-0.82	-0.84	8.2	9.5	-16.01	INCREASED FLOW/VACUUM
PHL2120S	3/22/23 10:01	52.6	46.6	0.0	0.8	103.9	103.9	-0.66	-0.66	4.3	4.2	-2.59	NO CHANGE
PHL2120S	3/29/23 11:19	51.7	48.3	0.0	0.0	124.0	124.0	-0.37	-0.37	6.6	6.6	-9.29	
PHL2120S	4/24/23 8:35	52.3	45.4	0.2	2.1	125.8	126.0	-2.06	-2.04	10.6	10.2	-19.95	
PHL2120S	4/24/23 8:35	52.3	45.4	0.2	2.1	125.8	126.0	-2.06	-2.04	10.6	10.2	-19.95	
PHL2120S	4/24/23 12:24	50.7	46.3	0.0	3.0	125.5	125.5	-1.74	-1.73	9.0	8.6	-22.90	
PHL2120S	5/1/23 11:10	48.9	45.6	0.0	5.5	125.8	125.8	-1.93	-1.89	10.0	11.0	-23.26	
PHL2120S	6/7/23 10:49	45.6	44.2	0.0	10.2	125.8	125.8	-1.26	-1.23	9.6	8.7	-18.21	
PHL2120S	7/10/23 13:35	38.0	42.0	0.0	20.0	125.0	123.7	-1.74	-1.08	11.0	8.0	-31.28	DECREASED FLOW/VACUUM
PHL2121D	2/20/23 10:09	57.4	42.1	0.0	0.5	129.8	129.6	-10.18	-10.19	31.1	31.2	-35.06	NO CHANGE
PHL2121D	3/30/23 10:39	56.7	43.3	0.0	0.0	134.7	135.1	-10.52	-13.53	31.0	49.4	-34.83	INCREASED FLOW/VACUUM
PHL2121D	3/30/23 10:40	55.8	44.2	0.0	0.0	135.5	135.6	-16.89	-16.90	45.1	44.2	-34.80	
PHL2121D	4/24/23 9:44	55.7	42.7	0.3	1.3	139.4	139.4	-20.76	-20.76	38.9	40.8	-35.45	
PHL2121D	4/24/23 9:45	54.0	42.8	0.1	3.1	139.5	139.5	-20.80	-20.80	39.6	40.8	-35.01	SECOND READING
PHL2121D	4/24/23 9:45	54.0	42.8	0.1	3.1	139.5	139.5	-20.80	-20.80	39.6	40.8	-35.01	SECOND READING
PHL2121D	5/1/23 12:04	57.1	42.6	0.2	0.1	125.9	126.2	-20.48	-20.49	41.9	40.2	-36.09	
PHL2121D	5/1/23 12:04	57.1	42.6	0.2	0.1	125.9	126.2	-20.48	-20.49	41.9	40.2	-36.09	
PHL2121D	6/7/23 16:25	54.8	42.0	0.5	2.7	140.5	119.1	-19.60	-19.53	37.4	40.5	-33.77	
PHL2121D	6/12/23 16:09	54.3	41.5	0.0	4.2	145.8	145.9	3.70	3.64	46.7	46.7	-4.58	
PHL2121D	6/12/23 16:12	54.8	43.0	0.1	2.1	146.1	146.1	-0.05	-0.08	65.0	65.8	-3.86	
PHL2121D	7/17/23 13:08	55.4	44.5	0.0	0.1	138.8	138.8	-18.82	-22.29	38.3	47.3	-31.84	INCREASED FLOW/VACUUM
PHL2121D	7/18/23 15:57	53.0	41.2	0.3	5.5	139.5	139.8	-24.00	-23.99	43.3	43.4	-31.86	
PHL2121S	2/20/23 10:07	55.5	42.0	0.0	2.5	118.3	118.3	-0.21	-0.21	8.5	8.5	-34.40	NO CHANGE
PHL2121S	3/30/23 10:37	52.9	42.5	0.0	4.6	122.8	123.5	-0.48	-0.54	8.5	13.1	-34.08	INCREASED FLOW/VACUUM
PHL2121S	4/24/23 9:40	39.1	35.7	0.2	25.0	125.8	125.8	-0.93	-0.91	12.5	12.4	-35.30	
PHL2121S	4/24/23 9:41	39.8	36.9	0.0	23.3	125.8	125.8	-0.92	-0.89	12.4	12.4	-34.08	SECOND READING
PHL2121S	5/1/23 12:01	40.0	36.1	0.2	23.7	125.5	125.4	-0.78	-0.78	12.1	12.1	-35.13	
PHL2121S	6/7/23 16:23	36.1	33.4	0.8	29.7	126.4	126.4	-0.70	-0.71	10.3	10.3	-33.08	
PHL2121S	7/17/23 13:06	33.2	32.9	0.0	33.9	126.0	126.0	-0.51	-0.51	11.8	11.8	-31.22	MINIMAL VACUUM SETTING
PHL2122S	2/14/23 11:25	56.0	44.0	0.0	0.0	106.9	106.9	-1.24	-1.24	8.6	8.6	-21.45	NO CHANGE
PHL2122S	3/13/23 13:52	50.7	49.2	0.1	0.0	113.4	113.3	-1.94	-1.93	0.0	9.9	-35.38	
PHL2122S	4/24/23 10:46	56.3	43.4	0.3	0.0	76.2	76.4	-1.93	-1.92	9.9	9.2	-31.99	
PHL2122S	5/1/23 12:13	56.9	42.8	0.0	0.3	109.5	111.7	-1.59	-4.63	4.7	29.5	-33.81	INCREASED FLOW/VACUUM
PHL2122S	6/12/23 14:51	38.6	36.0	0.3	25.1	120.6	120.6	-5.27	-5.27	17.1	17.1	-32.27	
PHL2122S	7/17/23 14:11	39.7	36.3	0.0	24.0	118.3	105.3	-4.24	-2.25	14.5	16.7	-30.59	DECREASED FLOW/VACUUM
PHL2123D	2/14/23 11:14	58.8	32.2	0.1	8.9	64.8	64.9	-21.03	-21.03	1.6	1.6	-21.01	NO CHANGE
PHL2123D	3/13/23 11:28	56.4	40.9	0.5	2.2	74.1	74.2	-34.73	-34.72	0.0	0.0	-34.72	INCREASED FLOW/VACUUM
PHL2123D	4/24/23 10:33	51.2	33.5	0.7	14.6	78.9	78.9	-35.48	-35.00	2.8	1.6	-35.32	
PHL2123D	5/1/23 12:01	48.4	32.8	0.0	18.8	72.0	72.0	-34.56	-33.54	2.4	2.3	-33.65	
PHL2123D	6/12/23 14:59	31.4	30.1	0.1	38.4	93.1	93.0	-31.99	-31.97	4.4	3.7	-31.96	
PHL2123D	7/17/23 14:34	38.2	34.7	0.0	27.1	110.9	111.8	-23.72	-15.29	4.8	4.3	-27.08	DECREASED FLOW/VACUUM
PHL2123S	2/14/23 11:12	55.8	44.2	0.0	0.0	117.4	117.4	-5.68	-5.68	16.0	16.0	-20.87	NO CHANGE
PHL2123S	3/13/23 11:23	50.2	49.8	0.0	0.0	120.3	120.2	-8.92	-8.91	14.8	14.7	-34.37	
PHL2123S	4/24/23 10:30	56.5	43.5	0.0	0.0	120.6	120.6	-10.58	-10.58	20.1	20.1	-35.59	
PHL2123S	5/1/23 11:59	57.1	42.9	0.1		117.1	117.7	-10.01	-12.23	20.0	34.7	-34.10	INCREASED FLOW/VACUUM
PHL2123S	6/12/23 14:57	53.1	41.1	0.1	5.7	123.9	124.0	-16.66	-16.66	30.0	30.3	-32.96	
PHL2123S	7/17/23 14:32	52.5	43.3	0.0	4.2	123.6	123.6	-14.59	-16.09	26.3	35.3	-27.90	INCREASED FLOW/VACUUM
PHL2124D	2/14/23 11:04	58.1	41.9	0.0	0.0	129.9	129.6	-19.87	-19.88	27.7	26.4	-20.65	NO CHANGE
PHL2124D	3/13/23 11:05	52.3	47.3	0.4	0.0	135.4	135.4	-33.16	-33.14	0.0	0.0	-34.34	
PHL2124D	4/24/23 11:19	58.0	41.3	0.4	0.3	137.1	137.0	-32.37	-33.20	29.1	33.9	-34.41	
PHL2124D	4/24/23 11:19	58.0	41.3	0.4	0.3	137.1	137.0	-32.37	-33.20	29.1	33.9	-34.41	
PHL2124D	4/24/23 11:20	56.3	40.6	0.9	2.2	137.0	137.1	-32.82	-33.08	29.3	35.4	-33.91	SECOND READING
PHL2124D	5/1/23 10:56	58.3	41.7	0.0	0.0	133.1	133.3	-32.99	-32.99	32.5	30.0	-33.18	VALVE FULL OPEN
PHL2124D	5/1/23 10:57	57.7	42.2	0.0	0.1	132.9	133.0	-32.58	-32.16	28.5	29.5	-34.22	VALVE FULL OPEN
PHL2124D	6/12/23 15:50	56.3	40.2	0.1	3.4	136.9	137.0	-32.14	-32.12	29.9	30.0	-32.10	
PHL2124D	6/12/23 15:51	56.7	41.5	0.0	1.8	137.0	137.1	-48.47	-32.20		30.2	-32.18	SECOND READING
PHL2124D	7/17/23 15:16	57.1	41.9	0.0	1.0	135.0	135.0	-26.13	-26.13	27.6	28.8	-27.23	VALVE FULL OPEN
PHL2124D	7/17/23 15:17	57.2	42.5	0.0	0.3	135.0	135.0	-26.18	-26.18	27.4	28.7	-27.26	VALVE FULL OPEN
PHL2124S	2/14/23 11:00	56.2	43.8	0.0	0.0	116.0	116.0	-0.20	-0.19	4.0	5.9	-21.03	NO CHANGE
PHL2124S	3/13/23 11:03	50.8	49.2	0.0	0.0	118.2	118.6	-1.01	-1.01	6.4	5.0	-34.90	
PHL2124S	4/24/23 11:23	56.4	43.5	0.1	0.0	122.1	122.0	-1.14	-1.11	8.8	8.8	-34.78	
PHL2124S	5/1/23 10:54	57.7	42.3	0.0	0.0	118.3	120.8	-1.05	-2.49	8.4	16.0	-33.74	INCREASED FLOW/VACUUM
PHL2124S	6/12/23 15:48	50.2	39.5	0.0	10.3	124.1	124.2	-3.65	-3.57	14.7	14.6	-33.63	
PHL2124S	7/17/23 15:15	48.3	39.2	0.0	12.5	123.5	123.5	-3.25	-3.25	13.3	13.3	-27.51	
PHLF200S	2/6/23 9:50	45.2	40.0	0.1	14.7	120.4	120.4	-21.84	-21.82	22.9	23.0	-34.97	

