REPUBLIC SERVICES

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1. ☐ RECEIVED IN ENFORCEMENT: 04/29/2022

April 29, 2022

Director of Compliance and Enforcement
Bay Area Air Quality Management District
375 Beale Street, Suite 600
San Francisco, CA 94105
Attn: Title V Reports

Director of the Air Division
USEPA, Region IX
75 Hawthorne Street
San Francisco, CA 94105
Attn: Air-3

SUBJECT: Combined Title V Semi-Annual and Partial 8-34 Annual Report
40 CFR 63 Subpart AAAA Semi-Annual Report Browning-Ferris Industries of CA, Inc.
12310 San Mateo Road
Half Moon Bay, California 94019
Facility Number A2266

Dear Sir or Madam:

Browning-Ferris Industries of CA, Inc. Landfill (Ox Mountain Landfill) is pleased to submit the attached Semi-Annual Report (SAR) and Partial 8-34 Annual Report for the period of October 1, 2021 through March 31, 2022 to the Bay Area Air Quality Management District (BAAQMD) and the United States Environmental Protection Agency (USEPA), Region IX. As required by 40 Code of Federal Regulations (CFR) Part 63 Subpart AAAA, the Semi-Annual Startup, Shutdown and Malfunction (SSM) Report is also enclosed. The Combined Title V Semi-Annual and Partial 8-34 Annual Report satisfies the requirements of the Title V Permit listed in Title V Permit Condition Number 10164 Part 33 and Standard Condition I.F.

Based on the information and belief formed after reasonable inquiry, the statements and information contained in the document are true, accurate, and complete.

Sincerely,
Browning-Ferris Industries of CA, Inc.

Travis L Armstrong
Responsible Official

Combined Title V Semi-Annual and Partial 8-34 Annual Report

Ox Mountain Landfill

Facility Number A2266

October 1, 2021 through March 31, 2022

APRIL 29, 2022

PRESENTED TO

Browning Ferris Industries of California, Inc.
12310 San Mateo Road
Half Moon Bay, CA 94019

SUBMITTED BY

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REPORT CERTIFICATION

The material and data in this report were prepared under the supervision and direction of the undersigned.

4/29/2022

Nat Israel
Compliance Specialist

Date

4/29/2022

Kendra Kent
Senior Compliance Specialist

Date

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APPENDICES

1.0 INTRODUCTION

1.1 PURPOSE

This document is a Combined Semi-Annual Title V and Partial 8-34 Annual Report (Semi-Annual Report [SAR]) for the Browning-Ferries Industries of California, Inc. (BFIC) Ox Mountain Sanitary Landfill (Ox Mountain) pursuant to Title V Permit Standard Condition 1.F and Condition Number 10164 Part 34. This Combined Report satisfies the requirements of the Bay Area Air Quality Management District's (BAAQMD) Regulation 8, Rule 34, Section 411 and Title 40 Code of Federal Regulations (CFR) Part 60 Subpart WWW, New Source Performance Standards (NSPS) for municipal solid waste (MSW) landfills as referenced in Ox Mountain's Title V Permit. As of June 21, 2021, Ox Mountain is also subject to the partially approved California State Implementation Plan (SIP) and 40 CFR Part 60 Subpart Cf as noted in 40 CFR 62.1115(b)(2) Subpart F. This Combined Report meets the requirements of Title V Standard Condition 1.F, BAAQMD Rule 8-34-411, 40 CFR Section (§) 60.757(f), 40 CFR §60.757(h), 40 CFR §62.16724(h), and the SIP, and covers compliance activities conducted from October 1, 2021 through March 31, 2022. This Combined Report also includes the Semi-Annual Report of Start-up, Shutdown, and Malfunction (SSM) Plan activities pursuant to National Emission Standards for Hazardous Air Pollutants (NESHAP), 40 CFR Part 63, Subpart AAAA for Landfills.

Section 2 of this Combined Report contains the elements required to satisfy BAAQMD 8-34-411, 40 CFR §60.757(f), 40 CFR §62.16724(h), and the SIP. Section 3 of this Combined Report contains a summary of the Performance Test Report requirements, and verifies compliance with BAAQMD Rule 8-34-413, 40 CFR §60.757(g), 40 CFR §60.38f.(i) and (j), the SIP, and Title V Permit Condition Number 10164 Part 31. Section 4 of this Combined Report includes the Semi-Annual Report of the SSM Plan activities pursuant to the NESHAP, 40 CFR Part 63, Subpart AAAA for Landfills.

1.1 RECORD KEEPING AND REPORTING

Records are maintained and available for inspection at Ox Mountain in accordance with BAAQMD Rule 8-34-501.12, 40 CFR §60.758, 40 CFR §39f (i) and (j), and 40 CFR §62.16726 (i) and (j). Records are maintained at this location for a minimum of five years in accordance with federal regulations.

1.2 REPORT PREPARATION

This Combined Report has been prepared by Tetra Tech as authorized by BFIC.

1.3 MAJOR FACILITY REVIEW PERMIT RENEWAL

The current Major Facility Review Permit for BFIC, Title V Permit Number A2266, was issued on May 17, 2021, and expires on May 16, 2026.

2.0 COMBINED MONITORING REPORT

In accordance with Title V Permit Standard Condition 1.F, BAAQMD Rule 8-34-411, 40 CFR §60.757(f) in the 40 CFR §60.757(h), 40 CFR §62.16724(h), and the SIP, this report is a Combined Semi-Annual Title V Report and Partial 8-34 Annual Report that is required to be submitted by BFIC. The report contains monitoring data for the operation of the landfill gas (LFG) collection and control system (GCCS). The operational records have been reviewed and summarized. The timeframe covered by the report is October 1, 2021 through March 31, 2022. The following table lists the rules and regulations that are required to be included in this Combined Report.

Table 2-1. Combined Report Requirements.

Rule	Requirement	Location in Report
8-34-501.1 §60.757(f)(4) §60.38f(h)(4) §62.16724(h)(4)	All collection system downtime, including individual well shutdown times and the reason for the shutdown.	Section 2.1, Appendices C, D & E
8-34-501.2 §60.757(f)(3) §60.38f(h)(3) §62.16724(h)(3)	All emission control system downtime and the reason for the shutdown.	Section 2.2, Appendix D & E
8-34-501.3 8-34-507 §60.757(f)(1) §60.38f(h)(1) §62.16724(h)(1)	Continuous temperature for all operating flares and any enclosed combustor subject to Section 8-34-507.	Section 2.3, Appendix F
8-34-501.4 8-34-510	Monitoring and/or testing performed to satisfy the requirements of the rules.	Section 2.4, Appendix G
8-34-501.6 8-34-503 8-34-506 §60.757(f)(5) §60.38f(h)(5) §62.16724(h)(5)	For operations subject to Section 8-34-503 and 8-34-506, records of all monitoring dates, leaks in excess of the limits in Section 8-34-301.2 or 8-34-303 that are discovered by the operator, including the location of the leak, leak concentration in parts per million by volume (ppmv), date of discovery, the action taken to repair the leak, date of the repair, date of any required re-monitoring, and the re-monitored concentration in ppmv.	Section 2.7 & 2.8, Appendices H & I
8-34-501.7	Annual waste acceptance rate and current amount of waste in-place.	Section 2.9
8-34-501.8	Records of the nature, location, amount, and date of deposition of non-degradable wastes, for any landfill areas excluded from the collection system requirement as documented in the GCCS Design Plan.	Section 2.10
8-34-501.4 8-34-501.9 8-34-505 §60.757(f)(1) §60.38f(h)(3) §62.16724(h)(3)	For operations subject to Section 8-34-505, records of all monitoring dates and any excesses of the limits stated in Section 8-34-305 that are discovered by the operator, including well identification number, the measured excess, the action taken to repair the excess, and the date of repair. Allowed higher operating value (HOV) wells excluded from the limits are listed here as well.	Section 2.11, 2.11.1, 2.11.2, Appendices J & K
8-34-501.10 8-34-508 §60.757(f)(1) §60.38f(h)(3) §62.16724(h)(3)	Continuous gas flow rate and temperature records for any site subject to Section 8-34-508.	Section 2.12, Appendices F and L

8-34-501.12 §60.758 (a) §60.39f(a) §62.16726(a)	The records required above shall be made available and retained for a period of five years.	Section 1.2
§60.757(f)(1) §60.38f(h)(3) §62.16724(h)(3)	Value and length of time for exceedance of parameters monitored per §60.756(a), (b), or (d).	Section 2.3
§60.757(f)(2) §60.38f(h)(2) §62.16724(h)(2)	Description and duration of all periods when the gas stream is diverted from the control device through a bypass line or the indication of bypass flow as specified under §60.756.	Section 2.2.1
§60.757(f)(3) §60.38f(h)(3) §62.16724(h)(3)	Description and duration of all periods when control devices were not operating for more than 1 hour §60.756.	Section 2.2, Appendix E
§60.757(f)(4) §60.38f(h)(4) §62.16724(h)(4)	All periods when collection system was not operating for more than 5 days.	Section 2.2
§60.757(f)(5) §60.38f(h)(5) §62.16724(h)(5)	Location of each surface emission excess and all re-monitoring dates and concentration.	Section 2.7, Appendix H
§60.757(f)(6) §60.38f(h)(6) §62.16724(h)(6)	The date of installation and the location of each well or collection system expansion added pursuant to paragraphs (a)(3), (b), (c)(4) of §60.755.	Section 2.13, Appendices B & C

2.1 COLLECTION SYSTEM OPERATION (BAAQMD 8-34-501.1, §60.757(F)(4), §60.38F(H)(4), & 62.16724(H)(4))

Appendix A contains a map of Ox Mountain's GCCS. Section 2.1.1 includes the GCCS downtime for the reporting period. The information contained in Appendix C includes the individual well start-up and shutdown times and the reason for the SSM events.

2.1.1 Collection System Downtime

Pursuant to BAAQMD 8-34-501.1 and §60.757(f)(4), the GCCS was not shut down for more than five days on any one occasion during the reporting period. There were two instances of a shutdowns greater than one-hour in duration during the reporting period. There were 13.30 hours of GCCS downtime for the reporting period of October 1, 2021 through March 31, 2022. The total downtime for 2021, was 18.57 hours, out of an allowable 240 hours. The total downtime for 2022, as of March 31, 2022, is 2.60 hours, out of an allowable 240 hours. Appendix E contains the GCCS Downtime.

Pursuant to §60.38F(h)(4), & 62.16724(h)(4), the GCCS shut down 12 times during the reporting period. Causes for the GCCS downtime is documented in Appendix E of this report.

2.1.2 Well Start-Up & Disconnection Log

There were 14 wellfield SSM events that occurred during the reporting period. A total of one horizontal collector was decommissioned and one new horizontal collector and four leachate collection risers (LCRS) wells were started up pursuant to BAAQMD Regulation 8-34-117. Well Startup and Decommissioning Notification Letters were submitted on behalf of BFIC to the BAAQMD and are included in Appendix B. See Appendix C, Wellfield SSM Log for details.

2.2 EMISSION CONTROL DEVICE DOWNTIME (BAAQMD 8-34-501.2, §60.757(F)(3), §60.38F(H)(3), & §62.16724(H)(3))

The emission control system consists of three flares (A-7, A-8, and A-9), which all began operation in 2004 and the six Internal Combustion (IC) Engines operated by Ameresco. The six IC Engines are under a separate permit and reporting is done by a third-party.

During the reporting period, there were two instances when the GCCS system had downtime greater than one hour, pursuant to BAAQMD 8-34-501.2 and §60.757(f)(3). The SSM Logs for the A-7, A-8, and A-9 Flares and the IC Engines are located in Appendix D and the GCCS Downtime log is located in Appendix E.

Pursuant to §60.38f(h)(3), & 62.16724(h)(3), there were 28 A-7 Flare Startup, Shutdown, and Malfunction (SSM) events and there were 47 A-9 Flare SSM events for the reporting period. The Ameresco Landfill Gas to Energy (LFGTE) Facility reported 261 SSM events for all six IC engines. The A-8 Flare did not operate during the reporting period. On October 27, 2017, Tetra Tech submitted an application for a change of permit conditions (COPC) requesting the removal of the A-8 Flare from the Ox Mountain Title V Permit. The SSM Logs for the A-7, A-8, and A-9 Flares and the IC Engines are located in Appendix D and the GCCS Downtime log is located in Appendix E.

2.2.1 LFG Bypass Operations (§60.757(f)(2), §60.38f(h)(2), & §62.16724(h)(2))

Title 40 CFR §60.757(f)(2), §60.38f(h)(2), and §62.16724(h)(2), are not applicable at Ox Mountain because a bypass line has not been installed; therefore, LFG cannot be diverted from the control equipment. At no time was raw LFG emitted during the reporting period.

2.3 TEMPERATURE MONITORING RESULTS (BAAQMD 8-34-501.3, 8-34-507, §60.757(F)(1)), §60.38F(H)(1), & §62.16724(H)(1)

There were no temperature deviations during the reporting period. The combustion zone temperatures of the flares are monitored with Thermo-Electric Thermocouples. The temperature is stored with a Yokogawa digital recorder, which is downloaded and archived. Appendix F contains the Flare Flow and Temperature Deviation/ Inoperative Monitor/ Missing Data Reports for October 1, 2021 through March 31, 2022.

2.4 MONTHLY COVER INTEGRITY MONITORING (BAAQMD 8-34-501.4 & 8-34-510)

The cover integrity monitoring was performed on the following dates:

- October 13, 2021;
- November 23, 2021;
- December 22, 2021;
- January 21, 2022;
- February 24, 2022; and
- March 17, 2022.

The Monthly Cover Integrity Monitoring Logs are included in Appendix G.

2.5 LESS THAN CONTINUOUS OPERATION (BAAQMD 8-34-501.5)

Ox Mountain does not currently operate under BAAQMD Regulation 8-34-404 Less Than Continuous Operation (LTCO) and therefore, is not required to submit monthly LFG flow rates for LTCO wells this reporting period.

2.6 COMPLIANCE WITH TITLE V PERMIT CONDITION 10164 PART 18(D)(I)

On October 22, 2015, BFIC submitted a request to the BAAQMD for approval to operate the following wells under 8-34-404, Less than Continuous Operation Petition: LTS-1, LTS-2, LTS-3, LTS-4, LTS-5, LTS-6, LTS-7, LTS-8, LTS-9, LTS-10, LTS-11, and LTS-12. The BAAQMD responded to this request on May 6, 2016 by providing language to the current Title V Permit that the aforementioned wells may operate under LTCO. Tetra Tech, on behalf of BFIC, responded to the BAAQMD on May 24, 2016 that the provided language was acceptable. BFIC received the updated Title V Permit from the BAAQMD on October 14, 2016 containing Permit Condition 10164 Part 18(d)(i) which allows the aforementioned wells to operate less than continuously.

On June 15, 2017, BFIC submitted a request to the BAAQMD for approval to operate the following wells under 8-34-404, Less than Continuous Operation Petition, LTS-13, LTS-14, LTS-15, LTS-16, LTS-17, LTS-18, LTS-19, and LTS-20. The BAAQMD responded to this request on March 8, 2018 by providing updated language to the current Title V Permit. Pursuant to the updated Permit Condition 10164 Part 18, BAAQMD Regulation 8-34-305.3 and 8-34-305.4 shall not apply to the aforementioned wells, provided that the oxygen concentration does not exceed 15-percent by volume. Additionally, Permit Condition 10164 Part 18(d)(i) has been updated to reflect that the aforementioned wells may operate less than continuously.

2.7 SURFACE EMISSIONS MONITORING (BAAQMD 8-34-501.6, 8-34-506, §60.757(F)(5), §60.38F(H)(5), §62.16724(H)(5), & CALIFORNIA CODE OF REGULATIONS (CCR) §95469(A))

During the reporting period the Fourth Quarter 2021 and First Quarter 2022 Instantaneous and Integrated Surface Emission Monitoring (SEM) events were completed. Third Quarter 2021 Instantaneous and Integrated SEM event was also finished and is included in this SAR. The results for the Third Quarter 2021, Fourth Quarter 2021 and First Quarter 2022 SEM events are described below.

- Third Quarter 2021 – The initial monitoring event was completed September 14, 15, 16, and 17, 2021 and there were 43 locations that exceeded the NSPS (Grids) and CCR §95469(A) (LMR) (Grids and Penetrations) instantaneous level of 500 ppmv. There were no exceedances of the LMR integrated threshold limit of 25 ppmv as measured as methane above background. System adjustments and repair work (repair of boreholes, vacuum increases to nearby extraction wells and re-compaction of soil) was performed by site personnel. The subsequent 10-day re-monitoring event which was conducted on September 17, 23, 24, and 27, 2021 indicated that the 39 areas with instantaneous and integrated exceedances had returned to compliance. Therefore, after the initial first 10-day re-monitoring event, four instantaneous locations remained above the LMR thresholds of compliance. The second additional 10-day instantaneous monitoring event took place on October 4, 2021 and revealed the four instantaneous locations remained in exceedance, triggering the 120-day GCCS expansion timeline. Follow-up monitoring to the initial event was conducted within the one-month interval, as required, on October 14, 15, 16, and 17, 2021. All accessible areas of initial exceedance were re-monitored during these times following additional abatement activities by site personnel. After the one-month confirmation re-monitoring event, nine (9) instantaneous locations remained above the LMR thresholds of compliance. The required 10-day re-monitoring event of the nine of the instantaneous locations was completed on October 29, 2021 and none of the locations remained in exceedance.
- Fourth Quarter 2021 – The initial monitoring event was completed on November 16, 17, 18, 30, and December 1, 2021 there were 22 locations that exceeded the NSPS (Grids) and LMR (Grids and

Penetrations) instantaneous level of 500 ppmv. There were two exceedances of the LMR integrated threshold limit of 25 ppmv as measured as methane above background detected. System adjustments and repair work (repair of boreholes, vacuum increases to nearby extraction wells and re-compaction of soil) was performed by site personnel. The subsequent 10-day re-monitoring event which was conducted on November 24, and December 17, 2021 indicated that 21 areas with instantaneous and two integrated exceedances had returned to compliance. After the first 10-day re-monitoring event, one instantaneous location remained above the LMR thresholds of compliance. The second additional 10-day instantaneous monitoring event took place on December 20, 2021 and revealed the one instantaneous location remained in exceedance, triggering the 120-day GCCS expansion timeline. Follow-up monitoring to the initial events were conducted within the one-month interval, as required, on December 18 and 30, 2021. All accessible areas of initial exceedance were re-monitored during these times following additional abatement activities by site personnel. After the one-month confirmation re-monitoring event, all exceedance locations, including the one instantaneous location that remained in exceedance after the second 10-day re-monitoring, were found to be below the LMR thresholds of compliance.

- First Quarter 2022 – The initial monitoring event was completed on February 15, 16, 17, 18, and March 1, 2, and 9, 2022 there were 15 locations that exceeded the NSPS (Grids) and LMR (Grids and Penetrations) instantaneous level of 500 ppmv. There were four exceedances of the LMR integrated threshold limit of 25 ppmv as measured as methane above background detected. System adjustments and repair work (repair of boreholes, vacuum increases to nearby extraction wells and re-compaction of soil) was performed by site personnel. The subsequent 10-day re-monitoring event which was conducted on February 17, 18, 25, and March 1, 2, 9, and 10, 2022 indicated that all 15 areas with instantaneous and the four integrated exceedances had returned to compliance. The one-month confirmation re-monitoring event was completed on March 9 and 10 and all locations were found to be below the NSPS thresholds of compliance.

Refer to the Third Quarter 2021, Fourth Quarter 2021, and First Quarter 2022 SEM Reports located in Appendix H, for detailed results. The Third Quarter 2021 SEM Report is included in this October 1, 2021 through March 2022 SAR as it was not available at the time of the last SAR submittal.

2.8 COMPONENT LEAK TESTING (BAAQMD 8-34-501.6 & 8-34-503, CCR §95465(B)(1)(B))

Quarterly component leak testing, pursuant to BAAQMD Regulation 8-34-301.2 and California Air Resources Board (CARB) §95465(b)(1)(B), occurred during the reporting period on the following dates:

- Fourth Quarter 2021 – October 29 2021, and
- First Quarter 2022 – January 17 and 28, 2022.

Any exceedances of 500 or 1000 ppmv were repaired as required by CARB Title 17 of California Code of Regulations Subchapter 10, Article 4, Subarticle 6, Section 95464(b)(1)(B) and BAAQMD Regulation 8-34-301.2.

The A-8 Flare was not monitored for component leak testing during the Fourth Quarter 2021 and First Quarter 2022 as it was not in operation. On October 27, 2017, Tetra Tech submitted an application for a COPC requesting the removal of the A-8 Flare from the Ox Mountain Title V Permit.

Refer to the Quarterly LFG Component Leak Monitoring Logs, located in Appendix I, for detailed results.

2.9 WASTE ACCEPTANCE RECORDS (BAAQMD 8-34-501.7)

The amount of waste accepted during the reporting period of October 1, 2021 through March 31, 2022 was approximately 266,872 tons. The current Waste-In-Place (WIP) as of March 31, 2022 is approximately 27,864,644 tons which includes 257,643,195 tons of MSW and 41,486 tons of fire debris. This WIP volume is based on

certain assumptions of degradable waste contained in the old landfill, before accurate acceptance practices were in place (from 1976 until about 2006). Please refer to Appendix Q for additional details.

2.10 NON-DEGRADABLE WASTE ACCEPTANCE RECORDS (BAAQMD 8-34-501.8)

Ox Mountain did not accept any non-degradable materials such as fire debris between October 1, 2021 through March 31, 2022.

2.11 WELLHEAD MONITORING DATA (BAAQMD 8-34-501.1, 2, AND 4, 8-34-505, §62.16724(H)(1), §62.16716(C), 62.16720(A)(5), 62.16722(A)(2) AND (3), AND §95464(C))

Wellhead monitoring was performed on a monthly basis pursuant to the regulations listed above. The well readings for October 1, 2021 through March 31, 2022 are included in Appendix J. Each well was monitored in accordance with the following requirements:

- Each wellhead shall operate under a vacuum;
- The LFG temperature in each wellhead shall be less than 55 degrees Celsius (°C) (131 degrees Fahrenheit [°F]); and
- The oxygen concentration in each wellhead shall be less than five percent by volume pursuant to 8-34-305.4.

Wellhead monitoring was performed on the following dates:

- October 4, 6, 7, 8, 11, 12, 13, 18, 20, 21, 26, 27, and 28, 2021;
- November 1, 3, 4, 5, 8, 9, 10, 11, 17, 18, 19, 22, 23, 24, 29, and 30, 2021;
- December 1, 2, 3, 6, 7, 8, 9, 10, 13, 14, 16, 17, 20, 21, 22, 23, 27, and 28, 2021;
- January 3, 4, 5, 6, 7, 10, 11, 12, 13, 20, 21, 24, 25, 26, 27, and 28, 2022;
- February 1, 2, 3, 4, 7, 8, 9, 10, 11, 14, 16, 17, 18, 23, and 24, 2022; and
- March 1, 2, 3, 4, 7, 10, 14, 17, 21, 28, and 29, 2022.

2.11.1 Wellhead Deviations (BAAQMD 8-34-501.9, §60.38f(h)(1), §62 Subpart F, §62.16724(h)(1), & §60.757(F)(1))

There were 51 wells with readings that exceeded the limits set forth in BAAQMD Regulation 8-34-305 during the reporting period. Corrective action was initiated within the required five-day time period and re-monitoring was completed within 15 days of the deviation pursuant to BAAQMD Regulation 8-34-414.

As of June 21, 2021, Ox Mountain is subject to 40 CFR 62 Subpart F and all the monitoring and reporting requirements associated with the partially approved SIP. During the reporting of October 1, 2021 through March 31, 2022, there were 41 pressure and 15 temperature exceedance readings. Corrective action analysis was completed for two temperature exceedances at Wells OXMEW186 and OXEW2020. Both exceedances were corrected before the 60-day timeline. All exceedances were remediated within 15 days of the initial exceedance.

See Appendix K, Wellfield Deviation Log, for further details.

2.11.2 Higher Operating Value (HOV) Wells

At the time of this submittal, the following wells in Sections 2.11.2.1 and 2.11.2.2 are approved to operate at a HOV.

2.11.2.1 Temperature HOV Wells

Pursuant to Permit Condition 10164, Part 18(b)(i), the temperature limit does not apply to wells OXEW1618, OXMEW205, OXMEW209, OXMPEW35, provided that the temperature in the LFG at the main header does not exceed 140°F.

2.11.2.2 Oxygen HOV Wells

Pursuant to Permit Condition 10164, Part 18(b)(i), the oxygen concentration limit does not apply to well OXMEW-W17, provided that the oxygen concentration in the LFG at the main header does not exceed 15 percent oxygen by volume (dry basis).

2.11.2.3 Oxygen and Pressure HOV Wells

Pursuant to Permit Condition 10164 Part 18(d)(iii), components that are connected to the vacuum system may be disconnected from the vacuum system if the oxygen content is equal to or greater than 15 percent or if the temperature is equal to or greater than 131 °F. Therefore, when the following wells are connected to the vacuum system, they may operate up to 15 percent oxygen. The wells to which these HOV values apply are as follows: LTS-1, LTS-2, LTS-3, LTS-4, LTS-5, LTS-6, LTS-7, LTS-8, LTS-9, LTS-10, LTS-11, LTS-12, LTS-13, LTS-14, LTS-15, LTS-16, LTS-17, LTS-18, LTS-19, and LTS-20.

Additionally, pursuant to the updated Title V Permit Condition Number 10164 Part 18(b), BAAQMD 8-34-305.3 and 8-34-305.4 shall not apply to the following wells, provided that the oxygen concentration does not exceed 15-percent: LTS-13, LTS-14, LTS-15, LTS-16, LTS-17, LTS-18, LTS-19, and LTS-20.

2.12 GAS FLOW AND TEMPERATURE MONITORING RESULTS (BAAQMD 8-34-501.10, 8-34-508, §60.757(F)(1), §60.38F(H)(1), & §62.16724(H)(1))

The LFG flow rate is measured with individual flow meters at both the A-7 and A-9 Flares. The data panels display the LFG flow and the digital Yokogawa data recorders record LFG flow every two minutes. The flow meters at each flare meet the requirements of BAAQMD Regulation 8-34-508 by recording data at least once every 15 minutes. The flow meters are maintained and calibrated pursuant to manufacturer's recommendations. The flow data for each flare is available for review at Ox Mountain.

Appendix L contains a summary of the monthly LFG flow rates for the flares. Appendix F contains the Flare Flow and Temperature Deviation/Inoperative Monitor/Missing Data Report for October 1, 2021 through March 31, 2022. There were no issues encountered during the reporting period.

2.13 GCCS EXPANSION (§60.757(F)(6), §60.38F(H)(6), & §62.16724(H)(6))

There were improvements made to the GCCS pursuant to Title V Permit Number A2266 during the reporting period.

There were 14 wellfield SSM events that occurred during the reporting period. A total of one horizontal collector was decommissioned and one new horizontal collector and four LCRS wells were started up pursuant to BAAQMD Regulation 8-34-117. Well Startup and Decommissioning Notification Letters were submitted on behalf of BFIC to the BAAQMD and are included in Appendix B. See Appendix C, Wellfield SSM Log for details.

At the time of this submittal, Authority to Construct (ATC) 30889, issued on February 10, 2021, allows for the replacement of an unlimited number of vertical wells and horizontal collectors, installation of up to 87 new vertical wells, installation of up to 15 new horizontal collectors, the decommissioning of up to 126 vertical wells, and the decommissioning of up to 14 horizontal collectors.

As of March 31, 2021, Ox Mountain consists of 184 vertical wells, 11 horizontal collectors, 10 LCRSs, and 18 leachate sumps.

2.14 TITLE V PERMIT CONDITION NUMBER 10164, PART 5

The unpaved segment of road extending from the end of the paved haul road to the working face does not exceed the 1,200-foot length limit.

2.15 TITLE V PERMIT CONDITION NUMBER 10164, PART 6

The speed of vehicles on unpaved roads is limited to 10 miles per hour (mph).

2.16 TITLE V PERMIT CONDITION NUMBER 10164, PART 7

All unpaved roads (excluding limited use access roads) were treated with ten percent magnesium chloride dust suppressant solution at a rate of at least once per calendar month. From October 1, 2021 through March 31, 2022 dust suppressant was applied after any dry period consisting of 30 consecutive days with less than 0.09 inches of rain per day. In addition, water was applied to all unpaved roads at least four times per working day. The watering schedule was reduced during periods of sufficient precipitation to minimize dust emissions. These records are maintained at Ox Mountain and are available upon request.

2.17 TITLE V PERMIT CONDITION NUMBER 10164, PART 8

All paved roadways were swept and washed down at least twice per week or as necessary to maintain a clean road surface.

2.18 TITLE V PERMIT CONDITION NUMBER 10164, PART 9

On-site vehicle traffic volume did not exceed the number of round trips described in Table 2-2 during any one day:

Table-2. On-Site Vehicle Traffic Volume.

Vehicle Type	Daily Round Trip Limits
Transfer Trucks	178
Packer Trucks	52
Water Trucks	36
Soil Trucks	200
Misc. Heavy-Duty Equipment	60
Light Duty Vehicles	250

2.19 TITLE V PERMIT CONDITION NUMBER 10164, PART 10

Except for the vehicles listed in Table 2-3, the on-site one-way distance traveled by any heavy-duty vehicle (on paved roads only) did not exceed 8,000 feet. This limitation does not apply to the vehicles listed in Table 2-3, which may travel up to a maximum of 11,700 feet (one-way distance) on paved roads.

Table 2-3. Vehicle Traffic.

Vehicle Type	Daily Round Trip Limits
Water Truck	36
Fuel Trucks	2
Employee - Light Duty Equipment	20

2.20 TITLE V PERMIT CONDITION NUMBER 10164, PART 13

Pursuant to BAAQMD Regulations 8-40-205, 8-40-301, 8-40-304, and 8-40-305, and Title V Permit Condition Number 10164 Part 13, the Permit Holder shall limit the quantity of low volatile organic compound (VOC) soil (soil that contains 50 ppmv or less of VOCs) disposed of per day so that no more than 15 pounds of total carbon may be emitted to the atmosphere per day. In order to demonstrate compliance with this condition, the Permit Holder shall maintain the records in a District approved log. BFIC maintains separate low VOC soil acceptance records onsite and these are not included in the MORs. Ox Mountain does not accept any VOC soils over the limit of 50 ppmv. Tetra Tech verified with BFIC personnel that no high VOC soils (soil that contains 50 ppmv or greater of VOCs) were accepted at Ox Mountain during the reporting period.

2.21 TITLE V PERMIT CONDITION NUMBER 16315 FOR S-12 STOCKPILE OR GREEN WASTE

Appendix M contains monthly and 12-month rolling records of the amount of yard and green waste received for this reporting period. As of March 2020, site accepts green waste but have stopped stockpiling and utilizing green waste as beneficial reuse. These records are maintained at Ox Mountain and are available upon request.

2.22 TITLE V PERMIT CONDITION NUMBER 26216 AND 25107 FOR S-5 NON-RETAIL GASOLINE DISPENSING FACILITY G#8524

Pursuant to Title V Permit Condition Number 26216 and Regulation 2-5, the facility's annual gasoline throughput did not exceed the 400,000-gallon (gal) limit in any consecutive 12-month period. Monthly gasoline throughput totals for the reporting period are included in Appendix O. These records are maintained at Ox Mountain and are available upon request.

Pursuant to Title V Permit Condition Number 25107, the Static Pressure Performance Test (Leak Test) for ST-38 was scheduled for October 15, 2021. A copy is included in Appendix O of this October 1, 2021 through March 31, 2022 SAR.

2.23 TITLE V PERMIT CONDITION NUMBER 10164, PART 20

Pursuant to Title V Permit Condition Number 10164 Part 20, the facility's combined landfill gas flow rate to the flares (A-7, A-8, and A-9) did not exceed 2,155,000,000 scf corrected to 50 percent methane (dry basis, 70°F, one atmosphere [atm]) in any consecutive 12-month period. Monthly combined LFG flow rates to the flares for the reporting period are included in Appendix L. These records are maintained at Ox Mountain and are available upon request.

On October 27, 2017, Tetra Tech submitted an application for a COPC requesting the removal of the A-8 Flare from the Ox Mountain Title V Permit. On June 11, 2018, Tetra Tech submitted an application for a COPC requesting a decrease in the current permitted combined landfill gas flow rate to the flares from 2,155,000,000 scf to 1,575,000,000 scf over any consecutive 12-month period. This request is being made due to the planned decommissioning and removal of the A-8 Flare. At the time of this submittal, BFIC is currently awaiting a response from the BAAQMD on these two COPC applications for roughly 5 and 4 years, respectively.

2.24 TITLE V PERMIT CONDITION NUMBER 10164, PART 22

Pursuant to Title V Permit Condition Number 10164 Part 22, the facility's total reduced sulfur (TRS) compounds in the collected LFG did not exceed 265 ppmv as hydrogen sulfide (H_2S) averaged over any consecutive rolling 12-month period. Monthly 12-month rolling averages of TRS as H_2S for the reporting period are included in Appendix P. These records are maintained at Ox Mountain and are available upon request.

2.25 TITLE V PERMIT CONDITION NUMBER 10164, PART 23

Pursuant to Title V Permit Condition Number 10164 Part 23, the facility's annual average LFG generation did not exceed 6,600 scfm. Also, pursuant to Part 22, fugitive annual average LFG emissions rates, assumed to comprise 25 percent by volume of the LFG generation rate, did not exceed 1,650 scfm. The 12-month rolling LFG generation rates are included in Appendix L.

Pursuant to Title V Permit Condition Number 10164 Part 22, toxic air contaminant (TAC) emissions from waste decomposition (S-1) will be determined from the annual LFG characterization analysis (Source Test) to determine compliance with the emission rate limits listed in Part 23(b). The 2021 Source Test was performed at the A-7 and A-9 Flares on August 6, 2021. The LFG characterization results were submitted within the Source Test Report submitted to the BAAQMD on September 17, 2021. A copy of this report is included in Appendix N of this SAR.

2.26 REPORTABLE EVENTS DURING THE REPORTING PERIOD

The following reportable events occurred at Ox Mountain during this reporting period:

December 27, 2021 Reportable Compliance Activity (RCA) Notification

- On December 27, 2021 an RCA Notification was submitted to the BAAQMD pursuant to Title V Permit Condition 10164 Part 18(a) for a brief power outage resulting in GCCS downtime at Ox Mountain that occurred on December 25, 2021.

Combined 10-Day Title V Deviation Notification and 30-Day Title V Report

- On January 3, 2022 a combined 10-Day Title V Deviation Notification and 30-Day Title V Report was submitted to the BAAQMD in response to the RCA Notification that was submitted to the BAAQMD on December 27, 2021 for a brief power outage at Ox Mountain that occurred on December 25, 2021.

10-Day Title V Deviation Notification

- On March 4, 2022 a 10-Day Title V Deviation Notification was submitted to the BAAQMD in response to the discovery that emission unit S-23 was no longer operating/powering the Ox Mountain Tipper Unit TPR110209 as previously believed.

30-Day Title V Report

- On March 18, 2022 a 30-Day Title V Report was submitted to the BAAQMD in response to the discovery that emission unit S-23 was submitted to the BAAQMD in response to the discovery that emission unit S-23 was no longer operating/powering the Ox Mountain Tipper Unit TPR110209 as previously believed.

3.0 PERFORMANCE TEST REPORT

In accordance with BAAQMD Rule 8-34-301, 40 CFR §60.752(b)(2)(iii)(B) in the NSPS, §60.33f(c)(2) and, §62.16714(c)(2), a Source Test Report is required to be conducted annually on each LFG flare.

3.1 FLARE (A-7, A-8, AND A-9) ANNUAL SOURCE TEST RESULTS BAAQMD 8-34-501.4)

The A-7 and A-9 Flares 2021 Source Tests were performed on August 6, 2021. The LFG characterization results were submitted within the Source Test Report submitted to the BAAQMD on September 17, 2021. The results are included in Appendix N of this SAR.

On October 27, 2017, a COPC Application was submitted to the BAAQMD requesting that Title V Permit Condition Number 10164, Part 31 be changed to include language allowing the extension of the annual source test deadlines during times of prolonged inoperation or maintenance. The same COPC Application requested that the A-8 Flare be removed from the Title V Permit. Ox Mountain is still waiting on response from the BAAQMD to this application.

As the A-8 flare is currently inoperable it was not source tested.

4.0 START-UP, SHUTDOWN, MALFUNCTION (SSM) PLAN

4.1 SSM LOG FOR THE GCCS AT OX MOUNTAIN

Per Ox Mountain's Title V Permit, the NESHAP contained in 40 CFR Part 63, AAAA for MSW landfills include the regulatory requirements for submittal of a SAR (under 40 CFR §63.10(d)(5) of the general provisions) if an SSM event occurred during the reporting period. Subsequently, the reports required by §63.1980(a) of the NESHAP and §60.757(f) of the NSPS summarize the GCCS exceedances. These two SARs contain similar information and have been combined as allowed by §63.10(d)(5)(i) of the General Provisions.

NESHAP 40 CFR part 63, AAAA became effective on January 16, 2004. However, a subsequent revision to 40 CFR 63, AAAA became effective on September 27, 2021. This section is to fulfill the requirements of the Title V Permit and §63.1981(h)(1) as well as §60.38f(h)(1) and §62.16724(h)(1).

The SSM events that occurred during the NSPS semi-annual reporting period are reported in this section (October 1, 2021 through March 31, 2022). The following information is included as required:

- During the reporting period, there were 28 SSM events at the A-7 Flare. Additional details are available in the SSM log for the A-7 Flare located in Appendix D, Flare SSM Log.
- During the reporting period, the A-8 Flare did not operate therefore there were no SSM events. Additional details are available in the SSM log for the A-8 Flare located in Appendix D, Flare SSM Log.
- During the reporting period, 47 SSM events occurred at the A-9 Flare. Additional details are available in the SSM log for the A-9 Flare located in Appendix D, Flare SSM Log.
- During the reporting period, 14 SSM events occurred in the wellfield. Details are included in Appendix C, Well SSM Log.
- There were 89 events in total. In all 89 events, automatic systems and operator actions were consistent with the standard operating procedures contained in the SSM Plan. There were no deviations from the SSM plan.
- There were no identified exceedances during the reporting period of any applicable emission limitation in the landfills NESHAP (§63.10(d)(5)(i)).
- Revisions of the SSM Plan to correct deficiencies in the landfill operations or procedures were neither required, nor prepared (§63.6(e)).

5.0 LIMITATIONS

The work product included in the attached was undertaken in full conformity with generally accepted professional consulting principles and practices and to the fullest extent as allowed by law we expressly disclaim all warranties, express or implied, including warranties of merchantability or fitness for a particular purpose. The work product was completed in full conformity with the contract with our client and this document is solely for the use and reliance of our client (unless previously agreed upon that a third party could rely on the work product) and any reliance on this work product by an unapproved outside party is at such party's risk.

The work product herein (including opinions, conclusions, suggestions, etc.) was prepared based on the situations and circumstances as found at the time, location, scope and goal of our performance and thus should be relied upon and used by our client recognizing these considerations and limitations. Tetra Tech shall not be liable for the consequences of any change in environmental standards, practices, or regulations following the completion of our work and there is no warrant to the veracity of information provided by third parties, or the partial utilization of this work product.

Attachments:
Combined Title V Semi-Annual and Partial 8-34 Annual Report

I certify the following:

> *Based on information and belief formed after reasonable inquiry, information on the startup, shutdown, malfunction forms, all accompanying reports, and other required certifications are true, accurate, and complete.*

Signature of Responsible Official

4-29-2022
Date

Travis Armstrong
Name of Responsible Official

APPENDIX A

SITE MAP

CONSTRUCTION NOTES:

1. THE 2021 TOPOGRAPHIC MAP WAS PREPARED BY COOPER AERIAL SURVEYS CO. DATE OF PHOTOGRAPHY: JANUARY 17, 2021. HORIZONTAL DATUM: NAD27, ZONE 3 VERTICAL DATUM: NGVD29.
2. AIR AND CONDENSATE PIPING UPDATED PER FIELD MARKUPS PROVIDED BY TETRA TECH O&M ON JULY 10, 2020.
3. THE GCCS IS A COMPILATION OF THE AS-BUILT SURVEY POINT FILE PROVIDED BY RUGGERI, JENSEN, AZAR AND ASSOCIATES, DATE OF SURVEY: APRIL 21, 2015 AND THE 2013 AND 2014 AS-BUILT FILES PROVIDED BY REPUBLIC SERVICES INC. ON MAY 2, 2015.
4. THE 2017 GCCS AS-BUILT SURVEY INFORMATION WAS PROVIDED BY RUGGERI, JENSEN, AZAR AND ASSOCIATES, DATE OF SURVEY: AUGUST 11, 2017.
5. THE 2018 GCCS AS-BUILT SURVEY INFORMATION WAS PROVIDED BY RUGGERI, JENSEN, AZAR AND ASSOCIATES, DATE OF SURVEYS: JULY 11 AND NOVEMBER 1, 2018 AND JANUARY 4, 2019.
6. THE 2019 GCCS AS-BUILT SURVEY INFORMATION WAS PROVIDED BY RUGGERI, JENSEN, AZAR AND ASSOCIATES, DATE OF SURVEYS: JUNE 28, 2019 AND JULY 23 2019.
7. THE 2020 GCCS AS-BUILT SURVEY INFORMATION WAS PROVIDED BY RUGGERI, JENSEN, AZAR AND ASSOCIATES, DATE OF SURVEYS: MARCH 17, 2020, MAY 19, 2020, JUNE 2, 2020, OCTOBER 30, 2020 AND DECEMBER 20, 2020
8. THE 2020 GCCS UNDERLINER AS-BUILT WAS PROVIDED BY SUKUT CONSTRUCTION, DATE OF AS-BUILT: SEPTEMBER 24, 2020.
9. ADDITIONAL AS-BUILT SURVEY INFORMATION FOR THE LEACHATE INTERCEPTION TRENCH WAS PROVIDED BY RUGGERI, JENSEN, AZAR AND ASSOCIATES, DATE OF SURVEY: FEBRUARY 26, 2015.
10. THE 2021 FLARE STATION UTILITY AS-BUILT FILE WAS PROVIDED BY SUBTRONIC, DATE OF SURVEY: AUGUST 27, 2021.
11. THE 2021 GCCS AS-BUILT SURVEY INFORMATION WAS PROVIDED BY RUGGERI, JENSEN, AZAR AND ASSOCIATES, DATE OF SURVEY: AUGUST 18, 2021.

N

0 200 400
SCALE IN FEET

LEGEND

- LIMIT OF WASTE
- 1400 EXISTING 10' CONTOUR
- FINAL CLOSURE BOUNDARY
- EXISTING GAS PIPE, ABOVE GRADE
- EXISTING GAS PIPE, BELOW GRADE
- EXISTING HORIZONTAL COLLECTOR
- EXISTING CAPPED PIPE
- PMP-5 EXISTING GAS MONITORING PROBE LOCATION
- EW-170 EXISTING VERTICAL GAS EXTRACTION WELLS, ABOVE GRADE
- EW-165 EXISTING VERTICAL GAS EXTRACTION WELLS, BELOW GRADE
- EW-188 EXISTING DUAL GAS/LEACHATE EXTRACTION WELL
- EW16-22 EXISTING DUAL CASING GAS/LEACHATE EXTRACTION WELL
- EXISTING ROAD CROSSING
- EXISTING REMOTE WELLHEAD
- EXISTING CONTROL VALVE
- EXISTING FLANGE CONNECTION
- EXISTING BLIND FLANGE
- EXISTING REDUCER FITTING
- SUMP EXISTING CONDENSATE PUMP STATION
- LTS-12 EXISTING LEACHATE INTERCEPTION TRENCH SUMP
- CAG EXISTING CONDENSATE PIPE, ABOVE GRADE
- CBG EXISTING CONDENSATE PIPE, BELOW GRADE
- AAG EXISTING AIR PIPE, ABOVE GRADE
- ABG EXISTING AIR PIPE, BELOW GRADE

REV	DATE	DESCRIPTION	DWN BY	DES BY	CHK BY	APP BY

DATE OF ISSUE 01/27/21
DRAWN BY SEY/GVP/KJA
DESIGNED BY SEY
CHECKED BY AMN
APPROVED BY PJS

TETRA TECH

ALL PROFESSIONAL ENGINEERING WORK IS PERFORMED BY DULY LICENSED PROFESSIONAL ENGINEERS UNDER THE APPROPRIATE STATE REGISTERED PROFESSIONAL ENTITY.

OX MOUNTAIN LANDFILL
SAN MATEO COUNTY, CALIFORNIA

2021 FLARE STATION UTILITY AS-BUILT
AS-BUILT SITE PLAN

SHEET NO. 1
PROJECT NO. 210032

FINAL - RECORD DRAWINGS

APPENDIX B

BAAQMD CORRESPONDENCE

TETRA TECH

November 8, 2021

Ms. Nimrat Sandhu
Air Quality Engineer
Bay Area Air Quality Management District
375 Beale Street, Suite 600
San Francisco, CA 94105

Re: Well Notification Letter
Ox Mountain Landfill, Facility A2266
Title V Permit Condition Number 10164, Part 17

Dear Ms. Sandhu:

Tetra Tech submits this letter on behalf of Browning-Ferris Industries of California, Inc. (BFIC) to notify the Bay Area Air Quality Management District (BAAQMD) of the start-up of four leachate cleanout riser (LCRS) horizontal collectors at Ox Mountain Landfill (Ox Mountain [Facility Number A2266]), pursuant to Title V Permit Condition Number 10164, Part 17 and Change of Permit Conditions Application Number (A/N) 30889.

In accordance with the approved A/N 30889, Ox Mountain is approved for the installation of up to 100 new vertical landfill gas (LFG) extraction wells as well as 20 horizontal collectors; to decommission of up to 150 vertical LFG extraction wells, as well as 15 horizontal collectors; and unlimited vertical well replacements. This notification is being made pursuant to Title V Permit Condition Number 10164, Part 17(b)(iv), which states that the permit holder shall submit a notification to the BAAQMD at least three days prior to the startup of a component connected to the gas collection and control system (GCCS) and within three days after the decommissioning of a component connected to the GCCS.

Pursuant to A/N 30889, the following table is a summation of the well actions detailed in this notification letter.

Well ID	Well Action	Date/Time Action Taken
OXLCRS9A	LCRS Horizontal Collector Start-up	On or after November 11, 2021
OXLCRS9B	LCRS Horizontal Collector Start-up	On or after November 11, 2021
OXLCRS10	LCRS Horizontal Collector Start-up	On or after November 11, 2021
OXLCRS11	LCRS Horizontal Collector Start-up	On or after November 11, 2021

The start-up dates and times for these wells will be recorded in the Startup, Shutdown, and Malfunction (SSM) log report submitted on a semi-annual basis to the BAAQMD and United States Environmental Protection Agency (USEPA), Region IX, pursuant to Regulation 8, Rule 34, Section 501.

In accordance with Title V Permit Condition Number 10164 Part 17(b)(vii), if the Permit Holder has a net reduction of more than five components within a 120-day period, the Permit Holder shall submit a more comprehensive decommissioning notification to the BAAQMD. With the start-up of the four LCRS horizontal collectors, the GCCS

Tetra Tech
7600 Dublin Boulevard, Suite 200, Dublin, CA 94568
Tel 877.633.5520 Fax 877.845.1456 tetratech.com

at Ox Mountain has not had a net reduction of five or more components within the previous 120-days of these well actions; therefore, no further details are required with this submittal.

The following table shows the status of decommissions and installations for A/N 30889.

Action	Permitted Actions for Application Number 30889	Remaining Actions Per Application Number 30889
Vertical Gas Extraction Well Installations	100	87
Horizontal Collector Installations	20	16
Vertical Gas Extraction Well Decommissions	150	127
Horizontal Collector Decommissions	15	14
Vertical Well Replacements	Unlimited	Unlimited

With the start-up of the four LCRS horizontal collectors vertical LFG extraction well, there are currently 185 vertical LFG extraction wells, 18 vertical LFG extraction wells with approval for less than continuously operation (LTCO), 10 horizontal collectors, and 10 leachate cleanout risers connected to the GCCS at Ox Mountain. Please note, that the counts in the prior notification submitted on August 12, 2021 the counts for Vertical Gas Extraction Well Installations and Vertical Gas Extraction Well Decommissions were inadvertently transposed. The counts as of August 12, 2021 should have read Vertical Gas Extraction Well Installation actions remaining of 87 and Vertical Gas Extraction Well Decommissioning actions remaining of 127 as noted above.

If you have any questions regarding this notification, please do not hesitate to call Kendra Kent at (520) 526-7270 or by email at kendra.kent@tetratech.com.

Sincerely,

TETRA TECH BAS, INC.

Nat Israel
Compliance Specialist

Kendra Kent
Project Manager

cc: Benjamin Wade, BFIC
Travis Armstrong, BFIC

TETRA TECH

December 16, 2021

Ms. Nimrat Sandhu
Air Quality Engineer
Bay Area Air Quality Management District
375 Beale Street, Suite 600
San Francisco, CA 94105

Re: Well Notification Letter
Ox Mountain Landfill, Facility A2266
Title V Permit Condition Number 10164, Part 17

Dear Ms. Sandhu:

Tetra Tech submits this letter on behalf of Browning-Ferris Industries of California, Inc. (BFIC) to notify the Bay Area Air Quality Management District (BAAQMD) of the start-up of one horizontal collector at Ox Mountain Landfill (Ox Mountain [Facility Number A2266]), pursuant to Title V Permit Condition Number 10164, Part 17 and Change of Permit Conditions Application Number (A/N) 30889.

In accordance with the approved A/N 30889, Ox Mountain is approved for the installation of up to 100 new vertical landfill gas (LFG) extraction wells as well as 20 horizontal collectors; to decommission of up to 150 vertical LFG extraction wells, as well as 15 horizontal collectors; and unlimited vertical well replacements. This notification is being made pursuant to Title V Permit Condition Number 10164, Part 17(b)(iv), which states that the permit holder shall submit a notification to the BAAQMD at least three days prior to the startup of a component connected to the gas collection and control system (GCCS) and within three days after the decommissioning of a component connected to the GCCS.

Pursuant to A/N 30889, the following table is a summation of the well actions detailed in this notification letter.

Well ID	Well Action	Date/Time Action Taken
OXHC2101	Horizontal Collector Start-up	On or after December 20, 2021

The start-up date and time for this well will be recorded in the Startup, Shutdown, and Malfunction (SSM) log report submitted on a semi-annual basis to the BAAQMD and United States Environmental Protection Agency (USEPA), Region IX, pursuant to Regulation 8, Rule 34, Section 501.

In accordance with Title V Permit Condition Number 10164 Part 17(b)(vii), if the Permit Holder has a net reduction of more than five components within a 120-day period, the Permit Holder shall submit a more comprehensive decommissioning notification to the BAAQMD. With the start-up of the one horizontal collector, the GCCS at Ox Mountain has not had a net reduction of five or more components within the previous 120-days of this well action; therefore, no further details are required with this submittal.

Tetra Tech
7600 Dublin Boulevard, Suite 200, Dublin, CA 94568
Tel 877.633.5520 Fax 877.845.1456 tetratech.com

The following table shows the status of decommissions and installations for A/N 30889.

Action	Permitted Actions for Application Number 30889	Remaining Actions Per Application Number 30889
Vertical Gas Extraction Well Installations	100	87
Horizontal Collector Installations	20	15
Vertical Gas Extraction Well Decommissions	150	127
Horizontal Collector Decommissions	15	14
Vertical Well Replacements	Unlimited	Unlimited

With the start-up of the one horizontal collector, there are currently 185 vertical LFG extraction wells, 18 vertical LFG extraction wells with approval for less than continuously operation (LTCO), 11 horizontal collectors, and 10 leachate cleanout risers connected to the GCCS at Ox Mountain.

If you have any questions regarding this notification, please do not hesitate to call Kendra Kent at (520) 526-7270 or by email at kendra.kent@tetratech.com.

Sincerely,

TETRA TECH BAS, INC.

Nat Israel
Compliance Specialist

Kendra Kent
Project Manager

cc: Benjamin Wade, BFIC
Travis Armstrong, BFIC

BAY AREA AIR QUALITY MANAGEMENT DISTRICT

COMPLIANCE & ENFORCEMENT DIVISION

Notification Form

Reportable Compliance Activity (RCA)

See back of form for instructions →

1. ☒ **BREAKDOWN RELIEF:** ***District Use Only*** **BREAKDOWN REFERENCE #:**

2. ☒ **MONITOR EXCESS EMISSION or EXCURSION** ***District Use Only*** **REFERENCE #:**

3. ☐ **MONITOR IS INOPERATIVE:** ***District Use Only*** **REFERENCE #:**

4. ☐ **PRESSURE RELIEF DEVICE (PRD):** ***District Use Only*** **PRD REFERENCE #:**

SITE INFORMATION AND DESCRIPTION INFORMATION (REQUIRED)			
Company	Browning-Ferris Industries of California, Inc.	Site #	A2266
Address	12310 San Mateo Road, Half Moon Bay, CA 94019	Source #	Ameresco Power Plant and the A-7 and A-9 LFG Flares
Reported by	Kendra Kent, Tetra Tech	Phone #	(520) 526-7270
Indicated Excess	Site-wide power outage	Fax #	N/A
Allowable Limit	Permit Condition #10164 Part 18(a)	Averaging Time	9 hours 10 minutes
Start Time/Date	12/25/2021 at 12:54 AM	Clear Time	12/25/2021 at 10:04 AM
Monitor/device type(s)	☐ ▶CEM ☐ ▶GLM ☒ ▶Parametric ☐ ▶PRD ☐ ▶Non-monitor		
Monitor description(s)			

Parameter(s) exceeded or not functioning due to inoperation

☐ ▶NO_x ☐ ▶SO_2 ☐ ▶CO ☐ ▶CO_2 ☐ ▶H_2S ☐ ▶TRS ☐ ▶NH_3
☐ ▶O_2 ☐ ▶H_2O ☐ ▶Opacity ☐ ▶Lead ☐ ▶Gauge Pressure ☒ ▶Flow
☐ ▶Hydrocarbon Breakthrough (VOC) ☒ ▶Temperature ☐ ▶Wind Speed
☐ ▶Wind Direction ☐ ▶Steam ☐ ▶Other (describe)

Unit(s) of Measurement

☐ ▶ppm ☐ ▶ppb ☐ ▶min/hr > 20% ☐ ▶inches H_2O ☐ ▶mmHg
☐ ▶psig ☐ ▶pH ☒ ▶^{0}Fahrenheit ☒ ▶Other (describe) scfm

Event Description:

At approximately 12:54 AM on December 25, 2021, an unplanned power outage caused by a disruption of the Pacific Gas and Electric (PG&E) utility that impacted all site utility meters which power Ox Mountain Landfill combustion control devices. Site technicians were dispatched to Ox Mountain as soon as they became aware of the shutdown; however, power was not restored to the Ox Mountain by PG&E until approximately 10:00 AM. At 10:04 AM, technicians restarted the A-9 Flare and began preparing the Ameresco facility engines for startup following rigorous inspection of the control equipment for damage. During shutdowns, LFG flow is to abatement devices is automatically stopped. There were no excess emissions during the downtime event. The breakdown event was initially reported to the Bay Area Air Quality Management District via email on December 25, 2021 as soon as site personnel could determine the extent of the outage/damage.

District Use Only		
Received by	Date	Time

General Instructions

REPUBLIC SERVICES

Browning-Ferris Industries of California, Inc. - Ox Mountain Landfill
12310 San Mateo Road, Half Moon Bay, CA 94019 o 650.726.1819 o
republicservices.com

January 3, 2022

Mr. Jeffrey Gove
Director of Compliance and Enforcement
Bay Area Air Quality Management District
Attn: Title V Reports
375 Beale Street, Suite 600
San Francisco, CA 94105

Transmitted via E-mail

Re: Combined 10/30-day Title V Report and 30-day Breakdown Follow-up Letter
Reportable Compliance Activity IDs 08E38 (breakdown) and 08E39 (excursion)
Ox Mountain Landfill, Half Moon Bay, California
Facility Number A2266

Dear Mr. Gove:

Browning-Ferris Industries of California, Inc. (BFIC), the owner and operator of the Ox Mountain Landfill (Ox Mountain) (Facility Number A2266), submits this Combined 10/30-Day Title V Report and 30-Day Breakdown Follow-Up Letter to Breakdown Relief Request to the Bay Area Air Quality Management District (BAAQMD) per the requirements of BAAQMD Compliance and Enforcement Breakdown Guidelines. This letter also satisfies the 10 and 30-day Title V Report requirements and Title V Permit Condition Section I.F (Monitoring Reports). Pursuant to Title V Permit Condition Number 818 Part 3(a), the gas collection and control system (GCCS) shall remain in continuous operation. On December 25, 2021, a breakdown notification was submitted within 24 hours of the breakdown to the BAAQMD, to request breakdown relief. On December 27, 2021 a Reportable Compliance Activity (RCA) notification was submitted to the BAAQMD in support of the December 25th notification, detailing the events for the requested breakdown relief and to report a parametric excursion for the GCCS downtime event. RCA Notification IDs 08E38 (breakdown) and 08E39 (excursion) have been assigned to this event. Ox Mountain respectfully requests that the BAAQMD grant breakdown relief for this event, as Ox Mountain made every effort to remain in operation during the Pacific Gas and Electric (PG&E) event, which was outside of the site's control.

Background

On December 25, 2021, at approximately 12:54 AM, an unplanned power outage caused by a disruption of the Pacific Gas and Electric (PG&E) utility impacted all site utility meters which power Ox Mountain's combustion control devices. The power disruption was the result of PG&E de-energizing the area due to a vehicular accident involving one of the power poles and lines near the landfill. Tetra Tech operations and management (TT O&M) technicians were dispatched to Ox Mountain as soon as they became aware of the shutdown; however, power was not restored to Ox Mountain by PG&E until approximately 10:00 AM when they were able to replace the damaged power pole and re-energize the power lines in the area. At 10:04 AM, TT O&M technicians restarted the A-9 Flare and began preparing the Ameresco Landfill Gas to Energy (LFGTE) Facility engines for startup following rigorous inspection of the control equipment for damage. During shutdowns, landfill gas (LFG) flow to control devices is automatically stopped. There were

no excess emissions during the event. The breakdown event was initially reported to the BAAQMD via email on December 25, 2021 as soon as site personnel could determine the extent of the outage/damage.

Corrective Actions

This event took place after operating hours and on a federal holiday; therefore, no onsite personnel were present at the time of shutdown to inspect and restart the control devices. The site has on-call personnel from TT O&M and Ameresco to respond to GCCS afterhours for emergencies 24 hours a day, 7 days per week. Upon receiving an automated alert of control device downtime, these personnel immediately responded. Once onsite, the on-call Team inspected the GCCS, blower flare station components and flares for damage in accordance with their inspection and pre-startup procedures. However, they were unable to restart any of the control devices until power was restored to the site and the Ameresco facility received clearance from PG&E to power back online. While waiting for the power to be restored, the on-call personnel inspected the compressor(s), blower(s), and A-9 flare station, made manual adjustments as necessary to ensure successful restart of the A-9 Flare.

The A-9 Flare requires a technician onsite to be restarted. Due to the nature of how the Flare operates, it is reliant on several components that frequently need to be manually reset before the flare can resume operation. One of these components is the air compressor associated with the Flare which in this instance needed to be restarted. The air compressor provides pressure which opens the pneumatic valve on the LFG header to the flare. During power outages, the power to the compressor is cut, pressure supplied to keep the pneumatic valve immediately dissipates, thus closing the valve and preventing excess emissions. Because this device operated as designed, after this shutdown, the compressor required manual priming to reopen the pneumatic valve during the flare restart procedure. This action must be completed manually after inspection of equipment for damage.

An onsite PERP engine or generator does not ensure a more rapid response to control device downtimes. As stated above, manual technician inspections are required in response to shutdowns caused by third party utilities. Therefore, even if the third party utility power is restored, a technician must respond and inspect the devices, to ensure the safe operation of the Ox Mountain Flares or Ameresco's LFGTE facility, which means the time to return to the facility afterhours and perform the required inspections regrettably contributes to the total time the GCCS is down. Additionally, it is not unusual for power outages and/or surges to cause breakers associated with the blowers or other devices to switch off to protect the integrity of the overall flare facility. This is usually identified during the inspection and requires resetting manually once the technician has deemed it safe to do so. Although an emergency generator could provide power to the flare(s), the flares would still not be able to automatically resume proper operation if a breaker requires resetting or the compressor needs to be repressurized. Similarly, a remote start-up device would not work to bring the devices back online either if any of the components needed to be manually adjusted/reset.

There was no breakdown of equipment owned and operated by Ox Mountain, but the operation of the equipment onsite was interfered with due to the disruption of power. During this period of downtime, applicable inspection and maintenance (I&M) measures were taken pursuant to BAAQMD Regulation 8, Rule 34, Section 113 (8-34-113), which allows for up to 240 hours of GCCS downtime in any calendar year to allow for I&M of the GCCS.

Excess emissions did not occur during this event. The control devices at Ox Mountain have automated features that isolate the GCCS. This prevents emissions from the GCCS when the control devices are not

in operation. At the time of this submittal, the GCCS is operating within normal parameters. BFIC respectfully requests that the BAAQMD grant breakdown relief for this event, as every effort was made to remain in operation during the PG&E event, which was outside of the site's control.

Conclusion

The RCA was submitted per the compliance advisory issued October 2021 indicating power related outages are considered to be a breakdown per BAAQMD Reg. 1 Section 112 and the related excursion event per verbal guidance from the site's BAAMQD inspector, and out of an abundance of caution.

Although a request for breakdown relief is being submitted for the disruption of power, BFIC does not believe that filing for breakdown relief is the appropriate measure, as there was no "breakdown" of any Ox Mountain-owned control device. Nor does BFIC believe that a parametric excursion occurred when the flares were offline, because there was no excursion from operating limits and no missing operating data. As BFIC has stated in past letters, it believes BAAQMD's Rule 1-523.3 only requires the reporting of parametric monitoring excursions when the monitoring equipment shows an exceedance of a permit condition when the flare is operating, not when it is shutdown.

With the submittal of this combined notification, BFIC has completed all reporting requirements for the event within the required timeframes. The RCA Notification was submitted out of an abundance of caution within 24 hours of the shutdown, as previously instructed by BAAQMD inspectors.

BFIC is committed to operating its systems in compliance with all applicable regulations and will continue to ensure future compliance.

If you have any questions or require additional information, please do not hesitate to contact myself at (714)931-5685 or by email at tarmstrong2@republicservices.com or Kendra Kent at (520) 526-7270 or by email at kendra.kent@tetratech.com.

Sincerely,

Ben Wade
Environmental Manager
Ox Mountain Landfill

Attachment: A – RCA Form IDs 08E38 (breakdown) and 08E39 (excursion)

cc: Tavis Armstrong, BFIC
Josh Mills, BFIC
Kelly McDonnell, BFIC
Thomas Bruen, Law Office of Thomas M. Bruen, P.C.
Niki Wuestenberg, BFIC
Kendra Kent, Tetra Tech
Romelle Guittap, BAAQMD

Attachment A
RCA Form IDs 08E38 (breakdown) and 08E39 (excursion)

Kent, Kendra

From: RCA Notification <rca@baaqmd.gov>
Sent: Monday, December 27, 2021 9:24 AM
To: Kent, Kendra
Subject: RE: Ox Mountain Landfill - Facility A2266 - Breakdown Relief Notification 12-25-2021

Follow Up Flag: Follow up
Flag Status: Flagged

Breakdown 08E38
Excursion 08E39

From: Kent, Kendra <Kendra.Kent@tetratech.com>
Sent: Monday, December 27, 2021 7:54 AM
To: RCA Notification <rca@baaqmd.gov>
Cc: bwade@republicservices.com; Israel, Nat <Nat.Israel@tetratech.com>; Newbrough, Rob <Rob.Newbrough@tetratech.com>; Pankenier, Suzan <Suzan.Pankenier@tetratech.com>; Kevin Cordes <kcordes@baaqmd.gov>
Subject: RE: Ox Mountain Landfill - Facility A2266 - Breakdown Relief Notification 12-25-2021

To Whom it May Concern,

Tetra Tech is submitting the attached RCA form for Ox Mountain as a follow-up to the email notification for breakdown relief that was submitted on behalf of our client, Browning-Ferris of California, Inc. on December 25, 2021. Ox Mountain is currently preparing the 10-day Report and will submit it to the BAAQMD within the allowed timeframe. If you have any questions in the interim, please let me know.

Thanks,
Kendra

Kendra Kent | Senior Compliance Specialist
Direct **+1 (520) 526-7270** | Mobile **+1 (520) 275-0189** | Fax **+1 (520) 888-4804** | kendra.kent@tetratech.com

Tetra Tech | *Leading with Science*® | Solid Waste West | Methane Gas Group
800 E Wetmore Road, Suite 230 | Tucson, Arizona 85719 | tetratech.com | www.cornestoneeg.com

BAY AREA AIR QUALITY MANAGEMENT DISTRICT

COMPLIANCE & ENFORCEMENT DIVISION

Notification Form

Reportable Compliance Activity (RCA)

See back of form for instructions →

1. ☒ **BREAKDOWN RELIEF:** ***District Use Only*** **BREAKDOWN REFERENCE #:**

2. ☒ **MONITOR EXCESS EMISSION or EXCURSION** ***District Use Only*** **REFERENCE #:**

3. ☐ **MONITOR IS INOPERATIVE:** ***District Use Only*** **REFERENCE #:**

4. ☐ **PRESSURE RELIEF DEVICE (PRD):** ***District Use Only*** **PRD REFERENCE #:**

SITE INFORMATION AND DESCRIPTION INFORMATION (REQUIRED)			
Company	Browning-Ferris Industries of California, Inc.	Site #	A2266
Address	12310 San Mateo Road, Half Moon Bay, CA 94019	Source #	Ameresco Power Plant and the A-7 and A-9 LFG Flares
Reported by	Kendra Kent, Tetra Tech	Phone #	(520) 526-7270
Indicated Excess	Site-wide power outage	Fax #	N/A
Allowable Limit	Permit Condition #10164 Part 18(a)	Averaging Time	9 hours 10 minutes
Start Time/Date	12/25/2021 at 12:54 AM	Clear Time	12/25/2021 at 10:04 AM
Monitor/device type(s)	☐ ▶CEM ☐ ▶GLM ☒ ▶Parametric ☐ ▶PRD ☐ ▶Non-monitor		
Monitor description(s)			

Parameter(s) exceeded or not functioning due to inoperation

☐ ▶NO_x ☐ ▶SO_2 ☐ ▶CO ☐ ▶CO_2 ☐ ▶H_2S ☐ ▶TRS ☐ ▶NH_3
☐ ▶O_2 ☐ ▶H_2O ☐ ▶Opacity ☐ ▶Lead ☐ ▶Gauge Pressure ☒ ▶Flow
☐ ▶Hydrocarbon Breakthrough (VOC) ☒ ▶Temperature ☐ ▶Wind Speed
☐ ▶Wind Direction ☐ ▶Steam ☐ ▶Other (describe)

Unit(s) of Measurement

☐ ▶ppm ☐ ▶ppb ☐ ▶min/hr > 20% ☐ ▶inches H_2O ☐ ▶mmHg
☐ ▶psig ☐ ▶pH ☒ ▶^{0}Fahrenheit ☒ ▶Other (describe) scfm

Event Description:

At approximately 12:54 AM on December 25, 2021, an unplanned power outage caused by a disruption of the Pacific Gas and Electric (PG&E) utility that impacted all site utility meters which power Ox Mountain Landfill combustion control devices. Site technicians were dispatched to Ox Mountain as soon as they became aware of the shutdown; however, power was not restored to the Ox Mountain by PG&E until approximately 10:00 AM. At 10:04 AM, technicians restarted the A-9 Flare and began preparing the Ameresco facility engines for startup following rigorous inspection of the control equipment for damage. During shutdowns, LFG flow is to abatement devices is automatically stopped. There were no excess emissions during the downtime event. The breakdown event was initially reported to the Bay Area Air Quality Management District via email on December 25, 2021 as soon as site personnel could determine the extent of the outage/damage.

District Use Only		
Received by	Date	Time

General Instructions

TETRA TECH

February 1, 2022

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

Re: Well Notification Letter
Ox Mountain Landfill, Facility A2266
Title V Permit Condition Number 10164, Part 17

To Whom It May Concern:

Tetra Tech submits this letter on behalf of Browning-Ferris Industries of California, Inc. (BFIC) to notify the Bay Area Air Quality Management District (BAAQMD) of the decommissioning of one vertical landfill gas (LFG) extraction well at Ox Mountain Landfill (Ox Mountain [Facility Number A2266]), pursuant to Title V Permit Condition Number 10164, Part 17 and Change of Permit Conditions Application Number (A/N) 30889.

In accordance with the approved A/N 30889, Ox Mountain is approved for the installation of up to 100 new vertical LFG extraction wells as well as 20 horizontal collectors; to decommission of up to 150 vertical LFG extraction wells, as well as 15 horizontal collectors; and unlimited vertical well replacements. This notification is being made pursuant to Title V Permit Condition Number 10164, Part 17(b)(iv), which states that the permit holder shall submit a notification to the BAAQMD at least three days prior to the startup of a component connected to the gas collection and control system (GCCS) and within three days after the decommissioning of a component connected to the GCCS.

Pursuant to A/N 30889, the following table is a summation of the well actions detailed in this notification letter.

Well ID	Well Action	Date/Time Action Taken	Reason
OXMEWW15	Vertical LFG Extraction Well Decommissioning	January 28, 2022 at 9:29 AM	Poor gas quality

The decommissioning date and time for this well will be recorded in the Startup, Shutdown, and Malfunction (SSM) log report submitted on a semi-annual basis to the BAAQMD and United States Environmental Protection Agency (USEPA), Region IX, pursuant to Regulation 8, Rule 34, Section 501.

In accordance with Title V Permit Condition Number 10164 Part 17(b)(vii), if the Permit Holder has a net reduction of more than five components within a 120-day period, the Permit Holder shall submit a more comprehensive decommissioning notification to the BAAQMD. With the decommissioning of one vertical LFG extraction well, the GCCS at Ox Mountain has not had a net reduction of five or more components within the previous 120-days of this well action; therefore, no further details are required with this submittal.

Tetra Tech
7600 Dublin Boulevard, Suite 200, Dublin, CA 94568
Tel 877.633.5520 Fax 877.845.1456 tetratech.com

The following table shows the status of decommissions and installations for A/N 30889.

Action	Permitted Actions for Application Number 30889	Remaining Actions Per Application Number 30889
Vertical Gas Extraction Well Installations	100	87
Horizontal Collector Installations	20	15
Vertical Gas Extraction Well Decommissions	150	126
Horizontal Collector Decommissions	15	14
Vertical Well Replacements	Unlimited	Unlimited

With the decommissioning of one vertical LFG extraction well, there are currently 184 vertical LFG extraction wells, 18 vertical LFG extraction wells with approval for less than continuously operation (LTCO), 11 horizontal collectors, and 10 leachate cleanout risers connected to the GCCS at Ox Mountain.

If you have any questions regarding this notification, please do not hesitate to call Kendra Kent at (520) 526-7270 or by email at kendra.kent@tetratech.com.

Sincerely,

TETRA TECH BAS, INC.

Nat Israel
Compliance Specialist

Kendra Kent
Project Manager

cc: Benjamin Wade, BFIC
Travis Armstrong, BFIC

REPUBLIC SERVICES

Browning-Ferris Industries of California, Inc. - Ox Mountain Landfill
12310 San Mateo Road, Half Moon Bay, CA 94019
P: (650) 713-3632 republicservices.com

March 4, 2022

Mr. Jeffrey Gove
Director of Compliance & Enforcement
Bay Area Air Quality Management District
Attn: Title V Reports
375 Beale Street, Suite 600
San Francisco, California 94105

Re: 10-Day Title V Deviation Notification
Ox Mountain Landfill, Facility Number A2266
Half Moon Bay, California

Dear Mr. Gove:

Pursuant to Title V Permit Standard Condition I.f., " *…all instances of noncompliance with the permit shall be reported in writing to the District's Compliance and Enforcement Division within 10 calendar days of the discovery of the incident. Within 30 calendar days of the discovery of any incident of non-compliance, the facility shall submit a written report including the probable cause of non-compliance and any corrective or preventative actions…..*" In accordance with this condition, Browning-Ferris Industries of California, Inc. (BFIC) is submitting this 10-day Title V Deviation Notification for the Ox Mountain Landfill (Ox Mountain [Facility Number A2266]) regarding emission unit S-23 (Portable Propane Engine Powering Tipper TPR110209) and potential deviations of Title V Permit Condition 25956 Parts 2 through 5.

On February 22, 2022, while preparing data for the Annual Criteria Toxics and Reporting (CTR) Update, current BFIC personnel discovered that emission unit S-23 was no longer operating/powering the Ox Mountain Tipper Unit TPR110209 as previously believed. With the submittal of this notification, BFIC is notifying BAAQMD that emission unit S-23 appears to be no longer operating. Tipper TPR110209 is not in use pending BFIC's ongoing investigation into this issue. BFIC will include all information discovered regarding this issue in the 30-day Title V Report that will be due to the BAAQMD by March 24, 2022.

BFIC is committed to operating its systems in compliance with all applicable regulations and will continue to ensure ongoing compliance with all applicable regulations and permit conditions to the best of our abilities.

March 4, 2022
Mr. Jeffrey Gove

If you have any questions or require additional information, please do not hesitate to contact me at (650) 713-3632.

Sincerely,

Ox Mountain

Benjamin Wade
Environmental Manager

cc: Romelle Guittap, BAAQMD
Travis Armstrong, BFIC
Joshua Mills, BFIC
Kendra Kent, Tetra Tech

Browning-Ferris Industries of California, Inc. – Ox Mountain Landfill
12310 San Mateo Road, Half Moon Bay, CA 94019
P: 650.726.1819 republicservices.com

March 18, 2022

Mr. Jeffrey Gove
Director of Compliance and Enforcement
Bay Area Air Quality Management District
Attn: Title V Reports
375 Beale Street, Suite 600
San Francisco, CA 94105

Submitted via email to:
jgove@baaqmd.gov
compliance@baaqmd.gov

Re: 30-Day Title V Report for Title V Deviation
Ox Mountain Landfill, Half Moon Bay, California
Facility Number A2266

Dear Mr. Gove:

Browning-Ferris Industries of California, Inc. (BFIC), the owner and operator of Ox Mountain Landfill (Ox Mountain) is submitting this 30-Day Title V Report to the Bay Area Air Quality Management District (BAAQMD) per the requirements of Title V Permit Condition Section I Part F Monitoring Reports:

> *"…In addition, all instances of non-compliance with the permit shall be reported in writing to the District's Compliance and Enforcement Division within 10 calendar days of the discovery of the incident. Within 30 calendar days of the discovery of any incident of non-compliance, the facility shall submit a written report including the probable cause of non-compliance and any corrective or preventative actions…"*

On March 4, 2022, BFIC reported a potential deviation of Permit to Operate (PTO) Condition 25956 Parts 2 through 5 related to the S-23 Portable Propane Engine Powering Tipper (TPR110209) based on the discovery on February 22, 2022, that the S-23 Portable Propane Engine was no longer operating Tipper TPR110209.

As noted in the 10-Day Title V Notification, on February 22, 2022, BFIC personnel discovered that emission unit S-23 engine was no longer operating/powering the Ox Mountain Tipper Unit TPR110209 as previously believed. The engine and tipper were immediately taken out of operation pending the investigation into the issue. As of this

report, BFIC has been able to determine that the engine that was in operation on February 22, 2022, was an older engine that had been permitted under emission unit S-25 (Portable Diesel Engine) pursuant to the ATC for Application No. (AN) 28767. It appears the S-23 propane engine was replaced in October 2020 after it had a significant mechanical failure that was not repairable. At that time the S-23 propane engine was operating TPR110209 which was the primary tipper for all waste operations at the landfill as the newly permitted S-26 diesel tipper engine was not yet operational. In order to continue operations, Ox Mountain personnel reviewed the engines available onsite to determine if any of them were permitted and had the capacity to operate Tipper TPR110209. Based on their reviews, they decided to replace the S-23 propane engine with the S-25 diesel engine (permitted under Application No. 28767).