Potrero Hills Landfill - Well Data - 02/01/2023 to 07/31/2023

Point Name	Record Date	CH4 [%]	CO2 [%]	O2 [%]	Bal Gas [%]	Init Temp [°F]	Adj Temp [°F]	Init Stat Press ["H2O]	Adj Stat Press ["H2O]	Init Flow [scfm]	Adj Flow [scfm]	Sys Pressure ["H2O]	Comments
PHLF2005	3/30/23 9:36	48.9	40.0	0.0	11.1	115.9	116.4	-21.52	-21.54	22.0	22.0	-33.73	
PHLF2005	4/5/23 12:42	49.7	39.5	0.0	10.8	118.4	118.5	-21.30	-21.31	22.5	22.4	-32.57	
PHLF2005	5/15/23 13:19	51.4	38.8	0.0	9.8	120.9	121.3	-18.63	-20.66	22.5	30.4	-33.39	
PHLF2005	6/19/23 10:39	46.3	37.7	0.0	16.0	119.2	119.9	-20.79	-20.85	21.2	21.2	-34.30	
PHLF2005	7/17/23 11:56	47.3	38.4	0.0	14.3	123.8	123.8	-20.68	-20.69	11.8	11.8	-30.56	NO CHANGE
PHLF2006	2/6/23 9:43	57.9	40.7	0.6	0.8	102.2	102.2	-34.58	-34.60	11.7	11.9	-34.50	VALVE FULL OPEN
PHLF2006	3/30/23 8:52	60.2	39.8	0.0	0.0	99.3	99.5	-33.02	-33.44	10.1	9.8	-33.45	VALVE FULL OPEN
PHLF2006	4/5/23 12:37	58.9	40.1	0.5	0.5	101.7	101.7	-32.61	-32.63	11.6	11.5	-32.71	VALVE FULL OPEN
PHLF2006	5/15/23 13:11	59.3	39.4	0.5	0.8	99.9	99.9	-32.95	-32.93	10.4	10.4	-32.92	VALVE FULL OPEN
PHLF2006	6/19/23 10:32	57.6	39.6	0.5	2.3	97.1	97.1	-34.01	-33.98	10.5	10.5	-33.31	VALVE FULL OPEN
PHLF2006	7/17/23 11:42	55.8	38.1	0.6	5.5	100.7	100.7	-33.23	-33.18	10.4	10.4	-33.27	NO CHANGE,VALVE FULL OPEN
PHLF2103	2/14/23 12:43	55.6	44.4	0.0	0.0	115.6	115.7	-10.66	-0.73	26.2	34.3	-22.85	
PHLF2103	3/13/23 12:09	56.3	43.7	0.0	0.0	112.6	112.7	-24.96	-23.33	21.7	33.3	-35.60	
PHLF2103	4/17/23 11:16	58.3	41.7	0.0	0.0	107.9	108.0	-25.38	-28.51	40.7	49.8	-36.39	INCREASED FLOW/VACUUM
PHLF2103	5/15/23 10:28	54.1	42.8	0.0	3.1	114.4	114.4	-31.15	-31.54	41.2	40.9	-33.76	VALVE FULL OPEN
PHLF2103	6/7/23 12:42	53.7	40.9	0.0	5.4	118.3	118.3	-20.97	-13.07			-33.33	VALVE FULL OPEN
PHLF2103	7/18/23 14:19	57.9	41.3	0.8	0.0	105.5	105.5	-30.55	-30.57	12.1	9.9	-30.59	
PHLF2106	2/14/23 12:41	52.5	47.5	0.0	0.0	120.1	120.1	-1.09	-1.09	17.1	17.0	-20.39	
PHLF2106	3/13/23 12:07	53.8	46.2	0.0	0.0	121.7	121.9	-2.28	-2.80	20.9	28.5	-33.58	INCREASED FLOW/VACUUM
PHLF2106	4/17/23 11:14	54.4	45.6	0.0	0.0	121.8	122.7	-3.79	-5.54	27.8	16.6	-34.87	INCREASED FLOW/VACUUM
PHLF2106	5/15/23 10:30	45.6	42.1	0.0	12.3	124.9	124.9	-6.40	-6.39	36.3	37.0	-34.29	
PHLF2106	6/7/23 12:44	43.9	39.6	0.0	16.5	124.9	124.9	-6.11	-6.11	36.0	36.0	-33.06	
PHLF2106	7/18/23 14:25	38.2	36.1	0.4	25.3	125.2	125.3	-3.28	-3.27	0.0	0.0	-31.06	
PHLF2107	2/14/23 12:46	51.6	45.3	1.1	2.0	57.0	57.1	-0.18	-0.18	4.6	4.6	-20.08	
PHLF2107	3/13/23 12:13	52.4	47.6	0.0	0.0	61.3	61.1	-1.69	-3.08	5.7	16.8	-33.79	INCREASED FLOW/VACUUM
PHLF2107	4/17/23 11:22	42.0	35.8	4.5	17.7	75.5	75.6	-3.91	-3.91	11.1	11.1	-34.41	
PHLF2107	5/15/23 10:26	42.4	36.7	3.6	17.3	87.3	87.4	-3.03	-3.04	7.9	8.0	-34.38	
PHLF2107	6/7/23 12:40	43.0	36.8	4.0	16.2	92.3	92.3	-2.07	-2.06	6.2	6.7	-33.27	
PHLF2107	7/18/23 14:21	49.8	42.3	1.3	6.6	104.9	105.1	-0.57	-0.60	10.1	10.1	-30.91	
PHLF2108	2/14/23 12:45	50.6	49.4	0.0	0.0	57.4	57.3	-0.43	-0.45	13.5	13.5	-20.59	
PHLF2108	3/13/23 12:11	51.3	48.7	0.0	0.0	64.9	64.7	-1.87	-2.01	10.6	15.6	-33.49	INCREASED FLOW/VACUUM
PHLF2108	4/17/23 11:19	54.4	44.1	0.0	1.5	76.3	76.0	-3.07	-4.26	14.7	12.0	-34.25	INCREASED FLOW/VACUUM
PHLF2108	5/15/23 10:24	54.1	44.3	0.0	1.6	97.1	97.1	-5.43	-6.51	21.4	30.9	-35.48	INCREASED FLOW/VACUUM
PHLF2108	6/7/23 12:39	51.3	42.8	0.0	5.9	109.3	109.5	-7.70	-8.33	29.8	38.6	-33.69	INCREASED FLOW/VACUUM
PHLF2108	7/18/23 14:23	44.2	38.9	0.3	16.6	121.7	121.7	-8.99	-8.99	37.3	37.5	-31.94	
PHLF2109	2/6/23 12:57	46.9	45.6	0.0	7.5	92.2	92.2	-6.82	-6.82	43.2	41.9	-35.88	
PHLF2109	3/7/23 12:20	50.4	43.1	0.0	6.5	88.0	88.1	-6.22	-6.22	39.8	39.7	-34.25	
PHLF2109	4/17/23 10:41	52.4	42.6	0.0	5.0	86.7	87.6	-5.14	-6.78	33.4	52.0	-34.91	INCREASED FLOW/VACUUM
PHLF2109	5/15/23 11:45	44.2	40.5	0.0	15.3	112.2	112.2	-8.02	-8.02	48.0	48.0	-34.50	
PHLF2109	6/7/23 11:45	45.6	40.4	0.0	14.0	110.1	110.2	-6.91	-6.91	43.8	43.8	-34.99	
PHLF2109	7/17/23 13:51	44.2	39.7	0.0	16.1	122.6	122.6	-6.68	-6.67	44.1	44.1	-30.04	NO CHANGE
PHLF2112	2/6/23 13:03	48.5	48.5	0.0	3.0	106.0	106.0	-15.12	-15.12			-39.92	
PHLF2112	3/7/23 12:28	50.6	47.7	0.0	1.7	104.5	104.5	-15.02	-15.42			-38.09	INCREASED FLOW/VACUUM
PHLF2112	4/17/23 10:49	51.1	47.2	0.1	1.6	108.5	108.5	-16.11	-16.65			-38.60	
PHLF2112	5/15/23 11:53	48.6	45.6	0.0	5.8	116.4	116.5	-16.76	-17.85			-34.85	
PHLF2112	6/7/23 11:39	48.6	44.4	0.0	7.0	117.1	117.1	-18.24	-18.22			-34.81	
PHLF2112	7/17/23 13:57	45.2	43.6	0.0	11.2	124.5	124.5	-17.74	-17.81			-34.66	NO CHANGE,VALVE FULL OPEN
PHLF2113	2/6/23 13:01	43.2	41.9	0.2	14.7	101.6	101.7	-9.83	-9.83	90.5	90.5	-39.67	
PHLF2113	3/7/23 12:26	45.5	40.6	0.4	13.5	100.5	100.5	-9.54	-9.55	89.3	90.1	-39.79	
PHLF2113	4/17/23 10:47	44.9	39.7	0.4	15.0	103.0	103.1	-9.73	-9.73	91.5	91.5	-40.40	
PHLF2113	5/15/23 11:51	38.5	36.4	0.1	25.0	111.1	111.2	-9.79	-9.79	89.6	89.1	-39.37	
PHLF2113	6/7/23 11:41	36.3	34.8	0.2	28.7	110.5	110.6	-9.65	-9.65	88.1	89.0	-39.31	
PHLF2113	7/17/23 14:00	31.0	32.4	0.0	36.6	118.7	118.7	-9.52	-9.51	85.8	85.8	-38.71	NO CHANGE
PHLF2201	2/20/23 12:41	44.7	34.5	0.0	20.8	83.3	83.3	-12.72	-12.68	25.2	26.0	-36.75	NO CHANGE
PHLF2201	3/29/23 10:37	52.8	37.0	0.0	10.2	80.6	80.6	-11.66	-11.65	28.4	28.4	-38.33	NO CHANGE
PHLF2201	4/10/23 10:29	49.7	36.3	0.1	13.9	85.6	85.6	-12.34	-12.28	28.0	28.0	-39.04	
PHLF2201	5/8/23 10:20	49.9	36.2	0.1	13.8	85.3	85.4	-10.52	-10.53	28.5	28.5	-38.95	
PHLF2201	6/19/23 15:53	44.2	33.1	0.5	22.2	88.4	88.4	-10.31	-10.29	28.8	28.6	-38.47	
PHLF2201	7/18/23 13:09	40.6	32.7	0.3	26.4	90.3	90.3	-7.27	-7.26	22.8	22.8	-35.23	
PHLF2202	2/14/23 10:30	57.1	41.8	0.0	1.1	102.9	103.0	-1.75	-1.75	10.0	10.0	-21.75	NO CHANGE
PHLF2202	3/13/23 10:42	57.6	42.3	0.0	0.1	109.9	110.2	-3.31	-3.86	14.0	20.1	-34.96	INCREASED FLOW/VACUUM
PHLF2202	4/17/23 12:10	57.1	40.5	0.4	2.0	116.9	117.7	-4.66	-5.60	19.1	11.3	-36.39	INCREASED FLOW/VACUUM
PHLF2202	5/15/23 9:48	47.6	38.1	0.1	14.2	122.5	122.6	-7.71	-7.10	45.0	33.7	-34.69	DECREASED FLOW/VACUUM
PHLF2202	6/7/23 13:10	48.8	37.1	0.1	14.0	123.1	123.2	-5.51	-5.51	33.5	33.5	-34.15	
PHLF2202	7/18/23 15:38	43.2	35.2	0.3	21.3	126.6	126.8	-4.51	-4.50	33.3	33.3	-33.06	
PHLF2205	2/6/23 13:32	51.1	48.9	0.0	0.0	116.3	117.7	-2.29	-2.48	3.5	6.7	-34.89	INCREASED FLOW/VACUUM
PHLF2205	3/7/23 12:53	54.6	45.4	0.0	0.0	118.3	120.6	-2.81	-3.58	4.7	10.4	-33.55	INCREASED FLOW/VACUUM
PHLF2205	4/17/23 10:38	53.1	43.5	0.9	2.5	122.2	124.6	-6.65	-9.21	6.1	18.8	-34.42	INCREASED FLOW/VACUUM
PHLF2205	5/15/23 11:29	51.0	42.1	0.9	6.0	127.7	127.7	-12.34	-12.34	12.6	12.6	-33.47	
PHLF2205	6/7/23 12:09	52.3	42.0	1.1	4.6	125.4	126.8	-8.92	-10.91	10.1	20.9	-32.60	INCREASED FLOW/VACUUM
PHLF2205	7/17/23 14:38	50.6	41.2	0.7	7.5	131.7	131.7	-10.71	-10.71	12.1	12.1	-29.03	NO CHANGE
PHLF2205	7/17/23 14:41	50.2	40.9	0.6	8.3	131.7	131.8	-10.71	-10.70	12.1	12.1	-29.17	NO CHANGE,SECOND READING
PHLF2206	2/6/23 12:55	44.6	47.3	0.0	8.1	68.0	68.0	-3.65	-3.66	11.7	11.7	-34.76	
PHLF2206	3/7/23 12:24	47.1	43.2	0.0	9.7	64.5	64.6	-4.01	-4.00	13.8	13.8	-33.86	
PHLF2206	4/17/23 10:43	45.3	41.7	0.0	13.0	66.9	66.9	-3.98	-3.98	12.0	12.0	-33.73	
PHLF2206	5/15/23 11:47	43.2	41.3	0.0	15.5	83.3	83.3	-3.89	-3.89	10.0	10.0	-33.56	
PHLF2206	6/7/23 11:47	45.3	43.9	0.0	10.8	81.3	81.4	-3.48	-3.49	12.7	11.8	-33.04	
PHLF2206	7/17/23 14:03	45.0	43.6	0.0	11.4	100.0	100.1	-2.40	-2.40	7.2	7.2	-31.64	NO CHANGE,MINIMAL VACUUM SETTING

Potrero Hills Landfill - Well Data - 02/01/2023 to 07/31/2023

Point Name	Record Date	CH4 [%]	CO2 [%]	O2 [%]	Bal Gas [%]	Init Temp [°F]	Adj Temp [°F]	Init Stat Press ["H2O]	Adj Stat Press ["H2O]	Init Flow [scfm]	Adj Flow [scfm]	Sys Pressure ["H2O]	Comments
PHLF2207	2/6/23 12:39	43.7	56.3	0.0	0.0	92.8	93.0	-0.65	-0.62	8.8	8.8	-31.82	
PHLF2207	3/7/23 12:04	53.0	45.3	0.0	1.7	119.4	122.8	-0.55	-0.85	5.5	13.2	-28.82	INCREASED FLOW/VACUUM
PHLF2207	4/5/23 13:03	51.4	45.2	0.0	3.4	126.2	126.7	-1.77	-1.87	12.7	16.2	-32.65	INCREASED FLOW/VACUUM
PHLF2207	5/15/23 11:57	47.8	41.9	0.0	10.3	127.5	127.6	-2.47	-2.47	15.5	15.5	-29.18	
PHLF2207	6/7/23 11:36	48.2	41.5	0.0	10.3	127.8	127.8	-2.20	-2.20	14.9	15.6	-32.60	
PHLF2207	7/17/23 13:12	45.2	40.4	0.0	14.4	131.6	131.7	-2.27	-2.23	15.0	14.9	-28.89	NO CHANGE,MINIMAL VACUUM SETTING
PHLF2207	7/17/23 13:14	45.6	40.9	0.0	13.5	131.7	131.6	-2.15	-2.16	16.1	15.8	-28.36	SECOND READING
PHLF2208	2/6/23 12:09	53.7	46.3	0.0	0.0	121.6	122.4	-1.13	-1.29	9.9	12.9	-34.88	INCREASED FLOW/VACUUM
PHLF2208	3/7/23 11:45	56.8	41.4	0.0	1.8	122.9	124.4	-2.08	-2.04	12.0	16.3	-34.08	INCREASED FLOW/VACUUM
PHLF2208	4/5/23 12:25	50.2	40.2	0.0	9.6	126.3	126.4	-3.52	-3.51	16.0	16.0	-33.16	
PHLF2208	5/15/23 12:29	50.1	39.2	0.0	10.7	126.8	126.8	-3.62	-3.62	15.6	15.6	-33.39	
PHLF2208	6/7/23 11:25	52.3	39.8	0.0	7.9	126.7	126.4	-3.44	-4.39	15.0	23.2	-32.37	INCREASED FLOW/VACUUM
PHLF2208	7/17/23 12:37	44.6	36.1	0.0	19.3	129.6	129.6	-5.82	-5.80	22.1	22.1	-32.98	NO CHANGE
PHLF2209	2/6/23 13:25	50.4	48.9	0.0	0.7	146.4	146.5	-0.53	-0.52	18.5	18.5	-33.92	
PHLF2209	2/6/23 13:26	49.5	49.9	0.0	0.6	146.6	146.5	-0.55	-0.44	18.3	14.8	-34.39	
PHLF2209	2/14/23 11:34	51.4	48.3	0.0	0.3	146.2	146.3	-0.15	-0.16	31.4	30.9	-20.74	
PHLF2209	2/20/23 10:47	50.1	47.4	0.0	2.5	147.6	147.7	-0.45	-0.45	15.0	15.0	-34.19	
PHLF2209	3/1/23 11:30	50.5	46.4	0.0	3.1	142.8	143.0	-0.56	-0.56	13.7	13.7	-34.07	NO CHANGE
PHLF2209	3/1/23 11:31	50.7	46.5	0.0	2.8	142.4	142.5	-0.69	-0.69	13.7	13.7	-34.35	SECOND READING
PHLF2209	3/7/23 10:29	51.6	47.2	0.0	1.2	145.2	145.3	-0.34	-0.33	13.9	13.3	-32.57	
PHLF2209	3/13/23 10:28	50.1	47.6	0.0	2.3	145.3	145.4	-0.51	-0.50	12.0	12.8	-34.12	
PHLF2209	3/22/23 10:13	52.2	44.2	0.0	3.6	141.5	141.5	-1.26	-1.26	13.1	13.1	-34.47	CONCERN FOR POTENTIAL SSO
PHLF2209	3/22/23 10:16	52.3	44.3	0.0	3.4	141.7	141.8	-1.20	-1.20	13.1	13.1	-34.43	SECOND READING
PHLF2209	3/29/23 9:45	51.8	48.2	0.0	0.0	146.5	146.9	-0.12	-0.28	17.0	23.2	-34.03	INCREASED FLOW/VACUUM
PHLF2209	4/5/23 11:03	49.9	46.0	0.0	4.1	145.5	145.6	-1.28	-1.29	22.8	22.8	-33.34	
PHLF2209	4/10/23 12:18	48.9	43.5	0.0	7.6	142.8	142.7	-1.10	-1.10	23.1	23.1	-34.06	CONCERN FOR POTENTIAL SSO
PHLF2209	4/10/23 12:21	44.7	50.9	0.0	4.4	142.2	142.3	-1.09	-1.07	22.4	22.4	-33.72	SECOND READING
PHLF2209	4/17/23 10:29	49.0	44.9	0.0	6.1	144.6	144.7	-1.11	-1.11	23.0	23.0	-34.59	
PHLF2209	4/24/23 11:58	48.5	44.4	0.0	7.1	145.5	145.6	-1.34	-1.31	22.4	18.9	-32.65	
PHLF2209	5/1/23 10:43	50.5	46.6	0.0	2.9	146.1	146.1	-0.71	-0.71	18.9	19.0	-33.31	
PHLF2209	5/8/23 9:57	51.4	46.1	0.0	2.5	145.6	145.7	-0.76	-0.75	17.6	18.0	-32.89	
PHLF2209	5/15/23 11:11	49.8	45.4	0.0	4.8	146.3	146.4	-1.02	-1.01	18.1	18.1	-33.54	
PHLF2209	5/22/23 11:36	51.1	46.8	0.0	2.1	147.0	147.1	-0.48	-0.48	18.1	18.1	-33.64	
PHLF2209	6/1/23 11:08	51.6	45.9	0.1	2.4	149.3	149.3	-0.46	-0.46	18.0	18.0	-33.64	
PHLF2209	6/1/23 11:08	51.6	45.9	0.1	2.4	149.3	149.3	-0.46	-0.46	18.0	18.0	-33.64	
PHLF2209	6/7/23 10:37	51.8	45.7	0.0	2.5	146.3	146.5	-0.68	-0.69	17.4	17.4	-33.22	
PHLF2209	6/12/23 16:00	44.8	42.0	0.0	13.2	148.6	148.7	-0.96	-0.93	23.2	23.3	-33.67	
PHLF2209	6/19/23 11:46	45.6	43.3	0.0	11.1	144.3	144.5	-1.46	-1.33	23.0	14.9	-33.47	
PHLF2209	7/10/23 13:21	50.8	47.8	0.1	1.3	148.0	148.0	-0.33	-0.33	14.6	14.6	-32.09	
PHLF2209	7/17/23 10:35	51.0	47.0	0.0	2.0	149.5	149.7	-0.37	-0.35	15.1	15.0	-33.31	NO CHANGE
PHLF2209	7/17/23 10:36	51.0	47.1	0.0	1.9	149.8	149.7	-0.31	-0.32	15.0	15.1	-33.27	SECOND READING
PHLF2210	2/6/23 11:57	52.4	46.2	0.4	1.0	65.7	65.8	-3.28	-3.70	8.1	13.6	-34.42	INCREASED FLOW/VACUUM
PHLF2210	3/7/23 11:27	53.7	46.1	0.0	0.2	58.3	58.2	-15.52	-20.15	5.5	5.9	-33.66	
PHLF2210	4/5/23 11:50	52.9	47.1	0.0	0.0	72.1	72.5	-1.81	-2.34	4.8	15.0	-33.24	INCREASED FLOW/VACUUM
PHLF2210	5/15/23 12:37	54.1	45.4	0.0	0.5	86.3	86.3	-3.89	-3.34	8.0	8.1	-32.92	
PHLF2210	6/7/23 11:01	53.1	45.0	0.3	1.6	79.2	79.2	-0.70	-1.72	6.5	10.6	-32.49	INCREASED FLOW/VACUUM
PHLF2210	7/17/23 10:48	43.6	40.2	1.0	15.2	96.8	96.8	-1.89	-1.89	11.0	11.0	-33.53	NO CHANGE
PHLF2211	5/8/23 9:39	57.9	42.1	0.0	0.0	116.5	116.6	-0.15	-0.15	20.1	20.1	-29.92	
PHLF2211	5/8/23 9:41	57.5	42.5	0.0	0.0	119.8	119.9	-0.13	-0.13	18.6	18.6	-30.01	
PHLF2211	5/15/23 11:02	57.4	42.6	0.0	0.0	135.0	136.1	-0.32	-0.60	15.7	27.0	-28.50	INCREASED FLOW/VACUUM
PHLF2211	5/15/23 11:03	56.4	43.6	0.0	0.0	136.3	136.3	-0.91	-0.90	26.7	27.4	-28.22	
PHLF2211	5/22/23 10:55	56.6	43.4	0.0	0.0	137.1	137.4	-0.92	-1.25	26.3	35.2	-28.95	INCREASED FLOW/VACUUM
PHLF2211	6/19/23 11:23	55.9	42.9	0.0	1.2	136.6	136.6	-1.80	-1.81	35.8	35.8	-29.49	
PHLF2211	6/19/23 11:24	55.8	43.7	0.0	0.5	136.6	136.8	-1.79	-1.79	14.8	14.9	-29.59	
PHLF2211	7/10/23 14:15	54.7	43.6	0.0	1.7	137.2	137.3	-1.69	-2.65	14.1	24.6	-25.71	INCREASED FLOW/VACUUM
PHLLMW01	2/14/23 12:34	27.5	26.3	10.9	35.3	56.8	56.8	-17.35	-18.61	0.5	0.5	-18.94	MINIMAL VACUUM SETTING
PHLLMW01	3/13/23 12:16	28.6	27.1	8.7	35.6	72.1	72.3	-28.62	-27.50	0.0	1.0	-29.15	MINIMAL VACUUM SETTING
PHLLMW01	3/29/23 11:50	0.2	1.3	20.1	78.4	48.8	48.7	-37.70	-37.69			-37.69	NO CHANGE
PHLLMW01	3/29/23 11:51	0.1	0.7	20.3	78.9	48.2	48.2	-37.68	-37.68			-37.68	SECOND READING
PHLLMW01	4/17/23 11:03	24.3	22.1	10.9	42.7	56.7	56.7	-24.80	-25.53	0.7	0.7	-25.34	MINIMAL VACUUM SETTING
PHLLMW01	5/15/23 10:37	21.6	18.1	11.4	48.9	75.9	76.1	-24.88	-24.48	0.7	1.0	-26.11	MINIMAL VACUUM SETTING
PHLLMW01	6/7/23 12:30	31.7	26.3	8.6	33.4	72.0	72.1	-25.34	-27.56	0.5	0.5	-28.50	MINIMAL VACUUM SETTING
PHLLMW01	7/25/23 8:28	29.4	25.5	8.5	36.6	75.5	75.4	-28.68	-27.87	0.0	0.0	-27.87	
PHLLMW01	7/25/23 8:29	26.7	24.4	8.8	40.1	75.1	75.0	-28.92	-27.59	0.5	0.0	-27.59	MINIMAL VACUUM SETTING,SECOND READING
PHLLMW02	2/6/23 11:36	57.6	41.8	0.0	0.6	67.8	66.9	0.03	-0.78	13.2	3.7	-36.71	INCREASED FLOW/VACUUM
PHLLMW02	3/13/23 10:52	45.0	42.1	2.7	10.2	68.6	68.8	-0.21	-0.22	0.0	0.0	-36.96	
PHLLMW02	4/24/23 12:24	50.1	39.2	1.9	8.8	95.0	95.1	-2.94	-2.91	5.1	5.1	-37.19	
PHLLMW02	5/1/23 11:12	44.3	38.0	1.0	16.7	104.2	104.2	-3.15	-3.15	5.6	5.5	-36.61	
PHLLMW02	6/19/23 10:37	23.6	26.5	2.9	47.0	104.5	104.7	-1.51	-1.52	3.2	3.4	-33.94	
PHLLMW02	7/25/23 8:12	17.1	15.3	11.4	56.2	80.8	80.5	-0.59	-0.57	0.0	0.0	-35.55	
PHLLMW02	7/25/23 8:13	17.2	16.0	11.5	55.3	78.9	78.9	-0.53	-0.51	0.0	0.0	-35.65	MINIMAL VACUUM SETTING,SECOND READING
PHZ2005B	2/14/23 8:51	57.5	42.5	0.0	0.0	48.3	48.3	-22.94	-22.23	2.4	2.5	-23.19	
PHZ2005B	3/29/23 13:13	58.3	41.7	0.0	0.0	49.4	49.4	-33.32	-33.29	2.2	2.2	-32.94	
PHZ2005B	4/17/23 12:45	57.4	42.6	0.0	0.0	63.5	63.5	-26.98	-27.55	1.9	1.9	-27.50	
PHZ2005B	5/8/23 11:03	57.8	42.2	0.0	0.0	72.3	72.5	-34.28	-34.37	2.4	3.2	-34.36	
PHZ2005B	6/19/23 12:41	57.1	41.1	0.0	1.8	108.2	108.4	-34.97	-34.96	3.5	5.3	-34.96	
PHZ2005B	7/18/23 15:08	57.5	41.0	0.8	0.7	103.9	104.1	-28.90	-29.97	1.9	2.8	-27.00	