Engine Permit History

Ox Mountain has two tippers available for operation at all times. Prior to October 2016, these tippers were operated by the S-23 propane engine and the S-24 diesel engine. In October 2016, the S-25 diesel engine was permitted under the ATC for AN28767 issued on May 10, 2018, and expired in May 2020. In December 2019, BFIC purchased a brand new tipper chasse and engine to replace the S-25 engine and tipper chasse. The ATC for S-26 diesel engine was issued in April 2020. It should be noted that due to the timing of the S-26 permit application and the lag times in review/issuance of permits, a final Permit to Operate (PTO) was never issued for the S-25 engine. Additionally, the only engines ever listed within the various PTOs or Title V Permits for Ox Mountain were the S-23 and S-24 engines.

Identified Cause

Based on the information that BFIC was able to locate and correlate, there was a miscommunication and misunderstanding of the permit status of the S-25 diesel engine due to the changes in site conditions related to the permitting of the S-26 engine and associated tipper. It appears that Ox Mountain personnel were using the “S” emission units to refer to the actual tipper chasses not the engines that operate them. This led to confusion as to what was being replaced and decommissioned with the application/permitting of the S-26 engine and tipper. Therefore, personnel assumed the engine still had a valid permit and could be used to replace the S-23 engine.

Resolution

As of this report, the S-25 engine that was operating Tipper TPR110209 has not been operational since February 22, 2022. The site has been utilizing the S-26 tipper and associated engine and is currently evaluating potential replacement engines for the S-25 engine in order to have a second tipper in operation at the site. Additionally, BFIC has been providing training to Ox Mountain staff to educate them regarding this issue and the procedural steps that should be taken in the future prior to removing or replacing engines operating equipment at the site. BFIC believes with this additional training that this issue can be avoided in the future.

BFIC is committed to operating Ox Mountain's GCCS in compliance with all applicable regulations and will continue to ensure future compliance. If you have any questions or require additional information, please do not hesitate to contact me at (650) 713-3632.

Sincerely,
Ox Mountain

Benjamin Wade
Environmental Manager

Enclosures: Attachment A – Original 10-day Notification
Attachment B – Tipper Hour Log

cc: Romelle Guittap, BAAQMD
Travis Armstrong, BFIC
Joshua Mills, BFIC
Kendra Kent, Tetra Tech

Attachment A

Original 10-day Notification

REPUBLIC SERVICES

Browning-Ferris Industries of California, Inc. - Ox Mountain Landfill
12310 San Mateo Road, Half Moon Bay, CA 94019
P: (650) 713-3632 republicservices.com

March 4, 2022

Mr. Jeffrey Gove
Director of Compliance & Enforcement
Bay Area Air Quality Management District
Attn: Title V Reports
375 Beale Street, Suite 600
San Francisco, California 94105

Re: 10-Day Title V Deviation Notification
Ox Mountain Landfill, Facility Number A2266
Half Moon Bay, California

Dear Mr. Gove:

Pursuant to Title V Permit Standard Condition I.f., " *…all instances of noncompliance with the permit shall be reported in writing to the District's Compliance and Enforcement Division within 10 calendar days of the discovery of the incident. Within 30 calendar days of the discovery of any incident of non-compliance, the facility shall submit a written report including the probable cause of non-compliance and any corrective or preventative actions…..*" In accordance with this condition, Browning-Ferris Industries of California, Inc. (BFIC) is submitting this 10-day Title V Deviation Notification for the Ox Mountain Landfill (Ox Mountain [Facility Number A2266]) regarding emission unit S-23 (Portable Propane Engine Powering Tipper TPR110209) and potential deviations of Title V Permit Condition 25956 Parts 2 through 5.

On February 22, 2022, while preparing data for the Annual Criteria Toxics and Reporting (CTR) Update, current BFIC personnel discovered that emission unit S-23 was no longer operating/powering the Ox Mountain Tipper Unit TPR110209 as previously believed. With the submittal of this notification, BFIC is notifying BAAQMD that emission unit S-23 appears to be no longer operating. Tipper TPR110209 is not in use pending BFIC's ongoing investigation into this issue. BFIC will include all information discovered regarding this issue in the 30-day Title V Report that will be due to the BAAQMD by March 24, 2022.

BFIC is committed to operating its systems in compliance with all applicable regulations and will continue to ensure ongoing compliance with all applicable regulations and permit conditions to the best of our abilities.

March 4, 2022
Mr. Jeffrey Gove

If you have any questions or require additional information, please do not hesitate to contact me at (650) 713-3632.

Sincerely,

Ox Mountain

Benjamin Wade
Environmental Manager

cc: Romelle Guittap, BAAQMD
Travis Armstrong, BFIC
Joshua Mills, BFIC
Kendra Kent, Tetra Tech

Attachment B

S-25 Engine Hour Log

MONTHLY S-25 Tipper Operational Hours
OX MOUNTAIN LANDFILL, Half Moon Bay, CA

S-25 Tipper Engine

Month	Monthly Runtime (hours)[2]	12-Month Rolling Runtime (hours)[3]
January-20	0.00	0.00
February-20	0.00	0.00
March-20	0.00	0.00
April-20	0.00	0.00
May-20	0.00	0.00
June-20	0.00	0.00
July-20	0.00	0.00
August-20	0.00	0.00
September-20[1]	55.00	55.00
October-20	39.00	94.00
November-20	108.00	202.00
December-20	137.00	339.00
January-21	186.00	525.00
February-21	156.00	681.00
March-21	125.00	806.00
April-21	100.00	906.00
May-21	130.00	1,036.00
June-21	148.00	1,184.00
July-21	110.00	1,294.00
August-21	183.00	1,477.00
September-21	147.00	1,569.00
October-21	81.00	1,611.00
November-21	138.00	1,641.00
December-21	120.00	1,624.00
January-22	98.00	1,536.00
February-22[4]	70.00	1,450.00
TOTAL:	**2,131.00**	

NOTES:

[1]Tipper run time in September related to maintenance and testing to ensure engine remained operational condition for use.

[2]Monthly tipper operational hours are provide from BFIC site records.

[3]Total combined operating time shall not exceed 3,900 hours during any consecutive 12-month period.

[4]As of February 22, 2022, this engine is no longer in operation.

Archived: Wednesday, April 20, 2022 3:56:59 PM
From: Wade, Benjamin
Sent: Wed, 26 Jan 2022 19:46:38 +0000ARC
To: Nimrat Sandhu; jkimball@baaqmd.gov
Cc: Kent, Kendra
Subject: RE: A2266 - Amendment to NOV A59370 Response
Sensitivity: Normal
Attachments:
RE_ Shut down date for S-24 OX Mountain and NOx credits.msg; RE_ NST-5969 for S-26 Engine at Ox Mountain Landfill.msg; Amendment to NOV #A59370.pdf;

Nimrat and Jeremy,

Just want to follow up on the email below and whether Ox Mountain should expect response on the comments presented.

Thank you,

Ben Wade
Environmental Manager
Ox Mountain Landfill

12310 San Mateo Road
Half Moon Bay, CA 94019
e bwade@republicservices.com
o (650) 713-3632 c (650) 291-3882
f (650) 726-9183 w RepublicServices.com

From: Wade, Benjamin
Sent: Friday, October 1, 2021 7:52 AM
To: Nimrat Sandhu <nsandhu@baaqmd.gov>; jkimball@baaqmd.gov
Cc: Kent, Kendra <Kendra.Kent@tetratech.com>
Subject: A2266 - Amendment to NOV A59370 Response

Nimrat and Jeremy,

I am writing to correct a mistake regarding NOV A59370.

This week I received the attached letter stating the following:

A second occurrence date of 5/24/20 was added to the NOV for the failure to conduct a source test within 30 days of receipt of the Authority to Construct for Source #26. In the details section, on the face of the NOV, "failure to conduct source test within 30

days of receipt of AC for S26" was added.

The above statement does not reference the date when the Authority to Construct for Source #26 was actually received by the site and does not acknowledge an extension requested and received by the site to conduct the initial source test beyond 30 days of receive. Explanation for these two items follows

AC Receipt Date

On April 21, 2020, site representatives requested an update on the status of issuance for the AC for S26. The AC for S26 is dated April 23, 2020. BAAQMD personnel provided the AC for S26 to site representatives on April 28, 2020. Condition 5 of the AC states: "The Owner/Operator of S26 shall conduct a district approved source test within 30-days of receipt…". Since the AC was received on April 28, 2020; the AC required deadline for initial source test was May 28, 2020. This is four days after the stated violation occurrence date in the letter received.

his timeline is documented by the email "RE: Shut Down date for S-24 Ox Mountain and NOx credits" attached.

Extension Request and Approval

On May 27, 2020, site representatives sent an email to BAAQMD personnel requesting an extension to complete the initial source test beyond the required 30-day window. Ox Mountain had not yet received approval for the source test protocol the site had submitted on May 18, 2020 and requested approval of the STP prior to conducting the initial source test. BAAQMD personnel stated that Ox Mountain should delay the source test until M&M personnel had had opportunity to review the STP. BAAQMD provided an additional 30-days to complete the source test. This implies that the actual deadline to complete the source test was June 27, 2020.

This timeline is documented by the email "Re: NST-5969 for S-26 Engine at Ox Mountain Landfill"

Initial Source Test Date and Report Submittal

The initial source test was completed on June 15, 2020 and submitted the initial source test report on July 14, 2020 as prescribed by the AC and subsequent BAAQMD correspondence.

Conclusion

- The AC for S26 was not received until April 28, 2020.
- A 30-day test deadline extension to June 27, 2020 was granted to allow BAAQMD sufficient time to review the source test protocol prior to the test
- The initial source test was completed on June 15, 2020 and the report was submitted within 30-days on July 14, 2020.

Ox Mountain request that NOV A59370 be rescinded, as this timeline demonstrates that the initial source test and report submittal was completed as prescribed by the ATC.

Thank you for reviewing this documentation, I am confident that the site adhered to AC requirements and subsequent BAAQMD guidance throughout the initial source test and reporting, and subsequent retests, please do not hesitate to contact me if you have any further questions regarding the timeline and I will be happy to assist to resolve any additional misunderstandings. This email serves as my 10-day response to the NOV amendment.

Regards,

Ben Wade
Environmental Manager
Ox Mountain Landfill

12310 San Mateo Road
Half Moon Bay, CA 94019
e bwade@republicservices.com
o (650) 713-3632 c (650) 291-3882
f (650) 726-9183 w RepublicServices.com

Archived: Wednesday, April 20, 2022 3:58:40 PM
From: Wade, Benjamin
Sent: Mon, 7 eb 2022 16:54:14 +0000ARC
To: Nimrat Sandhu
Cc: Mills, Josh; Armstrong, Travis; Kent, Kendra; Pankenier, Su an; Romelle uittap
Subject: A2266 - Courtesy Notification of Blower Skid pgrade
Sensitivity: Normal
Attachments:
Ox Mountain Notification of Blower Skid pdate 2022.02.07.pdf

Nimrat,

The attached letter serves as notification of BFIC s intent to perform a blower skid upgrade for the landfill gas collection and control system at the Ox Mountain Landfill.

Please do not hesitate to reach out to myself or Kendra Kent with any questions or comments regarding the attached.

Thank you,

Ben Wade
Environmental Manager
Ox Mountain Landfill

12310 San Mateo Road
Half Moon Bay, CA 94019
e bwade@republicservices.com
o (650) 713-3632 c (650) 291-3882
f (650) 726-9183 w RepublicServices.com

Archived: Wednesday, April 20, 2022 4:03:24 PM
From: srael, Nat
Sent: Wed, 2 Mar 2022 18:29:23 +0000Authentication
To: ftanaka@baaqmd.gov; permits@baaqmd.gov
Cc: Kent, Kendra
Subject: W: 2021 Annual ata pdate for Ox Mountain acility A2266
Sensitivity: Normal
Attachments:
Ox Mountain_A2266_Annual pdate and CTR orm_ inal.pdf;

Mr. Tanka,

Due to a emailing error, the annual update was not delivered yesterday. Below is the original email and attached is the 2021 Annual Data pdate for Ox Mountain (Facility A2266). Please let me know if you have received this document. Please let me know you have any questions.

Thanks,

Nat Israel | Compliance Specialist
Mobile **+1 (530) 409-0225** |
Nat.Israel@tetratech.com

Tetra Tech | *Leading with Science*® | Solid Waste West | Methane Gas Group
7600 Dublin Blvd., Suite 200 | Dublin, CA 94568 | tetratech.com

---

From: Israel, Nat
Sent: Tuesday, March 1, 2022 7:48 AM
To: ftanaka@BAAQMD.com; permits@baaqmd.com
Cc: Kent, Kendra <Kendra.Kent@tetratech.com>; Wade, Benjamin <BWade@republicservices.com>; Armstrong, Travis <TArmstrong2@republicservices.com>
Subject: 2021 Annual Data pdate for Ox Mountain (Facility A2266)

Mr. Tanka,

On behalf of Browning-Ferris Industries of California, Inc. (BFIC) the owner and operator of the Ox Mountain Landfill (Facility A2266), we are submitting the attached Annual Data pdate and Facility Information pdate Form for your review and use.

Please let me know if you have any questions or need any additional information.

Thanks,

Nat Israel | Compliance Specialist
Mobile **+1 (530) 409-0225** |
Nat.Israel@tetratech.com

Tetra Tech | *Leading with Science*® | Solid Waste West | Methane Gas Group
7600 Dublin Blvd., Suite 200 | Dublin, CA 94568 | tetratech.com

While we are operating remotely in response to COVID-19, Tetra Tech teams remain fully connected and hard at work servicing our clients and ongoing projects. We also would like to wish health and wellness to you and your family.

Archived: Wednesday, April 20, 2022 4:08:58 PM
From: Raymond Salalila
Sent: Wed, 16 Mar 2022 14:35:33 +0000ARC
To: Kent, Kendra
Cc: Compliance; ARB Landfill Methane Regulation LMR ; bwade@republicservices.com; Armstrong, Travis; Mills, Joshua ; srael, Nat; Newell, Alex
Subject: Re: Ox Mountain Landfill 2021 Annual AB-32 Landfill Methane Rule Report-Part 2
Sensitivity: Normal

Both reports received.

Thank you,

Air uality Specialist

Compliance and Enforcement ivision

Bay Area Air uality Management istrict

375 Beale Street, Suite 600, San rancisco, CA 94105-2097

Office ours: M-Th, 7:00 a.m. 4:30 p.m.; ri limited availability , 7:00 a.m. 3:30 p.m.

Tel: 415.749.4704 Cell: 415.760.1094

rsalalila@baaqmd.gov

On Mar 15, 2022 3:50 PM, Kent, Kendra Kendra.Kent@tetratech.com wrote:

On behalf of Browning-Ferris Industries of California, Inc., the owner and operator of the Ox Mountain Landfill (Facility A2266), Tetra Tech is submitting the attached 2021 Annual AB-32 Landfill Methane Rule Report for your review. The report is being submitted by email only. Hardcopies are available upon request. Due to file size, the report will be sent in a total of two (2) parts. This is Part 2 of 2.

If you could confirm your receipt of both parts of the report, it would be very much appreciated.

Please let us know if you have any questions.

Thanks,

Kendra

endra ent | Senior Compliance Specialist
Direct **+1 (520) 52 - 2 0** | Mobile **+1 (520) 2 5-01 9** | a **+1 (520) -4 04** | endra. ent@tetratech.com

Tetra Tech | *Leading with Science*® | Solid Waste West | Methane Gas Group
800 Wetmore Road, Suite 2 0 | ucson, Ari ona 857 9 | tetratech.com | .cornestoneeg.com

While we are operating remotely in response to COVID-19, Tetra Tech teams remain fully connected and hard at work servicing our clients and ongoing projects. We also would like to wish health and wellness to you and your family.

Archived: Wednesday, April 20, 2022 4:09:38 PM
From: Kent, Kendra
Sent: Sat, 25 ec 2021 16:47:05 +0000Authentication
To: rca@baaqmd.gov
Cc: Ben Wade; srael, Nat; Newbrough, Rob; Pankenier, Su an
Subject: Ox Mountain Landfill - acility A2266 - Breakdown Relief Notification 12-25-2021
Sensitivity: Normal

To hom it May Concern,

Tetra Tech is submitting this email notification for breakdown relief on behalf of our client, Browning-Ferris of California, Inc. who owns and operates Ox Mountain Landfill (A2266). At approximately 12 3 AM Ox Mountain experienced an unplanned full sitewide power shutdown originated by P . Power appears to have been partially restored at approximately 00 AM. The site is currently investigating the outage and will provide a detailed RCA form in the next 2 hours.

If you have any questions or need additional information, please let us know

Thanks,
Kendra

endra ent | Senior Compliance Specialist
Direct **+1 (520) 52 - 2 0** | Mobile **+1 (520) 2 5-01 9** | a **+1 (520) -4 04** | endra. ent@tetratech.com

Tetra Tech | *Leading with Science*® | Solid Waste West | Methane Gas Group
800 Wetmore Road, Suite 2 0 | ucson, Ari ona 857 9 | tetratech.com | .cornestoneeg.com

While we are operating remotely in response to COVID-19, Tetra Tech teams remain fully connected and hard at work servicing our clients and ongoing projects. We also would like to wish health and wellness to you and your family.

Kent, Kendra

From: Wade, Benjamin <BWade@republicservices.com>
Sent: Friday, October 1, 2021 11:26 AM
To: Kent, Kendra
Cc: Bowen, Maria; Israel, Nat; Armstrong, Travis
Subject: FW: MFR - Administrative Amendment Final Title V Permit for Browning-Ferris -- Plant A2266, Application 31368 -
Attachments: A2266_09_30_2021_AA_Final Permit_Cover_03_Signed.pdf; A2266_09_30_2021_AA_Final Permit_02.pdf; A2266_09_30_2021_AA_Final_Facility_Ltr_Signed.pdf

Categories: Ox Mountain

Kendra,

It appears the RO change application has been processed. See attached.

Ben Wade
Environmental Manager
Ox Mountain Landfill

12310 San Mateo Road
Half Moon Bay, CA 94019
e bwade@republicservices.com
o (650) 713-3632 c (650) 291-3882
f (650) 726-9183 w RepublicServices.com

From: Armstrong, Travis <TArmstrong2@republicservices.com>
Sent: Friday, October 1, 2021 11:24 AM
To: Wade, Benjamin <BWade@republicservices.com>
Subject: FW: MFR - Administrative Amendment Final Title V Permit for Browning-Ferris -- Plant A2266, Application 31368 -

Travis L Armstrong
General Manager
Peninsula / San Mateo County

1680 Edgeworth Avenue
Daly City, CA 94015

e tarmstrong2@republicservices.com
o 6507133620 c 7149315685
w RepublicServices.com

From: May Leung <MLeung@baaqmd.gov>
Sent: Friday, October 1, 2021 11:16 AM
To: Armstrong, Travis <TArmstrong2@republicservices.com>
Cc: Dennis Jang <DJang@baaqmd.gov>; Sanjeev Kamboj <Skamboj@baaqmd.gov>; Pamela Leong <PLeong@baaqmd.gov>; Gregory Solomon <gsolomon@baaqmd.gov>; Nimrat Sandhu <nsandhu@baaqmd.gov>
Subject: MFR - Administrative Amendment Final Title V Permit for Browning-Ferris -- Plant A2266, Application 31368 -

Hi Travis:

This is to advise you that the Bay Area Air Quality Management District is issuing an administrative amendment to the Major Facility Review permit for your facility.

Plant No.	Plant Name	Application No.	City	County
A2266	Browning-Ferris Industries of CA, Inc.- Ox Mountain Landfill	31368	Half Moon Bay	San Mateo

Final Issuance date September 30, 2021.

Attachments:
1-Facility Letter dated 9-30-2021
2-Final Title V Permit Cover - Signed
3-Final Title V Permit 9-30-2021.

Note:
From – EPA-CDX Electronic Permit System:
This e-mail is to inform you that the following was successfully submitted through the Electronic Permit System (EPS).

Submission Details:
Permit Action Title: A2266, 31368 - Ox Mountain - AA Final Title V Permit
Permitting Authority: BAY AREA AQMD

If additional information is needed to commence review of your submittal, an EPA staff member will contact you shortly.

Click here to download a copy of the submission.

If you are a Permitting Authority user, click here to access the permit review page.

If you are an EPA user, click here to access the permit review page.

If you believe that this email is not intended for you, please contact the CDX Help Desk by email at helpdesk@epacdx.net or by calling the CDX Technical Support Staff through our toll free telephone support at 888-890-1995 Monday through Friday from 8:00 am to 6:00 pm ET. For International callers, the CDX Help Desk can also be reached at (970) 494-5500.

May Y. Leung
Air Quality Permit Technician - Engineering Division
375 Beale Street, Suite 600 | San Francisco, CA 94105
☎Tel: (415) 749-4729 | Fax: (415) 749-5030
mleung@baaqmd.gov | www.baaqmd.gov

BAY AREA AIR QUALITY MANAGEMENT DISTRICT

Please consider the environment before printing this e-mail.

In response to the Covid-19/Coronavirus situation, the Engineering staff is telecommuting.
We are currently being instructed to work remotely until at least May 3. Please include your plant number or facility number on all correspondence.

September 30, 2021

Browning-Ferris Industries of CA, Inc. -
Ox Mountain Landfill
12310 San Mateo Road
Half Moon Bay, CA 94019

Attention: Travis Armstrong

Application Number: 31368
Plant Number: A2266
Equipment Location: Same as above

Dear Mr. Armstrong:

This is to advise you that the Bay Area Air Quality Management District is issuing an administrative amendment to the Major Facility Review permit for your facility.

The purpose of this amendment is to designate Mr. Travis Armstrong, General Manager, as the responsible official and facility contact for Title V.

Enclosed is a copy of the final permit. If you have any questions regarding this administrative amendment, please call May Leung, Title V Air Quality Permit Technician, at mleung@baaqmd.gov.

Sincerely yours,

Pamela Leong Digitally signed by Pamela Leong DN: cn=Pamela Leong, o, ou, email=pleong@baaqmd.gov, c=US Date: 2021.09.30 17:40:53 -07'00'

Pamela J. Leong
Director of Engineering

PJL:myl

Enclosure

Bay Area Air Quality Management District

375 Beale Street, Suite 600
San Francisco, CA 94105
(415) 771-5000

Final

MAJOR FACILITY REVIEW PERMIT

Issued To:

Browning-Ferris Industries of California, Inc. - Ox Mountain Landfill

Facility #A2266

Facility Address:
12310 San Mateo Road
Half Moon Bay, CA 94019

Mailing Address:
12310 San Mateo Road
Half Moon Bay, CA 94019

Responsible Official	**Facility Contact**
Travis Armstrong, General Manager	Travis Armstrong, General Manager
(650) 713-3632	(650) 713-3632

Type of Facility: MSW Landfill
Primary SIC: 4953
Product: Collection and Disposal of Solid Waste

BAAQMD Engineering Division Contact:
Nimrat Sandhu

ISSUED BY THE BAY AREA AIR QUALITY MANAGEMENT DISTRICT

Pamela J. Leong, Director of Engineering

September 30, 2021
Date

APPENDIX C

WELL SSM LOG

CONTROL DEVICE AND LFG COLLECTION SYSTEM DOWNTIME LOG

AFFECTED EQUIPMENT: Wellfield

Ox Mountain Landfill - Half Moon Bay, California

SSMP REPORT - From October 1, 2021 through March 31, 2022

Identify Well & Check Applicable Event	(1) Start of Event Date and Time	(2) End of Event Date and Time	(3) Duration of Event (Hours)	(4) Duration Shutdown (Hours)	(5) Cause or Reason	(6) Applicable 8-34 Exemption	(7) Date Form Completed	(8) Type of Event (Startup and Shutdown Events Only)	
Well ID Number: OXHC2015	10/04/21 07:31	10/04/21 07:33	0.03	4.83 hours	Well offline due to maintenance.	X 113: Inspection and Maintenance	10/4/2021	X	Manual
Startup Event						116: Well Raising			
X Shutdown Event						117: Gas Collection			Automatic
Malfunction Event						118: Construction Activities			
Well ID Number: OXHC2015	10/04/21 12:21	10/04/21 12:23	0.03			X 113: Inspection and Maintenance	10/4/2021	X	Manual
X Startup Event						116: Well Raising			
Shutdown Event						117: Gas Collection			Automatic
Malfunction Event						118: Construction Activities			
Well ID Number: OXHC2015	10/15/21 13:00	10/15/21 13:02	0.03	2.00 hours	Well offline due to maintenance.	X 113: Inspection and Maintenance	10/15/2021	X	Manual
Startup Event						116: Well Raising			
X Shutdown Event						117: Gas Collection			Automatic
Malfunction Event						118: Construction Activities			
Well ID Number: OXHC2015	10/15/21 15:00	10/15/21 15:02	0.03			X 113: Inspection and Maintenance	10/15/2021	X	Manual
X Startup Event						116: Well Raising			
Shutdown Event						117: Gas Collection			Automatic
Malfunction Event						118: Construction Activities			
Well ID Number: OXLCRS9A	11/10/21 11:14	11/10/21 11:16	0.03		Well start up pursuant to Application Number (A/N) 30889.	113: Inspection and Maintenance	11/10/2021	X	Manual
X Startup Event						116: Well Raising			
Shutdown Event						X 117: Gas Collection			Automatic
Malfunction Event						118: Construction Activities			
Well ID Number:						113: Inspection and Maintenance			Manual
Startup Event						116: Well Raising			
Shutdown Event						117: Gas Collection			Automatic
Malfunction Event						118: Construction Activities			
Well ID Number: OXLCRS9B	11/10/21 11:19	11/10/21 11:21	0.03		Well start up pursuant to A/N 30889.	113: Inspection and Maintenance	11/10/2021	X	Manual
X Startup Event						116: Well Raising			
Shutdown Event						X 117: Gas Collection			Automatic
Malfunction Event						118: Construction Activities			
Well ID Number:						113: Inspection and Maintenance			Manual
Startup Event						116: Well Raising			
Shutdown Event						117: Gas Collection			Automatic
Malfunction Event						118: Construction Activities			
Well ID Number: OXLCRS10	11/10/21 11:39	11/10/21 11:41	0.03		Well start up pursuant to A/N 30889.	113: Inspection and Maintenance	11/10/2021	X	Manual
X Startup Event						116: Well Raising			
Shutdown Event						X 117: Gas Collection			Automatic
Malfunction Event						118: Construction Activities			
Well ID Number:						113: Inspection and Maintenance			Manual
Startup Event						116: Well Raising			
Shutdown Event						117: Gas Collection			Automatic
Malfunction Event						118: Construction Activities			
Well ID Number: OXLCRS11	11/10/21 11:47	11/10/21 11:49	0.03		Well start up pursuant to A/N 30889.	113: Inspection and Maintenance	11/10/2021	X	Manual
X Startup Event						116: Well Raising			
Shutdown Event						X 117: Gas Collection			Automatic
Malfunction Event						118: Construction Activities			
Well ID Number:						113: Inspection and Maintenance			Manual
Startup Event						116: Well Raising			
Shutdown Event						117: Gas Collection			Automatic
Malfunction Event						118: Construction Activities			

CONTROL DEVICE AND LFG COLLECTION SYSTEM DOWNTIME LOG

AFFECTED EQUIPMENT: Wellfield

Ox Mountain Landfill - Half Moon Bay, California

SSMP REPORT - From October 1, 2021 through March 31, 2022

Identify Well & Check Applicable Event	(1) Start of Event Date and Time	(2) End of Event Date and Time	(3) Duration of Event (Hours)	(4) Duration Shutdown (Hours)	(5) Cause or Reason	(6) Applicable 8-34 Exemption	(7) Date Form Completed	(8) Type of Event (Startup and Shutdown Events Only)	
Well ID Number: OXEW2108	11/15/21 10:30	11/15/21 10:32	0.03	30.00 hours	Well offline due to maintenance.	X 113: Inspection and Maintenance	11/15/2021	X	Manual
Startup Event						116: Well Raising			
X Shutdown Event						117: Gas Collection			Automatic
Malfunction Event						118: Construction Activities			
Well ID Number: OXEW2108	11/16/21 16:30	11/16/21 16:32	0.03			X 113: Inspection and Maintenance	11/16/2021	X	Manual
X Startup Event						116: Well Raising			
Shutdown Event						117: Gas Collection			Automatic
Malfunction Event						118: Construction Activities			
Well ID Number: OXEW2026	11/15/21 10:31	11/15/21 10:33	0.03	30.00 hours	Well offline due to maintenance.	X 113: Inspection and Maintenance	11/15/2021	X	Manual
Startup Event						116: Well Raising			
X Shutdown Event						117: Gas Collection			Automatic
Malfunction Event						118: Construction Activities			
Well ID Number: OXEW2026	11/16/21 16:31	11/16/21 16:33	0.03			X 113: Inspection and Maintenance	11/16/2021	X	Manual
X Startup Event						116: Well Raising			
Shutdown Event						117: Gas Collection			Automatic
Malfunction Event						118: Construction Activities			
Well ID Number: OXHC2101	12/21/21 11:46	12/21/21 11:48	0.03		Well start up pursuant to A/N 30889.	113: Inspection and Maintenance	12/21/2021	X	Manual
X Startup Event						116: Well Raising			
Shutdown Event						X 117: Gas Collection			Automatic
Malfunction Event						118: Construction Activities			
Well ID Number:						113: Inspection and Maintenance			Manual
Startup Event						116: Well Raising			
Shutdown Event						117: Gas Collection			Automatic
Malfunction Event						118: Construction Activities			
Well ID Number: OXMEWW15	1/28/22 09:05	1/28/22 09:07	0.03		Well decommissioned due to poor gas quality pursuant to A/N 30889.	113: Inspection and Maintenance	1/28/2022	X	Manual
Startup Event						116: Well Raising			
X Shutdown Event						X 117: Gas Collection			Automatic
Malfunction Event						118: Construction Activities			
Well ID Number:						113: Inspection and Maintenance			Manual
Startup Event						116: Well Raising			
Shutdown Event						117: Gas Collection			Automatic
Malfunction Event						118: Construction Activities			

APPENDIX D

FLARE AND IC ENGINES SSM LOG

CONTROL DEVICE AND LFG COLLECTION SYSTEM DOWNTIME LOG

AFFECTED EQUIPMENT: A-7 Flare

Ox Mountain Landfill - Half Moon Bay, California

SSMP REPORT - From October 1, 2021 through March 31, 2022

Identify Flare & Check Applicable Event	(1) Start of Event Date and Time	(2) End of Event Date and Time	(3) Duration of Event (Hours)	(4) Duration Shutdown (Hours)	(5) Cause or Reason	(6) Applicable 8-34 Exemption	(7) Date Form Completed	(8) Type of Event (Startup and Shutdown Events Only)
Component: A-7 Flare	10/06/21 09:44	10/06/21 09:46	0.03	0.97 hours	Flare shut down due to flame failure.	117: Gas Collection	10/6/2021	Automatic
X Malfunction Event								
Component: A-7 Flare	10/06/21 10:42	10/06/21 10:44	0.03			117: Gas Collection	10/6/2021	Manual
X Startup Event								
Component: A-7 Flare	10/19/21 11:44	10/19/21 11:46	0.03	0.37 hours	Flare shut down due to high temperature.	117: Gas Collection	10/19/2021	Automatic
X Shutdown Event								
Component: A-7 Flare	10/19/21 12:06	10/19/21 12:08	0.03			117: Gas Collection	10/19/2021	Manual
X Startup Event								
Component: A-7 Flare	10/21/21 10:30	10/21/21 10:32	0.03	47.53 hours	Flare shut down due to a Pacific Gas and Electric (PG&E) power outage.	117: Gas Collection	10/21/2021	Automatic
X Shutdown Event								
Component: A-7 Flare	10/23/21 10:02	10/23/21 10:04	0.03			117: Gas Collection	10/23/2021	Manual
X Startup Event								
Component: A-7 Flare	10/24/21 05:08	10/24/21 05:10	0.03	52.30 hours	Flare shut down due to a PG&E power outage.	117: Gas Collection	10/24/2021	Automatic
X Shutdown Event								
Component: A-7 Flare	10/26/21 09:26	10/26/21 09:28	0.03			117: Gas Collection	10/26/2021	Manual
X Startup Event								
Component: A-7 Flare	11/14/21 14:14	11/14/21 14:16	0.03	0.23 hours	Flare shutdown for low temperature due to an increase of vacuum at the A-9 Flare and Ameresco landfill gas to energy facility (LFGTE).	117: Gas Collection	11/14/2021	Automatic
X Shutdown Event								
Component: A-7 Flare	11/14/21 14:28	11/14/21 14:30	0.03			117: Gas Collection	11/14/2021	Manual
X Startup Event								
Component: A-7 Flare	11/15/21 10:42	11/15/21 10:44	0.03	1.80 hours	Flare shut down due to an air leak in the wellfield.	113: Inspection and Maintenance	11/15/2021	Automatic
X Shutdown Event								
Component: A-7 Flare	11/15/21 12:30	11/15/21 12:32	0.03			113: Inspection and Maintenance	11/15/2021	Manual
X Startup Event								

CONTROL DEVICE AND LFG COLLECTION SYSTEM DOWNTIME LOG

AFFECTED EQUIPMENT: A-7 Flare

Ox Mountain Landfill - Half Moon Bay, California

SSMP REPORT - From October 1, 2021 through March 31, 2022

Identify Flare & Check Applicable Event	(1) Start of Event Date and Time	(2) End of Event Date and Time	(3) Duration of Event (Hours)	(4) Duration Shutdown (Hours)	(5) Cause or Reason	(6) Applicable 8-34 Exemption	(7) Date Form Completed	(8) Type of Event (Startup and Shutdown Events Only)
Component: A-7 Flare	12/02/21 08:50	12/02/21 08:52	0.03	0.53 hours	Flare shut down due to low temperature.	113: Inspection and Maintenance 116: Well Raising X 117: Gas Collection 118: Construction Activities	12/2/2021	Manual X Automatic
Component: A-7 Flare	12/02/21 09:22	12/02/21 09:24	0.03			113: Inspection and Maintenance 116: Well Raising X 117: Gas Collection 118: Construction Activities	12/2/2021	X Manual Automatic
Component: A-7 Flare	12/02/21 10:28	12/02/21 10:30	0.03	0.17 hours	Flare shut down due to low temperature.	113: Inspection and Maintenance 116: Well Raising X 117: Gas Collection 118: Construction Activities	12/2/2021	Manual X Automatic
Component: A-7 Flare	12/02/21 10:38	12/02/21 10:40	0.03			113: Inspection and Maintenance 116: Well Raising X 117: Gas Collection 118: Construction Activities	12/2/2021	Manual X Automatic
Component: A-7 Flare	12/06/21 10:20	12/06/21 10:22	0.03	0.20 hours	Flare shut down due to low temperature.	113: Inspection and Maintenance 116: Well Raising X 117: Gas Collection 118: Construction Activities	12/6/2021	Manual X Automatic
Component: A-7 Flare	12/06/21 10:32	12/06/21 10:34	0.03			113: Inspection and Maintenance 116: Well Raising X 117: Gas Collection 118: Construction Activities	12/6/2021	Manual X Automatic
Component: A-7 Flare	12/21/21 21:54	12/21/21 21:56	0.03	1.33 hours	Flare shut down due to high temperature caused by a false alarm at the Ameresco LFGTE facility.	113: Inspection and Maintenance 116: Well Raising X 117: Gas Collection 118: Construction Activities	12/21/2021	Manual X Automatic
Component: A-7 Flare	12/21/21 23:14	12/21/21 23:16	0.03			113: Inspection and Maintenance 116: Well Raising X 117: Gas Collection 118: Construction Activities	12/21/2021	X Manual Automatic
Component: A-7 Flare	12/25/21 00:54	12/25/21 00:56	0.03	56.83 hours	Flare shut down due an unplanned PG&E outage.	113: Inspection and Maintenance 116: Well Raising X 117: Gas Collection 118: Construction Activities	12/25/2021	Manual X Automatic
Component: A-7 Flare	12/27/21 09:44	12/27/21 09:46	0.03			113: Inspection and Maintenance 116: Well Raising X 117: Gas Collection 118: Construction Activities	12/27/2021	X Manual Automatic
Component: A-7 Flare	12/31/21 22:20	12/31/21 22:22	0.03	59.93 hours	Flare shut down due to flame failure.	113: Inspection and Maintenance 116: Well Raising X 117: Gas Collection 118: Construction Activities	12/31/2021	Manual X Automatic
Component: A-7 Flare	1/03/22 10:16	1/03/22 10:18	0.03			113: Inspection and Maintenance 116: Well Raising X 117: Gas Collection 118: Construction Activities	1/3/2022	X Manual Automatic