Potrero Hills Landfill - Well Data - 02/01/2023 to 07/31/2023

Point Name	Record Date	CH4 [%]	CO2 [%]	O2 [%]	Bal Gas [%]	Init Temp [°F]	Adj Temp [°F]	Init Stat Press ["H2O]	Adj Stat Press ["H2O]	Init Flow [scfm]	Adj Flow [scfm]	Sys Pressure ["H2O]	Comments
PHZ2005B	7/18/23 15:08	57.5	41.0	0.8	0.7	103.9	104.1	-28.90	-29.97	1.9	2.8	-27.00	
PHLSGW01	2/20/23 11:39	0.5	3.3	19.1	77.1	67.1	67.0	-38.11	-38.08			-37.55	MINIMAL VACUUM SETTING
PHLSGW01	3/30/23 12:51	0.3	1.9	20.2	77.6	59.5	59.5	-37.54	-37.55			-37.53	MINIMAL VACUUM SETTING
PHLSGW01	4/24/23 9:10	0.0	0.2	20.1	79.7	59.8	59.8	-38.76	-38.76			-38.77	MINIMAL VACUUM SETTING
PHLSGW01	4/24/23 9:11	0.0	0.1	20.2	79.7	60.3	60.4	-38.97	-38.95			-38.93	MINIMAL VACUUM SETTING
PHLSGW01	5/8/23 9:09	0.3	1.0	21.6	77.1	67.0	67.0	-39.14	-38.67	0.0	0.0	-38.55	
PHLSGW01	5/8/23 9:10	0.4	1.0	21.7	76.9	67.0	67.0	-38.86	-38.84			-38.83	SECOND READING
PHLSGW01	6/19/23 12:55	0.1	0.6	19.9	79.4	72.4	72.6	-39.35	-39.36			-39.36	MINIMAL VACUUM SETTING
PHLSGW01	7/10/23 12:15	0.2	2.4	19.3	78.1	79.1	79.3	-37.24	-37.22			-37.22	MINIMAL VACUUM SETTING
PHLSGW02	2/20/23 11:50	34.6	27.5	4.8	33.1	71.2	71.1	-36.61	-36.60	0.4	0.4	-36.60	MINIMAL VACUUM SETTING
PHLSGW02	3/29/23 11:54	43.0	29.9	4.0	23.1	47.8	47.8	-36.12	-36.13	0.3	0.3	-36.15	NO CHANGE
PHLSGW02	4/10/23 9:35	50.8	34.5	1.7	13.0	77.9	77.9	-37.10	-37.10	0.4	0.4	-37.43	
PHLSGW02	5/8/23 9:14	36.5	26.6	6.7	30.2	55.0	55.0	-37.35	-37.34	0.0	0.0	-37.32	
PHLSGW02	5/8/23 9:15	34.6	25.9	6.8	32.7	55.0	55.0	-37.67	-37.64	0.0	0.0	-36.57	SECOND READING
PHLSGW02	6/19/23 12:59	32.2	25.0	4.9	37.9	72.9	72.9	-37.06	-37.44	0.0	0.0	-37.44	MINIMAL VACUUM SETTING
PHLSGW02	7/10/23 12:19	25.8	22.0	6.3	45.9	80.2	80.2	-34.72	-34.69	0.4	0.4	-34.70	MINIMAL VACUUM SETTING
PHLSGW02	7/10/23 12:20	25.6	22.0	6.2	46.2	81.1	81.2	-34.92	-34.96	0.3	0.2	-34.97	MINIMAL VACUUM SETTING
PHLSGW04	2/20/23 11:53	37.2	29.7	3.0	30.1	82.8	82.8	-34.46	-34.46	0.8	0.8	-34.46	MINIMAL VACUUM SETTING
PHLSGW04	3/29/23 12:03	52.2	34.1	1.5	12.2	49.3	49.3	-34.06	-34.06	0.6	0.6	-37.18	NO CHANGE
PHLSGW04	4/24/23 9:17	43.8	31.1	3.7	21.4	59.1	59.1	-35.46	-35.45	1.3	1.4	-37.90	MINIMAL VACUUM SETTING
PHLSGW04	5/15/23 9:57	9.9	11.5	11.3	67.3	74.5	74.5	-35.23	-34.83	2.2	2.3	-34.85	
PHLSGW04	5/15/23 9:59	9.6	12.2	10.1	68.1	74.6	74.6	-33.78	-33.83	2.4	2.4	-34.23	SECOND READING
PHLSGW04	6/19/23 13:04	0.2	1.0	19.7	79.1	96.4	96.8	-35.20	-35.18	1.3	1.3	-35.17	MINIMAL VACUUM SETTING
PHLSGW04	6/19/23 13:04	0.1	0.7	19.8	79.4	98.8	98.8	-35.39	-35.39	1.4	1.4	-35.38	MINIMAL VACUUM SETTING
PHLSGW04	7/10/23 12:24	0.2	2.4	18.6	78.8	99.7	100.1	-33.51	-33.53	1.4	1.4	-35.21	MINIMAL VACUUM SETTING
PHLSGW04	7/10/23 12:24	0.0	1.0	19.0	80.0	101.1	101.1	-33.93	-33.91	1.4	1.4	-33.91	MINIMAL VACUUM SETTING
PHLSGW05	2/20/23 11:59	49.4	37.1	0.0	13.5	75.0	75.1	-8.78	-8.78	10.0	10.0	-37.31	
PHLSGW05	3/29/23 12:08	56.6	38.2	0.0	5.2	52.7	52.7	-9.98	-9.98	10.5	10.5	-36.51	NO CHANGE
PHLSGW05	4/24/23 9:23	49.9	35.9	0.0	14.2	62.6	62.6	-10.50	-10.52	8.9	10.8	-38.37	
PHLSGW05	5/15/23 10:03	35.8	30.3	0.7	33.2	76.5	76.5	-9.91	-9.36	8.3	9.5	-38.65	
PHLSGW05	5/15/23 10:03	35.8	30.3	0.7	33.2	76.5	76.5	-9.91	-9.36	8.3	9.5	-38.65	
PHLSGW05	6/19/23 13:10	14.3	22.6	0.1	63.0	101.7	105.7	-6.68	-5.19	6.7	6.2	-37.86	DECREASED FLOW/VACUUM,MINIMAL VACUUM SETTING
PHLSGW05	7/10/23 12:29	18.3	23.4	0.0	58.3	109.2	109.8	-2.86	-2.85	4.0	4.0	-35.62	MINIMAL VACUUM SETTING
PHLFTC01	2/20/23 12:15	4.4	29.6	4.1	61.9	74.9	74.9	-0.70	-0.71	4.4	4.4	-33.65	MINIMAL VACUUM SETTING
PHLFTC01	3/30/23 12:18	15.1	32.4	2.1	50.4	62.6	62.6	-0.88	-0.88	4.8	4.8	-33.78	NO CHANGE
PHLFTC01	4/24/23 9:41	24.1	37.1	0.9	37.9	74.5	74.5	-1.21	-1.21	4.7	4.7	-33.88	MINIMAL VACUUM SETTING
PHLFTC01	5/15/23 11:26	28.8	38.0	1.0	32.2	79.4	79.4	-1.53	-1.52	4.6	4.5	-32.41	
PHLFTC01	6/19/23 13:35	32.7	36.1	1.0	30.2	79.1	79.1	-1.37	-1.37	5.4	5.4	-34.35	
PHLFTC01	7/10/23 12:45	23.8	30.1	1.8	44.3	82.2	82.3	-1.29	-1.29	5.1	5.1	-29.36	MINIMAL VACUUM SETTING
PHLFTC02	2/20/23 12:19	3.6	29.0	4.2	63.2	82.6	82.7	-17.74	-16.53	4.9	4.7	-34.29	MINIMAL VACUUM SETTING
PHLFTC02	3/30/23 12:25	13.9	31.1	2.4	52.6	64.7	64.7	-31.70	-31.12	0.8	0.8	-32.10	NO CHANGE
PHLFTC02	4/24/23 9:44	25.0	37.4	1.0	36.6	72.4	72.4	-17.63	-18.52	4.2	4.3	-34.38	MINIMAL VACUUM SETTING
PHLFTC02	5/15/23 11:32	27.0	35.3	1.8	35.9	88.7	88.8	-14.22	-15.11	4.5	4.5	-31.81	
PHLFTC02	6/19/23 13:38	32.3	35.8	1.1	30.8	91.4	91.5	-12.05	-12.06	4.0	4.0	-32.94	MINIMAL VACUUM SETTING
PHLFTC02	7/10/23 12:49	24.3	31.4	1.6	42.7	100.3	100.3	-15.50	-15.48	3.6	4.2	-27.99	MINIMAL VACUUM SETTING
PHLFTC03	2/20/23 12:26	1.5	11.2	15.9	71.4	77.7	77.7	-33.84	-33.87	0.8	0.8	-33.77	MINIMAL VACUUM SETTING
PHLFTC03	3/30/23 12:31	3.9	25.3	10.8	60.0	66.9	66.9	-33.14	-33.14	0.4	0.4	-33.15	NO CHANGE
PHLFTC03	3/30/23 12:33	3.9	25.4	10.6	60.1	66.3	66.3	-33.08	-33.07	0.4	0.4	-33.07	SECOND READING
PHLFTC03	4/24/23 9:52	1.1	8.0	17.3	73.6	68.1	68.2	-32.93	-32.94	0.4	0.4	-32.79	MINIMAL VACUUM SETTING
PHLFTC03	5/15/23 11:36	0.9	7.8	17.1	74.2	83.3	83.2	-29.01	-28.41	0.0	0.0	-27.88	
PHLFTC03	5/15/23 11:37	0.5	6.1	18.4	75.0	82.6	82.5	-23.92	-23.89	0.0	0.0	-32.35	SECOND READING
PHLFTC03	6/19/23 13:45	1.3	10.6	15.2	72.9	82.1	82.1	-33.28	-33.28	0.3	0.3	-33.26	MINIMAL VACUUM SETTING
PHLFTC03	7/10/23 13:00	10.6	30.5	9.8	49.1	92.3	92.3	-32.60	-32.60	0.0	0.0	-32.59	MINIMAL VACUUM SETTING
PHLFTC04	2/20/23 12:31	27.7	29.9	2.2	40.2	84.6	85.1	-0.66	-0.66	3.0	3.0	-30.58	MINIMAL VACUUM SETTING
PHLFTC04	3/30/23 12:40	30.5	34.1	1.4	34.0	70.5	70.5	-0.66	-0.67	2.8	2.8	-33.62	NO CHANGE
PHLFTC04	4/24/23 9:56	49.1	37.5	0.4	13.0	78.2	78.5	-1.03	-1.04	2.6	2.6	-34.24	
PHLFTC04	5/15/23 11:49	51.6	36.9	1.4	10.1	94.0	94.4	-1.27	-1.31	2.3	2.4	-32.83	
PHLFTC04	6/19/23 13:49	43.5	37.1	0.0	19.4	89.6	90.0	-1.25	-1.26	2.5	2.5	-34.48	
PHLFTC04	7/10/23 13:04	32.8	34.5	0.4	32.3	104.1	104.7	-1.25	-1.25	2.1	2.1	-32.25	MINIMAL VACUUM SETTING

	Non NSPS Location
	Above NSPS Threshold

SCS ENGINEERS

April 26, 2023
File No. 01204082.01

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

Subject: **75-Day Implementation Timeline Request of Well PHLF2209 Temperature Exceedance**
Potrero Hills Landfill, Suisun City, California
Plant No. A2039

Dear Mr. Gove:

On behalf of Potrero Hills Landfill Inc. (Potrero), SCS Engineers (SCS) is submitting the 75-day implementation timeline request pursuant to the compliance provisions identified in Title 40 of the Code of Federal Regulations (CFR) 62.16724(k) and 63.1960(a)(4) for a temperature exceedance at well PHLF2209 for the Potrero Hills Landfill in Suisun, California (Plant # A2039) to the Bay Area Air Quality Management District (BAAQMD).

Well PHLF2209 had an initial temperature reading of 146.6 degrees Fahrenheit (°F) on February 6, 2023. Corrective actions were initiated within 5 days; however, the well could not be brought back into compliance within 15 days. As required under 40 CFR 62.16724(k)(1) and 63.1960(a)(4), a root cause analysis was completed within 15 days and a corrective action analysis and implementation schedule was completed within 60 days from the original exceedance for the well. Copies of these forms are attached.

SCS has performed carbon monoxide (CO) monitoring at PHLF2209, which showed normal landfill decomposition at the well (25 parts per million). Additionally, the well is in deep waste, which is a common reason for high wellhead temperatures. The well also appears to have typical methane content (50.2%) and good flow. A reduction in extracting this gas, and heat, in an attempt to remediate the temperature exceedance, may result in a thermogenic reaction which would hinder the proper anaerobic decomposition process and increase the production of free hydrogen. Therefore, the best course of action is to keep this well in operation.

All of the steps for compliance were conducted, however, because of the above reasoning, the well will not be able to come back into compliance within the 120-day timeframe from the original exceedance (June 6, 2023). As such, this implementation timeline request is required and Potrero Hills requests an extended corrective action timeline beyond 120-days for PHLF2209. Please note that a request for a Higher Operating Value for PHLF2209 will be submitted. This letter satisfies the rule requirements for a 75-day notification for wells that were not corrected within 60 days.

If you have any questions or need any additional information, please contact the undersigned, Gabrielle Stephens (562) 355-6510, or Hannah Morse at (562) 305-0364.

Sincerely,

Hannah Morse
Technical Associate
SCS ENGINEERS

Gabrielle Stephens
Senior Project Manager
SCS ENGINEERS

Enclosures: 15-day Root Cause Analysis Forms and 60-Day Corrective Action Analysis and Implementation Schedule Forms

cc: USEPA Region 9
Dave Jappert; Waste Connections
Natalie Hicks; Waste Connections
Kevin Iler, Waste Connections
Curt Fujii; Waste Connections
Pat Sullivan; SCS Engineers
Art Jones, SCS Field Services

Enclosure
15-day Root Cause Analysis Forms and 60-Day Corrective Action Analysis and Implementation Schedule Forms

TEMPERATURE EXCEEDANCE

Root Cause Analysis

Date of Initial Exceedance:	2/6/2023
Collection Device ID:	2209
Temperature Reading:	146.6

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 Carbon Monoxide = 25 ppm		
Describe what was determined to be the root cause of the exceedance.		
Start up of new well. Well is in deep waste.		
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

Date of Initial Exceedance:	2/6/2023
Collection Device ID:	2209
Temperature Reading:	146.4

Corrective Action Analysis
Describe the corrective actions taken to remediate exceedance.
System has been expanded since the initial start up. Area has been checked for cracking or other possible atmospheric intrusion. None observed. Testing for NESHAP has been performed. CO is normal.

Implementation Schedule	
Expected Start Date:	NA
Expected Completion Date:	NA
Provide a description of proposed repairs and/or remedial action required and supporting information for implementation timeframe.	
This well has been tested and is operating normally for the depth of waste and other locations in the area. Site is continuing to add additional wells. HOV needed for this well.	

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 D – CMS Summary Report

SUMMARY REPORT – GASEOUS AND OPACITY EXCESS EMISSION AND CONTINUOUS MONITORING SYSTEM PERFORMANCE

The National Emission Standards for Hazardous Air Pollutants (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 February 1, 2023 – July 31, 2023.

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 (2/1/23 – 7/31/2023), the GCCS operated a total of 4,340.42 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 February 1, 2023 through July 31, 2023 the minimum temperature above which the flare was required to operate was 1,470°F (source test results minus 50°F), based on the source test results in the test report dated December 9, 2022. 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 February 1, 2023 through July 31, 2023 the minimum temperature above which the flare was required to operate was 1,450°F (source test results minus 50°F), based on the source test results in the test report dated December 9, 2022. 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.

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 | August 2023

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

Semi-Annual SSM Plan Report
Potrero Hills Landfill
August 2023

This semi-annual startup, shutdown, and malfunction (SSM) plan report, for the reporting period from February 1, 2023 through July 31, 2023, 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 08/31/23
Date

Reviewed By: Gabrielle Stephens, SCS Engineers 08/31/23
Date

Approved: Kevin, Site Manager 8/31/2023
Kevin Iier, Site Manager, Potrero Hills Landfill, Inc. Date

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Tables

Appendices

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 February 1, 2023 through July 31, 2023.

Please note that beginning September 27, 2021, the new NESHAP rule went into effect, removing SSM Plan requirements. However, since the Title V permit still 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 Bay Area Air Quality Management District (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 (PHLF2211) was connected and started up. Three (3) wells (PHL2015S, PHL2015D, and PHHC1505) were abandoned due to active filling and re-location of headers. Finally, one (1) well (PHLGW02R) was temporarily offline to allow for new laterals to be installed.

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

5 MALFUNCTION REPORTING REQUIREMENTS

There were no 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.

There were no malfunctions causing downtime for any parametric monitoring system components (flare flow and temperature monitors) or extraction wells during the reporting period.

Specific information regarding each malfunction event for the GCCS is provided in **Table 1a**. Note there were no malfunction events for the A-2 and A-4 flare.

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 3a. GCCS Downtime
Potrero Hills, Landfill, Suisun City, CA
(February 1, 2023 through July 31, 2023)

Shutdown	Startup	Total Downtime Hours	Reason for Shutdown
2/10/2023 15:20	2/10/2023 15:24	0.07	LFGTE plant shutdown for maintenance due to landfill high oxygen issues
2/10/2023 15:26	2/10/2023 15:32	0.10	LFGTE plant shutdown for maintenance due to landfill high oxygen issues
6/6/2023 7:34	6/6/2023 10:59	3.42	LFGTE plant shutdown due to PG&E Outage, resulting in a shutdown.
	Total GCCS Downtime	**3.58**	
	Total GCCS Runtime	**4340.42**	

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
(February 1, 2023 through July 31, 2023)

Shutdown	Startup	Total Downtime Hours	Total Runtime Hours
	2/1/2023 0:00		
2/1/2023 15:50	2/1/2023 16:08	0.30	15.83
2/2/2023 12:54	2/3/2023 7:08	18.23	20.77
2/7/2023 5:46	2/7/2023 6:52	1.10	94.63
2/10/2023 15:20	2/10/2023 15:32	0.20	80.47
2/13/2023 7:42	2/13/2023 17:26	9.73	64.17
2/14/2023 16:04	2/14/2023 16:22	0.30	22.63
2/15/2023 8:22	2/15/2023 12:00	3.63	16.00
2/23/2023 8:34	2/23/2023 8:52	0.30	188.57
2/24/2023 8:28	2/24/2023 9:50	1.37	23.60
2/27/2023 8:36	3/1/2023 0:00	39.40	70.77
3/1/2023 0:00	3/24/2023 12:28	564.47	0.00
3/24/2023 12:34	3/30/2023 8:34	140.00	0.10
4/20/2023 9:14	4/20/2023 10:04	0.83	504.67
5/8/2023 15:56	5/8/2023 16:54	0.97	437.87
5/31/2023 9:50	5/31/2023 10:26	0.60	544.93
6/6/2023 7:34	6/7/2023 7:28	23.90	141.13
7/25/2023 10:22	8/1/2023 0:00	157.63	1154.90
	Total Downtime	**962.97**	
	Total Runtime		**3,381.03**

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.

Table 3c. Flare A-4 Downtime
Potrero Hills Landfill, Suisun City, CA
(February 1, 2023 through July 31, 2023)

Shutdown	Startup	Total Downtime Hours	Total Runtime Hours
2/1/2023 12:20	2/1/2023 12:24	0.07	12.33
2/1/2023 12:34	2/1/2023 14:46	2.20	0.17
2/1/2023 15:02	2/1/2023 15:04	0.03	0.27
2/1/2023 15:42	2/1/2023 15:45	0.05	0.63
2/1/2023 20:10	2/1/2023 20:16	0.10	4.42
2/2/2023 0:50	2/2/2023 0:58	0.13	4.57
2/2/2023 12:40	2/2/2023 12:44	0.07	11.70
2/2/2023 12:48	2/2/2023 12:52	0.07	0.07
2/2/2023 13:18	2/2/2023 13:24	0.10	0.43
2/2/2023 13:42	2/2/2023 13:46	0.07	0.30
2/2/2023 13:52	2/2/2023 13:56	0.07	0.10
2/3/2023 1:30	2/10/2023 15:24	181.90	11.57
2/10/2023 15:26	2/10/2023 15:32	0.10	0.03
2/10/2023 15:34	2/10/2023 15:46	0.20	0.03
2/10/2023 16:00	2/10/2023 16:04	0.07	0.23
2/10/2023 16:12	2/10/2023 16:18	0.10	0.13
2/10/2023 16:26	2/10/2023 16:56	0.50	0.13
2/13/2023 13:16	2/13/2023 14:22	1.10	68.33
2/13/2023 15:30	2/13/2023 17:14	1.73	1.13
2/14/2023 16:02	2/14/2023 16:16	0.23	22.80
2/15/2023 8:22	2/15/2023 11:58	3.60	16.10
2/23/2023 8:34	2/23/2023 8:44	0.17	188.60
2/24/2023 8:28	2/24/2023 9:30	1.03	23.73
3/7/2023 10:02	3/7/2023 10:26	0.40	264.53
3/14/2023 10:44	3/14/2023 12:16	1.53	168.30
3/24/2023 12:18	3/24/2023 12:36	0.30	240.03
4/10/2023 22:34	4/10/2023 22:42	0.13	417.97
4/10/2023 23:00	4/10/2023 23:06	0.10	0.30
4/11/2023 1:04	4/11/2023 1:12	0.13	1.97
4/17/2023 2:26	4/17/2023 2:34	0.13	145.23
4/17/2023 2:48	4/17/2023 2:52	0.07	0.23
4/17/2023 2:54	4/17/2023 2:58	0.07	0.03
4/17/2023 3:02	4/17/2023 5:24	2.37	0.07
4/17/2023 5:44	4/17/2023 5:52	0.13	0.33
4/20/2023 9:14	4/20/2023 9:42	0.47	75.37
5/8/2023 14:56	5/8/2023 15:50	0.90	437.23
5/8/2023 15:58	5/8/2023 16:10	0.20	0.13
5/8/2023 16:54	5/8/2023 17:00	0.10	0.73
5/31/2023 9:50	5/31/2023 10:10	0.33	544.83
6/6/2023 7:34	6/6/2023 16:54	9.33	141.40
6/6/2023 18:14	6/6/2023 18:22	0.13	1.33
6/6/2023 21:32	6/6/2023 21:40	0.13	3.17
6/6/2023 22:20	6/6/2023 22:27	0.12	0.67
6/7/2023 1:32	6/7/2023 1:42	0.17	3.08
6/7/2023 6:04	6/7/2023 6:12	0.13	4.37
6/7/2023 6:44	6/7/2023 6:52	0.13	0.53

Table 3c. Flare A-4 Downtime
Potrero Hills Landfill, Suisun City, CA
(February 1, 2023 through July 31, 2023)

Shutdown	Startup	Total Downtime Hours	Total Runtime Hours
6/7/2023 7:28	6/7/2023 7:36	0.13	0.60
7/5/2023 7:50	7/5/2023 8:00	0.17	672.23
7/9/2023 10:04	7/25/2023 10:32	384.47	98.07
	Total Downtime	**595.97**	
	Total Runtime		**3,748.03**

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.

Table 4. Individual Well Startups, Shutdowns and Decommissions
Potrero Hills Landfill, Suisun City, California
(February 1, 2023 through July 31, 2023)

Well ID	Shutdown	Start-up	Days Offline	Reason for Shutdown
PHL2015S	7/1/2023	N/A	N/A	Well abandoned due to active filling and re-location of headers.
PHL2015D	7/1/2023	N/A	N/A	Well abandoned due to active filling and re-location of headers.
PHHC1505	7/1/2023	N/A	N/A	Well abandoned due to active filling and re-location of headers.
PHLF2211	N/A	5/8/2023	N/A	GCCS Expansion
PHLGW02R	12/28/2022	5/8/2023	131	Well taken offline to allow for new laterals to be installed

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
(February 1, 2023 through July 31, 2023)

Well ID	Date	Initial Static Pressure ("H_2O)	Adjusted Static Pressure ("H_2O)	5-Day Corrective Action Date	Corrective Action	15-Day Follow-Up Pressure ("H_2O)	15-Day Follow-Up Date	Comments
PHHC1507	2/20/2023	0.26	0.28	2/20/2023	Adjusted Valve	-14.3	2/21/2023	
PHLF1916	2/20/2023	0.38	0.38	2/20/2023	Adjusted Valve	-5.61	2/21/2023	
PHL2001D	2/20/2023	0.36	0.36	2/20/2023	Adjusted Valve	-20.39	2/21/2023	
PHL2001S	2/20/2023	0.23	0.23	2/20/2023	Adjusted Valve	-0.13	2/21/2023	
PHL2008D	2/20/2023	4.43	4.43	2/20/2023	Adjusted Valve	-11.31	2/21/2023	
PHL2008S	2/20/2023	0.07	0.06	2/20/2023	Adjusted Valve	-1.41	2/21/2023	
PHEW1601	3/13/23 10:46	0.26	0.26	3/13/2023	Adjusted Valve	-2.71	3/22/2023	
PHL2002S	3/13/23 12:37	0.04	0.04	3/13/2023	Adjusted Valve	-1.75	3/22/2023	
PHL2002S	5/1/23 13:03	0.21	0.23	5/1/2023	Adjusted Valve	-15.49	5/8/2023	
PHL2121D	6/12/23 16:09	3.7	3.64	6/12/2023	Adjusted Valve	-0.08	6/12/2023	

Note: All required corrective action and remonitoring was completed in accordance with Rule 8-34 and NSPS/NESHAP timelines.