CONTROL DEVICE AND LFG COLLECTION SYSTEM DOWNTIME LOG

AFFECTED EQUIPMENT: A-7 Flare

Ox Mountain Landfill - Half Moon Bay, California

SSMP REPORT - From October 1, 2021 through March 31, 2022

Identify Flare & Check Applicable Event	(1) Start of Event Date and Time	(2) End of Event Date and Time	(3) Duration of Event (Hours)	(4) Duration Shutdown (Hours)	(5) Cause or Reason	(6) Applicable 8-34 Exemption	(7) Date Form Completed	(8) Type of Event (Startup and Shutdown Events Only)	
Component: A-7 Flare	1/11/22 11:56	1/11/22 11:58	0.03	0.43 hours	Flare shut down due to high temperature.	113: Inspection and Maintenance	1/11/2022		Manual
Startup Event						116: Well Raising			
X Shutdown Event						X 117: Gas Collection		X	Automatic
Malfunction Event						118: Construction Activities			
Component: A-7 Flare	1/11/22 12:22	1/11/22 12:24	0.03			113: Inspection and Maintenance	1/11/2022	X	Manual
X Startup Event						116: Well Raising			
Shutdown Event						X 117: Gas Collection			Automatic
Malfunction Event						118: Construction Activities			
Component: A-7 Flare	1/17/22 10:52	1/17/22 10:54	0.03	0.53 hours	Flare shut down due to A-9 Flare component leak inspection.	X 113: Inspection and Maintenance	1/17/2022	X	Manual
Startup Event						116: Well Raising			
X Shutdown Event						117: Gas Collection			Automatic
Malfunction Event						118: Construction Activities			
Component: A-7 Flare	1/17/22 11:24	1/17/22 11:26	0.03			X 113: Inspection and Maintenance	1/17/2022	X	Manual
X Startup Event						116: Well Raising			
Shutdown Event						117: Gas Collection			Automatic
Malfunction Event						118: Construction Activities			
Component: A-7 Flare	1/19/22 01:06	1/19/22 01:08	0.03	7.17 hours	Flare shut down due to flame failure.	113: Inspection and Maintenance	1/19/2022		Manual
Startup Event						116: Well Raising			
Shutdown Event						X 117: Gas Collection		X	Automatic
X Malfunction Event						118: Construction Activities			
Component: A-7 Flare	1/19/22 08:16	1/19/22 08:18	0.03			113: Inspection and Maintenance	1/19/2022	X	Manual
X Startup Event						116: Well Raising			
Shutdown Event						X 117: Gas Collection			Automatic
Malfunction Event						118: Construction Activities			
Component: A-7 Flare	1/31/22 10:06	1/31/22 10:08	0.03	0.10 hours	Flare shut down due to flame failure.	113: Inspection and Maintenance	1/31/2022		Manual
Startup Event						116: Well Raising			
Shutdown Event						X 117: Gas Collection		X	Automatic
X Malfunction Event						118: Construction Activities			
Component: A-7 Flare	1/31/22 10:12	1/31/22 10:14	0.03			113: Inspection and Maintenance	1/31/2022	X	Manual
X Startup Event						116: Well Raising			
Shutdown Event						X 117: Gas Collection			Automatic
Malfunction Event						118: Construction Activities			
Component: A-7 Flare	2/09/22 10:02	2/09/22 10:04	0.03	0.30 hours	Flare shut down due to low temperature.	113: Inspection and Maintenance	2/9/2022		Manual
Startup Event						116: Well Raising			
X Shutdown Event						X 117: Gas Collection		X	Automatic
Malfunction Event						118: Construction Activities			
Component: A-7 Flare	2/09/22 10:20	2/09/22 10:22	0.03			113: Inspection and Maintenance	2/9/2022	X	Manual
X Startup Event						116: Well Raising			
Shutdown Event						X 117: Gas Collection			Automatic
Malfunction Event						118: Construction Activities			
Component: A-7 Flare	2/15/22 10:58	2/15/22 11:00	0.03	0.20 hours	Flare shut down due to low temperature.	113: Inspection and Maintenance	2/15/2022		Manual
Startup Event						116: Well Raising			
X Shutdown Event						X 117: Gas Collection		X	Automatic
Malfunction Event						118: Construction Activities			
Component: A-7 Flare	2/15/22 11:10	2/15/22 11:12	0.03			113: Inspection and Maintenance	2/15/2022	X	Manual
X Startup Event						116: Well Raising			
Shutdown Event						X 117: Gas Collection			Automatic
Malfunction Event						118: Construction Activities			

CONTROL DEVICE AND LFG COLLECTION SYSTEM DOWNTIME LOG

AFFECTED EQUIPMENT: A-7 Flare

Ox Mountain Landfill - Half Moon Bay, California

SSMP REPORT - From October 1, 2021 through March 31, 2022

Identify Flare & Check Applicable Event	(1) Start of Event Date and Time	(2) End of Event Date and Time	(3) Duration of Event (Hours)	(4) Duration Shutdown (Hours)	(5) Cause or Reason	(6) Applicable 8-34 Exemption	(7) Date Form Completed	(8) Type of Event (Startup and Shutdown Events Only)	
Component: A-7 Flare	2/19/22 03:38	2/19/22 03:40	0.03	5.70 hours	Flare shut down due to high temperature.	113: Inspection and Maintenance 116: Well Raising X 117: Gas Collection 118: Construction Activities	2/19/2022		Manual
Startup Event								X	Automatic
X Shutdown Event									
Malfunction Event									
Component: A-7 Flare	2/19/22 09:20	2/19/22 09:22	0.03			113: Inspection and Maintenance 116: Well Raising X 117: Gas Collection 118: Construction Activities	2/19/2022	X	Manual
X Startup Event									Automatic
Shutdown Event									
Malfunction Event									
Component: A-7 Flare	2/21/22 13:14	2/21/22 13:16	0.03	0.83 hours	Flare shut down due to high temperature.	113: Inspection and Maintenance 116: Well Raising X 117: Gas Collection 118: Construction Activities	2/21/2022		Manual
Startup Event								X	Automatic
X Shutdown Event									
Malfunction Event									
Component: A-7 Flare	2/21/22 14:04	2/21/22 14:06	0.03			113: Inspection and Maintenance 116: Well Raising X 117: Gas Collection 118: Construction Activities	2/21/2022	X	Manual
X Startup Event									Automatic
Shutdown Event									
Malfunction Event									
Component: A-7 Flare	2/28/22 22:16	2/28/22 22:18	0.03	9.80 hours	Flare shut down due to flame failure.	113: Inspection and Maintenance 116: Well Raising X 117: Gas Collection 118: Construction Activities	2/28/2022		Manual
Startup Event								X	Automatic
Shutdown Event									
X Malfunction Event									
Component: A-7 Flare	3/01/22 08:04	3/01/22 08:06	0.03			113: Inspection and Maintenance 116: Well Raising X 117: Gas Collection 118: Construction Activities	3/1/2022	X	Manual
X Startup Event									Automatic
Shutdown Event									
Malfunction Event									
Component: A-7 Flare	3/02/22 00:22	3/02/22 00:24	0.03	8.07 hours	Flare shut down due to flame failure.	113: Inspection and Maintenance 116: Well Raising X 117: Gas Collection 118: Construction Activities	3/2/2022		Manual
Startup Event								X	Automatic
Shutdown Event									
X Malfunction Event									
Component: A-7 Flare	3/02/22 08:26	3/02/22 08:28	0.03			113: Inspection and Maintenance 116: Well Raising X 117: Gas Collection 118: Construction Activities	3/2/2022	X	Manual
X Startup Event									Automatic
Shutdown Event									
Malfunction Event									
Component: A-7 Flare	3/02/22 09:50	3/02/22 09:52	0.03	0.23 hours	Flare shut down due to flame failure.	113: Inspection and Maintenance 116: Well Raising X 117: Gas Collection 118: Construction Activities	3/2/2022		Manual
Startup Event								X	Automatic
Shutdown Event									
X Malfunction Event									
Component: A-7 Flare	3/02/22 10:04	3/02/22 10:06	0.03			113: Inspection and Maintenance 116: Well Raising X 117: Gas Collection 118: Construction Activities	3/2/2022	X	Manual
X Startup Event									Automatic
Shutdown Event									
Malfunction Event									
Component: A-7 Flare	3/02/22 10:34	3/02/22 10:36	0.03	0.03 hours	Flare shut down due to flame failure.	113: Inspection and Maintenance 116: Well Raising X 117: Gas Collection 118: Construction Activities	3/2/2022		Manual
Startup Event								X	Automatic
Shutdown Event									
X Malfunction Event									
Component: A-7 Flare	3/02/22 10:36	3/02/22 10:38	0.03			113: Inspection and Maintenance 116: Well Raising X 117: Gas Collection 118: Construction Activities	3/2/2022		Manual
X Startup Event								X	Automatic
Shutdown Event									
Malfunction Event									

CONTROL DEVICE AND LFG COLLECTION SYSTEM DOWNTIME LOG

AFFECTED EQUIPMENT: A-7 Flare

Ox Mountain Landfill - Half Moon Bay, California

SSMP REPORT - From October 1, 2021 through March 31, 2022

Identify Flare & Check Applicable Event	(1) Start of Event Date and Time	(2) End of Event Date and Time	(3) Duration of Event (Hours)	(4) Duration Shutdown (Hours)	(5) Cause or Reason	(6) Applicable 8-34 Exemption	(7) Date Form Completed	(8) Type of Event (Startup and Shutdown Events Only)	
Component: A-7 Flare	3/02/22 11:22	3/02/22 11:24	0.03	21.00 hours	Flare shut down due to flame failure.	113: Inspection and Maintenance	3/2/2022		Manual
Startup Event						116: Well Raising			
Shutdown Event						X 117: Gas Collection		X	Automatic
X Malfunction Event						118: Construction Activities			
Component: A-7 Flare	3/03/22 08:22	3/03/22 08:24	0.03			113: Inspection and Maintenance	3/3/2022	X	Manual
X Startup Event						116: Well Raising			
Shutdown Event						X 117: Gas Collection			Automatic
Malfunction Event						118: Construction Activities			
Component: A-7 Flare	3/03/22 14:24	3/03/22 14:26	0.03	17.73 hours	Flare shut down due to flame failure.	113: Inspection and Maintenance	3/3/2022		Manual
Startup Event						116: Well Raising			
Shutdown Event						X 117: Gas Collection		X	Automatic
X Malfunction Event						118: Construction Activities			
Component: A-7 Flare	3/04/22 08:08	3/04/22 08:10	0.03			113: Inspection and Maintenance	3/4/2022	X	Manual
X Startup Event						116: Well Raising			
Shutdown Event						X 117: Gas Collection			Automatic
Malfunction Event						118: Construction Activities			
Component: A-7 Flare	3/06/22 06:44	3/06/22 06:46	0.03	29.47 hours	Flare shut down due to flame failure.	113: Inspection and Maintenance	3/6/2022		Manual
Startup Event						116: Well Raising			
Shutdown Event						X 117: Gas Collection		X	Automatic
X Malfunction Event						118: Construction Activities			
Component: A-7 Flare	3/07/22 12:12	3/07/22 12:14	0.03			113: Inspection and Maintenance	3/7/2022	X	Manual
X Startup Event						116: Well Raising			
Shutdown Event						X 117: Gas Collection			Automatic
Malfunction Event						118: Construction Activities			
Component: A-7 Flare	3/14/22 15:26	3/14/22 15:28	0.03	0.17 hours	Flare shut down due to high temperature.	113: Inspection and Maintenance	3/14/2022		Manual
Startup Event						116: Well Raising			
X Shutdown Event						X 117: Gas Collection		X	Automatic
Malfunction Event						118: Construction Activities			
Component: A-7 Flare	3/14/22 15:36	3/14/22 15:38	0.03			113: Inspection and Maintenance	3/14/2022	X	Manual
X Startup Event						116: Well Raising			
Shutdown Event						X 117: Gas Collection			Automatic
Malfunction Event						118: Construction Activities			

TOTAL DOWNTIME HOURS:	**323.97**
TOTAL AVAILABLE HOURS:	**4,368.00**
TOTAL REPORTING PERIOD RUNTIME (HOURS):	**4,044.03**
RUNTIME PERCENTAGE:	**92.58%**

CONTROL DEVICE AND LFG COLLECTION SYSTEM DOWNTIME LOG

AFFECTED EQUIPMENT: A-8 Flare

Ox Mountain Landfill - Half Moon Bay, California										
SSMP REPORT - From October 1, 2021 through March 31, 2022										
Identify Flare & Check Applicable Event	(1) Start of Event Date and Time	(2) End of Event Date and Time	(3) Duration of Event (Hours)	(4) Duration Shutdown (Hours)	(5) Cause or Reason	(6) Applicable 8-34 Exemption		(7) Date Form Completed	(8) Type of Event (Startup and Shutdown Events Only)	
Component: A-8 Flare					The A-8 Flare did not operate for the reporting period of October 1, 2021 through March 31, 2022.		113: Inspection and Maintenance			Manual
Startup Event							116: Well Raising			
Shutdown Event							117: Gas Collection			Automatic
Malfunction Event							118: Construction Activities			
Component: A-8 Flare							113: Inspection and Maintenance			Manual
Startup Event							116: Well Raising			
Shutdown Event							117: Gas Collection			Automatic
Malfunction Event							118: Construction Activities			

TOTAL DOWNTIME HOURS:	**4,368.00**
TOTAL AVAILABLE HOURS:	**4,368.00**
TOTAL REPORTING PERIOD RUNTIME (HOURS):	**0.00**
RUNTIME PERCENTAGE:	**0.00%**

CONTROL DEVICE AND LFG COLLECTION SYSTEM DOWNTIME LOG

AFFECTED EQUIPMENT: A-9 Flare

Ox Mountain Landfill - Half Moon Bay, California

SSMP REPORT - From October 1, 2021 through March 31, 2022

Identify Flare & Check Applicable Event	(1) Start of Event Date and Time	(2) End of Event Date and Time	(3) Duration of Event (Hours)	(4) Duration Shutdown (Hours)	(5) Cause or Reason	(6) Applicable 8-34 Exemption	(7) Date Form Completed	(8) Type of Event (Startup and Shutdown Events Only)	
Component: A-9 Flare						113: Inspection and Maintenance			
Startup Event						116: Well Raising			Manual
Shutdown Event						117: Gas Collection			
Malfunction Event				80.17 hours	Flare shut down due to low temperature.	118: Construction Activities			Automatic
Component: A-9 Flare						113: Inspection and Maintenance			
X Startup Event	10/04/21 08:10	10/04/21 08:12	0.03			116: Well Raising	10/4/2021	X	Manual
Shutdown Event						X 117: Gas Collection			
Malfunction Event						118: Construction Activities			Automatic
Component: A-9 Flare						113: Inspection and Maintenance			
Startup Event	10/04/21 08:12	10/04/21 08:14	0.03			116: Well Raising	10/4/2021		Manual
X Shutdown Event						X 117: Gas Collection			
Malfunction Event				0.27 hours	Flare shut down due to high temperature.	118: Construction Activities		X	Automatic
Component: A-9 Flare						113: Inspection and Maintenance		X	Manual
X Startup Event	10/04/21 08:28	10/04/21 08:30	0.03			116: Well Raising	10/4/2021		
Shutdown Event						X 117: Gas Collection			
Malfunction Event						118: Construction Activities			Automatic
Component: A-9 Flare						113: Inspection and Maintenance			
Startup Event	10/04/21 08:30	10/04/21 08:32	0.03			116: Well Raising	10/4/2021		Manual
X Shutdown Event						X 117: Gas Collection			
Malfunction Event				4.23 hours	Flare shut down due to high temperature.	118: Construction Activities		X	Automatic
Component: A-9 Flare						113: Inspection and Maintenance		X	Manual
X Startup Event	10/04/21 12:44	10/04/21 12:46	0.03			116: Well Raising	10/4/2021		
Shutdown Event						X 117: Gas Collection			
Malfunction Event						118: Construction Activities			Automatic
Component: A-9 Flare						113: Inspection and Maintenance			
Startup Event	10/04/21 12:58	10/04/21 13:00	0.03			116: Well Raising	10/4/2021		Manual
X Shutdown Event						X 117: Gas Collection			
Malfunction Event				0.07 hours	Flare shut down due to low temperature.	118: Construction Activities		X	Automatic
Component: A-9 Flare						113: Inspection and Maintenance			Manual
X Startup Event	10/04/21 13:02	10/04/21 13:04	0.03			116: Well Raising	10/4/2021		
Shutdown Event						X 117: Gas Collection			
Malfunction Event						118: Construction Activities		X	Automatic
Component: A-9 Flare						113: Inspection and Maintenance			
Startup Event	10/04/21 13:06	10/04/21 13:08	0.03			116: Well Raising	10/4/2021		Manual
X Shutdown Event						X 117: Gas Collection			
Malfunction Event				0.27 hours	Flare shut down due to high temperature.	118: Construction Activities		X	Automatic
Component: A-9 Flare						113: Inspection and Maintenance		X	Manual
X Startup Event	10/04/21 13:22	10/04/21 13:24	0.03			116: Well Raising	10/4/2021		
Shutdown Event						X 117: Gas Collection			
Malfunction Event						118: Construction Activities			Automatic
Component: A-9 Flare						113: Inspection and Maintenance			
Startup Event	10/04/21 13:24	10/04/21 13:26	0.03			116: Well Raising	10/4/2021		Manual
X Shutdown Event						X 117: Gas Collection			
Malfunction Event				44.47 hours	Flare shut down due to high temperature.	118: Construction Activities		X	Automatic
Component: A-9 Flare						113: Inspection and Maintenance		X	Manual
X Startup Event	10/06/21 09:52	10/06/21 09:54	0.03			116: Well Raising	10/6/2021		
Shutdown Event						X 117: Gas Collection			
Malfunction Event						118: Construction Activities			Automatic

CONTROL DEVICE AND LFG COLLECTION SYSTEM DOWNTIME LOG

AFFECTED EQUIPMENT: A-9 Flare

Ox Mountain Landfill - Half Moon Bay, California

SSMP REPORT - From October 1, 2021 through March 31, 2022

Identify Flare & Check Applicable Event	(1) Start of Event Date and Time	(2) End of Event Date and Time	(3) Duration of Event (Hours)	(4) Duration Shutdown (Hours)	(5) Cause or Reason	(6) Applicable 8-34 Exemption	(7) Date Form Completed	(8) Type of Event (Startup and Shutdown Events Only)	
Component: A-9 Flare	10/06/21 10:08	10/06/21 10:10	0.03	745.53 hours	Flare shut down for landfill gas to energy (LFGTE) facility operation.	113: Inspection and Maintenance 116: Well Raising X 117: Gas Collection 118: Construction Activities	10/6/2021	X	Manual
Startup Event									
X Shutdown Event									Automatic
Malfunction Event									
Component: A-9 Flare	11/06/21 11:40	11/06/21 11:42	0.03			113: Inspection and Maintenance 116: Well Raising X 117: Gas Collection 118: Construction Activities	11/6/2021	X	Manual
X Startup Event									
Shutdown Event									Automatic
Malfunction Event									
Component: A-9 Flare	11/06/21 16:26	11/06/21 16:28	0.03	88.00 hours	Flare shut down for LFGTE facility operation.	113: Inspection and Maintenance 116: Well Raising X 117: Gas Collection 118: Construction Activities	11/6/2021		Manual
Startup Event									
X Shutdown Event								X	Automatic
Malfunction Event									
Component: A-9 Flare	11/10/21 07:26	11/10/21 07:28	0.03			113: Inspection and Maintenance 116: Well Raising X 117: Gas Collection 118: Construction Activities	11/10/2021	X	Manual
X Startup Event									
Shutdown Event									Automatic
Malfunction Event									
Component: A-9 Flare	11/10/21 07:28	11/10/21 07:30	0.03	0.17 hours	Flare shut down due to pilot failure.	113: Inspection and Maintenance 116: Well Raising X 117: Gas Collection 118: Construction Activities	11/10/2021		Manual
Startup Event									
X Shutdown Event								X	Automatic
Malfunction Event									
Component: A-9 Flare	11/10/21 07:38	11/10/21 07:40	0.03			113: Inspection and Maintenance 116: Well Raising X 117: Gas Collection 118: Construction Activities	11/10/2021		Manual
X Startup Event									
Shutdown Event								X	Automatic
Malfunction Event									
Component: A-9 Flare	11/10/21 07:42	11/10/21 07:44	0.03	0.07 hours	Flare shut down due to pilot failure.	113: Inspection and Maintenance 116: Well Raising X 117: Gas Collection 118: Construction Activities	11/10/2021		Manual
Startup Event									
X Shutdown Event								X	Automatic
Malfunction Event									
Component: A-9 Flare	11/10/21 07:46	11/10/21 07:48	0.03			113: Inspection and Maintenance 116: Well Raising X 117: Gas Collection 118: Construction Activities	11/10/2021		Manual
X Startup Event									
Shutdown Event								X	Automatic
Malfunction Event									
Component: A-9 Flare	11/10/21 07:52	11/10/21 07:54	0.03	0.13 hours	Flare shut down due to high temperature.	113: Inspection and Maintenance 116: Well Raising X 117: Gas Collection 118: Construction Activities	11/10/2021		Manual
Startup Event									
X Shutdown Event								X	Automatic
Malfunction Event									
Component: A-9 Flare	11/10/21 08:00	11/10/21 08:02	0.03			113: Inspection and Maintenance 116: Well Raising X 117: Gas Collection 118: Construction Activities	11/10/2021		Manual
X Startup Event									
Shutdown Event								X	Automatic
Malfunction Event									
Component: A-9 Flare	11/12/21 16:54	11/12/21 16:56	0.03	0.13 hours	Flare shut down due to low temperature.	113: Inspection and Maintenance 116: Well Raising X 117: Gas Collection 118: Construction Activities	11/12/2021		Manual
Startup Event									
X Shutdown Event								X	Automatic
Malfunction Event									
Component: A-9 Flare	11/12/21 17:02	11/12/21 17:04	0.03			113: Inspection and Maintenance 116: Well Raising X 117: Gas Collection 118: Construction Activities	11/12/2021		Manual
X Startup Event									
Shutdown Event								X	Automatic
Malfunction Event									

CONTROL DEVICE AND LFG COLLECTION SYSTEM DOWNTIME LOG

AFFECTED EQUIPMENT: A-9 Flare

Ox Mountain Landfill - Half Moon Bay, California

SSMP REPORT - From October 1, 2021 through March 31, 2022

Identify Flare & Check Applicable Event	(1) Start of Event Date and Time	(2) End of Event Date and Time	(3) Duration of Event (Hours)	(4) Duration Shutdown (Hours)	(5) Cause or Reason	(6) Applicable 8-34 Exemption	(7) Date Form Completed	(8) Type of Event (Startup and Shutdown Events Only)
Component: A-9 Flare	11/12/21 19:02	11/12/21 19:04	0.03	19.73 hours	Flare shut down due to low temperature.	113: Inspection and Maintenance 116: Well Raising X 117: Gas Collection 118: Construction Activities	11/12/2021	Manual X Automatic
X Startup Event Shutdown Event Malfunction Event								
Component: A-9 Flare	11/13/21 14:46	11/13/21 14:48	0.03			113: Inspection and Maintenance 116: Well Raising X 117: Gas Collection 118: Construction Activities	11/13/2021	X Manual Automatic
X Startup Event Shutdown Event Malfunction Event								
Component: A-9 Flare	11/13/21 15:20	11/13/21 15:22	0.03	13.90 hours	Flare shut down due to low temperature.	113: Inspection and Maintenance 116: Well Raising X 117: Gas Collection 118: Construction Activities	11/13/2021	Manual X Automatic
X Shutdown Event Malfunction Event								
Component: A-9 Flare	11/14/21 05:14	11/14/21 05:16	0.03			113: Inspection and Maintenance 116: Well Raising X 117: Gas Collection 118: Construction Activities	11/14/2021	X Manual Automatic
X Startup Event Shutdown Event Malfunction Event								
Component: A-9 Flare	11/15/21 10:26	11/15/21 10:28	0.03	1.23 hours	Flare shut down due to low temperature.	113: Inspection and Maintenance 116: Well Raising X 117: Gas Collection 118: Construction Activities	11/15/2021	Manual X Automatic
X Shutdown Event Malfunction Event								
Component: A-9 Flare	11/15/21 11:40	11/15/21 11:42	0.03			113: Inspection and Maintenance 116: Well Raising X 117: Gas Collection 118: Construction Activities	11/15/2021	X Manual Automatic
X Startup Event Shutdown Event Malfunction Event								
Component: A-9 Flare	11/15/21 12:10	11/15/21 12:12	0.03	21.40 hours	Flare shut down due to low temperature.	113: Inspection and Maintenance 116: Well Raising X 117: Gas Collection 118: Construction Activities	11/15/2021	Manual X Automatic
X Shutdown Event Malfunction Event								
Component: A-9 Flare	11/16/21 09:34	11/16/21 09:36	0.03			113: Inspection and Maintenance 116: Well Raising X 117: Gas Collection 118: Construction Activities	11/16/2021	X Manual Automatic
X Startup Event Shutdown Event Malfunction Event								
Component: A-9 Flare	11/16/21 14:24	11/16/21 14:26	0.03	0.10 hours	Flare shut down due to low temperature.	113: Inspection and Maintenance 116: Well Raising X 117: Gas Collection 118: Construction Activities	11/16/2021	Manual X Automatic
X Shutdown Event Malfunction Event								
Component: A-9 Flare	11/16/21 14:30	11/16/21 14:32	0.03			113: Inspection and Maintenance 116: Well Raising X 117: Gas Collection 118: Construction Activities	11/16/2021	Manual X Automatic
X Startup Event Shutdown Event Malfunction Event								
Component: A-9 Flare	11/16/21 15:20	11/16/21 15:22	0.03	188.13 hours	Flare shut down due to low temperature.	113: Inspection and Maintenance 116: Well Raising X 117: Gas Collection 118: Construction Activities	11/16/2021	Manual X Automatic
X Shutdown Event Malfunction Event								
Component: A-9 Flare	11/24/21 11:28	11/24/21 11:30	0.03			113: Inspection and Maintenance 116: Well Raising X 117: Gas Collection 118: Construction Activities	11/24/2021	X Manual Automatic
X Startup Event Shutdown Event Malfunction Event								

CONTROL DEVICE AND LFG COLLECTION SYSTEM DOWNTIME LOG

AFFECTED EQUIPMENT: A-9 Flare

Ox Mountain Landfill - Half Moon Bay, California

SSMP REPORT - From October 1, 2021 through March 31, 2022

Identify Flare & Check Applicable Event	(1) Start of Event Date and Time	(2) End of Event Date and Time	(3) Duration of Event (Hours)	(4) Duration Shutdown (Hours)	(5) Cause or Reason	(6) Applicable 8-34 Exemption	(7) Date Form Completed	(8) Type of Event (Startup and Shutdown Events Only)
Component: A-9 Flare	11/24/21 11:44	11/24/21 11:46	0.03	118.30 hours	Flare shut down due to low temperature.	113: Inspection and Maintenance 116: Well Raising X 117: Gas Collection 118: Construction Activities	11/24/2021	Manual
Startup Event								
X Shutdown Event								X Automatic
Malfunction Event								
Component: A-9 Flare	11/29/21 10:02	11/29/21 10:04	0.03			113: Inspection and Maintenance 116: Well Raising X 117: Gas Collection 118: Construction Activities	11/29/2021	X Manual
X Startup Event								
Shutdown Event								Automatic
Malfunction Event								
Component: A-9 Flare	11/29/21 10:56	11/29/21 10:58	0.03	53.03 hours	Flare shut down due to low temperature.	113: Inspection and Maintenance 116: Well Raising X 117: Gas Collection 118: Construction Activities	11/29/2021	Manual
Startup Event								
X Shutdown Event								X Automatic
Malfunction Event								
Component: A-9 Flare	12/01/21 15:58	12/01/21 16:00	0.03			113: Inspection and Maintenance 116: Well Raising X 117: Gas Collection 118: Construction Activities	12/1/2021	X Manual
X Startup Event								
Shutdown Event								Automatic
Malfunction Event								
Component: A-9 Flare	12/01/21 16:32	12/01/21 16:34	0.03	16.07 hours	Flare shut down due to low temperature.	113: Inspection and Maintenance 116: Well Raising X 117: Gas Collection 118: Construction Activities	12/1/2021	Manual
Startup Event								
X Shutdown Event								X Automatic
Malfunction Event								
Component: A-9 Flare	12/02/21 08:36	12/02/21 08:38	0.03			113: Inspection and Maintenance 116: Well Raising X 117: Gas Collection 118: Construction Activities	12/2/2021	X Manual
X Startup Event								
Shutdown Event								Automatic
Malfunction Event								
Component: A-9 Flare	12/02/21 09:58	12/02/21 10:00	0.03	1.10 hours	Flare shut down due to low temperature.	113: Inspection and Maintenance 116: Well Raising X 117: Gas Collection 118: Construction Activities	12/2/2021	Manual
Startup Event								
X Shutdown Event								X Automatic
Malfunction Event								
Component: A-9 Flare	12/02/21 11:04	12/02/21 11:06	0.03			113: Inspection and Maintenance 116: Well Raising X 117: Gas Collection 118: Construction Activities	12/2/2021	X Manual
X Startup Event								
Shutdown Event								Automatic
Malfunction Event								
Component: A-9 Flare	12/02/21 11:08	12/02/21 11:10	0.03	0.23 hours	Flare shut down due to high temperature.	113: Inspection and Maintenance 116: Well Raising X 117: Gas Collection 118: Construction Activities	12/2/2021	Manual
Startup Event								
X Shutdown Event								X Automatic
Malfunction Event								
Component: A-9 Flare	12/02/21 11:22	12/02/21 11:24	0.03			113: Inspection and Maintenance 116: Well Raising X 117: Gas Collection 118: Construction Activities	12/2/2021	X Manual
X Startup Event								
Shutdown Event								Automatic
Malfunction Event								
Component: A-9 Flare	12/02/21 11:36	12/02/21 11:38	0.03	94.53 hours	Flare shut down for Ameresco LFGTE facility operation.	113: Inspection and Maintenance 116: Well Raising X 117: Gas Collection 118: Construction Activities	12/2/2021	Manual
Startup Event								
X Shutdown Event								X Automatic
Malfunction Event								
Component: A-9 Flare	12/06/21 10:08	12/06/21 10:10	0.03			113: Inspection and Maintenance 116: Well Raising X 117: Gas Collection 118: Construction Activities	12/6/2021	X Manual
X Startup Event								
Shutdown Event								Automatic
Malfunction Event								

CONTROL DEVICE AND LFG COLLECTION SYSTEM DOWNTIME LOG

AFFECTED EQUIPMENT: A-9 Flare

Ox Mountain Landfill - Half Moon Bay, California

SSMP REPORT - From October 1, 2021 through March 31, 2022

Identify Flare & Check Applicable Event	(1) Start of Event Date and Time	(2) End of Event Date and Time	(3) Duration of Event (Hours)	(4) Duration Shutdown (Hours)	(5) Cause or Reason	(6) Applicable 8-34 Exemption	(7) Date Form Completed	(8) Type of Event (Startup and Shutdown Events Only)
Component: A-9 Flare	12/06/21 12:32	12/06/21 12:34	0.03	2.90 hours	Flare shut down due to flame failure.	113: Inspection and Maintenance 116: Well Raising X 117: Gas Collection 118: Construction Activities	12/6/2021	Manual X Automatic
Startup Event X Shutdown Event Malfunction Event								
Component: A-9 Flare	12/06/21 15:26	12/06/21 15:28	0.03			113: Inspection and Maintenance 116: Well Raising X 117: Gas Collection 118: Construction Activities	12/6/2021	X Manual Automatic
X Startup Event Shutdown Event Malfunction Event								
Component: A-9 Flare	12/06/21 15:40	12/06/21 15:42	0.03	366.63 hours	Flare shut down due to low temperature.	113: Inspection and Maintenance 116: Well Raising X 117: Gas Collection 118: Construction Activities	12/6/2021	Manual X Automatic
Startup Event X Shutdown Event Malfunction Event								
Component: A-9 Flare	12/21/21 22:18	12/21/21 22:20	0.03			113: Inspection and Maintenance 116: Well Raising X 117: Gas Collection 118: Construction Activities	12/21/2021	X Manual Automatic
X Startup Event Shutdown Event Malfunction Event								
Component: A-9 Flare	12/21/21 22:50	12/21/21 22:52	0.03	83.27 hours	Flare shut down for Ameresco LFGTE facility operation.	113: Inspection and Maintenance 116: Well Raising X 117: Gas Collection 118: Construction Activities	12/21/2021	Manual X Automatic
Startup Event X Shutdown Event Malfunction Event								
Component: A-9 Flare	12/25/21 10:06	12/25/21 10:08	0.03			113: Inspection and Maintenance 116: Well Raising X 117: Gas Collection 118: Construction Activities	12/25/2021	X Manual Automatic
X Startup Event Shutdown Event Malfunction Event								
Component: A-9 Flare	12/25/21 10:24	12/25/21 10:26	0.03	1.93 hours	Flare shut down due to low temperature.	113: Inspection and Maintenance 116: Well Raising X 117: Gas Collection 118: Construction Activities	12/25/2021	Manual X Automatic
Startup Event X Shutdown Event Malfunction Event								
Component: A-9 Flare	12/25/21 12:20	12/25/21 12:22	0.03			113: Inspection and Maintenance 116: Well Raising X 117: Gas Collection 118: Construction Activities	12/25/2021	X Manual Automatic
X Startup Event Shutdown Event Malfunction Event								
Component: A-9 Flare	12/25/21 15:36	12/25/21 15:38	0.03	191.10 hours	Flare shut down for Ameresco LFGTE facility operation.	113: Inspection and Maintenance 116: Well Raising X 117: Gas Collection 118: Construction Activities	12/25/2021	Manual X Automatic
Startup Event X Shutdown Event Malfunction Event								
Component: A-9 Flare	1/02/22 14:42	1/02/22 14:44	0.03			113: Inspection and Maintenance 116: Well Raising X 117: Gas Collection 118: Construction Activities	1/2/2022	X Manual Automatic
X Startup Event Shutdown Event Malfunction Event								
Component: A-9 Flare	1/02/22 14:46	1/02/22 14:48	0.03	0.10 hours	Flare shut down due to high temperature .	113: Inspection and Maintenance 116: Well Raising X 117: Gas Collection 118: Construction Activities	1/2/2022	Manual X Automatic
Startup Event X Shutdown Event Malfunction Event								
Component: A-9 Flare	1/02/22 14:52	1/02/22 14:54	0.03			113: Inspection and Maintenance 116: Well Raising X 117: Gas Collection 118: Construction Activities	1/2/2022	X Manual Automatic
X Startup Event Shutdown Event Malfunction Event								

CONTROL DEVICE AND LFG COLLECTION SYSTEM DOWNTIME LOG

AFFECTED EQUIPMENT: A-9 Flare

Ox Mountain Landfill - Half Moon Bay, California

SSMP REPORT - From October 1, 2021 through March 31, 2022

Identify Flare & Check Applicable Event	(1) Start of Event Date and Time	(2) End of Event Date and Time	(3) Duration of Event (Hours)	(4) Duration Shutdown (Hours)	(5) Cause or Reason	(6) Applicable 8-34 Exemption	(7) Date Form Completed	(8) Type of Event (Startup and Shutdown Events Only)
Component: A-9 Flare	1/02/22 15:00	1/02/22 15:02	0.03	0.13 hours	Flare shut down due to high temperature .	113: Inspection and Maintenance 116: Well Raising X 117: Gas Collection 118: Construction Activities	1/2/2022	Manual
Startup Event								
X Shutdown Event								Automatic
Malfunction Event								X
Component: A-9 Flare	1/02/22 15:08	1/02/22 15:10	0.03			113: Inspection and Maintenance 116: Well Raising X 117: Gas Collection 118: Construction Activities	1/2/2022	X Manual
X Startup Event								
Shutdown Event								Automatic
Malfunction Event								
Component: A-9 Flare	1/02/22 16:02	1/02/22 16:04	0.03	211.40 hours	Flare shut down due to low temperature .	113: Inspection and Maintenance 116: Well Raising X 117: Gas Collection 118: Construction Activities	1/2/2022	Manual
Startup Event								
X Shutdown Event								Automatic
Malfunction Event								X
Component: A-9 Flare	1/11/22 11:26	1/11/22 11:28	0.03			113: Inspection and Maintenance 116: Well Raising X 117: Gas Collection 118: Construction Activities	1/11/2022	X Manual
X Startup Event								
Shutdown Event								Automatic
Malfunction Event								
Component: A-9 Flare	1/11/22 11:36	1/11/22 11:38	0.03	0.07 hours	Flare shut down due to high temperature .	113: Inspection and Maintenance 116: Well Raising X 117: Gas Collection 118: Construction Activities	1/11/2022	Manual
Startup Event								
X Shutdown Event								Automatic
Malfunction Event								X
Component: A-9 Flare	1/11/22 11:40	1/11/22 11:42	0.03			113: Inspection and Maintenance 116: Well Raising X 117: Gas Collection 118: Construction Activities	1/11/2022	X Manual
X Startup Event								
Shutdown Event								Automatic
Malfunction Event								
Component: A-9 Flare	1/11/22 11:44	1/11/22 11:46	0.03	0.03 hours	Flare shut down due to low temperature .	113: Inspection and Maintenance 116: Well Raising X 117: Gas Collection 118: Construction Activities	1/11/2022	Manual
Startup Event								
X Shutdown Event								Automatic
Malfunction Event								X
Component: A-9 Flare	1/11/22 11:46	1/11/22 11:48	0.03			113: Inspection and Maintenance 116: Well Raising X 117: Gas Collection 118: Construction Activities	1/11/2022	X Manual
X Startup Event								
Shutdown Event								Automatic
Malfunction Event								
Component: A-9 Flare	1/11/22 11:58	1/11/22 12:00	0.03	142.90 hours	Flare shut down due to high temperature .	113: Inspection and Maintenance 116: Well Raising X 117: Gas Collection 118: Construction Activities	1/11/2022	Manual
Startup Event								
X Shutdown Event								Automatic
Malfunction Event								X
Component: A-9 Flare	1/17/22 10:52	1/17/22 10:54	0.03			X 113: Inspection and Maintenance 116: Well Raising 117: Gas Collection 118: Construction Activities	1/17/2022	X Manual
X Startup Event								
Shutdown Event								Automatic
Malfunction Event								
Component: A-9 Flare	1/17/22 11:02	1/17/22 11:04	0.03	37.03 hours	Flare shut down due to Ameresco LFGTE plant operation.	113: Inspection and Maintenance 116: Well Raising X 117: Gas Collection 118: Construction Activities	1/17/2022	X Manual
Startup Event								
X Shutdown Event								Automatic
Malfunction Event								
Component: A-9 Flare	1/19/22 00:04	1/19/22 00:06	0.03			113: Inspection and Maintenance 116: Well Raising X 117: Gas Collection 118: Construction Activities	1/19/2022	X Manual
X Startup Event								
Shutdown Event								Automatic
Malfunction Event								

CONTROL DEVICE AND LFG COLLECTION SYSTEM DOWNTIME LOG

AFFECTED EQUIPMENT: A-9 Flare

Ox Mountain Landfill - Half Moon Bay, California

SSMP REPORT - From October 1, 2021 through March 31, 2022

Identify Flare & Check Applicable Event	(1) Start of Event Date and Time	(2) End of Event Date and Time	(3) Duration of Event (Hours)	(4) Duration Shutdown (Hours)	(5) Cause or Reason	(6) Applicable 8-34 Exemption	(7) Date Form Completed	(8) Type of Event (Startup and Shutdown Events Only)	
Component: A-9 Flare	1/19/22 00:54	1/19/22 00:56	0.03	657.77 hours	Flare shut down due to flame failure.	113: Inspection and Maintenance	1/19/2022		Manual
Startup Event						116: Well Raising			
Shutdown Event						X 117: Gas Collection		X	Automatic
X Malfunction Event						118: Construction Activities			
Component: A-9 Flare	2/15/22 10:40	2/15/22 10:42	0.03			113: Inspection and Maintenance	2/15/2022	X	Manual
X Startup Event						116: Well Raising			
Shutdown Event						X 117: Gas Collection			Automatic
Malfunction Event						118: Construction Activities			
Component: A-9 Flare	2/15/22 11:16	2/15/22 11:18	0.03	0.10 hours	Flare shut down due to Ameresco LFGTE plant operation.	113: Inspection and Maintenance	2/15/2022	X	Manual
Startup Event						116: Well Raising			
X Shutdown Event						X 117: Gas Collection			Automatic
Malfunction Event						118: Construction Activities			
Component: A-9 Flare	2/15/22 11:22	2/15/22 11:24	0.03			113: Inspection and Maintenance	2/15/2022	X	Manual
X Startup Event						116: Well Raising			
Shutdown Event						X 117: Gas Collection			Automatic
Malfunction Event						118: Construction Activities			
Component: A-9 Flare	2/15/22 11:50	2/15/22 11:52	0.03	88.03 hours	Flare shut down due to low temperature.	113: Inspection and Maintenance	2/15/2022		Manual
Startup Event						116: Well Raising			
X Shutdown Event						X 117: Gas Collection		X	Automatic
Malfunction Event						118: Construction Activities			
Component: A-9 Flare	2/19/22 03:52	2/19/22 03:54	0.03			113: Inspection and Maintenance	2/19/2022	X	Manual
X Startup Event						116: Well Raising			
Shutdown Event						X 117: Gas Collection			Automatic
Malfunction Event						118: Construction Activities			
Component: A-9 Flare	2/19/22 04:10	2/19/22 04:12	0.03	56.93 hours	Flare shut down due to low temperature.	113: Inspection and Maintenance	2/19/2022		Manual
Startup Event						116: Well Raising			
X Shutdown Event						X 117: Gas Collection		X	Automatic
Malfunction Event						118: Construction Activities			
Component: A-9 Flare	2/21/22 13:06	2/21/22 13:08	0.03			113: Inspection and Maintenance	2/21/2022	X	Manual
X Startup Event						116: Well Raising			
Shutdown Event						X 117: Gas Collection			Automatic
Malfunction Event						118: Construction Activities			
Component: A-9 Flare	2/21/22 13:22	2/21/22 13:24	0.03	249.67 hours	Flare shut down due to low temperature.	113: Inspection and Maintenance	2/21/2022		Manual
Startup Event						116: Well Raising			
X Shutdown Event						X 117: Gas Collection		X	Automatic
Malfunction Event						118: Construction Activities			
Component: A-9 Flare	3/03/22 23:02	3/03/22 23:04	0.03			113: Inspection and Maintenance	3/3/2022	X	Manual
X Startup Event						X 116: Well Raising			
Shutdown Event						117: Gas Collection			Automatic
Malfunction Event						118: Construction Activities			
Component: A-9 Flare	3/04/22 08:14	3/04/22 08:16	0.03	0.27 hours	Flare shut down due to inlet valve failure.	113: Inspection and Maintenance	3/4/2022		Manual
Startup Event						116: Well Raising			
Shutdown Event						X 117: Gas Collection		X	Automatic
X Malfunction Event						118: Construction Activities			
Component: A-9 Flare	3/04/22 08:30	3/04/22 08:32	0.03			113: Inspection and Maintenance	3/4/2022	X	Manual
X Startup Event						116: Well Raising			
Shutdown Event						X 117: Gas Collection			Automatic
Malfunction Event						118: Construction Activities			

CONTROL DEVICE AND LFG COLLECTION SYSTEM DOWNTIME LOG

AFFECTED EQUIPMENT: A-9 Flare

Ox Mountain Landfill - Half Moon Bay, California

SSMP REPORT - From October 1, 2021 through March 31, 2022

Identify Flare & Check Applicable Event	(1) Start of Event Date and Time	(2) End of Event Date and Time	(3) Duration of Event (Hours)	(4) Duration Shutdown (Hours)	(5) Cause or Reason	(6) Applicable 8-34 Exemption	(7) Date Form Completed	(8) Type of Event (Startup and Shutdown Events Only)
Component: A-9 Flare	3/04/22 08:46	3/04/22 08:48	0.03	0.10 hours	Flare shut down due to inlet valve failure.	113: Inspection and Maintenance 116: Well Raising X 117: Gas Collection 118: Construction Activities	3/4/2022	Manual X Automatic
Startup Event								
Shutdown Event								
X Malfunction Event								
Component: A-9 Flare	3/04/22 08:52	3/04/22 08:54	0.03			113: Inspection and Maintenance 116: Well Raising X 117: Gas Collection 118: Construction Activities	3/4/2022	X Manual Automatic
X Startup Event								
Shutdown Event								
Malfunction Event								
Component: A-9 Flare	3/04/22 08:56	3/04/22 08:58	0.03	0.13 hours	Flare shut down due to inlet valve failure.	113: Inspection and Maintenance 116: Well Raising X 117: Gas Collection 118: Construction Activities	3/4/2022	Manual X Automatic
Startup Event								
Shutdown Event								
X Malfunction Event								
Component: A-9 Flare	3/04/22 09:04	3/04/22 09:06	0.03			113: Inspection and Maintenance 116: Well Raising X 117: Gas Collection 118: Construction Activities	3/4/2022	X Manual Automatic
X Startup Event								
Shutdown Event								
Malfunction Event								
Component: A-9 Flare	3/04/22 10:32	3/04/22 10:34	0.03	7.53 hours	Flare shut down due to A-7 Flare operation.	113: Inspection and Maintenance 116: Well Raising X 117: Gas Collection 118: Construction Activities	3/4/2022	X Manual Automatic
Startup Event								
X Shutdown Event								
Malfunction Event								
Component: A-9 Flare	3/04/22 18:04	3/04/22 18:06	0.03			113: Inspection and Maintenance 116: Well Raising X 117: Gas Collection 118: Construction Activities	3/4/2022	X Manual Automatic
X Startup Event								
Shutdown Event								
Malfunction Event								
Component: A-9 Flare	3/05/22 03:26	3/05/22 03:28	0.03	227.40 hours	Flare shut down due to inlet valve failure.	113: Inspection and Maintenance 116: Well Raising X 117: Gas Collection 118: Construction Activities	3/5/2022	Manual X Automatic
Startup Event								
Shutdown Event								
X Malfunction Event								
Component: A-9 Flare	3/14/22 15:50	3/14/22 15:52	0.03			113: Inspection and Maintenance 116: Well Raising X 117: Gas Collection 118: Construction Activities	3/14/2022	X Manual Automatic
X Startup Event								
Shutdown Event								
Malfunction Event								
Component: A-9 Flare	3/14/22 17:38	3/14/22 17:40	0.03	414.37 hours	Flare shut down due to low temperature.	113: Inspection and Maintenance 116: Well Raising X 117: Gas Collection 118: Construction Activities	3/14/2022	Manual X Automatic
Startup Event								
X Shutdown Event								
Malfunction Event								
Component: A-9 Flare						113: Inspection and Maintenance 116: Well Raising 117: Gas Collection 118: Construction Activities		Manual Automatic
Startup Event								
Shutdown Event								
Malfunction Event								

TOTAL DOWNTIME HOURS:	**4,231.07**
TOTAL AVAILABLE HOURS:	**4,368.00**
TOTAL REPORTING PERIOD RUNTIME (HOURS):	**136.93**
RUNTIME PERCENTAGE:	**3.13%**

[1]The A-9 Flare was offline at the beginning and end of the reporting period. For reporting purposes, the beginning and ending of the shutdown events are calculated as of October 1, 2021 at 00:00 and April 1, 2022 at 00:00, respectively.

CONTROL DEVICE AND LFG COLLECTION SYSTEM DOWNTIME LOG

AFFECTED EQUIPMENT: IC Engines

Completed By : Ameresco

Ox Mountain Landfill - Half Moon Bay, California

SSMP REPORT - From October 1, 2021 through March 31, 2022

Shutdown Date/Time mm/dd/yy hh:mm	**Startup** Date/time mm/dd/yy hh:mm	**Duration Hours**	**Engines Down**	**Type of Shutdown**	**Reason/Action**	**Comments**
10/1/21 0:00	10/13/21 13:01	301.02	5*	Planned	Engine	Reconfigure, Replace, and Restart
10/4/21 6:44	10/4/21 15:25	8.68	2	Unplanned	Line / Substation Maintenance	Replace, and Restart
10/4/21 6:44	10/4/21 8:56	2.20	1	Unplanned	Line / Substation Maintenance	Restart Only
10/4/21 6:44	10/4/21 8:37	1.88	3	Unplanned	Line / Substation Maintenance	Restart Only
10/4/21 6:46	10/4/21 8:42	1.93	4	Unplanned	Line / Substation Maintenance	Restart Only
10/4/21 6:46	10/4/21 8:49	2.05	6	Unplanned	Line / Substation Maintenance	Restart Only
10/4/21 8:59	10/4/21 9:26	0.45	6	Unplanned	Engine	Replace, and Restart
10/4/21 12:09	10/4/21 13:26	1.28	3	Unplanned	Line / Substation Maintenance	Restart Only
10/4/21 12:09	10/4/21 13:25	1.27	1	Unplanned	Line / Substation Maintenance	Restart Only
10/4/21 12:11	10/4/21 13:32	1.35	4	Unplanned	Line / Substation Maintenance	Restart Only
10/4/21 12:11	10/4/21 13:33	1.37	6	Unplanned	Line / Substation Maintenance	Restart Only
10/13/21 13:06	10/13/21 14:27	1.35	5	Unplanned	Electrical	Restart Only
10/13/21 14:27	10/13/21 14:48	0.35	5	Unplanned	Electrical	Restart Only
10/13/21 14:49	10/13/21 15:18	0.48	5	Unplanned	Electrical	Restart Only
10/13/21 15:19	10/14/21 10:47	19.47	5	Unplanned	Electrical	Restart Only
10/14/21 10:51	10/14/21 13:03	2.20	5	Unplanned	Electrical	Restart Only
10/14/21 13:07	10/14/21 13:29	0.37	5	Unplanned	Electrical	Restart Only
10/14/21 13:45	10/14/21 13:47	0.03	5	Unplanned	Engine	Restart Only
10/17/21 15:56	10/17/21 16:40	0.73	4	Unplanned	Engine	Replace, and Restart
10/17/21 16:50	10/17/21 16:59	0.15	4	Unplanned	Engine	Replace, and Restart
10/17/21 17:03	10/17/21 17:14	0.18	4	Unplanned	Engine	Replace, and Restart
10/18/21 9:29	10/18/21 9:40	0.18	4	Unplanned	Engine	Replace, and Restart
10/18/21 9:53	10/18/21 11:17	1.40	5	Planned	Engine	Reconfigure, and Restart
10/18/21 12:27	10/18/21 12:57	0.50	5	Proactive	Engine	Reconfigure, and Restart
10/18/21 13:09	10/18/21 13:23	0.23	5	Proactive	Engine	Restart Only
10/19/21 10:16	10/19/21 10:51	0.58	6	Planned	Engine	Replace, and Restart
10/19/21 11:29	10/19/21 11:45	0.27	4	Unplanned	Building / HVAC	Restart Only
10/19/21 11:29	10/19/21 11:50	0.35	6	Unplanned	Building / HVAC	Restart Only
10/19/21 11:29	10/19/21 11:58	0.48	2	Unplanned	Building / HVAC	Restart Only
10/19/21 11:29	10/19/21 12:16	0.78	5	Unplanned	Building / HVAC	Restart Only
10/19/21 11:29	10/19/21 11:47	0.30	1	Unplanned	Building / HVAC	Restart Only
10/19/21 11:29	10/19/21 11:46	0.28	3	Unplanned	Building / HVAC	Restart Only
10/19/21 13:57	10/19/21 14:30	0.55	5	Proactive	Engine	Replace, and Restart
10/19/21 21:37	10/20/21 17:30	19.88	5	Unplanned	Engine	Replace, and Restart
10/22/21 10:40	10/22/21 10:50	0.17	6	Unplanned	Building / HVAC	Replace, and Restart
10/22/21 10:40	10/22/21 10:49	0.15	4	Unplanned	Building / HVAC	Replace, and Restart
10/22/21 10:40	10/22/21 11:06	0.43	2	Unplanned	Building / HVAC	Replace, and Restart
10/22/21 10:40	10/22/21 11:01	0.35	3	Unplanned	Building / HVAC	Replace, and Restart
10/22/21 10:40	10/22/21 11:02	0.37	1	Unplanned	Building / HVAC	Replace, and Restart
10/22/21 10:40	10/22/2021 10:49	0.15	5	Unplanned	Building / HVAC	Replace, and Restart
10/22/21 20:53	10/22/21 21:54	1.02	4	Unplanned	Engine	Replace, and Restart
10/25/21 9:18	11/1/21 17:25	176.12	6*	Planned	Engine	Reconfigure, Replace, and Restart
10/29/21 8:23	10/29/21 10:09	1.77	4	Unplanned	Engine	Replace, and Restart
11/2/21 9:04	11/2/21 16:00	6.93	6	Planned	Engine	Reconfigure, and Restart

Shutdown Date/Time mm/dd/yy hh:mm	**Startup** Date/time mm/dd/yy hh:mm	**Duration Hours**	**Engines Down**	**Type of Shutdown**	**Reason/Action**	**Comments**
11/3/21 8:12	11/3/21 14:41	6.48	3	Planned	Engine	Reconfigure, Replace, and Restart
11/3/21 11:30	11/3/21 13:10	1.67	6	Planned	Engine	Reconfigure, and Restart
11/6/21 10:20	11/6/21 16:31	6.18	5	Unplanned	Line / Substation Maintenance	Restart Only
11/6/21 10:20	11/6/21 16:44	6.40	3	Unplanned	Line / Substation Maintenance	Restart Only
11/6/21 10:20	11/6/21 16:28	6.13	2	Unplanned	Line / Substation Maintenance	Restart Only
11/6/21 10:21	11/6/21 16:24	6.05	1	Unplanned	Line / Substation Maintenance	Restart Only
11/6/21 10:22	11/6/21 16:20	5.97	6	Unplanned	Line / Substation Maintenance	Restart Only
11/6/21 10:22	11/6/21 16:21	5.98	4	Unplanned	Line / Substation Maintenance	Restart Only
11/10/21 6:01	11/12/21 18:59	60.97	1	Unplanned	Line / Substation Maintenance	Reconfigure, Replace, and Restart
11/10/21 6:31	11/12/21 19:26	60.92	2	Unplanned	Line / Substation Maintenance	Restart Only
11/10/21 6:31	11/12/21 17:50	59.32	3	Unplanned	Line / Substation Maintenance	Restart Only
11/10/21 6:31	11/12/21 17:48	59.28	5	Unplanned	Line / Substation Maintenance	Restart Only
11/10/21 6:33	11/12/21 19:05	60.53	6	Unplanned	Line / Substation Maintenance	Restart Only
11/10/21 6:33	11/12/21 18:21	59.80	4	Unplanned	Line / Substation Maintenance	Restart Only
11/13/21 14:22	11/13/21 15:11	0.82	6	Unplanned	Oxygen Levels	Restart Only
11/13/21 14:22	11/13/21 15:19	0.95	4	Unplanned	Oxygen Levels	Restart Only
11/13/21 14:22	11/13/21 15:28	1.10	1	Unplanned	Oxygen Levels	Restart Only
11/13/21 14:22	11/13/21 15:46	1.40	5	Unplanned	Oxygen Levels	Restart Only
11/13/21 14:22	11/13/21 16:54	2.53	2	Unplanned	Oxygen Levels	Restart Only
11/13/21 14:22	11/13/21 15:35	1.22	3	Unplanned	Oxygen Levels	Restart Only
11/14/21 4:40	11/15/21 12:00	31.33	6	Unplanned	Oxygen Levels	Restart Only
11/14/21 4:40	11/15/21 12:21	31.68	4	Unplanned	Oxygen Levels	Restart Only
11/14/21 4:40	11/15/21 12:13	31.55	1	Unplanned	Oxygen Levels	Restart Only
11/14/21 4:40	11/15/21 12:07	31.45	5	Unplanned	Oxygen Levels	Restart Only
11/14/21 4:40	11/15/21 12:16	31.60	3	Unplanned	Oxygen Levels	Restart Only
11/14/21 4:40	11/15/21 12:20	31.67	2	Unplanned	Oxygen Levels	Restart Only
11/16/21 9:31	11/16/21 15:30	5.98	5	Unplanned	Oxygen Levels	Restart Only
11/16/21 9:32	11/16/21 15:17	5.75	3	Unplanned	Oxygen Levels	Restart Only
11/16/21 9:32	11/16/21 15:23	5.85	2	Unplanned	Oxygen Levels	Restart Only
11/16/21 9:33	11/16/21 15:16	5.72	1	Unplanned	Oxygen Levels	Restart Only
11/16/21 9:33	11/16/21 15:16	5.72	6	Unplanned	Oxygen Levels	Restart Only
11/16/21 9:34	11/16/21 15:23	5.82	4	Unplanned	Oxygen Levels	Restart Only
11/24/21 8:16	11/24/21 9:18	1.03	6	Unplanned	Engine	Replace, and Restart
11/24/21 11:07	11/24/21 11:39	0.53	6	Unplanned	Oxygen Levels	Restart Only
11/24/21 11:07	11/24/21 11:44	0.62	4	Unplanned	Oxygen Levels	Restart Only
11/24/21 11:07	11/24/21 11:52	0.75	1	Unplanned	Oxygen Levels	Restart Only
11/24/21 11:07	11/24/21 11:40	0.55	5	Unplanned	Oxygen Levels	Restart Only
11/24/21 11:07	11/24/21 11:48	0.68	3	Unplanned	Oxygen Levels	Restart Only
11/24/21 11:07	11/24/21 11:51	0.73	2	Unplanned	Oxygen Levels	Restart Only
11/29/21 9:58	11/29/21 10:56	0.97	6	Unplanned	Line / Substation Maintenance	Restart Only
11/29/21 9:58	11/29/21 10:55	0.95	4	Unplanned	Line / Substation Maintenance	Restart Only
11/29/21 9:59	11/29/21 11:01	1.03	5	Unplanned	Line / Substation Maintenance	Restart Only
11/29/21 9:59	11/29/21 10:54	0.92	3	Unplanned	Line / Substation Maintenance	Restart Only
11/29/21 10:00	11/29/21 10:53	0.88	2	Unplanned	Line / Substation Maintenance	Replace, and Restart
11/29/21 10:00	11/29/21 10:57	0.95	1	Unplanned	Line / Substation Maintenance	Restart Only
11/30/21 6:47	11/30/21 8:33	1.77	1	Unplanned	SCR / Catalyst	Reconfigure, Replace, and Restart
12/1/21 15:11	12/1/21 16:16	1.08	1	Unplanned	Landfill / Wellfield	Restart Only
12/1/21 15:11	12/1/21 16:14	1.05	6	Unplanned	Landfill / Wellfield	Restart Only
12/1/21 15:11	12/1/21 16:27	1.27	4	Unplanned	Landfill / Wellfield	Restart Only
12/1/21 15:11	12/1/21 16:48	1.62	5	Unplanned	Landfill / Wellfield	Restart Only
12/1/21 15:11	12/1/21 16:34	1.38	2	Unplanned	Landfill / Wellfield	Restart Only
12/1/21 15:11	12/1/21 17:19	2.13	3	Unplanned	Landfill / Wellfield	Restart Only

Shutdown Date/Time mm/dd/yy hh:mm	**Startup** Date/time mm/dd/yy hh:mm	**Duration Hours**	**Engines Down**	**Type of Shutdown**	**Reason/Action**	**Comments**
12/1/21 16:48	12/1/21 16:57	0.15	5	Unplanned	Ameresco	Restart Only
12/2/21 7:29	12/2/21 11:23	3.90	6	Unplanned	Landfill / Wellfield	Restart Only
12/2/21 7:29	12/2/21 11:42	4.22	1	Unplanned	Landfill / Wellfield	Restart Only
12/2/21 7:29	12/2/21 11:23	3.90	4	Unplanned	Landfill / Wellfield	Restart Only
12/2/21 7:29	12/2/21 11:30	4.02	5	Unplanned	Landfill / Wellfield	Restart Only
12/2/21 7:29	12/2/21 11:34	4.08	2	Unplanned	Landfill / Wellfield	Restart Only
12/2/21 7:29	12/2/21 11:34	4.08	3	Unplanned	Landfill / Wellfield	Restart Only
12/2/21 18:53	12/2/21 20:14	1.35	6	Unplanned	Ameresco	Replace, and Restart
12/2/21 20:27	12/2/21 20:59	0.53	2	Unplanned	Ameresco	Replace, and Restart
12/3/21 14:04	12/3/21 14:48	0.73	2	Proactive	Ameresco	Replace, and Restart
12/3/21 14:57	12/3/21 15:08	0.18	5	Proactive	Ameresco	Replace, and Restart
12/6/21 9:58	12/6/21 16:13	6.25	4	Unplanned	Landfill / Wellfield	Replace, and Restart
12/6/21 10:01	12/6/21 15:53	5.87	2	Unplanned	Landfill / Wellfield	Restart Only
12/6/21 10:01	12/6/21 15:48	5.78	1	Unplanned	Landfill / Wellfield	Restart Only
12/6/21 10:01	12/6/21 16:02	6.02	3	Unplanned	Landfill / Wellfield	Restart Only
12/6/21 10:01	12/6/21 16:09	6.13	5	Unplanned	Landfill / Wellfield	Restart Only
12/6/21 10:03	12/6/21 15:47	5.73	6	Unplanned	Landfill / Wellfield	Restart Only
12/7/21 7:22	12/7/21 9:04	1.70	4	Unplanned	Ameresco	Replace, and Restart
12/14/21 16:47	12/14/21 17:28	0.68	6	Unplanned	Ameresco	Replace, and Restart
12/15/21 10:35	12/15/21 17:17	6.70	2	Planned	Ameresco	Reconfigure, Replace, and Restart
12/21/21 21:39	12/21/21 22:50	1.18	6	Unplanned	Ameresco	Restart Only
12/21/21 21:39	12/21/21 23:09	1.50	1	Unplanned	Ameresco	Restart Only
12/21/21 21:39	12/21/21 22:42	1.05	4	Unplanned	Ameresco	Restart Only
12/21/21 21:39	12/21/21 22:50	1.18	5	Unplanned	Ameresco	Restart Only
12/21/21 21:39	12/21/21 22:54	1.25	2	Unplanned	Ameresco	Restart Only
12/21/21 21:39	12/21/21 22:30	0.85	3	Unplanned	Ameresco	Restart Only
12/21/21 22:50	12/21/21 23:25	0.58	4	Unplanned	Ameresco	Replace, and Restart
12/24/21 14:19	12/24/21 14:56	0.62	6	Unplanned	Ameresco	Replace, and Restart
12/25/21 0:38	12/25/21 10:25	9.78	6	Unplanned	Electrical Utility	Restart Only
12/25/21 0:38	12/25/21 11:18	10.67	4	Unplanned	Electrical Utility	Restart Only
12/25/21 0:38	12/25/21 10:14	9.60	1	Unplanned	Electrical Utility	Restart Only
12/25/21 0:38	12/25/21 10:30	9.87	5	Unplanned	Electrical Utility	Restart Only
12/25/21 0:38	12/25/21 11:47	11.15	2	Unplanned	Electrical Utility	Restart Only
12/25/21 0:38	12/25/21 10:20	9.70	3	Unplanned	Electrical Utility	Restart Only
12/25/21 10:26	12/25/21 10:35	0.15	6	Unplanned	Ameresco	Restart Only
12/25/21 10:40	12/25/21 10:52	0.20	3	Unplanned	Ameresco	Restart Only
12/25/21 12:05	12/25/21 12:27	0.37	6	Unplanned	Ameresco	Restart Only
12/25/21 12:05	12/25/21 15:30	3.42	4	Unplanned	Landfill / Wellfield	Restart Only
12/25/21 12:05	12/25/21 15:33	3.47	1	Unplanned	Landfill / Wellfield	Restart Only
12/25/21 12:05	12/25/21 15:29	3.40	3	Unplanned	Landfill / Wellfield	Restart Only
12/25/21 12:05	12/25/21 15:40	3.58	5	Unplanned	Landfill / Wellfield	Restart Only
12/25/21 12:05	12/25/21 15:44	3.65	2	Unplanned	Landfill / Wellfield	Restart Only
12/25/21 12:28	12/25/21 15:37	3.15	6	Unplanned	Landfill / Wellfield	Restart Only
12/25/21 16:26	12/26/21 4:38	12.20	1	Unplanned	Ameresco	Repair, and Restart
12/26/21 3:35	12/26/21 4:28	0.88	2	Unplanned	Electrical Utility	Restart Only
12/26/21 3:36	12/26/21 4:35	0.98	3	Unplanned	Electrical Utility	Restart Only
12/26/21 3:36	12/26/21 4:24	0.80	5	Unplanned	Electrical Utility	Restart Only
12/26/21 3:38	12/26/21 4:25	0.78	4	Unplanned	Electrical Utility	Restart Only
12/26/21 3:38	12/26/21 4:23	0.75	6	Unplanned	Electrical Utility	Restart Only
12/26/21 5:25	12/26/21 6:20	0.92	1	Unplanned	Ameresco	Repair, and Restart
1/2/22 14:12	1/2/22 15:52	1.67	1	Unplanned	Landfill / Wellfield	Restart Only

Shutdown Date/Time mm/dd/yy hh:mm	**Startup** Date/time mm/dd/yy hh:mm	**Duration Hours**	**Engines Down**	**Type of Shutdown**	**Reason/Action**	**Comments**
1/2/22 14:12	1/2/22 15:45	1.55	4	Unplanned	Landfill / Wellfield	Restart Only
1/2/22 14:12	1/2/22 15:59	1.78	6	Unplanned	Landfill / Wellfield	Restart Only
1/2/22 14:12	1/2/22 16:08	1.93	3	Unplanned	Landfill / Wellfield	Restart Only
1/2/22 14:12	1/2/22 16:26	2.23	2	Unplanned	Landfill / Wellfield	Restart Only
1/2/22 14:12	1/2/22 16:03	1.85	5	Unplanned	Landfill / Wellfield	Restart Only
1/5/22 8:27	1/5/22 13:00	4.55	5	Planned	Ameresco	Reconfigure, Replace, and Restart
1/10/22 8:25	1/19/22 21:45	229.33	4	Planned	Ameresco	Reconfigure, Replace, and Restart
1/11/22 11:25	1/11/22 12:08	0.72	6	Unplanned	Landfill / Wellfield	Restart Only
1/11/22 11:25	1/11/2022 12:03	0.63	1	Unplanned	Landfill / Wellfield	Restart Only
1/11/22 11:25	1/11/22 12:54	1.48	3	Unplanned	Landfill / Wellfield	Restart Only
1/11/22 11:25	1/11/22 12:14	0.82	2	Unplanned	Landfill / Wellfield	Restart Only
1/11/2022 11:25	1/11/22 12:07	0.70	5	Unplanned	Landfill / Wellfield	Restart Only
1/13/22 1:14	1/13/22 1:44	0.50	6	Unplanned	Ameresco	Replace, and Restart
1/17/22 5:54	1/17/22 6:36	0.70	6	Unplanned	Ameresco	Restart Only
1/18/22 18:56	1/18/22 20:19	1.38	6	Unplanned	Ameresco	Replace, and Restart
1/18/22 23:19	1/19/22 0:22	1.05	6	Unplanned	Ameresco	Restart Only
1/18/22 23:19	1/19/22 0:37	1.30	2	Unplanned	Ameresco	Restart Only
1/18/22 23:19	1/19/22 0:51	1.53	1	Unplanned	Ameresco	Restart Only
1/18/22 23:19	1/19/22 0:27	1.13	5	Unplanned	Ameresco	Restart Only
1/18/22 23:19	1/19/22 0:23	1.07	3	Unplanned	Ameresco	Restart Only
1/19/22 21:49	1/19/22 21:57	0.13	4	Unplanned	Ameresco	Restart Only
1/19/22 22:00	1/19/22 22:08	0.13	4	Unplanned	Ameresco	Restart Only
1/19/22 22:10	1/19/22 22:25	0.25	4	Unplanned	Ameresco	Restart Only
1/20/22 8:06	1/20/22 12:02	3.93	4	Planned	Ameresco	Reconfigure, and Restart
1/21/22 20:47	1/21/22 21:27	0.67	6	Unplanned	Ameresco	Reconfigure, and Restart
1/25/22 1:55	1/25/22 2:23	0.47	6	Unplanned	Ameresco	Replace, and Restart
1/26/22 1:21	1/26/22 2:10	0.82	1	Unplanned	Ameresco	Reconfigure, and Restart
1/26/22 12:57	1/26/22 13:09	0.20	1	Unplanned	Ameresco	Reconfigure, and Restart
1/29/22 14:09	1/29/22 15:26	1.28	5	Proactive	Ameresco	Repair, and Restart
1/30/22 1:07	1/30/22 1:48	0.68	6	Unplanned	Ameresco	Replace, and Restart
1/31/22 14:54	1/31/22 15:01	0.12	6	Proactive	Ameresco	Replace, and Restart
2/1/22 1:34	2/1/22 2:20	0.77	6	Unplanned	Ameresco	Restart Only
2/1/22 1:34	2/1/22 2:37	1.05	3	Unplanned	Ameresco	Restart Only
2/1/22 1:34	2/1/22 2:26	0.87	5	Unplanned	Ameresco	Restart Only
2/3/22 10:57	2/3/22 13:04	2.12	3	Unplanned	Ameresco	Replace, and Restart
2/3/22 16:04	2/3/22 17:02	0.97	3	Unplanned	Ameresco	Repair, and Restart
2/4/22 15:13	2/4/22 15:53	0.67	6	Proactive	Ameresco	Replace, and Restart
2/7/22 9:56	2/7/22 14:22	4.43	6	Planned	Ameresco	Repair, Reconfigure, Replace, and Restart
2/8/22 9:55	2/8/22 18:03	8.13	1	Planned	Ameresco	Repair, Reconfigure, Replace, and Restart
2/9/22 8:20	2/9/22 13:05	4.75	3	Planned	Ameresco	Reconfigure, Replace, and Restart
2/9/22 9:34	2/9/22 15:59	6.42	1	Planned	Ameresco	Restart Only
2/9/22 9:39	2/9/22 15:46	6.12	2	Planned	Ameresco	Restart Only
2/9/22 9:51	2/9/22 15:39	5.80	4	Planned	Ameresco	Restart Only
2/9/22 9:54	2/9/22 15:55	6.02	5	Unplanned	Ameresco	Restart Only
2/9/22 9:59	2/9/22 15:33	5.57	6	Planned	Ameresco	Restart Only
2/9/22 13:05	2/10/22 18:31	29.43	3	Unplanned	Ameresco	Reconfigure, Replace, and Restart
2/10/22 15:10	2/10/22 17:20	2.17	1	Planned	Ameresco	Restart Only
2/10/22 15:10	2/10/22 17:17	2.12	2	Planned	Ameresco	Restart Only
2/10/22 15:13	2/10/22 17:24	2.18	5	Planned	Ameresco	Restart Only
2/10/22 15:14	2/10/22 17:13	1.98	4	Planned	Ameresco	Restart Only
2/10/22 15:15	2/10/22 17:13	1.97	6	Planned	Ameresco	Restart Only
2/11/22 9:55	2/11/22 10:36	0.68	3	Planned	Ameresco	Reconfigure, and Restart

Shutdown Date/Time mm/dd/yy hh:mm	**Startup** Date/time mm/dd/yy hh:mm	**Duration Hours**	**Engines Down**	**Type of Shutdown**	**Reason/Action**	**Comments**
2/15/22 10:21	2/15/22 11:30	1.15	2	Unplanned	Landfill / Wellfield	Restart Only
2/15/22 10:21	2/15/22 11:11	0.83	1	Unplanned	Landfill / Wellfield	Restart Only
2/15/22 10:21	2/15/22 11:48	1.45	3	Unplanned	Landfill / Wellfield	Restart Only
2/15/22 10:21	2/15/22 11:55	1.57	5	Unplanned	Landfill / Wellfield	Restart Only
2/15/22 10:23	2/15/22 11:43	1.33	6	Unplanned	Landfill / Wellfield	Restart Only
2/15/22 10:23	2/15/22 11:35	1.20	4	Unplanned	Landfill / Wellfield	Restart Only
2/15/22 11:14	2/15/22 11:51	0.62	1	Unplanned	Ameresco	Restart Only
2/15/22 12:24	2/15/22 13:15	0.85	1	Unplanned	Ameresco	Reconfigure, and Restart
2/16/22 8:59	2/16/22 9:13	0.23	3	Unplanned	Ameresco	Restart Only
2/16/22 16:42	2/16/22 16:51	0.15	3	Unplanned	Ameresco	Reconfigure, and Restart
2/17/22 0:40	2/17/22 1:53	1.22	3	Unplanned	Ameresco	Reconfigure, and Restart
2/19/22 3:21	2/19/22 3:57	0.60	6	Unplanned	Ameresco	Restart Only
2/19/22 3:21	2/19/22 4:11	0.83	1	Unplanned	Ameresco	Restart Only
2/19/22 3:21	2/19/22 4:05	0.73	4	Unplanned	Ameresco	Restart Only
2/19/22 3:21	2/19/22 4:09	0.80	2	Unplanned	Ameresco	Restart Only
2/19/22 3:21	2/19/22 4:04	0.72	5	Unplanned	Ameresco	Restart Only
2/19/22 3:21	2/19/22 4:13	0.87	3	Unplanned	Ameresco	Restart Only
2/21/22 12:57	2/21/22 13:16	0.32	5	Unplanned	Ameresco	Replace, and Restart
2/21/22 12:57	2/21/22 13:14	0.28	6	Unplanned	Ameresco	Replace, and Restart
2/21/22 12:57	2/21/22 13:26	0.48	4	Unplanned	Ameresco	Replace, and Restart
2/21/22 12:57	2/21/22 14:27	1.50	1	Unplanned	Ameresco	Replace, and Restart
2/21/22 12:57	2/21/22 13:20	0.38	2	Unplanned	Ameresco	Replace, and Restart
2/21/22 12:57	2/21/22 13:16	0.32	3	Unplanned	Ameresco	Replace, and Restart
2/21/22 13:18	2/21/22 13:24	0.10	6	Unplanned	Ameresco	Restart Only
2/21/22 14:33	2/21/22 14:46	0.22	5	Unplanned	Ameresco	Replace, and Restart
2/22/22 17:39	2/22/22 18:24	0.75	3	Unplanned	Ameresco	Reconfigure, and Restart
2/24/22 10:01	2/24/22 11:04	1.05	3	Unplanned	Ameresco	Replace, and Restart
2/26/22 20:56	2/26/22 21:47	0.85	5	Unplanned	Ameresco	Replace, and Restart
3/2/22 6:44	3/2/22 7:11	0.45	5	Unplanned	Engine	Replace, and Restart
3/2/22 12:12	3/2/22 14:58	2.77	3	Proactive	Engine	Replace, and Restart
3/3/22 21:56	3/4/22 10:02	12.10	6	Unplanned	Oxygen Levels	Restart Only
3/3/22 21:56	3/4/22 10:54	12.97	4	Unplanned	Oxygen Levels	Restart Only
3/3/22 21:56	3/4/22 10:29	12.55	5	Unplanned	Oxygen Levels	Restart Only
3/3/22 21:56	3/4/22 10:10	12.23	2	Unplanned	Oxygen Levels	Restart Only
3/3/22 21:56	3/4/22 10:33	12.62	3	Unplanned	Oxygen Levels	Restart Only
3/3/22 21:56	3/4/22 11:16	13.33	1	Unplanned	Oxygen Levels	Restart Only
3/4/22 10:03	3/4/22 10:16	0.22	6	Unplanned	Engine	Restart Only
3/4/22 18:00	3/5/22 4:34	10.57	1	Unplanned	Electrical Utility	Restart Only
3/4/22 18:00	3/5/22 3:37	9.62	2	Unplanned	Electrical Utility	Restart Only
3/4/22 18:01	3/5/22 3:29	9.47	3	Unplanned	Electrical Utility	Restart Only
3/4/22 18:03	3/5/22 3:20	9.28	5	Unplanned	Electrical Utility	Restart Only
3/4/22 18:05	3/5/22 3:17	9.20	4	Unplanned	Electrical Utility	Restart Only
3/4/22 18:05	3/5/22 3:22	9.28	6	Unplanned	Electrical Utility	Restart Only
3/14/22 7:25	3/14/22 8:29	1.07	1	Unplanned	Engine	Restart Only
3/14/22 15:09	3/14/22 17:31	2.37	6	Unplanned	BOP Control System	Restart Only
3/14/22 15:09	3/14/22 18:25	3.27	4	Unplanned	BOP Control System	Restart Only
3/14/22 15:09	3/14/22 19:14	4.08	1	Unplanned	BOP Control System	Restart Only
3/14/22 15:09	3/14/22 18:18	3.15	5	Unplanned	BOP Control System	Restart Only
3/14/22 15:09	3/14/22 17:24	2.25	3	Unplanned	BOP Control System	Restart Only
3/14/22 15:09	3/14/22 17:26	2.28	2	Unplanned	BOP Control System	Restart Only
3/14/22 19:46	3/15/22 6:43	10.95	1	Unplanned	Engine	Restart Only
3/15/22 8:19	3/15/22 17:00	8.68	2	Planned	Engine	Reconfigure, Replace, and Restart

Shutdown Date/Time mm/dd/yy hh:mm	**Startup** Date/time mm/dd/yy hh:mm	**Duration Hours**	**Engines Down**	**Type of Shutdown**	**Reason/Action**	**Comments**
3/15/22 8:57	3/15/22 9:15	0.30	3	Unplanned	Other	Restart Only
3/15/22 12:28	3/15/22 18:36	6.13	6	Planned	Engine	Replace, and Restart
3/15/22 17:08	3/15/22 17:21	0.22	2	Unplanned	Engine	Restart Only
3/15/22 18:37	3/15/22 18:53	0.27	6	Unplanned	Engine	Restart Only
3/16/22 8:28	3/16/22 9:14	0.77	2	Unplanned	Engine	Reconfigure, and Restart
3/22/22 7:54	3/22/22 9:04	1.17	2	Unplanned	Engine	Reconfigure, and Restart
3/22/22 9:20	3/22/22 11:39	2.32	2	Unplanned	Engine	Replace, and Restart
3/24/22 14:29	3/24/22 14:52	0.38	6	Unplanned	Engine	Replace, and Restart
3/24/22 14:53	3/24/22 17:56	3.05	6	Unplanned	Engine	Replace, and Restart
3/25/22 4:36	3/25/22 5:17	0.68	6	Unplanned	Engine	Replace, and Restart

*Engine 5 was offline at the beginning of the reporting period. For reporting purposes, the shutdown is calculated as of October 1, 2021 at 00:00.