Table 6. Wells with Oxygen Exceedance
Potrero Hills Landfill, Suisun City, California
(February 1, 2023 through July 31, 2023)

Well ID	Date	Initial O2 [%]	5-Day Corrective Action Date	Corrective Action	Adjusted O2 [%]	Follow-Up Date	Comments
PHEW0904	4/24/2023	7.4	4/24/2023	Adjusted Valve	6.6	5/1/2023	In compliance (1.6%) on 6/28/2023 (within 120 days)
PHEW1304	3/30/2023	10.8	3/30/2023	Adjusted Valve	9.9	4/5/2023	Set to be abandoned
PHEW1428	4/24/2023	9	4/24/2023	Adjusted Valve	0.4	4/24/2023	
PHEW1429	2/6/2023	10.9	2/6/2023	Adjusted Valve	3.9	2/14/2023	
PHEW1513	5/15/2023	13.8	5/15/2023	Adjusted Valve	3	5/22/2023	
PHEW1513	7/17/2023	7.3	7/17/2023	Adjusted Valve	7.4	7/17/2023*	
PHHC1504	6/28/2023	8.1	6/28/2023	Adjusted Valve	12.6	6/28/2023*	
PHHC1507	3/13/2023	20	3/13/2023	Adjusted Valve	21.2	3/22/2023	In compliance (0.6%) on 4/24/2023 (within 120 days)
PHHZ2007	5/8/2023	8.1	5/8/2023	Adjusted Valve	6.6	6/19/2023*	
PHHZ2008	2/14/2023	9.3	2/14/2023	Adjusted Valve	9	3/29/2023*	
PHL0604D	2/14/2023	12.6	2/14/2023	Adjusted Valve	9.9	2/20/2023	In compliance (4.8%) on 5/15/2023 (within 120 days)
PHHZ1904	2/14/2023	21.3	2/14/2023	Adjusted Valve	0.6	2/20/2023	
PHHZ1904	3/13/2023	13.3	3/13/2023	Adjusted Valve	13.3	3/13/2023	In compliance (0.4%) on 5/15/2023 (within 120 days)
PHL0604D	7/17/2023	8.5	7/17/2023	Adjusted Valve	8.6	7/17/2023*	
PHL0721D	3/29/2023	10.3	3/29/2023	Adjusted Valve	0.8	4/5/2023	
PHL0721D	5/8/2023	8.6	5/8/2023	Adjusted Valve	2.3	5/8/2023	
PHL1802D	3/30/2023	14.3	3/30/2023	Adjusted Valve	3.1	3/30/2023	
PHL1802D	4/24/2023	14	4/24/2023	Adjusted Valve	4.5	4/24/2023	
PHL1805D	3/29/2023	7.2	3/29/2023	Adjusted Valve	4.8	4/17/2023	
PHL1805D	5/1/2023	13.8	5/1/2023	Adjusted Valve	4.4	6/7/2023	
PHL1805D	7/10/2023	9.6	7/10/2023	Adjusted Valve	13.5	7/17/2023*	
PHL2009D	6/12/2023	10.6	6/12/2023	Adjusted Valve	4.6	7/17/2023	
PHLFGW19	2/14/2023	20.2	2/14/2023	Adjusted Valve	22	3/29/2023	In compliance (2.2%) on 6/19/23 (within 120 days)
PHLGW06R	2/20/2023	21.9	2/20/2023	Adjusted Valve	20.9	3/29/2023	In compliance (0.7%) on 7/10/23

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

Table 7. Wells with Temperature Exceedance
Potrero Hills Landfill, Suisun City, California
(February 1, 2023 through July 31, 2023)

Well ID	Date	Initial Temperature [°F]	Adjusted Temperature [°F]	5-Day Corrective Action Date	Corrective Action	15-Day Follow-Up Temperature [°F]	15-Day Follow-Up Date	Comments
PHHC1406	**3/30/2023**	**135.2**	**135.6**	**3/30/2023**	**Adjusted Valve**	**135.8**	**3/30/2023***	
PHL1803S	**3/30/2023**	**137.7**	**137.7**	**3/30/2023**	**Adjusted Valve**	**137**	**3/30/2023***	
PHL1804D	**2/20/2023**	**133.9**	**134.3**	**2/20/2023**	**Adjusted Valve**	**61.5**	**3/1/2023**	
PHL1804D	**3/30/2023**	**132.3**	**132.3**	**3/30/2023**	**Adjusted Valve**	**132.3**	**3/30/2023**	In compliance on 5/15/2023 (130.1 F)
PHL1805S	6/7/2023	131.3	131.3	6/7/2023	Adjusted Valve	131.6	6/7/2023	In compliance on 6/19/2023 (130.7 F)
PHL1805S	7/10/2023	131.8	132.1	7/10/2023	Adjusted Valve	132.3	7/17/2023*	
PHL2004D	**2/6/2023**	**142**	**142.1**	**2/6/2023**	**Adjusted Valve**	**142**	**2/6/2023***	
PHL2010D	**5/15/2023**	**131.4**	**131.7**	**5/15/2023**	**Adjusted Valve**	**133.4**	**5/15/2023***	
PHL2012D	**2/6/2023**	**133.1**	**133.1**	**2/6/2023**	**Adjusted Valve**	**133.3**	**2/6/2023***	
PHL2012S	7/17/2023	132.6	132.6	7/17/2023	Adjusted Valve	132.5	7/17/2023*	
PHL2013D	**4/24/2023**	**132**	**132.6**	**4/24/2023**	**Adjusted Valve**	**128.2**	**5/1/2023**	
PHL2102D	7/17/2023	131.9	132.1	7/17/2023	Adjusted Valve	132.1	7/17/2023*	
PHL2102S	**3/13/2023**	**132.3**	**132.6**	**3/13/2023**	**Adjusted Valve**	**133.2**	**3/13/2023**	In compliance on 6/7/2023 (130.6 F)
PHL2102S	**7/17/2023**	**132**	**132**	**7/17/2023**	**Adjusted Valve**	**131.6**	**7/17/2023***	
PHL2104D	**5/1/2023**	**132.3**	**132.3**	**5/1/2023**	**Adjusted Valve**	**129.8**	**5/15/2023**	
PHL2104D	**7/17/2023**	**133.4**	**133.4**	**7/17/2023**	**Adjusted Valve**	**133.4**	**7/17/2023***	
PHL2104S	**3/13/2023**	**132.2**	**132.3**	**3/13/2023**	**Adjusted Valve**	**129.8**	**3/22/2023**	
PHL2104S	**4/17/2023**	**131.5**	**131.7**	**4/17/2023**	**Adjusted Valve**	**131.9**	**4/17/2023***	
PHL2118D	**2/6/2023**	**138.3**	**138.3**	**2/6/2023**	**Adjusted Valve**	**135.8**	**2/14/2023**	In compliance on 3/22/2023 (129.1 F)
PHL2118D	**3/29/2023**	**134.3**	**134.5**	**3/29/2023**	**Adjusted Valve**	**136.4**	**4/5/2023***	
PHL2119D	**2/6/2023**	**139.6**	**139.7**	**2/6/2023**	**Adjusted Valve**	**139.4**	**2/6/2023***	
PHL2120D	**2/6/2023**	**141.8**	**141.8**	**2/6/2023**	**Adjusted Valve**	**141.4**	**2/6/2023***	
PHL2121D	**3/30/2023**	**134.7**	**135.1**	**3/30/2023**	**Adjusted Valve**	**135.5**	**3/30/2023**	In compliance on 5/1/2023 (126.2 F)
PHL2121D	**6/12/2023**	**146.1**	**146.1**	**6/12/2023**	**Adjusted Valve**	**138.8**	**7/17/2023***	
PHL2124D	**3/13/2023**	**135.4**	**135.4**	**3/13/2023**	**Adjusted Valve**	**137.1**	**4/24/2023***	
PHLF1916	**4/17/2023**	**131.3**	**131.3**	**4/17/2023**	**Adjusted Valve**	**129.3**	**4/24/2023**	
PHLF1916	**6/7/2023**	**131.2**	**131.2**	**6/7/2023**	**Adjusted Valve**	**129.1**	**6/19/2023**	
PHLF2205	7/17/2023	131.7	131.7	7/17/2023	Adjusted Valve	131.7	7/17/2023*	
PHLF2207	7/17/2023	131.6	131.7	7/17/2023	Adjusted Valve	131.7	7/17/2023*	
PHLF2209	2/6/2023	146.4	146.5	2/6/2023	Adjusted Valve	146.6	2/6/2023*	
PHLF2211	5/15/2023	135	136.1	5/15/2023	Adjusted Valve	136.3	5/15/2023*	

Notes:

Wells in bold are awaiting response on HOV request submitted on May 6, 2022.

All required corrective action and remonitoring was completed in accordance with Rule 8-34 and NSPS/NESHAP timelines.

All wells are in compliance with the NESHAP limit of 145 F. However, HOVs are necessary due to outdated temperature requirements in Rule 8-34 and Subpart WWW

*Exceedance remains at end of reporting period.

Appendix A - GCCS 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: **Plant Shutdown/Flare A2 and A4 Shutdown and Startup**
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: 8/1/2023

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 Startup**
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: 8/1/2023

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

SSM CHECKLIST FORM

Potrero Hills Landfill

Landfill Gas Collection and Control System

2015S, 2015D HC1505

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: 7/01/2023

3. Beginning of Startup Event Date:

4. Duration of Shutdown Event (hours):
Permanent

5. Description of Affected Equipment:
LFG Extraction Wells 2015S/D and HC1505

6. Cause/Reason for Startup/Shutdown/Malfunction:
Well shutdown due to active filling and re-location of headers

7. Name and Title (please print): David Pires

8. Signature: *David Pires* 9. Date:7-1-2023

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

GW-02R

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: December 28, 2022

3. Beginning of Startup Event Date: 5/8/2023

4. Duration of Shutdown Event (hours):
131R

5. Description of Affected Equipment:
LFG Extraction Well GW02R

6. Cause/Reason for Startup/Shutdown/Malfunction:
Taken off line to allow for new laterals to be installed and dirt work to be done. One area was safe for re-entry the well was monitored

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

8. Signature: *Art jones* 9. Date: 5/8/2023

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

PHLF2211

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:

3. Beginning of Startup Event Date:
5/8/2023 09:39

4. Duration of Shutdown Event (hours):

5. Description of Affected Equipment: New LFG Extraction well start up to conform to 120 day timeline

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

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

8. Signature: Darris Phillips/Anton Svorinich 9. Date: 1/31/2023

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 ANNUAL CERTIFICATION

SITE: POTRERO HILLS LANDFILL	FACILITY ID#: A2039
REPORTING PERIOD: *from* 08/01/2022	*through* 07/31/2023

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

8/31/2023
Date

Kevin lier
Name of Responsible Official (please print)

Site 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

Compliance Certification Report

Site #: A2039 **Site Name:** Potrero Hills Landfill **Reporting Period:** 08/1/2022 to 07/31/2023

Address: 3675 Potrero Hills Lane **City:** Suisun **Zip Code:** 94806

Source #: Facility **Source Name:** Facility

Applicable Requirement	Regulation Title or Description of Requirement	Compliance (Y/N)	Continuous or Intermittent	Notes
BAAQMD Regulation 1	General Provisions and Definitions (5/4/11)	Y	C	
SIP Regulation 1	General Provisions and Definitions (6/28/99)	Y	C	
BAAQMD Regulation 2, Rule 1	Permits – General Requirements (4/18/12)	Y	C	
BAAQMD 2-1-429	Permits – General Requirements: Federal Emissions Statement (12/21/04)	Y	C	
SIP Regulation 2, Rule 1	Permits - General Requirements (1/26/99)	Y	C	
SIP Regulation 2-1-429	Permits – General Requirements: Federal Emissions Statement (4/3/95)	Y	C	
BAAQMD Regulation 2, Rule 5	Permits – New Source Review of Toxic Air Contaminants (1/6/10)	Y	C	
BAAQMD Regulation 4	Air Pollution Episode Plan (3/20/91)	Y	C	
SIP Regulation 4	Air Pollution Episode Plan (8/6/90)	Y	C	
BAAQMD Regulation 5	Open Burning (7/09/08)	Y	C	
SIP Regulation 5	Open Burning (9/4/98)	Y	C	
BAAQMD Regulation 6, Rule 1	Particulate Matter – General Requirements (12/05/07)	Y	C	
SIP Regulation 6	Particulate Matter and Visible Emissions (9/4/98)	Y	C	
BAAQMD Regulation 7	Odorous Substances (3/17/82)	Y	C	
BAAQMD Regulation 8, Rule 1	Organic Compounds - General Provisions (6/15/94)	Y	C	
BAAQMD Regulation 8, Rule 2	Organic Compounds – Miscellaneous Operations (7/20/05)	Y	C	
SIP Regulation 8, Rule 2	Organic Compounds – Miscellaneous Operations (3/22/95)	Y	C	
BAAQMD Regulation 8, Rule 3	Organic Compounds - Architectural Coatings (7/1/09)	Y	C	
SIP Regulation 8, Rule 3	Organic Compounds - Architectural Coatings (1/2/04)	Y	C	
BAAQMD Regulation 8, Rule 4	Organic Compounds - General Solvent and Surface Coating Operations (10/16/02)	Y	C	
BAAQMD Regulation 8, Rule 5	Organic Compounds – Storage of Organic Liquids (10/18/06)	Y	C	
SIP Regulation 8, Rule 5	Organic Compounds - Storage of Organic Liquids (6/5/03)	Y	C	
BAAQMD Regulation 8, Rule 15	Organic Compounds – Emulsified and Liquid Asphalts (6/1/94)	Y	C	
BAAQMD Regulation 8, Rule 16	Organic Compounds - Solvent Cleaning Operations (10/16/02)	Y	C	
BAAQMD Regulation 8, Rule 40	Organic Compounds – Aeration of Contaminated Soil and Removal of Underground Storage Tanks (6/15/05)	Y	C	

Compliance Certification Report

Site #: A2039 **Site Name:** Potrero Hills Landfill **Reporting Period:** 08/1/2022 to 07/31/2023

Address: 3675 Potrero Hills Lane **City:** Suisun **Zip Code:** 94806

Source #: Facility **Source Name:** Facility

Applicable Requirement	Regulation Title or Description of Requirement	Compliance (Y/N)	Continuous or Intermittent	Notes
SIP Regulation 8, Rule 40	Organic Compounds – Aeration of Contaminated Soil and Removal of Underground Storage Tanks (4/19/01)	Y	C	
BAAQMD Regulation 8, Rule 47	Organic Compounds – Air Stripping and Soil Vapor Extraction Operations (6/15/05)	Y	C	
SIP Regulation 8, Rule 47	Organic Compounds – Air Stripping and Soil Vapor Extraction Operations (4/26/95)	Y	C	
BAAQMD Regulation 8, Rule 49	Organic Compounds - Aerosol Paint Products (12/20/95)	Y	C	
SIP Regulation 8, Rule 49	Organic Compounds - Aerosol Paint Products (3/22/95)	Y	C	
BAAQMD Regulation 8, Rule 51	Organic Compounds - Adhesive and Sealant Products (7/17/02)	Y	C	
SIP Regulation 8, Rule 51	Organic Compounds - Adhesive and Sealant Products (2/26/02)	Y	C	
BAAQMD Regulation 9, Rule 1	Inorganic Gaseous Pollutants – Sulfur Dioxide (3/15/95)	Y	C	
SIP Regulation 9, Rule 1	Inorganic Gaseous Pollutants – Sulfur Dioxide (6/8/99)	Y	C	
BAAQMD Regulation 9, Rule 2	Inorganic Gaseous Pollutants – Hydrogen Sulfide (10/6/99)	Y	C	
BAAQMD Regulation 11, Rule 1	Hazardous Pollutants – Lead (3/17/82)	Y	C	
SIP Regulation 11, Rule 1	Hazardous Pollutants – Lead (9/2/81)	Y	C	
BAAQMD Regulation 11, Rule 2	Hazardous Pollutants - Asbestos Demolition, Renovation and Manufacturing (10/7/98)	Y	C	
BAAQMD Regulation 11, Rule 14	Hazardous Pollutants - Asbestos Containing Serpentine (7/17/91)	Y	C	
BAAQMD Regulation 12, Rule 4	Miscellaneous Standards of Performance - Sandblasting (7/11/90)	Y	C	
SIP Regulation 12, Rule 4	Miscellaneous Standards of Performance - Sandblasting (9/2/81)	Y	C	
California Health and Safety Code Section 41750 et seq.	Portable Equipment	Y	C	
California Health and Safety Code Section 44300 et seq.	Air Toxics “Hot Spots” Information and Assessment Act of 1987	Y	C	
California Health and Safety Code Title 17, 93105	Asbestos Airborne Toxic Control Measure for Construction, Grading, Quarrying and Surface Mining Operations (7/26/01)	Y	C	
California Health and Safety Code Title 17, 93106	Asbestos Airborne Toxic Control Measure for Asbestos Containing Serpentine (7/20/00)	Y	C	

Compliance Certification Report

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Address: 3675 Potrero Hills Lane **City:** Suisun **Zip Code:** 94806

Source #: Facility **Source Name:** Facility

Applicable Requirement	Regulation Title or Description of Requirement	Compliance (Y/N)	Continuous or Intermittent	Notes
California Health and Safety Code Title 17, 93116	Airborne Toxic Control Measure for Diesel Particulate Matter from Portable Engines Rated at 50 Horsepower and Greater (2/19/11)	Y	C	
40 CFR Part 61, Subpart A	National Emission Standards for Hazardous Air Pollutants – General Provisions (9/13/10)	Y	C	
40 CFR Part 61, Subpart M	National Emission Standards for Hazardous Air Pollutants – National Emission Standard for Asbestos (7/20/04)	Y	C	