TSA = Thermal Swing Adsorber

H2S = Hydrogen Sulfide

SCR = Selective Catalytic Reducer

HVAC = Heating, Ventilation, and Air Conditioning

BOP = Blowout Preventer

APPENDIX E

GCCS DOWNTIME

Emission Control Devices
Gas Collection and Control System (GCCS) Downtime Summary

Ox Mountain Landfill, Half Moon Bay, CA
GCCS Downtime Report Period October 1, 2021 Through March 31, 2022

SHUTDOWN DATE/TIME	START-UP DATE/TIME	TOTAL DOWNTIME (hours)	COMMENTS OR REASONS	ACTION TAKEN
10/19/21 11:44	10/19/21 11:45	0.02	The A-7 Flare was shut down due to high temperature. The Ameresco power plant was shut down due to the heating, ventilation, and air conditioning (HVAC) system. The A-9 was shut down due the Ameresco power plant operation.	Engines 1, 2, 3, 4, 5, and 6, were restarted. The A-7 Flare was manually restarted.
10/22/21 10:40	10/22/21 10:49	0.15	The A-7 Flare was shut down due to a Pacific Gas and Electric (PG&E) power outage. The Ameresco power plant was shut down due to the HVAC system. The A-9 was shut down due the Ameresco power plant operation.	Engines 1, 2, 3, 4, 5, and 6, were replaced and restarted. The A-7 Flare was manually restarted.
11/15/21 10:42	11/15/21 11:40	0.97	The A-7 Flare was shut down due an air leak in the wellfield. The Ameresco power plant was shut down due to high oxygen levels. The A-9 was shut down due to low temperature.	Engines 1, 2, 3, 4, 5, and 6, were restarted. The A-7 Flare was manually restarted.
12/21/21 21:54	12/21/21 22:18	0.40	The A-7 Flare and Ameresco power plan were shut down due a false alarm sent by Ameresco.	The A-9 and A-7 Flares were manually restarted. Engines 1, 2, 3, 4, 5, and 6, were restarted.
12/25/21 0:54	12/25/21 10:04	9.17	The A-7 Flare and Ameresco power plan were shut down due an unplanned Pacific Gas and Electric (PG&E) outage.	The A-9 Flare was manually restarted. The A-7 Flare remained offline. Engines 1, 2, 3, 4, 5, and 6, were restarted.
1/2/22 14:12	1/2/22 14:42	0.50	The A-7 Flare and Ameresco power plant were shut down due to wellfield activities.	The A-9 Flare was manually restarted.
1/2/22 14:46	1/2/22 14:52	0.10	The A-9 Flare a shut down due to high temperature .	The A-9 Flare was manually restarted. The A-7 Flare remained offline. E
1/2/22 15:00	1/2/22 15:08	0.13	The A-9 Flare a shut down due to high temperature .	The A-9 Flare was manually restarted. The A-7 Flare remained offline. Engines 1, 2, 3, 4, 5, and 6, were restarted.
1/11/22 11:58	1/11/22 12:03	0.08	The A-7 Flare and Ameresco power plant shut down due to wellfield activities.	Engines 1, 2, 3, 5, and 6, were restarted.
2/19/22 3:21	2/19/22 3:52	0.52	An unplanned shutdown occurred at the Ameresco power plant due an LEL sensor issue caused a surge in flow that caused the A-7 Flare to shutdown due to high temperature.	Ameresco technician responded to the outage, began inspection of Ameresco facility and started up the A-9 Flare manually until the Ameresco facility could come fully back online.
3/3/22 21:56	3/3/22 23:02	1.10	A-7 Flare was down due to liquids GCCS header maintenance to address ongoing liquids issue and remained down at the end of March 3, 2022 pending additional work the next day. Ameresco LFGTE facility shutdown due to high oxygen that was the result of the GCCS maintenance which caused liquids to move through and overwhelm the knock-out pot which allowed for oxygen intrusion into the system.	Ameresco responded to the shutdown. Following arriving on site Ameresco personnel did an inspection of the systems for the LFGTE facility and A-9 Flare. Once inspection was completed and issued addressed with facility equipment, they started up the A-9 Flare. Site personnel are working on the GCCS maintenance items to further address the system liquids and to ensure continuous operation of the A-7 Flare and Ameresco LFGTE facility.
3/14/22 15:26	3/14/22 15:36	0.17	The A-7 flare shutdown due to high temperature. The Ameresco LFGTE Plant shut down due to the BOP Control System.	The A-7 and A-9 Flares were restarted.

Combined Emission Control Devices	
OCTOBER 1, 2021 THROUGH MARCH 31, 2022 TOTAL DOWNTIME (HOURS):	**13.30**
2021 TOTAL DOWNTIME (HOURS):	**18.57**
2022 TOTAL DOWNTIME (HOURS):	**2.60**
TOTAL PERMITTED DOWNTIME (HOURS):	**240**
2021 DOWNTIME PERCENT OF 240 HOURS:	**7.74%**
2022 DOWNTIME PERCENT OF 240 HOURS:	**1.08%**

Notes: 1 - GCCS Downtime is when all emission control devices are not operating.

APPENDIX F

FLARE FLOW AND TEMPERATURE DEVIATION/INOPERATIVE MONITORING/MISSING DATA REPORTS

Ox Mountain Landfill, Half Moon Bay, California
A-7 FLARE TEMPERATURE DEVIATION/ INOPERATIVE MONITOR REPORT OCTOBER 1, 2021 THROUGH MARCH 31, 2022

REPORT PREPARED BY: Tetra Tech **DATE:** April 1, 2022
TEMPERATURE SENSING DEVICE: Thermocouple **MODEL:** Thermo-Electric

START DATE & TIME	END DATE & TIME	TEMP (°F) / FLOW	CAUSE	EXPLANATION	ACTION TAKEN
No deviations or inoperative monitors were reported during the October 1, 2021 through March 31, 2022 Reporting Period.					

COMMENTS:

1 In accordance with Title V Permit Condition Number 10164, Part 23(a), the A-7 Flare combustion zone 3-hour average temperature did not drop below 1,400 degrees Fahrenheit (°F) while the flare was in operation.

2 The A-7 Flare combustion zone 3-hour average temperature did not drop below the 1,492°F limit (source test temperature minus 50 degrees) established during the August 6, 2021 annual source test, while the flare was in operation, pursuant to Title V Permit Condition Number 10164 Part 23, and 40 Code of Federal Regulation (CFR) 60.752 b(2)(iii)(B)(2) in Subpart WWW of the New Source Performance Standard (NSPS).

3 As of March 31, 2016, Republic Services, Inc. (RSI) will only consider Title V Permit Condition Number 10164, Part 23(b) as referred to in comment 1 above, a deviation.

Ox Mountain Landfill, Half Moon Bay, California
A-8 FLARE TEMPERATURE DEVIATION/ INOPERATIVE MONITOR REPORT OCTOBER 1, 2021 THROUGH MARCH 31, 2022

REPORT PREPARED BY: Tetra Tech **DATE:** April 1, 2022
TEMPERATURE SENSING DEVICE: Thermocouple **MODEL:** Thermo-Electric

START DATE & TIME	END DATE & TIME	TEMP (°F) / FLOW	CAUSE	EXPLANATION	ACTION TAKEN
No deviations or inoperative monitors were reported during the October 1, 2021 through March 31, 2022 Reporting Period.					

COMMENTS:

1 In accordance with Title V Permit Condition Number 10164, Part 23(b), the A-8 Flare combustion zone 3-hour average temperature did not drop below 1,400 degrees Fahrenheit (°F) while the flare was in operation.

2 The A-8 Flare combustion zone 3-hour average temperature did not drop below the 1,521°F limit established during the September 13, 2016 annual source test, while the flare was in operation, pursuant to Title V Permit Condition Number 10164 Part 23, and 40 Code of Federal Regulation (CFR) 60.752 b(2)(iii)(B)(2) in Subpart WWW of the New Source Performance Standard (NSPS).

3 As of March 31, 2016, Republic Services, Inc. (RSI) will only consider Title V Permit Condition Number 10164, Part 23(b) as referred to in comment 1 above, a deviation.

Ox Mountain Landfill, Half Moon Bay, California
A-9 FLARE TEMPERATURE DEVIATION/ INOPERATIVE MONITOR REPORT OCTOBER 1, 2021 THROUGH MARCH 31, 2022

REPORT PREPARED BY: Tetra Tech **DATE:** October 1, 2021
TEMPERATURE SENSING DEVICE: Thermocouple **MODEL:** Thermo-Electric

START DATE & TIME	END DATE & TIME	TEMP (°F) / FLOW	CAUSE	EXPLANATION	ACTION TAKEN
No deviations or inoperative monitors were reported during the October 1, 2021 through March 31, 2022 Reporting Period.					

COMMENTS:

1 In accordance with Title V Permit Condition Number 10164, Part 23(c), the A-9 Flare combustion zone 3-hour average temperature shall not drop below 1,400 degrees Fahrenheit (°F) while the flare was in operation.

2 The A-9 Flare combustion zone 3-hour average temperature did not drop below the 1,418°F limit (source test temperature minus 50 degrees) established during the August 6, 2021 annual source test, while the flare was in operation, pursuant to Title V Permit Condition Number 10164 Part 23, and 40 Code of Federal Regulation (CFR) 60.752 b(2)(iii)(B)(2) in Subpart WWW of the New Source Performance Standard (NSPS).

3 As of March 31, 2016, Republic Services, Inc. (RSI) will only consider Title V Permit Condition Number 10164, Part 23(b) as referred to in comment 1 above, a deviation.

4 GCCS = Gas Collection and Control System

APPENDIX G

COVER INTEGRITY MONITORING LOGS

OPERATIONS AND MAINTENANCE SITE INSPECTION REPORT
COVER INTEGRITY INSPECTION

LOCATION: Ox Mountain

INSPECTION DATE: 10-13-21

TECHNICIAN: Matt Bowman

SECURITY & ACCESS	YES	NO	COMMENTS
Entrance locked and secured	X		
Signs clearly posted	X		
Evidence of trespassing		X	
Litter or debris on-site		X	
Fence in good condition	X		

COVER & VEGETATION	YES	NO	COMMENTS
Settling of cap		X	
Erosion on cap system		X	
Erosion on side slopes		X	erosion noticed on upper benches reported & recently fixed
Ponding of water on cap		X	ponding reported & addressed by site ops
Surface cracking		X	
Acceptable vegetation	X		large tree on cover, reported & chopped down in march
Exposed waste		X	

LFG SYSTEM	YES	NO	COMMENTS
Extraction wells in good condition	X		
Flare/Blower station secured	X		

OPERATIONS AND MAINTENANCE SITE INSPECTION REPORT
COVER INTEGRITY INSPECTION

LOCATION:	Ox Mountain
INSPECTION DATE:	11-23-21
TECHNICIAN:	Matt Bowman

SECURITY & ACCESS	YES	NO	COMMENTS
Entrance locked and secured	X		
Signs clearly posted	X		
Evidence of trespassing		X	
Litter or debris on-site		X	
Fence in good condition	X		

COVER & VEGETATION	YES	NO	COMMENTS
Settling of cap		X	
Erosion on cap system		X	
Erosion on side slopes		X	erosion noticed on upper benches reported & recently fixed
Ponding of water on cap		X	ponding reported & addressed by site ops
Surface cracking		X	
Acceptable vegetation	X		trees on cover have been reported to site
Exposed waste		X	

LFG SYSTEM	YES	NO	COMMENTS
Extraction wells in good condition	X		
Flare/Blower station secured	X		

OPERATIONS AND MAINTENANCE SITE INSPECTION REPORT
COVER INTEGRITY INSPECTION

LOCATION: Ox Mountain Landfill

INSPECTION DATE: 12-22-21

TECHNICIAN: Matt Bowman

SECURITY & ACCESS	YES	NO	COMMENTS
Entrance locked and secured	X		
Signs clearly posted	X		
Evidence of trespassing		X	
Litter or debris on-site		X	
Fence in good condition	X		

COVER & VEGETATION	YES	NO	COMMENTS
Settling of cap		X	
Erosion on cap system		X	
Erosion on side slopes	X		Erosion documented from winter rain
Ponding of water on cap	X		Ponding documented from winter rain
Surface cracking		X	
Acceptable vegetation	X		
Exposed waste		X	

LFG SYSTEM	YES	NO	COMMENTS
Extraction wells in good condition	X		
Flare/Blower station secured	X		

OPERATIONS AND MAINTENANCE SITE INSPECTION REPORT
COVER INTEGRITY INSPECTION

LOCATION: Ox Mountain Landfill

INSPECTION DATE: 1-21-22

TECHNICIAN: Matt Bowman

SECURITY & ACCESS	YES	NO	COMMENTS
Entrance locked and secured	X		
Signs clearly posted	X		
Evidence of trespassing		X	
Litter or debris on-site		X	
Fence in good condition	X		

COVER & VEGETATION	YES	NO	COMMENTS
Settling of cap		X	
Erosion on cap system		X	
Erosion on side slopes	X		Erosion documented from winter rain
Ponding of water on cap	X		Ponding documented from winter rain
Surface cracking		X	
Acceptable vegetation	X		
Exposed waste		X	

LFG SYSTEM	YES	NO	COMMENTS
Extraction wells in good condition	X		
Flare/Blower station secured	X		

OPERATIONS AND MAINTENANCE SITE INSPECTION REPORT
COVER INTEGRITY INSPECTION

LOCATION: Ox Mountain Landfill

INSPECTION DATE: 2-24-22

TECHNICIAN: Matt Bowman

SECURITY & ACCESS	YES	NO	COMMENTS
Entrance locked and secured	X		
Signs clearly posted	X		
Evidence of trespassing		X	
Litter or debris on-site		X	
Fence in good condition	X		

COVER & VEGETATION	YES	NO	COMMENTS
Settling of cap		X	
Erosion on cap system		X	
Erosion on side slopes	X		Most erosion from end of 21' being repaired
Ponding of water on cap	X		Ponding in process of being repaired
Surface cracking		X	
Acceptable vegetation	X		
Exposed waste		X	

LFG SYSTEM	YES	NO	COMMENTS
Extraction wells in good condition	X		
Flare/Blower station secured	X		

OPERATIONS AND MAINTENANCE SITE INSPECTION REPORT
COVER INTEGRITY INSPECTION

LOCATION: Ox Mountain Landfill

INSPECTION DATE: 3-17-22

TECHNICIAN: Matt Bowman

SECURITY & ACCESS	YES	NO	COMMENTS
Entrance locked and secured	X		
Signs clearly posted	X		
Evidence of trespassing		X	
Litter or debris on-site		X	
Fence in good condition	X		

COVER & VEGETATION	YES	NO	COMMENTS
Settling of cap		X	
Erosion on cap system		X	
Erosion on side slopes	X		Most serious erosion from end of 21' has been repaired
Ponding of water on cap		X	Ponding has been repaired
Surface cracking	X		Identified crack near ew2006, informed site
Acceptable vegetation	X		Site in process of mowing taller grasses
Exposed waste		X	

LFG SYSTEM	YES	NO	COMMENTS
Extraction wells in good condition	X		
Flare/Blower station secured	X		

APPENDIX H

SURFACE EMISSIONS MONITORING REPORTS

TETRA TECH

December 9, 2021

Mr. Ben Wade
Browning-Ferris Industries of California, Inc.
Ox Mountain Landfill
12310 San Mateo Rd
Half Moon Bay, CA 94019

Subject: Third Quarter 2021 Surface Emissions Monitoring Results for the Ox Mountain Landfill, Half Moon Bay, CA

Dear Mr. Wade:

This report provides results of the Third Quarter 2021 New Source Performance Standards (NSPS) and California Air Resources Board (CARB) Landfill Methane Rule (LMR) surface emissions monitoring (SEM) performed by Tetra Tech and a Tetra Tech subcontractor at the Ox Mountain Landfill. All work was performed in accordance with Republic Standard Operating Procedures (SOP), NSPS and LMR requirements.

SUMMARY AND CONCLUSIONS

As stipulated in the LMR, if uncorrectable exceedances within 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. Therefore, based on the previous monitoring events, in which exceedances were observed, the monitoring at the Ox Mountain Landfill was performed on 25-foot pathways in accordance with the LMR.

As required by the LMR, the landfill was divided into 50,000 square foot or less (partial) areas. The Ox Mountain Landfill surface area was therefore, divided into one hundred and sixty-four (164) individual grids as shown in Appendix A.

The Third Quarter 2021 SEM testing results indicated forty-three (43) locations that exceeded the NSPS (Grids) and LMR (Grids and Penetrations) instantaneous methane concentration threshold of 500 parts per million by volume (ppmv) during the initial monitoring event. No exceedances of the LMR integrated threshold limit of 25 ppmv as measured as methane above background were detected. System adjustments and repair work was performed by site personnel. Subsequent re-monitoring occurred within the required timelines of NSPS and the LMR. Re-monitoring indicated there were four (4) locations with remaining instantaneous exceedances and zero (0) grids with remaining integrated exceedances as of the end of the quarter. Results are discussed further in a subsequent section of this report.

Additionally, during this event, some grids were not monitored as these areas were deemed unsafe by Tetra Tech, Tetra Tech's subcontractor, and/or site personnel for entry due to active filling operations, heavy traffic, or steep slopes, which could cause a potential for injury of monitoring personnel as follows:

- Full grids 21, 22, 26, 29, 30, 31, 34, 35, 37, 38, 42, 44, 45, 48, 50, 51, 57, 58, 59, 60, 65, 66, 67, 73, 74, 75, 79, 80, 81, 82, 86, 87, 88, 89, 94, 95, 100, 101, 106, 107, 112, 113, 118, 119, and 125 were not monitored due to active filling operations, active construction, heavy equipment traffic, vegetation, or steep slopes (steeper than 33.5% or 18 degrees) which resulted in unsafe conditions. (see Appendix A).

- Partial grids 25, 27, 28, 36, 41, 43, 47, 49, 55, 56, 63, 64, 71, 72, 78, 93, and 99 were partially monitored due to active filling operations, active construction, heavy equipment traffic, vegetation, or steep slopes (steeper than 33.5% or 18 degrees) which resulted in unsafe conditions. (see Appendix A).

Areas consisting of native soil (no waste in place) were also exempted from monitoring, in accordance with the LMR. Any wells located in grids noted as exempt from monitoring due to health and safety concerns but remained accessible were monitored on an as-needed basis. Excluded areas are provided on the field map in Appendix A.

Further, as required under the LMR, any location on the landfill that has an observed instantaneous methane concentration greater than or equal to 500 ppmv, must be stake-marked and Global Positioning System (GPS) located on a site figure. When concentrations greater than or equal to 500 ppmv are observed during monitoring events, they are reported to site personnel and included in the quarterly report for that event for inclusion into the annual report as required.

Locations with concentrations between 200 ppmv and 499 ppmv are for reporting purposes only and require no remediation, as they are not an exceedance. Forty-six (46) locations were found during the monitoring between the LMR instantaneous recording levels of 200 ppmv to 499 ppmv.

Finally, to help prevent potential future exceedances, Tetra Tech recommends that the landfill surface be routinely inspected, any observed surface erosion be routinely repaired, and flowrates to the destruction devices be maximized.

BACKGROUND

The Ox Mountain Landfill is an active municipal solid waste disposal site. By way of background, municipal solid waste buried in a landfill decompose anaerobically (in the absence of oxygen) producing a combustible gas, which contains approximately 50 to 60 percent methane, 40 to 50 percent carbon dioxide, and trace amounts of various other gases, some of which are odorous. The Ox Mountain Landfill property contains a Gas Collection and Control System (GCCS) to control the combustible gases generated in the landfill that may otherwise either vent vertically to the atmosphere or migrate horizontally through subsurface soil to locations on adjacent properties.

SURFACE EMISSIONS MONITORING

Instantaneous and integrated SEM was performed over the surface of the subject site on September 14, 15, 17, 23, 24, and 27, 2021 and October 4, 14, 15, 16, 17, and 29, 2021. 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 exceeding the threshold limit values of 25 ppmv for the integrated monitoring in the 50,000 square foot grids as required under the LMR. During this event Tetra Tech performed the monitoring on 25-foot pathways 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:

- Trimble SiteFID Landfill Gas Monitor Portable Flame Ionization Detector (FID). This instrument measures methane in air over a range of 1 to 50,000 ppmv. The FID meets the CARB requirements for combined instantaneous and integrated monitoring and was calibrated in accordance with United States Environmental Protection Agency (US EPA) Method 21 and manufacturers specifications.

- A portable wind data logger by Secure Digital is used to monitor and log wind speeds while performing emissions monitoring. Field observations and local weather station information is used to track weather conditions and rain events.

Instrument calibration logs and instantaneous weather information are shown in Appendix D and E.

SURFACE EMISSIONS MONITORING PROCEDURES

Instantaneous and integrated SEM was conducted in accordance with NSPS and LMR requirements. Monitoring was performed with the FID inlet held within 2 inches of the landfill surface while a technician walked a grid in parallel paths not more than 25-feet apart over the surface of the landfill unless site safety conditions or prior monitoring results allowed 100-foot pathways. 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 500 ppmv threshold limits (reporting and compliance levels, respectively) were GPS tagged, any locations exceeding the 500 ppmv threshold limit were 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 software provided by the instrument manufacturer. 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 Appendix F. Wind speed 15-minute averages were observed to remain below the alternative requested 10 miles per hour (based on 60 second intervals), and no instantaneous speeds exceeded 20 miles per hour during the testing. Monitoring was terminated when average wind speed exceeded 5 miles per hour. No rainfall occurred during or within 24 hours of monitoring, in accordance with the alternative compliance condition. Therefore, site meteorological conditions were within the requested alternatives of the LMR requirements on the above-mentioned dates.

TESTING RESULTS

During the initial monitoring events on September 14, 15, 16, and 17, 2021 there were forty-three (43) locations that exceeded the NSPS (Grids) and LMR (Grids and Penetrations) instantaneous level of 500 ppmv. There were no exceedances of the LMR integrated threshold limit of 25 ppmv as measured as methane above background detected. System adjustments and repair work (repair of boreholes, vacuum increases to nearby extraction wells and re-compaction of soil) was performed by site personnel. The subsequent 10-day re-monitoring event which was conducted on September 17, 23, 24, and 27, 2021 indicated that the thirty-nine (39) areas with instantaneous and integrated exceedances had returned to compliance. Therefore, after the initial first 10-day re-monitoring event, four (4) instantaneous locations remained above the LMR thresholds of compliance. The second additional 10-day instantaneous monitoring event took place on October 4, 2021 and revealed the four (4) instantaneous locations remained in exceedance, triggering the 120-day GCCS expansion timeline.

Follow-up monitoring to the initial event was conducted within the one-month interval, as required, on October 14, 15, 16, and 17, 2021. All accessible areas of initial exceedance were re-monitored during these times following additional abatement activities by site personnel. After the one-month confirmation re-monitoring event, nine (9) instantaneous locations remained above the LMR thresholds of compliance. The required 10-day re-monitoring event of the nine (9) of the instantaneous locations was completed on October 29, 2021 and none of the locations remained in exceedance. Based on these results, no further monitoring is required until the Fourth Quarter of 2021. The deadline to expand the GCCS as a result of the four (4) unabated exceedances is January 13, 2022. Results of the monitoring are shown in Appendix B and C. Calibration logs for the monitoring equipment are provided in Appendix D.

Furthermore, as required by the NSPS for surface emissions, the landfill perimeter was walked and tested. Results of this testing indicated that no exceedances of the 500 ppmv limit were observed, therefore the site perimeter was in compliance with the requirements of the rule.

As mentioned above:

- Full grids 21, 22, 26, 29, 30, 31, 34, 35, 37, 38, 42, 44, 45, 48, 50, 51, 57, 58, 59, 60, 65, 66, 67, 73, 74, 75, 79, 80, 81, 82, 86, 87, 88, 89, 94, 95, 100, 101, 106, 107, 112, 113, 118, 119, and 125 were not monitored due to active filling operations, active construction, heavy equipment traffic, vegetation, or steep slopes (steeper than 33.5% or 18 degrees) which resulted in unsafe conditions. (see Appendix A).

- Partial grids 25, 27, 28, 36, 41, 43, 47, 49, 55, 56, 63, 64, 71, 72, 78, 93, and 99 were partially monitored due to active filling operations, active construction, heavy equipment traffic, vegetation, or steep slopes (steeper than 33.5% or 18 degrees) which resulted in unsafe conditions. (see Appendix A).

These areas were deemed unsafe by the Tetra Tech subcontractor personnel for entry due to active filling operations, construction, and other dangerous or unsafe conditions, which could cause a potential for injury of monitoring personnel (Appendix A).

Areas consisting of native soil (no waste in place) are also exempt from monitoring, in accordance with the LMR.

Any wells located in grids noted as exempt from monitoring due to health and safety concerns but remained accessible were monitored on an as-needed basis.

PROJECT SCHEDULE

Following the initial events performed on September 14, 15, 16, and 17, 2021, subsequent re-monitoring was scheduled for ten days later. The first 10-day re-monitoring events were performed on September 17, 23, 24, and 27, 2021. The second additional 10-day instantaneous monitoring event took place on October 4, 2021 and revealed the four (4) instantaneous locations remained in exceedance. The one-month confirmation testing on abated instantaneous readings was performed on October 14, 15, 16, and 17, 2021, and indicated the nine (9) exceedances remained above the LMR thresholds of compliance. The required 10-day re-monitoring event of the nine (9) of the instantaneous locations was completed on October 29, 2021 and none of the locations remained in exceedance.

In accordance with the approved Scope of Work, Tetra Tech is scheduled to perform the Fourth Quarter NSPS and LMR monitoring event by the end of December 2021 in all areas deemed safe for entry.

STANDARD PROVISIONS

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

If you have any questions regarding this report, please contact Justin Ruhle at (925) 323-6866.

Thank you,

Justin Ruhle – O&M West Area Manager

This report contains the following Appendices:

Appendix A: Surface Grid Map

Appendix B: Instantaneous Monitoring Results

Appendix C: Integrated Monitoring Results

Appendix D: Calibration Logs

Appendix E: Weather Data

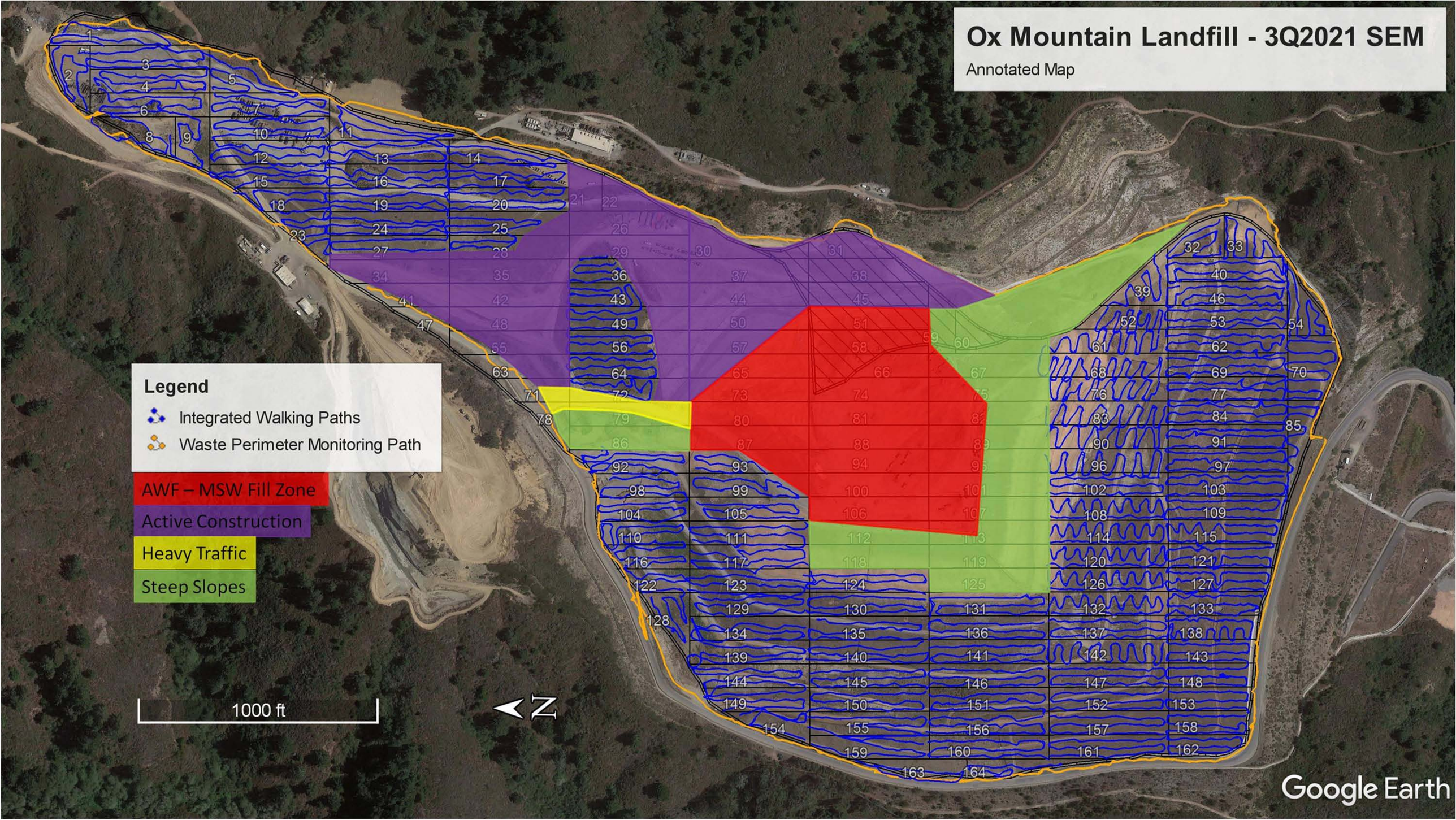
Appendix F: Wind Speed Data

APPENDIX A

SURFACE GRID MAP

Ox Mountain Landfill - 3Q2021 SEM

Annotated Map



APPENDIX B

INSTANTANEOUS MONITORING RESULTS

Table 2

INITIAL INSTANTANEOUS MONITORING RESULTS

3Q2021 Ox Mountain Landfill

FILE NAME	DATE	GRID NO. / WELL ID.	ID NO.	LATITUDE WGS84	LONGITUDE WGS84	METHANE CONCENTRATION (ppmv)
MONITOR_OX_MTNwells_GRID_CP01_2021_Q3_Initial.csv	9/15/2021	CP01	NA	37.500422	-122.414587	0.0
MONITOR_OX_MTNwells_GRID_CP02_2021_Q3_Initial.csv	9/15/2021	CP02	NA	37.500948	-122.414753	0.0
MONITOR_OX_MTNwells_GRID_CP03_2021_Q3_Initial.csv	9/14/2021	CP03	NA	37.496167	-122.411647	233.4
MONITOR_OX_MTNwells_GRID_CP04_2021_Q3_Initial.csv	9/14/2021	CP04	NA	37.496093	-122.411058	0.0
MONITOR_OX_MTNwells_GRID_CP06_2021_Q3_Initial.csv	9/14/2021	CP06	NA	37.496277	-122.412262	0.0
MONITOR_OX_MTNwells_GRID_CP09_2021_Q3_Initial.csv	9/14/2021	CP09	NA	37.496335	-122.412673	0.0
MONITOR_OX_MTNwells_GRID_CP10_2021_Q3_Initial.csv	9/15/2021	CP10	NA	37.502938	-122.410267	20.1
MONITOR_OX_MTNwells_GRID_CP11_2021_Q3_Initial.csv	9/15/2021	CP11	NA	37.500622	-122.409893	3.9
MONITOR_OX_MTNwells_GRID_CP13_2021_Q3_Initial.csv	9/15/2021	CP13	NA	37.495470	-122.410812	0.0
MONITOR_OX_MTNwells_GRID_CP15_2021_Q3_Initial.csv	9/14/2021	CP15	NA	37.495653	-122.410370	0.0
MONITOR_OX_MTNwells_GRID_CP16_2021_Q3_Initial.csv	9/14/2021	CP16	NA	37.495995	-122.410647	0.0
MONITOR_OX_MTNwells_GRID_CP17_2021_Q3_Initial.csv	9/14/2021	CP17	NA	37.497347	-122.413387	906.0
MONITOR_OX_MTNwells_GRID_CP18_2021_Q3_Initial.csv	9/14/2021	CP18	NA	37.497295	-122.412767	0.0
MONITOR_OX_MTNwells_GRID_CP19_2021_Q3_Initial.csv	9/14/2021	CP19	NA	37.497173	-122.411548	0.0
MONITOR_OX_MTNwells_GRID_CP21_2021_Q3_Initial.csv	9/15/2021	CP21	NA	37.500070	-122.415240	1374.3
MONITOR_OX_MTNwells_GRID_CP22_2021_Q3_Initial.csv	9/14/2021	CP22	NA	37.501833	-122.414683	0.0
MONITOR_OX_MTNwells_GRID_CP23_2021_Q3_Initial.csv	9/14/2021	CP23	NA	37.495657	-122.410383	0.0
MONITOR_OX_MTNwells_GRID_CP24_2021_Q3_Initial.csv	9/14/2021	CP24	NA	37.495633	-122.410303	0.0
MONITOR_OX_MTNwells_GRID_CP25_2021_Q3_Initial.csv	9/14/2021	CP25	NA	37.495937	-122.410358	0.0
MONITOR_OX_MTNwells_GRID_CP26_2021_Q3_Initial.csv	9/14/2021	CP26	NA	37.498795	-122.408190	140.9
MONITOR_OX_MTNwells_GRID_CP27_2021_Q3_Initial.csv	9/14/2021	CP27	NA	37.498850	-122.413095	10.6
MONITOR_OX_MTNwells_GRID_CP28_2021_Q3_Initial.csv	9/15/2021	CP28	NA	37.499307	-122.411258	51.7
MONITOR_OX_MTNwells_GRID_CP29_2021_Q3_Initial.csv	9/15/2021	CP29	NA	37.499348	-122.411552	290.3
MONITOR_OX_MTNwells_GRID_CP30_2021_Q3_Initial.csv	9/15/2021	CP30	NA	37.500072	-122.410327	0.0
MONITOR_OX_MTNwells_GRID_CP32_2021_Q3_Initial.csv	9/14/2021	CP32	NA	37.496225	-122.412518	1461.5
MONITOR_OX_MTNwells_GRID_CP33_2021_Q3_Initial.csv	9/14/2021	CP33	NA	37.496292	-122.412803	0.0
MONITOR_OX_MTNwells_GRID_CP34_2021_Q3_Initial.csv	9/14/2021	CP34	NA	37.499063	-122.411177	855.9
MONITOR_OX_MTNwells_GRID_CP35_2021_Q3_Initial.csv	9/14/2021	CP35	NA	37.499005	-122.412120	3566.4
MONITOR_OX_MTNwells_GRID_CP38_2021_Q3_Initial.csv	9/14/2021	CP38	NA	37.495628	-122.410385	0.0
MONITOR_OX_MTNwells_GRID_CP39_2021_Q3_Initial.csv	9/14/2021	CP39	NA	37.499097	-122.415198	187.6
MONITOR_OX_MTNwells_GRID_CP40_2021_Q3_Initial.csv	9/15/2021	CP40	NA	37.497168	-122.414547	0.0
MONITOR_OX_MTNwells_GRID_CP41_2021_Q3_Initial.csv	9/14/2021	CP41	NA	37.495662	-122.410362	0.0
MONITOR_OX_MTNwells_GRID_CP42_2021_Q3_Initial.csv	9/14/2021	CP42	NA	37.495653	-122.410358	0.0
MONITOR_OX_MTNwells_GRID_CP43_2021_Q3_Initial.csv	9/14/2021	CP43	NA	37.495652	-122.410347	0.0
MONITOR_OX_MTNwells_GRID_CP44_2021_Q3_Initial.csv	9/14/2021	CP44	NA	37.495638	-122.410337	0.0
MONITOR_OX_MTNwells_GRID_CP45_2021_Q3_Initial.csv	9/14/2021	CP45	NA	37.495632	-122.410335	0.0
MONITOR_OX_MTNwells_GRID_CP46_2021_Q3_Initial.csv	9/14/2021	CP46	NA	37.495627	-122.410323	0.0
MONITOR_OX_MTNwells_GRID_CP47_2021_Q3_Initial.csv	9/14/2021	CP47	NA	37.495623	-122.410303	0.0
MONITOR_OX_MTNwells_GRID_CP48_2021_Q3_Initial.csv	9/15/2021	CP48	NA	37.500485	-122.407648	0.0
MONITOR_OX_MTNwells_GRID_CP49_2021_Q3_Initial.csv	9/8/2021	CP49	NA	37.503052	-122.408618	0.0
MONITOR_OX_MTNwells_GRID_CP50_2021_Q3_Initial.csv	9/8/2021	CP50	NA	37.503800	-122.408668	0.0
MONITOR_OX_MTNwells_GRID_CP51_2021_Q3_Initial.csv	9/15/2021	CP51	NA	37.502207	-122.410952	7.8
MONITOR_OX_MTNwells_GRID_CP52_2021_Q3_Initial.csv	9/15/2021	CP52	NA	37.502195	-122.410935	327.5
MONITOR_OX_MTNwells_GRID_CP53_2021_Q3_Initial.csv	9/15/2021	CP53	NA	37.495452	-122.410797	0.0
MONITOR_OX_MTNwells_GRID_CP54_2021_Q3_Initial.csv	9/15/2021	CP54	NA	37.495463	-122.410795	0.0
MONITOR_OX_MTNwells_GRID_CP56_2021_Q3_Initial.csv	9/14/2021	CP56	NA	37.496767	-122.407297	2.2
MONITOR_OX_MTNwells_GRID_CP57_2021_Q3_Initial.csv	9/16/2021	CP57	NA	37.499720	-122.408017	452.0
MONITOR_OX_MTNwells_GRID_CP58_2021_Q3_Initial.csv	9/16/2021	CP58	NA	37.499733	-122.408057	55.2
MONITOR_OX_MTNwells_GRID_CP59_2021_Q3_Initial.csv	9/16/2021	CP59	NA	37.499725	-122.408035	1470.7
MONITOR_OX_MTNwells_GRID_CP60_2021_Q3_Initial.csv	9/15/2021	CP60	NA	37.501722	-122.410215	41.2
MONITOR_OX_MTNwells_GRID_CP61_2021_Q3_Initial.csv	9/15/2021	CP61	NA	37.501728	-122.410210	162.7
MONITOR_OX_MTNwells_GRID_CP62_2021_Q3_Initial.csv	9/16/2021	CP62	NA	37.502267	-122.407388	37.4
MONITOR_OX_MTNwells_GRID_CP63_2021_Q3_Initial.csv	9/16/2021	CP63	NA	37.502262	-122.407382	28.5
MONITOR_OX_MTNwells_GRID_CP64_2021_Q3_Initial.csv	9/16/2021	CP64	NA	37.502265	-122.407400	12.0
MONITOR_OX_MTNwells_GRID_CP65_2021_Q3_Initial.csv	9/8/2021	CP65	NA	37.503220	-122.409828	241.8
MONITOR_OX_MTNwells_GRID_CP66_2021_Q3_Initial.csv	9/8/2021	CP66	NA	37.502625	-122.410045	21.1
MONITOR_OX_MTNwells_GRID_CP67_2021_Q3_Initial.csv	9/15/2021	CP67	NA	37.500338	-122.413655	0.0
MONITOR_OX_MTNwells_GRID_CP68_2021_Q3_Initial.csv	9/8/2021	CP68	NA	37.508410	-122.405842	0.0