Compliance Certification Report

Site #: A2039
Address: 3675 Potrero Hills Lane
Source #: S-1, S-202, S-203

Site Name: Potrero Hills Landfill
City: Suisun
Source Name: MSW Landfill - Waste Decomposition Process with LFG Collection System (S-1), abated by Flare (A-2) and Flare (A-4), Waste and Cover Material Dumping (S-202), Excavating, Bulldozing, and Compacting Activities (S-203)

Reporting Period: 08/01/2022 to 07/31/2023
Zip Code: 94585

Applicable Requirement	Regulation Title or Description of Requirement	Compliance (Y/N)	Continuous or Intermittent	Comments
BAAQMD Regulation 1	**General Provisions and Definitions (5/4/11)**			
1-523	Parametric Monitoring and Recordkeeping Procedures	Y	C	
1-523.1	Parametric monitor periods of inoperation	Y	C	
1-523.2	Limit on duration of inoperation	Y	C	
1-523.3	Reporting requirement for violations of any applicable limits	Y	C	
1-523.4	Records of inoperation, tests, calibrations, adjustments, & maintenance	Y	C	
1-523.5	Maintenance and calibration	Y	C	
SIP Regulation 1	**General Provisions and Definitions (6/28/99)**			
1-523	Parametric Monitoring and Recordkeeping Procedures	Y	C	
1-523.3	Reports of Violations	Y	C	
BAAQMD Regulation 6, Rule 1	**Particulate Matter – General Requirements (12/5/07)**			
6-1-301	Ringelmann No. 1 Limitation	Y	C	
6-1-305	Visible Particles	Y	C	
6-1-310	Particle Weight Limitation (applies to Flares only)	Y	C	
6-1-401	Appearance of Emissions	Y	C	
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/98)**			
6-301	Ringelmann No. 1 Limitation	Y	C	
6-305	Visible Particles	Y	C	
6-310	Particle Weight Limitation (applies to A-2 Flare only)	Y	C	
6-401	Appearance of Emissions	Y	C	

Compliance Certification Report

Site #: A2039
Address: 3675 Potrero Hills Lane
Source #: S-1, S-202, S-203

Site Name: Potrero Hills Landfill
City: Suisun
Source Name: MSW Landfill - Waste Decomposition Process with LFG Collection System (S-1), abated by Flare (A-2) and Flare (A-4), Waste and Cover Material Dumping (S-202), Excavating, Bulldozing, and Compacting Activities (S-203)

Reporting Period: 08/01/2022 to 07/31/2023
Zip Code: 94585

Applicable Requirement	Regulation Title or Description of Requirement	Compliance (Y/N)	Continuous or Intermittent	Comments
BAAQMD Regulation 8, Rule 2	**Organic Compounds – Miscellaneous Operations (7/20/05)**			
8-2-301	Miscellaneous Operations (applies to VOC-laden soil handling and disposal activities only)	Y	C	
BAAQMD Regulation 8, Rule 34	**Organic Compounds – Solid Waste Disposal Sites (6/15/05)**			
8-34-113	Limited Exemption, Inspection and Maintenance	Y	C	
8-34-113.1	Emission Minimization Requirement	Y	C	
8-34-113.2	Shutdown Time Limitation	Y	C	
8-34-113.3	Recordkeeping Requirement	Y	C	
8-34-116	Limited Exemption, Well Raising	Y	C	
8-34-116.1	New Fill	Y	C	
8-34-116.2	Limits on Number of Wells Shutdown	Y	C	
8-34-116.3	Shutdown Duration Limit	Y	C	
8-34-116.4	Capping Well Extensions	Y	C	
8-34-116.5	Well Disconnection Records	Y	C	
8-34-117	Limited Exemption, Gas Collection System Components	Y	C	
8-34-117.1	Necessity of Existing Component Repairs/Adjustments	Y	C	
8-34-117.2	New Components are Described in Collection and Control System Design Plan	Y	C	
8-34-117.3	Meets Section 8-34-118 Requirements	Y	C	
8-34-117.4	Limits on Number of Wells Shutdown	Y	C	
8-34-117.5	Shutdown Duration Limit	Y	C	
8-34-117.6	Well Disconnection Records	Y	C	
8-34-118	Limited Exemption, Construction Activities	Y	C	

Compliance Certification Report

Site #: A2039
Address: 3675 Potrero Hills Lane
Source #: S-1, S-202, S-203

Site Name: Potrero Hills Landfill
City: Suisun
Source Name: MSW Landfill - Waste Decomposition Process with LFG Collection System (S-1), abated by Flare (A-2) and Flare (A-4), Waste and Cover Material Dumping (S-202), Excavating, Bulldozing, and Compacting Activities (S-203)

Reporting Period: 08/01/2022 to 07/31/2023
Zip Code: 94585

Applicable Requirement	Regulation Title or Description of Requirement	Compliance (Y/N)	Continuous or Intermittent	Comments
8-34-118.1	Construction Plan	Y	C	
8-34-118.2	Activity is Required to Maintain Compliance with this Rule	Y	C	
8-34-118.3	Required or Approved by Other Enforcement Agencies	Y	C	
8-34-118.4	Emission Minimization Requirement	Y	C	
8-34-118.5	Excavated Refuse Requirements	Y	C	
8-34-118.6	Covering Requirements for Exposed Refuse	Y	C	
8-34-118.7	Installation Time Limit	Y	C	
8-34-118.8	Capping Required for New Components	Y	C	
8-34-118.9	Construction Activity Records	Y	C	
8-34-301	Landfill Gas Collection and Emission Control System Requirements	Y	C	
8-34-301.1	Continuous Operation	Y	C	
8-34-301.2	Collection and Control Systems Leak Limitations	Y	C	
8-34-301.3	Limits for Enclosed Flares (applies to A-2 Flare only)	Y	C	
8-34-303	Landfill Surface Requirements	Y	C	
8-34-304	Gas Collection System Installation Requirements	Y	C	
8-34-304.1	Based on Waste Age For Inactive or Closed Areas	Y	C	
8-34-304.2	Based on Waste Age For Active Areas	Y	C	
8-34-304.3	Based on Amount of Decomposable Waste Accepted	Y	C	
8-34-304.4	Based on NMOC Emission Rate	Y	C	
8-34-305	Wellhead Requirements	Y	C	
8-34-305.1	Wellhead Vacuum Requirements	Y	C	

Compliance Certification Report

Site #: A2039
Address: 3675 Potrero Hills Lane
Source #: S-1, S-202, S-203

Site Name: Potrero Hills Landfill
City: Suisun
Source Name: MSW Landfill - Waste Decomposition Process with LFG Collection System (S-1), abated by Flare (A-2) and Flare (A-4), Waste and Cover Material Dumping (S-202), Excavating, Bulldozing, and Compacting Activities (S-203)

Reporting Period: 08/01/2022 to 07/31/2023
Zip Code: 94585

Applicable Requirement	Regulation Title or Description of Requirement	Compliance (Y/N)	Continuous or Intermittent	Comments
8-34-305.2	Wellhead Temperature Limit	Y	I	HOV requests for 18 wells, (PHL2004D, PHL2118D, PHL2120D, PHHC1406, PHL1803S, PHL1804D, PHL2010D, PHL2013D, PHL2102S, PHL2119D, PHL2121D, PHL2121S, PHL2124D, PHLF1916, PHL2012D, PHL2016S, PHL2104S, and PHL2104D) have been pending since May 6, 2022.
8-34-305.3	Nitrogen Concentration Limit for Wellhead Gas or	Y	C	
8-34-305.4	Oxygen Concentration Limit for Wellhead Gas	Y	C	
8-34-405	Design Capacity Reports	Y	C	
8-34-408	Collection and Control System Design Plans	Y	C	
8-34-408.2	Sites With Existing Collection and Control Systems	Y	C	
8-34-411	Annual Report	Y	C	
8-34-412	Compliance Demonstration Tests	Y	C	
8-34-413	Performance Test Report	Y	C	
8-34-414	Repair Schedule for Wellhead Excesses	Y	C	
8-34-414.1	Records of Excesses	Y	C	
8-34-414.2	Corrective Action	Y	C	
8-34-414.3	Collection System Expansion	Y	C	
8-34-414.4	Operational Due Date for Expansion	Y	C	
8-34-415	Repair Schedule for Surface Leak Excesses	Y	C	
8-34-415.1	Records of Excesses	Y	C	
8-34-415.2	Corrective Action	Y	C	
8-34-415.3	Re-monitor Excess Location Within 10 Days	Y	C	
8-34-415.4	Re-monitor Excess Location Within 1 Month	Y	C	
8-34-415.5	If No More Excesses, No Further Re-Monitoring	Y	C	

Compliance Certification Report

Site #: A2039
Address: 3675 Potrero Hills Lane
Source #: S-1, S-202, S-203

Site Name: Potrero Hills Landfill
City: Suisun
Source Name: MSW Landfill - Waste Decomposition Process with LFG Collection System (S-1), abated by Flare (A-2) and Flare (A-4), Waste and Cover Material Dumping (S-202), Excavating, Bulldozing, and Compacting Activities (S-203)

Reporting Period: 08/01/2022 to 07/31/2023
Zip Code: 94585

Applicable Requirement	Regulation Title or Description of Requirement	Compliance (Y/N)	Continuous or Intermittent	Comments
8-34-415.6	Additional Corrective Action	Y	C	
8-34-415.7	Re-monitor Second Excess Within 10 days	Y	C	
8-34-415.8	Re-monitor Second Excess Within 1 Month	Y	C	
8-34-415.9	If No More Excesses, No Further Re-monitoring	Y	C	
8-34-415.10	Collection System Expansion for Third Excess in a Quarter	Y	C	
8-34-415.11	Operational Due Date for Expansion	Y	C	
8-34-416	Cover Repairs	Y	C	
8-34-501	Operating Records	Y	C	
8-34-501.1	Collection System Downtime	Y	C	
8-34-501.2	Emission Control System Downtime	Y	C	
8-34-501.3	Continuous Temperature Records for Enclosed Combustors (applies Flares)	Y	C	
8-34-501.4	Testing	Y	C	
8-34-501.6	Leak Discovery and Repair Records	Y	C	
8-34-501.7	Waste Acceptance Records	Y	C	
8-34-501.8	Non-decomposable Waste Records	Y	C	
8-34-501.9	Wellhead Excesses and Repair Records	Y	C	
8-34-501.10	Gas Flow Rate Records for All Emission Control Systems	Y	C	
8-34-501.12	Records Retention for 5 Years	Y	C	
8-34-503	Landfill Gas Collection and Emission Control System Leak Testing	Y	C	
8-34-504	Portable Hydrocarbon Detector	Y	C	
8-34-505	Well Head Monitoring	Y	C	
8-34-506	Landfill Surface Monitoring	Y	C	
8-34-507	Continuous Temperature Monitor and Recorder	Y	C	
8-34-508	Gas Flow Meter	Y	C	
8-34-510	Cover Integrity Monitoring	Y	C	

Compliance Certification Report

Site #: A2039
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Site Name: Potrero Hills Landfill
City: Suisun
Source Name: MSW Landfill - Waste Decomposition Process with LFG Collection System (S-1), abated by Flare (A-2) and Flare (A-4), Waste and Cover Material Dumping (S-202), Excavating, Bulldozing, and Compacting Activities (S-203)

Reporting Period: 08/01/2022 to 07/31/2023
Zip Code: 94585

Applicable Requirement	Regulation Title or Description of Requirement	Compliance (Y/N)	Continuous or Intermittent	Comments
BAAQMD Regulation 9, Rule 1	**Inorganic Gaseous Pollutants – Sulfur Dioxide (3/15/95)**			
9-1-301	Limitations on Ground Level Concentrations (applies Flares only)	Y	C	
9-1-302	General Emission Limitations (applies to Flares only)	Y	C	
BAAQMD Regulation 9, Rule 2	**Inorganic Gaseous Pollutants – Hydrogen Sulfide (10/6/99)**			
9-2-301	Limitations on Hydrogen Sulfide	Y	C	
40 CFR Part 60, Subpart A	**Standards of Performance for New Stationary Sources – General Provisions (9/13/10)**			
60.4	Address	Y	C	
60.4(b)	Requires Submission of Requests, Reports, Applications, and Other Correspondence to the Administrator	Y	C	
60.7	Notification and Record Keeping	Y	C	
60.8	Performance Tests	Y	C	
60.11	Compliance with Standards and Maintenance Requirements	Y	C	
60.11(a)	Compliance determined by performance tests	Y	C	
60.11(d)	Control devices operated using good air pollution control practice	Y	C	
60.12	Circumvention	Y	C	
60.13	Monitoring Requirements	Y	C	
60.13(a)	Applies to all continuous monitoring systems	Y	C	
60.13(b)	Monitors shall be installed and operational before performing performance tests	Y	C	
60.13(e)	Continuous monitors shall operate continuously	Y	C	
60.13(f)	Monitors shall be installed in proper locations	Y	C	

Compliance Certification Report

Site #: A2039
Address: 3675 Potrero Hills Lane
Source #: S-1, S-202, S-203

Site Name: Potrero Hills Landfill
City: Suisun
Source Name: MSW Landfill - Waste Decomposition Process with LFG Collection System (S-1), abated by Flare (A-2) and Flare (A-4), Waste and Cover Material Dumping (S-202), Excavating, Bulldozing, and Compacting Activities (S-203)

Reporting Period: 08/01/2022 to 07/31/2023
Zip Code: 94585

Applicable Requirement	Regulation Title or Description of Requirement	Compliance (Y/N)	Continuous or Intermittent	Comments
60.13(g)	Requires multiple monitors for multiple stacks	Y	C	
60.14	Modification	Y	C	
60.15	Reconstruction	Y	C	
60.19	General Notification and Reporting Requirements	Y	C	
40 CFR Part 60, Subpart Cc	**Standards of Performance for New Stationary Sources – Emission Guidelines and Compliance Times for Municipal Solid Waste Landfills (2/24/99)**			
60.36c	Compliance Times	Y	C	
60.36c(a)	Collection and Control Systems in Compliance by 30 months after Initial NMOC Emission Rate Report Shows NMOC Emissions $\geq$ 50 MG/year	Y	C	
40 CFR Part 62, Subpart F	**Approval and Promulgation of State Plans for Designated Facilities and Pollutants (4/20/06)**			
62.1100	Identification of Plan	Y	C	
62.1115	Identification of Sources – Existing Municipal Solid Waste Landfills	Y	C	
40 CFR Part 63, Subpart A	**National Emission Standards for Hazardous Air Pollutants: General Provisions (9/13/10)**			
63.4	Prohibited activities and circumvention	Y	C	
63.5	Preconstruction review and notification requirements	Y	C	
63.5(b)	Requirements for existing, newly constructed, and reconstructed sources	Y	C	
63.6	Compliance with standards and maintenance requirements	Y	C	
63.6(e)	Operation and maintenance requirements and SSM Plan	Y	C	
63.6(f)	Compliance with non-opacity emission standards	Y	C	
63.10	Recordkeeping and reporting requirements	Y	C	
63.10(b)	General recordkeeping requirements	Y	C	

Compliance Certification Report

Site #: A2039
Address: 3675 Potrero Hills Lane
Source #: S-1, S-202, S-203

Site Name: Potrero Hills Landfill
City: Suisun
Source Name: MSW Landfill - Waste Decomposition Process with LFG Collection System (S-1), abated by Flare (A-2) and Flare (A-4), Waste and Cover Material Dumping (S-202), Excavating, Bulldozing, and Compacting Activities (S-203)

Reporting Period: 08/01/2022 to 07/31/2023
Zip Code: 94585

Applicable Requirement	Regulation Title or Description of Requirement	Compliance (Y/N)	Continuous or Intermittent	Comments
63.10(b)(2)	For affected sources, maintain relevant records of	Y	C	
63.10(b)(2)(i-v)	Records for startup, shutdown, malfunction, and maintenance	Y	C	
63.10(d)	General reporting requirements	Y	C	
63.10(d)(5)	Startup, Shutdown, and Malfunction (SSM) Reports	Y	C	
40 CFR Part 63, Subpart AAAA	**National Emission Standards for Hazardous Air Pollutants: Municipal Solid Waste Landfills (4/20/06)**			
63.1945	When do I have to comply with this subpart?	Y	C	
63.1945(b)	Compliance date for existing affected landfills	Y	C	
63.1955	What requirements must I meet?	Y	C	
63.1955(a)	Comply with either 63.1955(a)(1) or (a)(2)	Y	C	
63.1955(a)(2)	Comply with State Plan that implements 40 CFR Part 60, Subpart Cc	Y	C	
63.1955(b)	Comply with 63.1960-63.1985, if a collection and control system is required by 40 CFR Part 60, Subpart WWW or a State Plan implementing 40 CFR Part 60, Subpart Cc	Y	C	
63.1955(c)	Comply with all approved alternatives to standards for collection and control systems plus all SSM requirements and 6 month compliance reporting requirements	Y	C	
63.1960	How is compliance determined?	Y	C	
63.1965	What is a deviation?	Y	C	
63.1975	How do I calculate the 3-hour block average used to demonstrate compliance?	Y	C	
63.1980	What records and reports must I keep and submit?	Y	C	

Compliance Certification Report

Site #: A2039
Address: 3675 Potrero Hills Lane
Source #: S-1, S-202, S-203

Site Name: Potrero Hills Landfill
City: Suisun
Source Name: MSW Landfill - Waste Decomposition Process with LFG Collection System (S-1), abated by Flare (A-2) and Flare (A-4), Waste and Cover Material Dumping (S-202), Excavating, Bulldozing, and Compacting Activities (S-203)

Reporting Period: 08/01/2022 to 07/31/2023
Zip Code: 94585

Applicable Requirement	Regulation Title or Description of Requirement	Compliance (Y/N)	Continuous or Intermittent	Comments
63.1980(a)	Comply with all record keeping and reporting requirements in 40 CFR Part 60, Subpart WWW or the State Plan implementing 40 CFR Part 60, Subpart Cc, except that the annual report required by 40 CFR 60.757(f) must be submitted every 6 months	Y	C	
63.1980(b)	Comply with all record keeping and reporting requirements in 40 CFR Part 60, Subpart A and 40 CFR Part 63, Subpart A, including SSM Plans and Reports	Y	C	
BAAQMD Condition #1948				
Part 1	Design capacity and waste acceptance rate limits (Regulations 2-1-301 and 2-1-234)	Y	I (see following comment)	Design capacity limits have been exceeded while Potrero awaits permit for landfill expansion. Note that Potrero has provided documentation (per Conditions 1948, #1b and #1c) demonstrating that 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 nine times, and the current Agreement expires on June 17, 2024.
Part 2	Acceptance criteria for soils containing VOCs (Regulation 8-40-301)	Y	C	
Part 3	Emission limit for low VOC soils (Regulation 8-2-301)	Y	C	
Part 4	Particulate emission control measures (Regulations 2-1-403, 6-301, and 6-305)	Y	C	
Part 5	Control requirements for collected landfill gas (Regulation 8-34-301)	Y	C	
Part 6	Landfill gas collection system description and operating requirements (Regulations 2-1-301, 8-34-301.1, 8-34-303, 8-34-304, and 8-34-305)	Y	C	
Part 7	Landfill gas collection system operating requirements (Regulation 8-34-301.1)	Y	C	

Compliance Certification Report

Site #: A2039
Address: 3675 Potrero Hills Lane
Source #: S-1, S-202, S-203

Site Name: Potrero Hills Landfill
City: Suisun
Source Name: MSW Landfill - Waste Decomposition Process with LFG Collection System (S-1), abated by Flare (A-2) and Flare (A-4), Waste and Cover Material Dumping (S-202), Excavating, Bulldozing, and Compacting Activities (S-203)

Reporting Period: 08/01/2022 to 07/31/2023
Zip Code: 94585

Applicable Requirement	Regulation Title or Description of Requirement	Compliance (Y/N)	Continuous or Intermittent	Comments
Part 8	Flare heat input limits (Regulation 2-1-301)	Y	C	
Part 9	Flare temperature limit (Regulation 8-34-301.3)	Y	C	
Part 10	Landfill gas sulfur content limit and monitoring requirements (Regulation 9-1-302)	Y	C	
Part 11	Annual source test (Regulations 2-1-301, 8-34-301.3 and 8-34-412, 9-1-302)	Y	C	
Part 12	Annual landfill gas characterization test (Regulations 2-5-302 and 8-34-412)	Y	C	
Part 13	Record keeping requirements (Cumulative Increase and Regulations 2-1-301, 2-6-501, 6-1-301, 6-1-305, 8-2-301, 8-34-301, 8-34-304, and 8-34-501, and 9-1-302)	Y	C	
Part 14	Waste Acceptance and Handling Requirements (basis: Regulation 2-1-403)	Y	C	
Part 15	Reporting periods and due dates for the Regulation 8, Rule 34 annual report (Regulation 8-34-411 and 40 CFR Part 63.1980(a))	Y	C	
Part 16	Hydrogen sulfide monitoring (Regulation 9-2-301)	Y	C	
Part 17	NOx limit for A-4	Y	C	
Part 18	CO limit for A-4	Y	C	
Part 19	Combined CO limit for A-2 and A-4	Y	C	
Part 20	Source Testing of A-4	Y	C	
Part 21	Alternate Wellhead Temperatures	Y	C	

Compliance Certification Report

Site #: A2039
Address: 3675 Potrero Hills Lane
Source #: S-13

Site Name: Potrero Hills Landfill
City: Suisun
Source Name: Diesel IC Engine for Power Generation

Reporting Period: 08/01/2022 to 07/31/2023
Zip Code: 94585

Applicable Requirement	Regulation Title or Description of Requirement	Compliance (Y/N)	Continuous or Intermittent	Days out of compliance / Comments
BAAQMD Regulation 6, Rule 1	**Particulate Matter – General Requirements (12/5/07)**			
6-1-303	Ringelmann No. 2 Limitation	Y	C	Generator engine S-13 no longer in service; not operated during reporting period
6-1-303.1	Internal combustion engines below 1500 cubic inches displacement or standby engines	Y	C	"
6-1-305	Visible Particles	Y	C	"
6-1-310	Particulate Weight Limitation	Y	C	"
6-1-401	Appearance of Emissions	Y	C	"
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/98)**			
6-303	Ringelmann No. 2 Limitation	Y	C	"
6-303.1	Internal combustion engines below 1500 cubic inches displacement or standby engines	Y	C	"
6-305	Visible Particles	Y	C	"
6-310	Particulate Weight Limitation	Y	C	"
6-401	Appearance of Emissions	Y	C	"
BAAQMD Regulation 9, Rule 1	**Inorganic Gaseous Pollutants – Sulfur Dioxide (3/15/1995)**			
9-1-301	Limitations on Ground Level Concentrations	Y	C	"
9-1-304	Liquid and Solid Fuels	Y	C	"
BAAQMD Regulation 9, Rule 8	**Inorganic Gaseous Pollutants – Nitrogen Oxides and Carbon Monoxide from Stationary Internal Combustion Engines (7/25/07)**			
9-8-304	Emission Limits – Compression-Ignition Engines	Y	C	"
9-8-304.2	Emission Limits – Compression-Ignition Engines >175bhp	Y	C	"

Compliance Certification Report

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Address: 3675 Potrero Hills Lane
City: Suisun
Zip Code: 94585
Source #: S-13
Source Name: Diesel IC Engine for Power Generation

Applicable Requirement	Regulation Title or Description of Requirement	Compliance (Y/N)	Continuous or Intermittent	Days out of compliance / Comments
9-8-305	Emission Limits – Delayed Compliance, Existing Compression-Ignition Engines, Model Year 1996 or Later	Y	C	"
9-8-401	Compliance Schedule	Y	C	"
9-8-402	Reporting Requirements for Delayed Compliance	Y	C	"
9-8-501	Initial Demonstration of Compliance	Y	C	"
9-8-502	Recordkeeping	Y	C	"
9-8-503	Quarterly Demonstration of Compliance	Y	C	"
SIP Regulation 9, Rule 8	**Inorganic Gaseous Pollutants – Nitrogen Oxides and Carbon Monoxide from Stationary Internal Combustion Engines (12-15-97)**			
9-8-110	Exemptions	Y	C	"
9-8-110.2	Exemption- engines fired exclusively by liquid fuels	Y	C	"
40 CFR, Part 63, Subpart ZZZZ	**National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (6/15/04)**			
63.6585	Applicability	Y	C	"
63.6590	Affected sources	Y	C	"
63.6595	Compliance dates	Y	C	"
63.6595(a)	Affected Sources	Y	C	"
63.6595(a)(1)	Compliance times for existing stationary CI RICE located at an area source	Y	C	"
63.6603	Emission limitations and operating limitations	Y	C	"
63.6603(a)	Comply with requirements in Table 2d.1	Y	C	"
63.6605	General compliance requirements	Y	C	"
63.6605(a)	Comply with emission limitations and operating requirements at all times	Y	C	"
63.6605(b)	Operate safely using good air pollution control practices to minimize emissions	Y	C	"

Compliance Certification Report

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Reporting Period: 08/01/2022 to 07/31/2023
Zip Code: 94585

Applicable Requirement	Regulation Title or Description of Requirement	Compliance (Y/N)	Continuous or Intermittent	Days out of compliance / Comments
63.6612	Initial performance/compliance demonstration deadlines	Y	C	"
63.6615	Subsequent performance test dates	Y	C	"
63.6620	Performance test procedures	Y	C	"
63.6625	Monitoring, installation, collection, operation, and maintenance requirements	Y	C	"
63.6625(e)	Operate and maintain the RICE and any required control devices in accordance with manufacturer specifications and maintenance plans	Y	C	"
63.6625(h)	Minimize idle and start-up times	Y	C	"
63.6625(i)	Comply with oil change frequency in Table 2d. I or comply with oil analysis requirements and maintenance plan to extend this oil change frequency.	Y	C	"
63.6630	How do I demonstrate initial compliance with emission limitations and operating limitations?	Y	C	"
63.6635	How do I monitor and collect data to demonstrate continuous compliance?	Y	C	"
63.6640	How do I demonstrate continuous compliance with the emission limitations and operating limitations?	Y	C	"
63.6640(a)	Demonstrate continuous compliance according to methods specified in Table 6: Operate engine in accordance with manufacturer instructions or develop and follow your own plan for minimizing emissions.	Y	C	"
63.6640(b)	Report each instance of non-compliance with an emission or operating limitation from Table 2d: Operate engine in accordance with manufacturer instructions or develop and follow your own plan for minimizing emissions.	Y	C	"
63.6640(e)	Report each instance of non-compliance with the applicable general provisions specified in Table 8	Y	C	"
63.6645	Required notifications and deadlines	Y	C	"

Compliance Certification Report

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Source #: S-13
Source Name: Diesel IC Engine for Power Generation

Applicable Requirement	Regulation Title or Description of Requirement	Compliance (Y/N)	Continuous or Intermittent	Days out of compliance / Comments
63.6650	Required reports and deadlines	Y	C	"
63.6650(f)	Report all deviations in semi-annual Title V reports and in accordance with all Title V reporting requirements	Y	C	"
63.6655	**Records**			
63.6655(a)	Keep records required by (a)(1-5) of this section	Y	C	"
63.6655(d)	Keep records required in Table 6 (see Table 6-9)	Y	C	"
63.6655(e)	Keep records of maintenance conducted	Y	C	"
63.6660	**Record format and retention**			
63.6660(a)	Maintain records in a suitable format and have readily available	Y	C	"
63.6660(b)	Retain for at least 5 years	Y	C	"
63.6660(c)	Keep records accessible for 5 years	Y	C	"
63.6665	Applicable general provisions	Y	C	"
Table 2d	Requirements for Existing Stationary RICE located at Area Sources of HAP Emissions	Y	C	"
Table 6	Continuous Compliance with Emission Limitations, Operating Limitations, Work Practices, and Management Practices	Y	C	"
Table 8	Applicability of General Provisions to Subpart ZZZZ	Y	C	"
CCR, Title 17, Section 93115	**Airborne Toxic Control Measure for Stationary Compression Ignition Engines (5/19/11)**	Y	C	"
§93115.2	ATCM for Stationary CI Engines - Applicability	Y	C	"
§93115.2(b)	This ATCM applies to any person who owns or operates a stationary CI engine in California with a rated power of > 50 bhp	Y	C	"
§93115.5	Fuel and Fuel Additive Requirements for New and In-Use Stationary CI Engines That Have a Rated Brake Horsepower of Greater Than (>50 bhp)	Y	C	"
§93115.5(a)	For New Stationary CI Engines or In-Use Prime Stationary CI Engines	Y	C	"

Compliance Certification Report

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Reporting Period: 08/01/2022 to 07/31/2023
Zip Code: 94585

Applicable Requirement	Regulation Title or Description of Requirement	Compliance (Y/N)	Continuous or Intermittent	Days out of compliance / Comments
§93115.7	Stationary Prime Diesel-Fueled CI Engine (>50 bhp) Emission Standards	Y	C	"
§93115.7(b)	In-Use Stationary Prime Diesel-Fueled CI Engine (>50 bhp) Emission Standards	Y	C	"
§93115.7(b)(1)	Diesel PM Standard	Y	C	"
§93115.7(b)(2)	Additional Standards (NO, CO, NMHC)	Y	C	"
§93115.10	**Recordkeeping, Reporting and Monitoring Requirements**			
§93115.10(a)	Reporting Requirements for Owners and Operators of New and In-Use Stationary CI Engines >50 bhp	Y	C	"
§93115.10(c)	Demonstration of Compliance with Emission Limits	Y	C	"
§93115.10(c)(2)	Owners and Operators of In-Use Engines Shall Prove Emissions and Operational Data to Demonstrate Compliance	Y	C	"
§93115.10(e)	Monitoring Equipment	Y	C	"
§93115.10(e)(1)	Non-resettable Hour Meter Requirements	Y	C	"
§93115.10(e)(2)	Back pressure monitor requirements for DPFs	Y	C	"
§93115.10(e)(3)	Other monitoring may be required by the APCO for other control strategies	Y	C	"
§93115.11	Compliance Schedule for Owners or Operators of Three or Fewer Engines (>50 bhp) Within a District	Y	C	"

Compliance Certification Report

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Reporting Period: 08/01/2022 to 07/31/2023
Zip Code: 94585

Applicable Requirement	Regulation Title or Description of Requirement	Compliance (Y/N)	Continuous or Intermittent	Days out of compliance / Comments
§93115.11(b)	Compliance Schedule for Owners not Reducing Operating Hours	N	C	“
§93115.13	Compliance Demonstration	N	C	“
§93115.14	Test Methods	Y	C	“
§93115.15	Severability	Y	C	“
BAAQMD Condition #18996				
Part 1	Low sulfur fuel requirement, demonstration of sulfur content (Cumulative Increase, and Regulation 9-1-304)	Y	C	“
Part 2	Observation of emissions during operation of source (Regulations 2-1-403 and 6-303 and 6-1-401)	Y	C	“

Compliance Certification Report

Site #: A2039
Site Name: Potrero Hills Landfill
Reporting Period: 08/01/2022 to 07/31/2023
Address: 3675 Potrero Hills Lane
City: Suisun
Zip Code: 94585
Source #: S-14
Source Name: Non-Retail Gasoline Dispensing Facility G#11138

Applicable Requirement	Regulation Title or Description of Requirement	Compliance (Y/N)	Continuous or Intermittent	Days out of compliance / Comments
BAAQMD Regulation 8, Rule 5	**Organic Compounds, Storage of Organic Liquids (10/18/06)**			
8-5-116	Exemption, Gasoline Storage Tanks at Gasoline Dispensing Facilities	Y	C	
SIP Regulation 8, Rule 5	**Organic Compounds, Storage of Organic Liquids (6/5/03)**			
8-5-206	Gas Tight	Y	C	
8-5-301	Storage Tank Control Requirements	Y	C	
8-5-303	Requirements for Pressure Vacuum Valves	Y	C	
8-5-303.1	Pressure Setting	Y	C	
8-5-303.2	Gas Tight	Y	C	
8-5-403	Inspection Requirements for Pressure Vacuum Valves	Y	C	
8-5-501	Records	Y	C	
8-5-501.1	Types and amounts of materials stored	Y	C	
8-5-503	Portable Hydrocarbon Detector	Y	C	
BAAQMD Regulation 8, Rule 7	**Organic Compounds, Gasoline Dispensing Facilities (11/6/02)**			
8-7-113	Tank Gauging and Inspection Exemption	Y	C	
8-7-114	Stationary Tank Testing Exemption	Y	C	
8-7-116	Periodic Testing Requirements Exemption	Y	C	
8-7-301	Phase I Requirements	Y	C	
8-7-301.1	Requirements for Transfers into Stationary Tanks, Cargo Tanks, and Mobile Refuelers	Y	C	
8-7-301.2	CARB Certification Requirements	Y	C	