Table 2

INITIAL INSTANTANEOUS MONITORING RESULTS

3Q2021 Ox Mountain Landfill

FILE NAME	DATE	GRID NO. / WELL ID.	ID NO.	LATITUDE WGS84	LONGITUDE WGS84	METHANE CONCENTRATION (ppmv)
MONITOR_OX_MTNwells_GRID_CP69_2021_Q3_Initial.csv	9/8/2021	CP69	NA	37.506405	-122.406380	0.0
MONITOR_OX_MTNwells_GRID_CP70_2021_Q3_Initial.csv	9/8/2021	CP70	NA	37.503415	-122.406753	0.0
MONITOR_OX_MTNwells_GRID_CP71_2021_Q3_Initial.csv	9/8/2021	CP71	NA	37.502610	-122.407137	1.6
MONITOR_OX_MTNwells_GRID_CP72_2021_Q3_Initial.csv	9/15/2021	CP72	NA	37.499292	-122.415217	170.4
MONITOR_OX_MTNwells_GRID_CP73_2021_Q3_Initial.csv	9/8/2021	CP73	NA	37.503292	-122.409128	0.0
MONITOR_OX_MTNwells_GRID_CP74_2021_Q3_Initial.csv	9/15/2021	CP74	NA	37.499890	-122.409023	32.7
MONITOR_OX_MTNwells_GRID_CP75_2021_Q3_Initial.csv	9/15/2021	CP75	NA	37.499913	-122.409100	8.9
MONITOR_OX_MTNwells_GRID_CP76_2021_Q3_Initial.csv	9/15/2021	CP76	NA	37.502060	-122.411030	5.6
MONITOR_OX_MTNwells_GRID_CP77_2021_Q3_Initial.csv	9/15/2021	CP77	NA	37.501670	-122.410200	85.9
MONITOR_OX_MTNwells_GRID_CP78_2021_Q3_Initial.csv	9/15/2021	CP78	NA	37.500070	-122.411773	0.0
MONITOR_OX_MTNwells_GRID_CP79_2021_Q3_Initial.csv	9/15/2021	CP79	NA	37.499025	-122.410028	23.4
MONITOR_OX_MTNwells_GRID_CP80_2021_Q3_Initial.csv	9/14/2021	CP80	NA	37.495740	-122.410610	0.0
MONITOR_OX_MTNwells_GRID_CP81_2021_Q3_Initial.csv	9/14/2021	CP81	NA	37.496118	-122.412255	36.4
MONITOR_OX_MTNwells_GRID_CP82_2021_Q3_Initial.csv	9/15/2021	CP82	NA	37.499322	-122.408248	1757.9
MONITOR_OX_MTNwells_GRID_CP83_2021_Q3_Initial.csv	9/15/2021	CP83	NA	37.499300	-122.408253	1398.9
MONITOR_OX_MTNwells_GRID_CP84_2021_Q3_Initial.csv	9/15/2021	CP84	NA	37.499862	-122.407978	55.9
MONITOR_OX_MTNwells_GRID_CP85_2021_Q3_Initial.csv	9/15/2021	CP85	NA	37.499328	-122.408913	0.0
MONITOR_OX_MTNwells_GRID_CP87_2021_Q3_Initial.csv	9/14/2021	CP87	NA	37.495597	-122.410202	0.0
MONITOR_OX_MTNwells_GRID_CP88_2021_Q3_Initial.csv	9/14/2021	CP88	NA	37.495948	-122.407835	0.0
MONITOR_OX_MTNwells_GRID_CP89_2021_Q3_Initial.csv	9/16/2021	CP89	NA	37.498428	-122.407835	459.9
MONITOR_OX_MTNwells_GRID_CP90_2021_Q3_Initial.csv	9/15/2021	CP90	NA	37.503558	-122.411625	8.8
MONITOR_OX_MTNwells_GRID_CP91_2021_Q3_Initial.csv	9/15/2021	CP91	NA	37.503577	-122.411700	203.5
MONITOR_OX_MTNwells_GRID_CP92_2021_Q3_Initial.csv	9/15/2021	CP92	NA	37.503537	-122.411825	5.0
MONITOR_OX_MTNwells_GRID_CP93_2021_Q3_Initial.csv	9/15/2021	CP93	NA	37.503562	-122.411775	35.2
MONITOR_OX_MTNwells_GRID_CP94_2021_Q3_Initial.csv	9/15/2021	CP94	NA	37.503515	-122.411703	2.5
MONITOR_OX_MTNwells_GRID_CP95_2021_Q3_Initial.csv	9/15/2021	CP95	NA	37.501380	-122.414170	0.0
MONITOR_OX_MTNwells_GRID_CP96_2021_Q3_Initial.csv	9/15/2021	CP96	NA	37.499302	-122.414053	0.0
MONITOR_OX_MTNwells_GRID_CP97_2021_Q3_Initial.csv	9/14/2021	CP97	NA	37.501783	-122.414617	0.0
MONITOR_OX_MTNwells_GRID_CP98_2021_Q3_Initial.csv	9/14/2021	CP98	NA	37.500983	-122.414925	0.0
MONITOR_OX_MTNwells_GRID_E302D_2021_Q3_Initial.csv	9/14/2021	E302D	NA	37.496708	-122.408165	217.0
MONITOR_OX_MTNwells_GRID_E306D_2021_Q3_Initial.csv	9/14/2021	E306D	NA	37.496488	-122.408997	1127.0
MONITOR_OX_MTNwells_GRID_E312D_2021_Q3_Initial.csv	9/14/2021	E312D	NA	37.497948	-122.411745	4.8
MONITOR_OX_MTNwells_GRID_E316D_2021_Q3_Initial.csv	9/14/2021	E316D	NA	37.501278	-122.413460	2.6
MONITOR_OX_MTNwells_GRID_E317D_2021_Q3_Initial.csv	9/14/2021	E317D	NA	37.500630	-122.413590	0.0
MONITOR_OX_MTNwells_GRID_EW101_2021_Q3_Initial.csv	9/8/2021	EW101	NA	37.504802	-122.409407	0.0
MONITOR_OX_MTNwells_GRID_EW104_2021_Q3_Initial.csv	9/14/2021	EW104	NA	37.501710	-122.414783	0.0
MONITOR_OX_MTNwells_GRID_EW107_2021_Q3_Initial.csv	9/14/2021	EW107	NA	37.501698	-122.414748	0.0
MONITOR_OX_MTNwells_GRID_EW113_2021_Q3_Initial.csv	9/14/2021	EW113	NA	37.497492	-122.414578	0.0
MONITOR_OX_MTNwells_GRID_EW122_2021_Q3_Initial.csv	9/14/2021	EW122	NA	37.495652	-122.410348	0.0
MONITOR_OX_MTNwells_GRID_EW126_2021_Q3_Initial.csv	9/14/2021	EW126	NA	37.500088	-122.415282	1345.3
MONITOR_OX_MTNwells_GRID_EW133B_2021_Q3_Initial.csv	9/15/2021	EW133B	NA	37.497530	-122.414573	0.0
MONITOR_OX_MTNwells_GRID_EW134A_2021_Q3_Initial.csv	9/14/2021	EW134A	NA	37.497520	-122.414572	0.0
MONITOR_OX_MTNwells_GRID_EW134B_2021_Q3_Initial.csv	9/14/2021	EW134B	NA	37.497503	-122.414603	0.0
MONITOR_OX_MTNwells_GRID_EW137B_2021_Q3_Initial.csv	9/14/2021	EW137B	NA	37.496363	-122.413182	0.0
MONITOR_OX_MTNwells_GRID_EW138_2021_Q3_Initial.csv	9/14/2021	EW138	NA	37.496367	-122.413178	0.0
MONITOR_OX_MTNwells_GRID_EW140B_2021_Q3_Initial.csv	9/15/2021	EW140B	NA	37.496373	-122.413230	0.0
MONITOR_OX_MTNwells_GRID_EW145_2021_Q3_Initial.csv	9/14/2021	EW145	NA	37.497913	-122.414608	0.0
MONITOR_OX_MTNwells_GRID_EW156R_2021_Q3_Initial.csv	9/8/2021	EW156R	NA	37.506357	-122.406368	0.0
MONITOR_OX_MTNwells_GRID_EW156V_2021_Q3_Initial.csv	9/8/2021	EW156V	NA	37.506452	-122.405930	0.0
MONITOR_OX_MTNwells_GRID_EW158_2021_Q3_Initial.csv	9/14/2021	EW158	NA	37.501170	-122.414912	0.0
MONITOR_OX_MTNwells_GRID_EW159_2021_Q3_Initial.csv	9/14/2021	EW159	NA	37.500882	-122.415020	0.0
MONITOR_OX_MTNwells_GRID_EW1601_2021_Q3_Initial.csv	9/14/2021	EW1601	NA	37.502075	-122.411723	39.1
MONITOR_OX_MTNwells_GRID_EW1602_2021_Q3_Initial.csv	9/14/2021	EW1602	NA	37.501627	-122.412545	0.0
MONITOR_OX_MTNwells_GRID_EW1603_2021_Q3_Initial.csv	9/14/2021	EW1603	NA	37.500927	-122.412278	5702.5
MONITOR_OX_MTNwells_GRID_EW1604_2021_Q3_Initial.csv	9/14/2021	EW1604	NA	37.500303	-122.412762	0.0
MONITOR_OX_MTNwells_GRID_EW1611_2021_Q3_Initial.csv	9/15/2021	EW1611	NA	37.499297	-122.411320	2959.4
MONITOR_OX_MTNwells_GRID_EW1612_2021_Q3_Initial.csv	9/14/2021	EW1612	NA	37.502163	-122.412610	0.0
MONITOR_OX_MTNwells_GRID_EW1613_2021_Q3_Initial.csv	9/14/2021	EW1613	NA	37.499837	-122.412788	3.7

Table 2

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FILE NAME	DATE	GRID NO. / WELL ID.	ID NO.	LATITUDE WGS84	LONGITUDE WGS84	METHANE CONCENTRATION (ppmv)
MONITOR_OX_MTNwells_GRID_EW1614_2021_Q3_Initial.csv	9/14/2021	EW1614	NA	37.499263	-122.413037	0.0
MONITOR_OX_MTNwells_GRID_EW1616_2021_Q3_Initial.csv	9/14/2021	EW1616	NA	37.498495	-122.412233	28.3
MONITOR_OX_MTNwells_GRID_EW1617_2021_Q3_Initial.csv	9/14/2021	EW1617	NA	37.498020	-122.412392	0.0
MONITOR_OX_MTNwells_GRID_EW1618_2021_Q3_Initial.csv	9/14/2021	EW1618	NA	37.500038	-122.413093	16.2
MONITOR_OX_MTNwells_GRID_EW1619_2021_Q3_Initial.csv	9/14/2021	EW1619	NA	37.496742	-122.412767	0.0
MONITOR_OX_MTNwells_GRID_EW162_2021_Q3_Initial.csv	9/14/2021	EW162	NA	37.496305	-122.411925	58.0
MONITOR_OX_MTNwells_GRID_EW1620_2021_Q3_Initial.csv	9/14/2021	EW1620	NA	37.496683	-122.412113	0.0
MONITOR_OX_MTNwells_GRID_EW1621_2021_Q3_Initial.csv	9/14/2021	EW1621	NA	37.497248	-122.412765	0.0
MONITOR_OX_MTNwells_GRID_EW1622_2021_Q3_Initial.csv	9/14/2021	EW1622	NA	37.496787	-122.413557	0.0
MONITOR_OX_MTNwells_GRID_EW1625R_2021_Q3_Initial.csv	9/15/2021	EW1625R	NA	37.502950	-122.410278	28.9
MONITOR_OX_MTNwells_GRID_EW1626R_2021_Q3_Initial.csv	9/15/2021	EW1626R	NA	37.502958	-122.410283	13.2
MONITOR_OX_MTNwells_GRID_EW164_2021_Q3_Initial.csv	9/14/2021	EW164	NA	37.496177	-122.411247	0.0
MONITOR_OX_MTNwells_GRID_EW170_2021_Q3_Initial.csv	9/8/2021	EW170	NA	37.508702	-122.405122	0.0
MONITOR_OX_MTNwells_GRID_EW1701_2021_Q3_Initial.csv	9/14/2021	EW1701	NA	37.497533	-122.408460	0.0
MONITOR_OX_MTNwells_GRID_EW1702_2021_Q3_Initial.csv	9/14/2021	EW1702	NA	37.497833	-122.408712	7.5
MONITOR_OX_MTNwells_GRID_EW1703_2021_Q3_Initial.csv	9/14/2021	EW1703	NA	37.498142	-122.409445	13.1
MONITOR_OX_MTNwells_GRID_EW1705_2021_Q3_Initial.csv	9/14/2021	EW1705	NA	37.498872	-122.411395	1318.9
MONITOR_OX_MTNwells_GRID_EW1711AR_2021_Q3_Initial.csv	9/15/2021	EW1711AR	NA	37.502960	-122.410267	8.5
MONITOR_OX_MTNwells_GRID_EW1711AV_2021_Q3_Initial.csv	9/15/2021	EW1711AV	NA	37.500970	-122.409873	1246.1
MONITOR_OX_MTNwells_GRID_EW1712AR_2021_Q3_Initial.csv	9/15/2021	EW1712AR	NA	37.502955	-122.410273	164.1
MONITOR_OX_MTNwells_GRID_EW1713R_2021_Q3_Initial.csv	9/15/2021	EW1713R	NA	37.502932	-122.410277	43.2
MONITOR_OX_MTNwells_GRID_EW1715_2021_Q3_Initial.csv	9/15/2021	EW1715	NA	37.503248	-122.410118	18.6
MONITOR_OX_MTNwells_GRID_EW1716_2021_Q3_Initial.csv	9/8/2021	EW1716	NA	37.507650	-122.406430	0.0
MONITOR_OX_MTNwells_GRID_EW1717_2021_Q3_Initial.csv	9/8/2021	EW1717	NA	37.506823	-122.406347	0.0
MONITOR_OX_MTNwells_GRID_EW173_2021_Q3_Initial.csv	9/8/2021	EW173	NA	37.507300	-122.405952	0.0
MONITOR_OX_MTNwells_GRID_EW174R_2021_Q3_Initial.csv	9/8/2021	EW174R	NA	37.506415	-122.406368	0.0
MONITOR_OX_MTNwells_GRID_EW174V_2021_Q3_Initial.csv	9/8/2021	EW174V	NA	37.506688	-122.405922	0.0
MONITOR_OX_MTNwells_GRID_EW175R_2021_Q3_Initial.csv	9/8/2021	EW175R	NA	37.506303	-122.406330	0.0
MONITOR_OX_MTNwells_GRID_EW175V_2021_Q3_Initial.csv	9/8/2021	EW175V	NA	37.506327	-122.406227	0.0
MONITOR_OX_MTNwells_GRID_EW176_2021_Q3_Initial.csv	9/8/2021	EW176	NA	37.503282	-122.408587	0.0
MONITOR_OX_MTNwells_GRID_EW1801_2021_Q3_Initial.csv	9/14/2021	EW1801	NA	37.498827	-122.413060	44.4
MONITOR_OX_MTNwells_GRID_EW1804_2021_Q3_Initial.csv	9/14/2021	EW1804	NA	37.500637	-122.413027	0.0
MONITOR_OX_MTNwells_GRID_EW1805_2021_Q3_Initial.csv	9/14/2021	EW1805	NA	37.501072	-122.412945	0.0
MONITOR_OX_MTNwells_GRID_EW1806_2021_Q3_Initial.csv	9/14/2021	EW1806	NA	37.497408	-122.410805	0.0
MONITOR_OX_MTNwells_GRID_EW1807_2021_Q3_Initial.csv	9/14/2021	EW1807	NA	37.498327	-122.410672	8.8
MONITOR_OX_MTNwells_GRID_EW1808_2021_Q3_Initial.csv	9/14/2021	EW1808	NA	37.498728	-122.409282	922.8
MONITOR_OX_MTNwells_GRID_EW1809_2021_Q3_Initial.csv	9/14/2021	EW1809	NA	37.502725	-122.411318	297.9
MONITOR_OX_MTNwells_GRID_EW181_2021_Q3_Initial.csv	9/14/2021	EW181	NA	37.501800	-122.413898	141.3
MONITOR_OX_MTNwells_GRID_EW1810_2021_Q3_Initial.csv	9/8/2021	EW1810	NA	37.508370	-122.405197	0.0
MONITOR_OX_MTNwells_GRID_EW1811_2021_Q3_Initial.csv	9/15/2021	EW1811	NA	37.500407	-122.414562	0.0
MONITOR_OX_MTNwells_GRID_EW1812_2021_Q3_Initial.csv	9/14/2021	EW1812	NA	37.501413	-122.413842	75.5
MONITOR_OX_MTNwells_GRID_EW1813_2021_Q3_Initial.csv	9/14/2021	EW1813	NA	37.498563	-122.411688	30.3
MONITOR_OX_MTNwells_GRID_EW1815_2021_Q3_Initial.csv	9/14/2021	EW1815	NA	37.496840	-122.408428	405.2
MONITOR_OX_MTNwells_GRID_EW1816_2021_Q3_Initial.csv	9/15/2021	EW1816	NA	37.498085	-122.408478	0.0
MONITOR_OX_MTNwells_GRID_EW1817_2021_Q3_Initial.csv	9/15/2021	EW1817	NA	37.498837	-122.408927	2743.5
MONITOR_OX_MTNwells_GRID_EW182_2021_Q3_Initial.csv	9/14/2021	EW182	NA	37.499257	-122.413798	0.0
MONITOR_OX_MTNwells_GRID_EW1821_2021_Q3_Initial.csv	9/8/2021	EW1821	NA	37.509720	-122.405645	0.0
MONITOR_OX_MTNwells_GRID_EW1822_2021_Q3_Initial.csv	9/8/2021	EW1822	NA	37.509482	-122.405858	0.0
MONITOR_OX_MTNwells_GRID_EW1823_2021_Q3_Initial.csv	9/8/2021	EW1823	NA	37.509170	-122.405962	0.0
MONITOR_OX_MTNwells_GRID_EW1824_2021_Q3_Initial.csv	9/8/2021	EW1824	NA	37.508585	-122.405327	0.0
MONITOR_OX_MTNwells_GRID_EW1825_2021_Q3_Initial.csv	9/8/2021	EW1825	NA	37.508170	-122.405323	0.0
MONITOR_OX_MTNwells_GRID_EW1826_2021_Q3_Initial.csv	9/14/2021	EW1826	NA	37.501260	-122.414290	0.0
MONITOR_OX_MTNwells_GRID_EW183_2021_Q3_Initial.csv	9/14/2021	EW183	NA	37.498700	-122.414130	4.0
MONITOR_OX_MTNwells_GRID_EW184_2021_Q3_Initial.csv	9/14/2021	EW184	NA	37.497610	-122.414063	0.0
MONITOR_OX_MTNwells_GRID_EW185_2021_Q3_Initial.csv	9/14/2021	EW185	NA	37.497292	-122.413932	0.0
MONITOR_OX_MTNwells_GRID_EW186_2021_Q3_Initial.csv	9/14/2021	EW186	NA	37.497948	-122.412898	941.3
MONITOR_OX_MTNwells_GRID_EW187_2021_Q3_Initial.csv	9/14/2021	EW187	NA	37.497472	-122.412933	42.2
MONITOR_OX_MTNwells_GRID_EW188_2021_Q3_Initial.csv	9/14/2021	EW188	NA	37.497182	-122.412422	0.0

Table 2

INITIAL INSTANTANEOUS MONITORING RESULTS

3Q2021 Ox Mountain Landfill

FILE NAME	DATE	GRID NO. / WELL ID.	ID NO.	LATITUDE WGS84	LONGITUDE WGS84	METHANE CONCENTRATION (ppmv)
MONITOR_OX_MTNwells_GRID_EW189_2021_Q3_Initial.csv	9/14/2021	EW189	NA	37.497140	-122.411685	147.9
MONITOR_OX_MTNwells_GRID_EW190_2021_Q3_Initial.csv	9/14/2021	EW190	NA	37.497962	-122.411553	317.0
MONITOR_OX_MTNwells_GRID_EW1901_2021_Q3_Initial.csv	9/14/2021	EW1901	NA	37.496602	-122.410443	21.4
MONITOR_OX_MTNwells_GRID_EW1902_2021_Q3_Initial.csv	9/14/2021	EW1902	NA	37.497393	-122.408892	731.7
MONITOR_OX_MTNwells_GRID_EW1904R_2021_Q3_Initial.csv	9/14/2021	EW1904R	NA	37.498390	-122.409695	0.0
MONITOR_OX_MTNwells_GRID_EW1904V_2021_Q3_Initial.csv	9/14/2021	EW1904V	NA	37.498207	-122.410142	2249.9
MONITOR_OX_MTNwells_GRID_EW1906V_2021_Q3_Initial.csv	9/15/2021	EW1906V	NA	37.498768	-122.410313	103.5
MONITOR_OX_MTNwells_GRID_EW1908_2021_Q3_Initial.csv	9/15/2021	EW1908	NA	37.499973	-122.411780	2820.0
MONITOR_OX_MTNwells_GRID_EW1909_2021_Q3_Initial.csv	9/15/2021	EW1909	NA	37.500835	-122.411175	671.3
MONITOR_OX_MTNwells_GRID_EW191_2021_Q3_Initial.csv	9/8/2021	EW191	NA	37.507207	-122.406627	0.0
MONITOR_OX_MTNwells_GRID_EW1910_2021_Q3_Initial.csv	9/15/2021	EW1910	NA	37.501110	-122.411677	0.0
MONITOR_OX_MTNwells_GRID_EW1911_2021_Q3_Initial.csv	9/14/2021	EW1911	NA	37.501748	-122.412808	0.0
MONITOR_OX_MTNwells_GRID_EW1912_2021_Q3_Initial.csv	9/14/2021	EW1912	NA	37.502013	-122.412290	2.3
MONITOR_OX_MTNwells_GRID_EW1913_2021_Q3_Initial.csv	9/14/2021	EW1913	NA	37.502668	-122.413623	1250.2
MONITOR_OX_MTNwells_GRID_EW1914_2021_Q3_Initial.csv	9/14/2021	EW1914	NA	37.502825	-122.412425	348.4
MONITOR_OX_MTNwells_GRID_EW1915R_2021_Q3_Initial.csv	9/8/2021	EW1915R	NA	37.506103	-122.406365	0.0
MONITOR_OX_MTNwells_GRID_EW1915V_2021_Q3_Initial.csv	9/8/2021	EW1915V	NA	37.506055	-122.406135	0.0
MONITOR_OX_MTNwells_GRID_EW1916_2021_Q3_Initial.csv	9/8/2021	EW1916	NA	37.507147	-122.407678	91.6
MONITOR_OX_MTNwells_GRID_EW1917_2021_Q3_Initial.csv	9/8/2021	EW1917	NA	37.506465	-122.408022	16.5
MONITOR_OX_MTNwells_GRID_EW1918_2021_Q3_Initial.csv	9/8/2021	EW1918	NA	37.508417	-122.404998	0.0
MONITOR_OX_MTNwells_GRID_EW1919_2021_Q3_Initial.csv	9/8/2021	EW1919	NA	37.509468	-122.406122	1.8
MONITOR_OX_MTNwells_GRID_EW192_2021_Q3_Initial.csv	9/8/2021	EW192	NA	37.505093	-122.406943	0.0
MONITOR_OX_MTNwells_GRID_EW1920_2021_Q3_Initial.csv	9/8/2021	EW1920	NA	37.509923	-122.405683	0.0
MONITOR_OX_MTNwells_GRID_EW1921_2021_Q3_Initial.csv	9/8/2021	EW1921	NA	37.508488	-122.405763	0.0
MONITOR_OX_MTNwells_GRID_EW194_2021_Q3_Initial.csv	9/14/2021	EW194	NA	37.500818	-122.414495	0.0
MONITOR_OX_MTNwells_GRID_EW196_2021_Q3_Initial.csv	9/14/2021	EW196	NA	37.498767	-122.413612	5.5
MONITOR_OX_MTNwells_GRID_EW199_2021_Q3_Initial.csv	9/14/2021	EW199	NA	37.498060	-122.413353	49.4
MONITOR_OX_MTNwells_GRID_EW200_2021_Q3_Initial.csv	9/14/2021	EW200	NA	37.497463	-122.413347	0.0
MONITOR_OX_MTNwells_GRID_EW2001_2021_Q3_Initial.csv	9/8/2021	EW2001	NA	37.505415	-122.407485	3.2
MONITOR_OX_MTNwells_GRID_EW2002_2021_Q3_Initial.csv	9/8/2021	EW2002	NA	37.506058	-122.406720	0.0
MONITOR_OX_MTNwells_GRID_EW2003_2021_Q3_Initial.csv	9/8/2021	EW2003	NA	37.506768	-122.406815	0.0
MONITOR_OX_MTNwells_GRID_EW2004_2021_Q3_Initial.csv	9/8/2021	EW2004	NA	37.507327	-122.406218	0.0
MONITOR_OX_MTNwells_GRID_EW2005_2021_Q3_Initial.csv	9/15/2021	EW2005	NA	37.508158	-122.405825	0.0
MONITOR_OX_MTNwells_GRID_EW2006_2021_Q3_Initial.csv	9/8/2021	EW2006	NA	37.508598	-122.406392	0.0
MONITOR_OX_MTNwells_GRID_EW2007_2021_Q3_Initial.csv	9/8/2021	EW2007	NA	37.508827	-122.405728	0.0
MONITOR_OX_MTNwells_GRID_EW2008_2021_Q3_Initial.csv	9/8/2021	EW2008	NA	37.509233	-122.405370	0.0
MONITOR_OX_MTNwells_GRID_EW2009_2021_Q3_Initial.csv	9/8/2021	EW2009	NA	37.505540	-122.408367	0.0
MONITOR_OX_MTNwells_GRID_EW201_2021_Q3_Initial.csv	9/14/2021	EW201	NA	37.497265	-122.413532	0.0
MONITOR_OX_MTNwells_GRID_EW2010_2021_Q3_Initial.csv	9/8/2021	EW2010	NA	37.506173	-122.408182	0.0
MONITOR_OX_MTNwells_GRID_EW2011_2021_Q3_Initial.csv	9/8/2021	EW2011	NA	37.506827	-122.407412	0.0
MONITOR_OX_MTNwells_GRID_EW2012_2021_Q3_Initial.csv	9/8/2021	EW2012	NA	37.505392	-122.406818	0.0
MONITOR_OX_MTNwells_GRID_EW2016_2021_Q3_Initial.csv	9/14/2021	EW2016	NA	37.500615	-122.412482	36.9
MONITOR_OX_MTNwells_GRID_EW2017_2021_Q3_Initial.csv	9/14/2021	EW2017	NA	37.501182	-122.412458	335.5
MONITOR_OX_MTNwells_GRID_EW2019_2021_Q3_Initial.csv	9/15/2021	EW2019	NA	37.500430	-122.411113	3.8
MONITOR_OX_MTNwells_GRID_EW2020_2021_Q3_Initial.csv	9/14/2021	EW2020	NA	37.496963	-122.408960	52.8
MONITOR_OX_MTNwells_GRID_EW2021_2021_Q3_Initial.csv	9/14/2021	EW2021	NA	37.496765	-122.407912	22.7
MONITOR_OX_MTNwells_GRID_EW2022R_2021_Q3_Initial.csv	9/14/2021	EW2022R	NA	37.498378	-122.409672	7.8
MONITOR_OX_MTNwells_GRID_EW2022V_2021_Q3_Initial.csv	9/14/2021	EW2022V	NA	37.497775	-122.410138	29.0
MONITOR_OX_MTNwells_GRID_EW2023_2021_Q3_Initial.csv	9/14/2021	EW2023	NA	37.498520	-122.409668	310.5
MONITOR_OX_MTNwells_GRID_EW2024_2021_Q3_Initial.csv	9/15/2021	EW2024	NA	37.499402	-122.409707	0.0
MONITOR_OX_MTNwells_GRID_EW2025_2021_Q3_Initial.csv	9/15/2021	EW2025	NA	37.499980	-122.410925	0.0
MONITOR_OX_MTNwells_GRID_EW2026_2021_Q3_Initial.csv	9/15/2021	EW2026	NA	37.499945	-122.409785	0.0
MONITOR_OX_MTNwells_GRID_EW2027_2021_Q3_Initial.csv	9/15/2021	EW2027	NA	37.500693	-122.410587	0.0
MONITOR_OX_MTNwells_GRID_EW2028R_2021_Q3_Initial.csv	9/15/2021	EW2028R	NA	37.500070	-122.409290	81.4
MONITOR_OX_MTNwells_GRID_EW2028V_2021_Q3_Initial.csv	9/15/2021	EW2028V	NA	37.500585	-122.410123	0.0
MONITOR_OX_MTNwells_GRID_EW2029_2021_Q3_Initial.csv	9/14/2021	EW2029	NA	37.497897	-122.410982	0.0
MONITOR_OX_MTNwells_GRID_EW203_2021_Q3_Initial.csv	9/14/2021	EW203	NA	37.496715	-122.414562	0.0
MONITOR_OX_MTNwells_GRID_EW2030_2021_Q3_Initial.csv	9/14/2021	EW2030	NA	37.498873	-122.412167	411.1

Table 2

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FILE NAME	DATE	GRID NO. / WELL ID.	ID NO.	LATITUDE WGS84	LONGITUDE WGS84	METHANE CONCENTRATION (ppmv)
MONITOR_OX_MTNwells_GRID_EW2031_2021_Q3_Initial.csv	9/14/2021	EW2031	NA	37.499507	-122.412547	1315.3
MONITOR_OX_MTNwells_GRID_EW204_2021_Q3_Initial.csv	9/14/2021	EW204	NA	37.496678	-122.413937	0.0
MONITOR_OX_MTNwells_GRID_EW205_2021_Q3_Initial.csv	9/14/2021	EW205	NA	37.497503	-122.412118	0.0
MONITOR_OX_MTNwells_GRID_EW209_2021_Q3_Initial.csv	9/14/2021	EW209	NA	37.497400	-122.409538	12.3
MONITOR_OX_MTNwells_GRID_EW210_2021_Q3_Initial.csv	9/14/2021	EW210	NA	37.496343	-122.408697	223.7
MONITOR_OX_MTNwells_GRID_EW2101_2021_Q3_Initial.csv	9/14/2021	EW2101	NA	37.497290	-122.411302	0.0
MONITOR_OX_MTNwells_GRID_EW2102R_2021_Q3_Initial.csv	9/15/2021	EW2102R	NA	37.499275	-122.411315	62.7
MONITOR_OX_MTNwells_GRID_EW2102V_2021_Q3_Initial.csv	9/14/2021	EW2102V	NA	37.498860	-122.411000	1334.8
MONITOR_OX_MTNwells_GRID_EW2103_2021_Q3_Initial.csv	9/15/2021	EW2103	NA	37.499387	-122.410305	16.9
MONITOR_OX_MTNwells_GRID_EW2104_2021_Q3_Initial.csv	9/15/2021	EW2104	NA	37.499768	-122.409030	0.0
MONITOR_OX_MTNwells_GRID_EW2105_2021_Q3_Initial.csv	9/15/2021	EW2105	NA	37.500412	-122.411580	0.0
MONITOR_OX_MTNwells_GRID_EW2106_2021_Q3_Initial.csv	9/14/2021	EW2106	NA	37.502408	-122.411665	4853.0
MONITOR_OX_MTNwells_GRID_EW2107_2021_Q3_Initial.csv	9/8/2021	EW2107	NA	37.505012	-122.407455	0.0
MONITOR_OX_MTNwells_GRID_EW2108_2021_Q3_Initial.csv	9/8/2021	EW2108	NA	37.505873	-122.406943	0.0
MONITOR_OX_MTNwells_GRID_EW2109_2021_Q3_Initial.csv	9/8/2021	EW2109	NA	37.506425	-122.407350	0.0
MONITOR_OX_MTNwells_GRID_EW2110_2021_Q3_Initial.csv	9/14/2021	EW2110	NA	37.498913	-122.410555	1289.9
MONITOR_OX_MTNwells_GRID_EW2111_2021_Q3_Initial.csv	9/15/2021	EW2111	NA	37.501335	-122.411023	0.0
MONITOR_OX_MTNwells_GRID_EW2112_2021_Q3_Initial.csv	9/15/2021	EW2112	NA	37.501822	-122.410050	3.4
MONITOR_OX_MTNwells_GRID_EW2113_2021_Q3_Initial.csv	9/15/2021	EW2113	NA	37.501802	-122.410982	35.2
MONITOR_OX_MTNwells_GRID_EW300_2021_Q3_Initial.csv	9/14/2021	EW300	NA	37.497017	-122.407820	924.5
MONITOR_OX_MTNwells_GRID_EW302_2021_Q3_Initial.csv	9/14/2021	EW302	NA	37.496740	-122.408133	190.3
MONITOR_OX_MTNwells_GRID_EW303_2021_Q3_Initial.csv	9/14/2021	EW303	NA	37.496282	-122.407845	19.3
MONITOR_OX_MTNwells_GRID_EW306_2021_Q3_Initial.csv	9/14/2021	EW306	NA	37.496492	-122.409000	267.5
MONITOR_OX_MTNwells_GRID_EW307_2021_Q3_Initial.csv	9/14/2021	EW307	NA	37.498605	-122.414742	0.0
MONITOR_OX_MTNwells_GRID_EW309_2021_Q3_Initial.csv	9/14/2021	EW309	NA	37.497075	-122.409533	188.0
MONITOR_OX_MTNwells_GRID_EW310_2021_Q3_Initial.csv	9/14/2021	EW310	NA	37.498602	-122.413243	34.2
MONITOR_OX_MTNwells_GRID_EW311_2021_Q3_Initial.csv	9/14/2021	EW311	NA	37.496617	-122.411340	0.0
MONITOR_OX_MTNwells_GRID_EW312_2021_Q3_Initial.csv	9/14/2021	EW312	NA	37.497960	-122.411747	0.0
MONITOR_OX_MTNwells_GRID_EW315_2021_Q3_Initial.csv	9/14/2021	EW315	NA	37.497287	-122.408360	22.6
MONITOR_OX_MTNwells_GRID_EW316_2021_Q3_Initial.csv	9/14/2021	EW316	NA	37.501293	-122.413458	21.1
MONITOR_OX_MTNwells_GRID_EW317_2021_Q3_Initial.csv	9/14/2021	EW317	NA	37.500625	-122.413600	0.0
MONITOR_OX_MTNwells_GRID_EW318_2021_Q3_Initial.csv	9/14/2021	EW318	NA	37.499983	-122.413705	458.9
MONITOR_OX_MTNwells_GRID_EW319_2021_Q3_Initial.csv	9/14/2021	EW319	NA	37.499368	-122.413308	0.0
MONITOR_OX_MTNwells_GRID_EW320_2021_Q3_Initial.csv	9/14/2021	EW320	NA	37.498277	-122.411243	24.9
MONITOR_OX_MTNwells_GRID_EW322_2021_Q3_Initial.csv	9/14/2021	EW322	NA	37.502138	-122.413288	11.0
MONITOR_OX_MTNwells_GRID_EW323_2021_Q3_Initial.csv	9/14/2021	EW323	NA	37.502415	-122.412060	992.8
MONITOR_OX_MTNwells_GRID_EW325_2021_Q3_Initial.csv	9/15/2021	EW325	NA	37.501820	-122.411337	3.4
MONITOR_OX_MTNwells_GRID_EW326AR_2021_Q3_Initial.csv	9/15/2021	EW326AR	NA	37.502953	-122.410277	10.8
MONITOR_OX_MTNwells_GRID_EW328_2021_Q3_Initial.csv	9/14/2021	EW328	NA	37.501508	-122.412150	1341.0
MONITOR_OX_MTNwells_GRID_EW59_2021_Q3_Initial.csv	9/8/2021	EW59	NA	37.507722	-122.405765	0.0
MONITOR_OX_MTNwells_GRID_EW72_2021_Q3_Initial.csv	9/14/2021	EW72	NA	37.500147	-122.415188	2817.1
MONITOR_OX_MTNwells_GRID_EW99_2021_Q3_Initial.csv	9/8/2021	EW99	NA	37.504657	-122.406333	0.0
MONITOR_OX_MTNwells_GRID_EWHC1_2021_Q3_Initial.csv	9/14/2021	EWHC1	NA	37.499192	-122.415177	460.4
MONITOR_OX_MTNwells_GRID_EWHC6A_2021_Q3_Initial.csv	9/8/2021	EWHC6A	NA	37.506342	-122.406380	0.0
MONITOR_OX_MTNwells_GRID_EWW05_2021_Q3_Initial.csv	9/8/2021	EWW05	NA	37.505328	-122.408118	13.3
MONITOR_OX_MTNwells_GRID_EWW06_2021_Q3_Initial.csv	9/8/2021	EWW06	NA	37.504663	-122.408412	406.8
MONITOR_OX_MTNwells_GRID_EWW08_2021_Q3_Initial.csv	9/8/2021	EWW08	NA	37.504728	-122.407117	0.0
MONITOR_OX_MTNwells_GRID_EWW15_2021_Q3_Initial.csv	9/8/2021	EWW15	NA	37.503270	-122.409132	0.0
MONITOR_OX_MTNwells_GRID_EWW17_2021_Q3_Initial.csv	9/15/2021	EWW17	NA	37.503445	-122.410080	2.0
MONITOR_OX_MTNwells_GRID_EWW18R_2021_Q3_Initial.csv	9/14/2021	EWW18R	NA	37.503332	-122.410777	879.8
MONITOR_OX_MTNwells_GRID_EWW18V_2021_Q3_Initial.csv	9/14/2021	EWW18V	NA	37.503163	-122.410820	211.7
MONITOR_OX_MTNwells_GRID_EWW1G_2021_Q3_Initial.csv	9/8/2021	EWW1G	NA	37.506175	-122.408393	0.0
MONITOR_OX_MTNwells_GRID_EWW1I_2021_Q3_Initial.csv	9/8/2021	EWW1I	NA	37.505622	-122.408687	0.0
MONITOR_OX_MTNwells_GRID_EWW1J_2021_Q3_Initial.csv	9/8/2021	EWW1J	NA	37.505318	-122.408852	0.0
MONITOR_OX_MTNwells_GRID_EWW1K_2021_Q3_Initial.csv	9/8/2021	EWW1K	NA	37.504950	-122.409157	21.0
MONITOR_OX_MTNwells_GRID_EWW1S_2021_Q3_Initial.csv	9/15/2021	EWW1S	NA	37.504317	-122.410310	3.1
MONITOR_OX_MTNwells_GRID_EWW26R_2021_Q3_Initial.csv	9/17/2021	EWW26R	NA	37.503295	-122.410778	279.1
MONITOR_OX_MTNwells_GRID_HC1922_2021_Q3_Initial.csv	9/15/2021	HC1922	NA	37.501797	-122.411312	5.3