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Reporting Period: 08/01/2022 to 07/31/2023
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Applicable Requirement	Regulation Title or Description of Requirement	Compliance (Y/N)	Continuous or Intermittent	Days out of compliance / Comments
8-7-301.3	Submerged Fill Pipe Requirement	Y	C	. “
8-7-301.5	Maintenance and Operating Requirement	Y	C	
8-7-301.6	Leak-Free and Vapor Tight Requirement for Components	Y	C	
8-7-301.7	Fitting Requirements for Vapor Return Line	Y	C	
8-7-301.8	Coaxial Phase I Systems Certified by CARB prior to January 1, 1994 may not be installed on New or Modified Systems	Y	C	
8-7-301.9	Anti-rotational Coupler or Swivel Adapter Required	Y	C	
8-7-301.10	Vapor Recovery Efficiency Requirements for New and Modified Systems	Y	C	
8-7-301.12	Spill Box Drain Valve Limitation	Y	C	
8-7-301.13	Annual Vapor Tightness Test Requirement	Y	C	
8-7-302	Phase II Requirements	Y	C	
8-7-302.1	Requirements for Transfers into Motor Vehicle Fuel Tanks	Y	C	
8-7-302.2	Maintenance Requirement	Y	C	
8-7-302.3	Proper Operation and Free of Defects Requirements	Y	C	
8-7-302.4	Repair Time Limit for Defective Components	Y	C	
8-7-302.5	Leak-Free and Vapor Tight Requirement for Components	Y	C	
8-7-302.6	Requirements for Bellows Nozzles	Y	C	
8-7-302.7	Requirements for Vapor Recovery Nozzles on Balance Systems	Y	C	
8-7-302.8	Minimum Liquid Removal Rate	Y	C	
8-7-302.9	Coaxial Hose Requirement	Y	C	
8-7-302.10	Construction Materials Specifications	Y	C	
8-7-302.12	Liquid Retain Limitation	Y	C	
8-7-302.13	Nozzle Spitting Limitation	Y	C	
8-7-302.14	Annual Back Pressure Test Requirements for Balance Systems	Y	C	

Compliance Certification Report

Site #: A2039
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Source #: S-14
Source Name: Non-Retail Gasoline Dispensing Facility G#11138

Applicable Requirement	Regulation Title or Description of Requirement	Compliance (Y/N)	Continuous or Intermittent	Days out of compliance / Comments
8-7-302.15	Annual Testing Requirements for Vacuum Assist Systems	Y	C	
8-7-303	Topping Off	Y	C	
8-7-304	Certification Requirements	Y	C	
8-7-306	Prohibition of Use	Y	C	
8-7-307	Posting of Operating Instructions	Y	C	
8-7-308	Operating Practices	Y	C	
8-7-309	Contingent Vapor Recovery Requirement	Y	C	
8-7-313	Requirements for New or Modified Phase II Installations	Y	C	
8-7-314	Hold Open Latch Requirements	Y	C	
8-7-316	Pressure Vacuum Valve Requirements, Aboveground Storage Tanks and Vaulted Below Grade Storage Tanks	Y	C	
8-7-401	Equipment Installation and Modification	Y	C	
8-7-406	Testing Requirements, New and Modified Installations	Y	C	
8-7-407	Periodic Testing Requirements	Y	C	
8-7-408	Periodic Testing Notification and Submission Requirements	Y	C	
8-7-501	Burden of Proof	Y	C	
8-7-502	Right of Access	Y	C	
8-7-503	Recordkeeping Requirements	Y	C	
8-7-503.1	Gasoline Throughput Records	Y	C	
8-7-503.2	Maintenance Records	Y	C	
8-7-503.3	Records Retention Time	Y	C	
40 CFR Part 63, Subpart A	**National Emission Standards for Hazardous Air Pollutants-General Provisions (9/13/10)**			
63.4	Prohibited activities and circumvention	Y	C	
63.5	Preconstruction review and notification requirements	Y	C	

Compliance Certification Report

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Source #: S-14

Site Name: Potrero Hills Landfill
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Reporting Period: 08/01/2022 to 07/31/2023
Zip Code: 94585

Applicable Requirement	Regulation Title or Description of Requirement	Compliance (Y/N)	Continuous or Intermittent	Days out of compliance / Comments
63.5(b)	Requirements for existing, newly constructed, and reconstructed sources	Y	C	
63.6	Compliance with standards and maintenance requirements	Y	C	
63.8	Monitoring requirements	Y	C	
63.10	Record keeping and reporting requirements	Y	C	
63.10(b)	General record keeping requirements	Y	C	
63.10(c)	Additional record keeping requirements for sources with continuous monitoring systems	Y	C	
63.10(d)	General reporting requirements	Y	C	
63.10(e)	Additional reporting requirements for sources with continuous monitoring systems	Y	C	
40 CFR Part 63, Subpart CCCCCC	**National Emission Standards for Hazardous Air Pollutants for Gasoline Dispensing Facilities (1/24/2011)**			
63.11110	What is the purpose of this subpart?	Y	C	
63.11111	Am I Subject to the requirements in this subpart	Y	C	
63.11111(a)	Each GDF that is located at an area source	Y	C	
63.11111(c)	Monthly throughput of 10,000 gallons of gasoline or more subject to 63.11117	Y	C	
63.11111(e)	Demonstrate their monthly throughput level as specified in 63.11112(d)	Y	C	
63.11111(i)	If throughput ever exceeds an applicable throughput threshold, the affected source will remain subject to the requirements for sources above the threshold	Y	C	
63.11112	What parts of my affected source does this subpart cover?	Y	C	
63.11112(a)	Gasoline storage tanks and associated equipment compounds in vapor or liquid gasoline service	Y	C	

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Source #: S-14
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Applicable Requirement	Regulation Title or Description of Requirement	Compliance (Y/N)	Continuous or Intermittent	Days out of compliance / Comments
63.11112(d)	An affected source is an existing affected source if it is not new or reconstructed	Y	C	
63.11113	When do I have to comply with this subpart?	Y	C	
63.11113(b)	Existing sources: January 10, 2011	Y	C	
63.11113(c)	If affected source becomes subject to control requirements in this subpart because of monthly throughput increases per 63.11111(c), you must comply with standard no later than 3 years after the affected source is subject to control requirements	Y	C	
63.11113(e)	Initial compliance demonstration test	Y	C	
63.11113(e)(2)	For existing affected source, you must conduct the initial compliance test as specified in paragraphs (e)(2)(i)	Y	C	
63.11113(e)(2)(i)	For vapor balance systems installed on or before December 15, 2009, you must test no later than 180 days after the applicable compliance date specified in paragraph c of this section.	Y	C	
63.11115	What are my general duties to minimize emissions?	Y	C	
63.1115(a)	Operate and maintain affected source safety and to minimize emissions.	Y	C	
63.1115(b)	Keep applicable records and submit reports as specified in 63.11125(d) and 63.11126(b)	Y	C	
63.11116	Requirements for facilities with monthly throughput of less than 10,000 gallons of gasoline	Y	C	
63.11116(a)	Gasoline handling requirements	Y	C	
63.11116(a)(1)	Minimize gasoline spills	Y	C	
63.11116(a)(2)	Clean up spills as expeditiously as practicable	Y	C	
63.11116(a)(3)	Cover all open gasoline containers and all gasoline storage tank fill-pipes with a gasketed seal when not in use	Y	C	

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Source Name: Non-Retail Gasoline Dispensing Facility G#11138

Applicable Requirement	Regulation Title or Description of Requirement	Compliance (Y/N)	Continuous or Intermittent	Days out of compliance / Comments
63.11116(a)(4)	Minimize gasoline sent to open waste collection systems that collect and transport gasoline to reclamation and recycling devices-such as oil/water separators	Y	C	
63.11117	Requirements for facilities with monthly throughput of 10,000 gallons of gasoline or more	Y	C	
63.11117(a)	Comply with the requirements in section 63.11116(a)	Y	C	
63.11117(b)	Only load gasoline into storage tanks utilizing submerged filling as defined in 63.11132 and as specified below	Y	C	
63.11117(b)(1)	Submerged fill pipes installed on or before November 9, 2006 must be no more than 12 inches from the bottom of the tank	Y	C	
63.11117(d)	Throughput records available within 24 hours	Y	C	
63.11117(e)	You must submit the applicable notification as specified in 63.11124(a)	Y	C	
63.11117(f)	You must comply with the requirements of this subpart by the applicable dates contained in 63.11113	Y	C	
63.11124	What notifications must I submit and when?	Y	C	
63.11124(a)	If subject to the control requirements in Section 63.11117, you must comply with (a)(1-3)	Y	C	
63.11124(a)(3)	Waiver of notification requirements if operating incompliance with a local or state requirement	Y	C	
63.11125	What are my recordkeeping requirements?	Y	C	
63.11125(d)	Keep records as specified in paragraphs (d)(1) and (d)(2) of this section	Y	C	
63.11125(d)(1)	Records of the occurrence and duration of each malfunction of operation or of air pollution control and monitoring equipment	Y	C	

Compliance Certification Report

Site #: A2039
Address: 3675 Potrero Hills Lane
Source #: S-14

Site Name: Potrero Hills Landfill
City: Suisun
Source Name: Non-Retail Gasoline Dispensing Facility G#11138

Reporting Period: 08/01/2022 to 07/31/2023
Zip Code: 94585

Applicable Requirement	Regulation Title or Description of Requirement	Compliance (Y/N)	Continuous or Intermittent	Days out of compliance / Comments
63.11125(d)(2)	Records of actions taken during periods of malfunction to minimize emissions in accordance with Section 63.1115(a)	Y	C	
63.11126	What are my reporting requirements?	Y	C	
63.11126(b)	Each owner or operator of an affected source under this subpart shall report by March 15 of each year, the number, duration and a brief description of each type of malfunction which occurred during the previous calendar year and which caused any applicable emission limitation to be exceeded.	Y	C	
63.11130	What parts of the General Provisions apply to me?	Y	C	
Table 3 to Subpart CCCCCC of Part 63	Applicability of General Provisions	Y	C	
BAAQMD Condition #14098	**Gasoline Throughput Limit (Toxic Risk Management Policy)**	Y	C	
BAAQMD Condition #25107	**Static Pressure Performance Test (Regulation 8-7-407)**	Y	C	
State of California, Air Resources Board, Executive Order G-70-142-B	**Certification of a Phase I Vapor Recovery System for Aboveground Gasoline Storage Tanks (9/9/94)**			
Paragraph 11	Applicability of Order	Y	C	
Paragraph 12	Requirements for Phase I Components	Y	C	

Compliance Certification Report

Site #: A2039
Address: 3675 Potrero Hills Lane
Source #: S-14

Site Name: Potrero Hills Landfill
City: Suisun
Source Name: Non-Retail Gasoline Dispensing Facility G#11138

Reporting Period: 08/01/2022 to 07/31/2023
Zip Code: 94585

Applicable Requirement	Regulation Title or Description of Requirement	Compliance (Y/N)	Continuous or Intermittent	Days out of compliance / Comments
Paragraph 13	Requirements for Fuel Delivery Components	Y	C	
Paragraph 14	Requirement to Comply with Local Air District Rules	Y	C	
Paragraph 15	Requirement to Comply with Local Fire Official's Requirements	Y	C	
Paragraph 16	Leak Free Equipment and Fittings	Y	C	
Paragraph 17	Requirement to Comply with Other Specified Rules and Regulations	Y	C	
Paragraph 18	Prohibition on Alteration of Equipment, Parts, Design, or Operation	Y	C	
Paragraph 19	This Order Supersedes EO G-70-142-A (11/19/92)	Y	C	
State of California, Air Resources Board, Executive Order G-70-125-AA	**Modification of the Certification of the Husky Model V Phase II Vapor Balance System (3/16/93)**			
Paragraph 8	Applicability of Order	Y	C	
Paragraph 9	Requirements for Components	Y	C	
Paragraph 10	Requirements for Installation	Y	C	
Paragraph 11	Limit on Dispensing Rate	Y	C	
Paragraph 12	Requirement for Use with all Vehicles	Y	C	
Paragraph 13	Requirement to Comply with Department of Food and Agriculture, State Fire Marshall's Office, and OSHA	Y	C	
Paragraph 14	Performance Criterion	Y	C	
Paragraph 15	Prohibition on Alteration of Equipment, Parts, Design, or Operation	Y	C	
Paragraph 16	Requirement to Operate in Accordance with Manufacturer's Recommendations	Y	C	
Paragraph 17	Requirement for Performance Check	Y	C	

POTRERO HILLS LANDFILL, INC.

TITLE V SEMI-ANNUAL MONITORING REPORT

SITE: POTRERO HILLS LANDFILL	**FACILITY** ID#: A2039
REPORTING PERIOD: *from* 02/01/2023	*through* 07/31/2023

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

Date 8/31/2023

Kevin lier
Name of Responsible Official (please print)

Site 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* 02/01/2023	*through* 07/31/2023

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* 02/01/2023 *through* 07/31/2023

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* 02/01/2023 *through* 07/31/2023

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
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	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* 02/01/2023 *through* 07/31/2023

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* 02/01/2023 *through* 07/31/2023

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 ° C	Intermittent	HOV requests for 18 wells, (PHL2004D, PHL2118D, PHL2120D, PHHC1406, PHL1803S, PHL1804D, PHL2010D, PHL2013D, PHL2102S, PHL2119D, PHL2121D, PHL2121S, PHL2124D, PHLF1916, PHL2012D, PHL2016S, PHL2104S, and PHL2104D) have been pending since May 6, 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* 02/01/2023 *through* 07/31/2023

Type of Limit or Criteria	Monitoring Requirement Citation	Monitoring Type	Monitoring Frequency	Citation of Limit	Limit	Compliance	Corrective Actions Taken
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
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 °F (< 63 °C) AND N_2 < 10% 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* 02/01/2023 *through* 07/31/2023

Type of Limit or Criteria	Monitoring Requirement Citation	Monitoring Type	Monitoring Frequency	Citation of Limit	Limit	Compliance	Corrective Actions Taken
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
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

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* 02/01/2023 *through* 07/31/2023

Type of Limit or Criteria	Monitoring Requirement Citation	Monitoring Type	Monitoring Frequency	Citation of Limit	Limit	Compliance	Corrective Actions Taken
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
TOC (Total Organic Com-pounds 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

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* 02/01/2023 *through* 07/31/2023

Type of Limit or Criteria	Monitoring Requirement Citation	Monitoring Type	Monitoring Frequency	Citation of Limit	Limit	Compliance	Corrective Actions Taken
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
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	≥ 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

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* 02/01/2023 *through* 07/31/2023

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 $\geq$ 1504 °F, averaged over any 3-hour period (applies to A-2 Flare 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 ≥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	$\leq$ 15 pounds/day or $\leq$ 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

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* 02/01/2023 *through* 07/31/2023

Type of Limit or Criteria	Monitoring Requirement Citation	Monitoring Type	Monitoring Frequency	Citation of Limit	Limit	Compliance	Corrective Actions Taken
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
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

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* 02/01/2023 *through* 07/31/2023

Type of Limit or Criteria	Monitoring Requirement Citation	Monitoring Type	Monitoring Frequency	Citation of Limit	Limit	Compliance	Corrective Actions Taken
FP	None	N/A	None	SIP 6-310	≤ 0.15 grains/dscf (applies to A-2 and A-4 Flares only)	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 ≤ 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

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* 02/01/2023 *through* 07/31/2023

Type of Limit or Criteria	Monitoring Requirement Citation	Monitoring Type	Monitoring Frequency	Citation of Limit	Limit	Compliance	Corrective Actions Taken
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
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.

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* 02/01/2023 *through* 07/31/2023

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 nine times, and the current Agreement expires on June 17, 2024.

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* 02/01/2023 *through* 07/31/2023

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 nine times, and the current Agreement expires on June 17, 2024.
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* 02/01/2023 *through* 07/31/2023

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* 02/01/2023 *through* 07/31/2023

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* 02/01/2023 *through* 07/31/2023

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* 02/01/2023 *through* 07/31/2023

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* 02/01/2023 *through* 07/31/2023

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* 02/01/2023 *through* 07/31/2023

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* 02/01/2023 *through* 07/31/2023

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* 02/01/2023 *through* 07/31/2023

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