Table 2

INITIAL INSTANTANEOUS MONITORING RESULTS

3Q2021 Ox Mountain Landfill

FILE NAME	DATE	GRID NO. / WELL ID.	ID NO.	LATITUDE WGS84	LONGITUDE WGS84	METHANE CONCENTRATION (ppmv)
MONITOR_OX_MTNwells_GRID_HC2000_2021_Q3_Initial.csv	9/15/2021	HC2000	NA	37.498817	-122.407997	313.4
MONITOR_OX_MTNwells_GRID_HC2001_2021_Q3_Initial.csv	9/15/2021	HC2001	NA	37.498918	-122.408038	0.0
MONITOR_OX_MTNwells_GRID_HC2013_2021_Q3_Initial.csv	9/15/2021	HC2013	NA	37.503268	-122.410132	27.5
MONITOR_OX_MTNwells_GRID_HC2014_2021_Q3_Initial.csv	9/15/2021	HC2014	NA	37.501690	-122.410187	28.4
MONITOR_OX_MTNwells_GRID_HC2015_2021_Q3_Initial.csv	9/16/2021	HC2015	NA	37.502225	-122.407427	1346.7
MONITOR_OX_MTNwells_GRID_HCF03_2021_Q3_Initial.csv	9/15/2021	HCF03	NA	37.495478	-122.410805	0.0
MONITOR_OX_MTNwells_GRID_HCF04_2021_Q3_Initial.csv	9/15/2021	HCF04	NA	37.495467	-122.410787	0.0
MONITOR_OX_MTNwells_GRID_HCF06_2021_Q3_Initial.csv	9/15/2021	HCF06	NA	37.495455	-122.410812	0.0
MONITOR_OX_MTNwells_GRID_LCRS07_2021_Q3_Initial.csv	9/15/2021	LCRS07	NA	37.497842	-122.407468	15.4
MONITOR_OX_MTNwells_GRID_LCRS3A_2021_Q3_Initial.csv	9/14/2021	LCRS3A	NA	37.496352	-122.413208	0.0
MONITOR_OX_MTNwells_GRID_LCRS3B_2021_Q3_Initial.csv	9/14/2021	LCRS3B	NA	37.496362	-122.413225	0.0
MONITOR_OX_MTNwells_GRID_LCRS4A_2021_Q3_Initial.csv	9/16/2021	LCRS4A	NA	37.502827	-122.407127	4.6
MONITOR_OX_MTNwells_GRID_LCRS4B_2021_Q3_Initial.csv	9/16/2021	LCRS4B	NA	37.502785	-122.407090	0.0
MONITOR_OX_MTNwells_GRID_LCRS7B_2021_Q3_Initial.csv	9/15/2021	LCRS7B	NA	37.497868	-122.407488	80.2
MONITOR_OX_MTNwells_GRID_PEW30_2021_Q3_Initial.csv	9/15/2021	PEW30	NA	37.507190	-122.407347	0.0
MONITOR_OX_MTNwells_GRID_PEW30A_2021_Q3_Initial.csv	9/8/2021	PEW30A	NA	37.507198	-122.407320	0.0
MONITOR_OX_MTNwells_GRID_PEW31_2021_Q3_Initial.csv	9/8/2021	PEW31	NA	37.506642	-122.407785	0.0
MONITOR_OX_MTNwells_GRID_PEW32_2021_Q3_Initial.csv	9/8/2021	PEW32	NA	37.506093	-122.406367	0.0
MONITOR_OX_MTNwells_GRID_PEW33_2021_Q3_Initial.csv	9/8/2021	PEW33	NA	37.505465	-122.406492	0.0
MONITOR_OX_MTNwells_GRID_PEW35_2021_Q3_Initial.csv	9/8/2021	PEW35	NA	37.506027	-122.407363	0.0
MONITOR_OX_MTNwells_GRID_PEW36_2021_Q3_Initial.csv	9/15/2021	PEW36	NA	37.505898	-122.407845	0.0
MONITOR_OX_MTNwells_GRID_PEW44_2021_Q3_Initial.csv	9/15/2021	PEW44	NA	37.504075	-122.410138	4.5
MONITOR_OX_MTNwells_GRID_PEW46_2021_Q3_Initial.csv	9/15/2021	PEW46	NA	37.503240	-122.410105	2.1
MONITOR_OX_MTNwells_GRID_SUMP1_2021_Q3_Initial.csv	9/8/2021	SUMP1	NA	37.506145	-122.405988	0.0
MONITOR_OX_MTNwells_GRID_SUMP2_2021_Q3_Initial.csv	9/15/2021	SUMP2	NA	37.499107	-122.415212	279.6
MONITOR_OX_MTNwells_GRID_TLTS01_2021_Q3_Initial.csv	9/14/2021	TLTS01	NA	37.498677	-122.415017	124.7
MONITOR_OX_MTNwells_GRID_TLTS02_2021_Q3_Initial.csv	9/14/2021	TLTS02	NA	37.497953	-122.414860	0.0
MONITOR_OX_MTNwells_GRID_TLTS03_2021_Q3_Initial.csv	9/14/2021	TLTS03	NA	37.497558	-122.414763	0.0
MONITOR_OX_MTNwells_GRID_TLTS04_2021_Q3_Initial.csv	9/14/2021	TLTS04	NA	37.496410	-122.413998	0.0
MONITOR_OX_MTNwells_GRID_TLTS05_2021_Q3_Initial.csv	9/14/2021	TLTS05	NA	37.496402	-122.413600	0.0
MONITOR_OX_MTNwells_GRID_TLTS06_2021_Q3_Initial.csv	9/14/2021	TLTS06	NA	37.496387	-122.413295	0.0
MONITOR_OX_MTNwells_GRID_TLTS07_2021_Q3_Initial.csv	9/14/2021	TLTS07	NA	37.496395	-122.413123	0.0
MONITOR_OX_MTNwells_GRID_TLTS08_2021_Q3_Initial.csv	9/14/2021	TLTS08	NA	37.496353	-122.412812	0.0
MONITOR_OX_MTNwells_GRID_TLTS09_2021_Q3_Initial.csv	9/14/2021	TLTS09	NA	37.496325	-122.412678	0.0
MONITOR_OX_MTNwells_GRID_TLTS10_2021_Q3_Initial.csv	9/14/2021	TLTS10	NA	37.496253	-122.412155	0.0
MONITOR_OX_MTNwells_GRID_TLTS11_2021_Q3_Initial.csv	9/14/2021	TLTS11	NA	37.496222	-122.411787	0.0
MONITOR_OX_MTNwells_GRID_TLTS12_2021_Q3_Initial.csv	9/14/2021	TLTS12	NA	37.496172	-122.411428	1.1
MONITOR_OX_MTNwells_GRID_TLTS15_2021_Q3_Initial.csv	9/14/2021	TLTS15	NA	37.495905	-122.410237	0.0
MONITOR_OX_MTNwells_GRID_TLTS16_2021_Q3_Initial.csv	9/14/2021	TLTS16	NA	37.495762	-122.409777	0.0
MONITOR_OX_MTNwells_GRID_TLTS17_2021_Q3_Initial.csv	9/14/2021	TLTS17	NA	37.495605	-122.409422	0.0
MONITOR_OX_MTNwells_GRID_TLTS18_2021_Q3_Initial.csv	9/14/2021	TLTS18	NA	37.495492	-122.409027	0.0
MONITOR_OX_MTNwells_GRID_TLTS19_2021_Q3_Initial.csv	9/14/2021	TLTS19	NA	37.495587	-122.408490	0.0
MONITOR_OX_MTNwells_GRID_TLTS20_2021_Q3_Initial.csv	9/14/2021	TLTS20	NA	37.495833	-122.408007	0.0
MONITOR_ox_mtn_GRID_Perimeter1_2021_Q3_Initial.csv	9/17/2021	Perimeter_1	11	37.507297	-122.407655	1079.7
MONITOR_ox_mtn_GRID_Perimeter1_2021_Q3_Initial.csv	9/17/2021	Perimeter_1	37	37.508070	-122.406918	1535.1
MONITOR_ox_mtn_GRID_Perimeter1_2021_Q3_Initial.csv	9/17/2021	Perimeter_1	44	37.508252	-122.406797	1189.7
MONITOR_ox_mtn_GRID_Perimeter1_2021_Q3_Initial.csv	9/17/2021	Perimeter_1	440	37.499383	-122.408228	1353.3
MONITOR_ox_mtn_GRID_Perimeter1_2021_Q3_Initial.csv	9/17/2021	Perimeter_1	443	37.499268	-122.408202	2190.0
MONITOR_ox_mtn_GRID_perimeter2_2021_Q3_Initial.csv	9/17/2021	Perimeter_2	344	37.499623	-122.415250	547.1
MONITOR_ox_mtn_GRID_perimeter2_2021_Q3_Initial.csv	9/17/2021	Perimeter_2	483	37.496325	-122.414392	22147.4
MONITOR_ox_mtn_GRID_perimeter2_2021_Q3_Initial.csv	9/17/2021	Perimeter_2	517	37.496248	-122.413370	35934.5
MONITOR_ox_mtn_GRID_perimeter2_2021_Q3_Initial.csv	9/17/2021	Perimeter_2	518	37.496267	-122.413350	3564.5
MONITOR_ox_mtn_GRID_perimeter2_2021_Q3_Initial.csv	9/17/2021	Perimeter_2	519	37.496273	-122.413327	13449.8
MONITOR_ox_mtn_GRID_perimeter2_2021_Q3_Initial.csv	9/17/2021	Perimeter_2	615	37.500100	-122.415222	796.5

Table 3

SUMMARY OF INITIAL INSTANTANEOUS RESULTS

BETWEEN 200-499 PPMV

3Q2021 Ox Mountain Landfill

FILE NAME	DATE	GRID NO. / WELL ID.	ID NO.	LATITUDE WGS84	LONGITUDE WGS84	METHANE CONCENTRATION (ppmv)
MONITOR_ox_mtn_GRID_8_2021_Q3_Initial.csv	9/7/2021	8	18	37.509355	-122.406193	468.1
MONITOR_ox_mtn_GRID_83_2021_Q3_Initial.csv	9/13/2021	83	30	37.498485	-122.410097	251.8
MONITOR_ox_mtn_GRID_96_2021_Q3_Initial.csv	9/13/2021	96	4	37.498682	-122.410617	204.1
MONITOR_ox_mtn_GRID_96_2021_Q3_Initial.csv	9/13/2021	96	6	37.498668	-122.410678	294.1
MONITOR_ox_mtn_GRID_96_2021_Q3_Initial.csv	9/13/2021	96	7	37.498667	-122.410710	406.3
MONITOR_ox_mtn_GRID_104_2021_Q3_Initial.csv	9/7/2021	104	41	37.503658	-122.411443	233.7
MONITOR_ox_mtn_GRID_131_2021_Q3_Initial.csv	9/10/2021	131	72	37.499277	-122.412705	242.9
MONITOR_ox_mtn_GRID_131_2021_Q3_Initial.csv	9/10/2021	131	73	37.499320	-122.412712	303.2
MONITOR_ox_mtn_GRID_149_2021_Q3_Initial.csv	9/13/2021	149	97	37.502352	-122.414293	201.9
MONITOR_ox_mtn_GRID_154_2021_Q3_Initial.csv	9/13/2021	154	54	37.501980	-122.414363	341.8
MONITOR_OX_MTNwells_GRID_CP03_2021_Q3_Initial.csv	9/14/2021	CP03	NA	37.496167	-122.411647	233.4
MONITOR_OX_MTNwells_GRID_CP29_2021_Q3_Initial.csv	9/15/2021	CP29	NA	37.499348	-122.411552	290.3
MONITOR_OX_MTNwells_GRID_CP52_2021_Q3_Initial.csv	9/15/2021	CP52	NA	37.502195	-122.410935	327.5
MONITOR_OX_MTNwells_GRID_CP57_2021_Q3_Initial.csv	9/16/2021	CP57	NA	37.499720	-122.408017	452.0
MONITOR_OX_MTNwells_GRID_CP65_2021_Q3_Initial.csv	9/8/2021	CP65	NA	37.503220	-122.409828	241.8
MONITOR_OX_MTNwells_GRID_CP89_2021_Q3_Initial.csv	9/16/2021	CP89	NA	37.498428	-122.407835	459.9
MONITOR_OX_MTNwells_GRID_CP91_2021_Q3_Initial.csv	9/15/2021	CP91	NA	37.503577	-122.411700	203.5
MONITOR_OX_MTNwells_GRID_E302D_2021_Q3_Initial.csv	9/14/2021	E302D	NA	37.496708	-122.408165	217.0
MONITOR_OX_MTNwells_GRID_EW1809_2021_Q3_Initial.csv	9/14/2021	EW1809	NA	37.502725	-122.411318	297.9
MONITOR_OX_MTNwells_GRID_EW1815_2021_Q3_Initial.csv	9/14/2021	EW1815	NA	37.496840	-122.408428	405.2
MONITOR_OX_MTNwells_GRID_EW190_2021_Q3_Initial.csv	9/14/2021	EW190	NA	37.497962	-122.411553	317.0
MONITOR_OX_MTNwells_GRID_EW1914_2021_Q3_Initial.csv	9/14/2021	EW1914	NA	37.502825	-122.412425	348.4
MONITOR_OX_MTNwells_GRID_EW2017_2021_Q3_Initial.csv	9/14/2021	EW2017	NA	37.501182	-122.412458	335.5
MONITOR_OX_MTNwells_GRID_EW2023_2021_Q3_Initial.csv	9/14/2021	EW2023	NA	37.498520	-122.409668	310.5
MONITOR_OX_MTNwells_GRID_EW2030_2021_Q3_Initial.csv	9/14/2021	EW2030	NA	37.498873	-122.412167	411.1
MONITOR_OX_MTNwells_GRID_EW210_2021_Q3_Initial.csv	9/14/2021	EW210	NA	37.496343	-122.408697	223.7
MONITOR_OX_MTNwells_GRID_EW306_2021_Q3_Initial.csv	9/14/2021	EW306	NA	37.496492	-122.409000	267.5
MONITOR_OX_MTNwells_GRID_EW318_2021_Q3_Initial.csv	9/14/2021	EW318	NA	37.499983	-122.413705	458.9
MONITOR_OX_MTNwells_GRID_EWHC1_2021_Q3_Initial.csv	9/14/2021	EWHC1	NA	37.499192	-122.415177	460.4
MONITOR_OX_MTNwells_GRID_EWW06_2021_Q3_Initial.csv	9/8/2021	EWW06	NA	37.504663	-122.408412	406.8
MONITOR_OX_MTNwells_GRID_EWW18V_2021_Q3_Initial.csv	9/14/2021	EWW18V	NA	37.503163	-122.410820	211.7
MONITOR_OX_MTNwells_GRID_EWW26R_2021_Q3_Initial.csv	9/17/2021	EWW26R	NA	37.503295	-122.410778	279.1
MONITOR_OX_MTNwells_GRID_HC2000_2021_Q3_Initial.csv	9/15/2021	HC2000	NA	37.498817	-122.407997	313.4
MONITOR_OX_MTNwells_GRID_SUMP2_2021_Q3_Initial.csv	9/15/2021	SUMP2	NA	37.499107	-122.415212	279.6
MONITOR_ox_mtn_GRID_Perimeter1_2021_Q3_Initial.csv	9/17/2021	Perimeter_1	5	37.507160	-122.407823	242.1
MONITOR_ox_mtn_GRID_Perimeter1_2021_Q3_Initial.csv	9/17/2021	Perimeter_1	6	37.507185	-122.407800	279.2
MONITOR_ox_mtn_GRID_Perimeter1_2021_Q3_Initial.csv	9/17/2021	Perimeter_1	7	37.507220	-122.407763	238.1
MONITOR_ox_mtn_GRID_Perimeter1_2021_Q3_Initial.csv	9/17/2021	Perimeter_1	10	37.507300	-122.407668	301.7
MONITOR_ox_mtn_GRID_Perimeter1_2021_Q3_Initial.csv	9/17/2021	Perimeter_1	439	37.499368	-122.408215	234.2
MONITOR_ox_mtn_GRID_Perimeter1_2021_Q3_Initial.csv	9/17/2021	Perimeter_1	444	37.499195	-122.408153	327.6
MONITOR_ox_mtn_GRID_perimeter2_2021_Q3_Initial.csv	9/17/2021	Perimeter_2	317	37.500097	-122.415232	316.2
MONITOR_ox_mtn_GRID_perimeter2_2021_Q3_Initial.csv	9/17/2021	Perimeter_2	323	37.499955	-122.415235	288.1
MONITOR_ox_mtn_GRID_perimeter2_2021_Q3_Initial.csv	9/17/2021	Perimeter_2	337	37.499603	-122.415240	408.1
MONITOR_ox_mtn_GRID_perimeter2_2021_Q3_Initial.csv	9/17/2021	Perimeter_2	338	37.499592	-122.415247	319.9
MONITOR_ox_mtn_GRID_perimeter2_2021_Q3_Initial.csv	9/17/2021	Perimeter_2	342	37.499622	-122.415245	296.8
MONITOR_ox_mtn_GRID_perimeter2_2021_Q3_Initial.csv	9/17/2021	Perimeter_2	343	37.499625	-122.415247	441.1

Table 5

RETESTING RESULTS FOR INITIAL INSTANTANEOUS

CONCENTRATIONS ≥ 500 PPMV

3Q2021 Ox Mountain Landfill

FILE NAME	DATE	GRID NO. / WELL ID.	ID NO.	LATITUDE WGS84	LONGITUDE WGS84	METHANE CONCENTRATION (ppmv)
MONITOR_ox_mtn_GRID_Perimeter1_2021_Q3_Initial.csv	9/17/2021	Perimeter_1	11	37.507297	-122.407655	1079.7
MONITOR_ox_mtn_GRID_Perimeter1_2021_Q3_10Day_1.csv	9/27/2021	Perimeter_1	11	37.507303	-122.407652	30.7
MONITOR_ox_mtn_GRID_Perimeter1_2021_Q3_Month.csv	10/14/2021	Perimeter_1	11	37.507273	-122.407673	129.3
MONITOR_ox_mtn_GRID_Perimeter1_2021_Q3_Initial.csv	9/17/2021	Perimeter_1	37	37.508070	-122.406918	1535.1
MONITOR_ox_mtn_GRID_Perimeter1_2021_Q3_10Day_1.csv	9/27/2021	Perimeter_1	37	37.508078	-122.406922	18.6
MONITOR_ox_mtn_GRID_Perimeter1_2021_Q3_Month.csv	10/14/2021	Perimeter_1	37	37.508067	-122.406905	24.7
MONITOR_ox_mtn_GRID_Perimeter1_2021_Q3_Initial.csv	9/17/2021	Perimeter_1	44	37.508252	-122.406797	1189.7
MONITOR_ox_mtn_GRID_Perimeter1_2021_Q3_10Day_1.csv	9/27/2021	Perimeter_1	44	37.508227	-122.406808	65.6
MONITOR_ox_mtn_GRID_Perimeter1_2021_Q3_Month.csv	10/14/2021	Perimeter_1	44	37.508250	-122.406798	3.3
MONITOR_ox_mtn_GRID_Perimeter1_2021_Q3_Initial.csv	9/17/2021	Perimeter_1	440	37.499383	-122.408228	1353.3
MONITOR_ox_mtn_GRID_Perimeter1_2021_Q3_10Day_1.csv	9/27/2021	Perimeter_1	440	37.499370	-122.408237	1074.3
MONITOR_ox_mtn_GRID_Perimeter1_2021_Q3_10Day_2.csv	10/4/2021	Perimeter_1	440	37.499380	-122.408223	1179.7
MONITOR_ox_mtn_GRID_Perimeter1_2021_Q3_Initial.csv	9/17/2021	Perimeter_1	443	37.499268	-122.408202	2190.0
MONITOR_ox_mtn_GRID_Perimeter1_2021_Q3_10Day_1.csv	9/27/2021	Perimeter_1	443	37.499253	-122.408205	1027.6
MONITOR_ox_mtn_GRID_Perimeter1_2021_Q3_10Day_2.csv	10/4/2021	Perimeter_1	443	37.499272	-122.408203	1083.1
MONITOR_ox_mtn_GRID_perimeter2_2021_Q3_Initial.csv	9/17/2021	Perimeter_2	344	37.499623	-122.415250	547.1
MONITOR_ox_mtn_GRID_Perimeter2_2021_Q3_10Day_1.csv	9/27/2021	Perimeter_2	344	37.499600	-122.415238	440.2
MONITOR_ox_mtn_GRID_Perimeter2_2021_Q3_Month.csv	10/14/2021	Perimeter_2	344	37.499600	-122.415235	480.3
MONITOR_ox_mtn_GRID_perimeter2_2021_Q3_Initial.csv	9/17/2021	Perimeter_2	483	37.496325	-122.414392	22147.4
MONITOR_ox_mtn_GRID_Perimeter2_2021_Q3_10Day_1.csv	9/27/2021	Perimeter_2	483	37.496297	-122.414395	115.0
MONITOR_ox_mtn_GRID_Perimeter2_2021_Q3_Month.csv	10/14/2021	Perimeter_2	483	37.496297	-122.414410	0.0
MONITOR_ox_mtn_GRID_perimeter2_2021_Q3_Initial.csv	9/17/2021	Perimeter_2	517	37.496248	-122.413370	35934.5
MONITOR_ox_mtn_GRID_Perimeter2_2021_Q3_10Day_1.csv	9/27/2021	Perimeter_2	517	37.496240	-122.413360	49.4
MONITOR_ox_mtn_GRID_Perimeter2_2021_Q3_Month.csv	10/14/2021	Perimeter_2	517	37.496273	-122.413372	0.0
MONITOR_ox_mtn_GRID_perimeter2_2021_Q3_Initial.csv	9/17/2021	Perimeter_2	518	37.496267	-122.413350	3564.5
MONITOR_ox_mtn_GRID_Perimeter2_2021_Q3_10Day_1.csv	9/27/2021	Perimeter_2	518	37.496253	-122.413345	0.0
MONITOR_ox_mtn_GRID_Perimeter2_2021_Q3_Month.csv	10/14/2021	Perimeter_2	518	37.496255	-122.413357	0.0
MONITOR_ox_mtn_GRID_perimeter2_2021_Q3_Initial.csv	9/17/2021	Perimeter_2	519	37.496273	-122.413327	13449.8
MONITOR_ox_mtn_GRID_Perimeter2_2021_Q3_10Day_1.csv	9/27/2021	Perimeter_2	519	37.496248	-122.413323	21.2
MONITOR_ox_mtn_GRID_Perimeter2_2021_Q3_Month.csv	10/14/2021	Perimeter_2	519	37.496245	-122.413325	0.0
MONITOR_ox_mtn_GRID_perimeter2_2021_Q3_Initial.csv	9/17/2021	Perimeter_2	615	37.500100	-122.415222	796.5
MONITOR_ox_mtn_GRID_Perimeter2_2021_Q3_10Day_1.csv	9/27/2021	Perimeter_2	615	37.500107	-122.415232	329.2
MONITOR_ox_mtn_GRID_Perimeter2_2021_Q3_Month.csv	10/14/2021	Perimeter_2	615	37.500113	-122.415233	391.5
MONITOR_OX_MTNwells_GRID_CP17_2021_Q3_Initial.csv	9/14/2021	CP17	NA	37.497347	-122.413387	906.0
MONITOR_OX_MTNwells_GRID_CP17_2021_Q3_10Day_1.csv	9/17/2021	CP17	NA	37.497327	-122.413407	0.0
MONITOR_OX_MTNwells_GRID_CP17_2021_Q3_Month.csv	10/14/2021	CP17	NA	37.497355	-122.413395	0.0
MONITOR_OX_MTNwells_GRID_CP21_2021_Q3_Initial.csv	9/15/2021	CP21	NA	37.500070	-122.415240	1374.3
MONITOR_OX_MTNwells_GRID_CP21_2021_Q3_10Day_1.csv	9/24/2021	CP21	NA	37.500070	-122.415213	229.7
MONITOR_OX_MTNwells_GRID_CP21_2021_Q3_Month.csv	10/14/2021	CP21	NA	37.500090	-122.415228	61.2
MONITOR_OX_MTNwells_GRID_CP32_2021_Q3_Initial.csv	9/14/2021	CP32	NA	37.496225	-122.412518	1461.5
MONITOR_OX_MTNwells_GRID_CP32_2021_Q3_10Day_1.csv	9/24/2021	CP32	NA	37.496210	-122.412507	238.3
MONITOR_OX_MTNwells_GRID_CP32_2021_Q3_Month.csv	10/14/2021	CP32	NA	37.496215	-122.412543	0.0
MONITOR_OX_MTNwells_GRID_CP34_2021_Q3_Initial.csv	9/14/2021	CP34	NA	37.499063	-122.411177	855.9
MONITOR_OX_MTNwells_GRID_CP34_2021_Q3_10Day_1.csv	9/23/2021	CP34	NA	37.499067	-122.411157	296.4
MONITOR_OX_MTNwells_GRID_CP34_2021_Q3_Month.csv	10/14/2021	CP34	NA	37.499052	-122.411147	6090.3
MONITOR_OX_MTNwells_GRID_CP34_2021_Q3_MonthPlus10Day.csv	10/29/2021	CP34	NA	37.499057	-122.411153	343.6
MONITOR_OX_MTNwells_GRID_CP34_2021_Q4_Initial.csv	11/17/2021	CP34	NA	37.499067	-122.411172	381.7
MONITOR_OX_MTNwells_GRID_CP35_2021_Q3_Initial.csv	9/14/2021	CP35	NA	37.499005	-122.412120	3566.4
MONITOR_OX_MTNwells_GRID_CP35_2021_Q3_10Day_1.csv	9/24/2021	CP35	NA	37.499007	-122.412128	12.5
MONITOR_OX_MTNwells_GRID_CP35_2021_Q3_Month.csv	10/14/2021	CP35	NA	37.498995	-122.412115	2162.2
MONITOR_OX_MTNwells_GRID_CP35_2021_Q3_MonthPlus10Day.csv	10/29/2021	CP35	NA	37.499027	-122.412130	32.0
MONITOR_OX_MTNwells_GRID_CP35_2021_Q4_Initial.csv	11/17/2021	CP35	NA	37.499012	-122.412130	336.5
MONITOR_OX_MTNwells_GRID_CP59_2021_Q3_Initial.csv	9/16/2021	CP59	NA	37.499725	-122.408035	1470.7
MONITOR_OX_MTNwells_GRID_CP59_2021_Q3_10Day_1.csv	9/17/2021	CP59	NA	37.499713	-122.408045	39.7
MONITOR_OX_MTNwells_GRID_CP59_2021_Q3_Month.csv	10/14/2021	CP59	NA	37.499700	-122.408053	130.6

Table 5

RETESTING RESULTS FOR INITIAL INSTANTANEOUS
CONCENTRATIONS ≥ 500 PPMV
3Q2021 Ox Mountain Landfill

FILE NAME	DATE	GRID NO. / WELL ID.	ID NO.	LATITUDE WGS84	LONGITUDE WGS84	METHANE CONCENTRATION (ppmv)
MONITOR_OX_MTNwells_GRID_CP82_2021_Q3_Initial.csv	9/15/2021	CP82	NA	37.499322	-122.408248	1757.9
MONITOR_OX_MTNwells_GRID_CP82_2021_Q3_10Day_1.csv	9/24/2021	CP82	NA	37.499305	-122.408270	5841.9
MONITOR_OX_MTNwells_GRID_CP82_2021_Q3_10Day_2.csv	10/4/2021	CP82	NA	37.499307	-122.408198	6458.9
MONITOR_OX_MTNwells_GRID_CP83_2021_Q3_Initial.csv	9/15/2021	CP83	NA	37.499300	-122.408253	1398.9
MONITOR_OX_MTNwells_GRID_CP83_2021_Q3_10Day_1.csv	9/24/2021	CP83	NA	37.499295	-122.408233	2306.0
MONITOR_OX_MTNwells_GRID_CP83_2021_Q3_10Day_2.csv	10/4/2021	CP83	NA	37.499305	-122.408217	1594.9
MONITOR_OX_MTNwells_GRID_E306D_2021_Q3_Initial.csv	9/14/2021	E306D	NA	37.496488	-122.408997	1127.0
MONITOR_OX_MTNwells_GRID_E306D_2021_Q3_10Day_1.csv	9/17/2021	E306D	NA	37.496483	-122.409005	365.9
MONITOR_OX_MTNwells_GRID_E306D_2021_Q3_Month.csv	10/14/2021	E306D	NA	37.496462	-122.409002	331.2
MONITOR_OX_MTNwells_GRID_EW126_2021_Q3_Initial.csv	9/14/2021	EW126	NA	37.500088	-122.415282	1345.3
MONITOR_OX_MTNwells_GRID_EW126_2021_Q3_10Day_1.csv	9/24/2021	EW126	NA	37.500068	-122.415235	248.3
MONITOR_OX_MTNwells_GRID_EW126_2021_Q3_Month.csv	10/14/2021	EW126	NA	37.500088	-122.415235	146.7
MONITOR_OX_MTNwells_GRID_EW1603_2021_Q3_Initial.csv	9/14/2021	EW1603	NA	37.500927	-122.412278	5702.5
MONITOR_OX_MTNwells_GRID_EW1603_2021_Q3_10Day_1.csv	9/24/2021	EW1603	NA	37.500913	-122.412258	226.7
MONITOR_OX_MTNwells_GRID_EW1603_2021_Q3_Month.csv	10/14/2021	EW1603	NA	37.500932	-122.412273	424.1
MONITOR_OX_MTNwells_GRID_EW1611_2021_Q3_Initial.csv	9/15/2021	EW1611	NA	37.499297	-122.411320	2959.4
MONITOR_OX_MTNwells_GRID_EW1611_2021_Q3_10Day_1.csv	9/23/2021	EW1611	NA	37.499290	-122.411290	65.8
MONITOR_OX_MTNwells_GRID_EW1611_2021_Q3_Month.csv	10/14/2021	EW1611	NA	37.499275	-122.411303	2555.7
MONITOR_OX_MTNwells_GRID_EW1611_2021_Q3_MonthPlus10Day.csv	10/29/2021	EW1611	NA	37.499272	-122.411330	406.7
MONITOR_OX_MTNwells_GRID_EW1611_2021_Q4_Initial.csv	11/16/2021	EW1611	NA	37.499295	-122.411297	38.1
MONITOR_OX_MTNwells_GRID_EW1705_2021_Q3_Initial.csv	9/14/2021	EW1705	NA	37.498872	-122.411395	1318.9
MONITOR_OX_MTNwells_GRID_EW1705_2021_Q3_10Day_1.csv	9/23/2021	EW1705	NA	37.498877	-122.411418	253.3
MONITOR_OX_MTNwells_GRID_EW1705_2021_Q3_Month.csv	10/14/2021	EW1705	NA	37.498852	-122.411432	1272.8
MONITOR_OX_MTNwells_GRID_EW1705_2021_Q3_MonthPlus10Day.csv	10/29/2021	EW1705	NA	37.498848	-122.411427	344.5
MONITOR_OX_MTNwells_GRID_EW1705_2021_Q4_Initial.csv	11/17/2021	EW1705	NA	37.498865	-122.411430	57.0
MONITOR_OX_MTNwells_GRID_EW1711AV_2021_Q3_Initial.csv	9/15/2021	EW1711AV	NA	37.500970	-122.409873	1246.1
MONITOR_OX_MTNwells_GRID_EW1711AV_2021_Q3_10Day_1.csv	9/23/2021	EW1711AV	NA	37.500983	-122.409885	30.8
MONITOR_OX_MTNwells_GRID_EW1711AV_2021_Q3_Month.csv	10/14/2021	EW1711AV	NA	37.500938	-122.409882	1169.2
MONITOR_OX_MTNwells_GRID_EW1711AV_2021_Q3_MonthPlus10Day.csv	10/29/2021	EW1711AV	NA	37.500938	-122.409888	129.7
MONITOR_OX_MTNwells_GRID_EW1711AV_2021_Q4_Initial.csv	11/17/2021	EW1711AV	NA	37.500943	-122.409898	35.7
MONITOR_OX_MTNwells_GRID_EW1808_2021_Q3_Initial.csv	9/14/2021	EW1808	NA	37.498728	-122.409282	922.8
MONITOR_OX_MTNwells_GRID_EW1808_2021_Q3_10Day_1.csv	9/23/2021	EW1808	NA	37.498725	-122.409272	406.6
MONITOR_OX_MTNwells_GRID_EW1808_2021_Q3_Month.csv	10/14/2021	EW1808	NA	37.498698	-122.409288	294.9
MONITOR_OX_MTNwells_GRID_EW1817_2021_Q3_Initial.csv	9/15/2021	EW1817	NA	37.498837	-122.408927	2743.5
MONITOR_OX_MTNwells_GRID_EW1817_2021_Q3_10Day_1.csv	9/17/2021	EW1817	NA	37.498837	-122.408913	466.1
MONITOR_OX_MTNwells_GRID_EW1817_2021_Q3_Month.csv	10/14/2021	EW1817	NA	37.498822	-122.408913	1065.2
MONITOR_OX_MTNwells_GRID_EW1817_2021_Q3_MonthPlus10Day.csv	10/29/2021	EW1817	NA	37.498830	-122.408897	233.6
MONITOR_OX_MTNwells_GRID_EW1817_2021_Q4_Initial.csv	11/16/2021	EW1817	NA	37.498822	-122.408915	42.0
MONITOR_OX_MTNwells_GRID_EW186_2021_Q3_Initial.csv	9/14/2021	EW186	NA	37.497948	-122.412898	941.3
MONITOR_OX_MTNwells_GRID_EW186_2021_Q3_10Day_1.csv	9/17/2021	EW186	NA	37.497943	-122.412897	0.0
MONITOR_OX_MTNwells_GRID_EW186_2021_Q3_Month.csv	10/14/2021	EW186	NA	37.497957	-122.412913	461.1
MONITOR_OX_MTNwells_GRID_EW1902_2021_Q3_Initial.csv	9/14/2021	EW1902	NA	37.497393	-122.408892	731.7
MONITOR_OX_MTNwells_GRID_EW1902_2021_Q3_10Day_1.csv	9/17/2021	EW1902	NA	37.497387	-122.408893	14.3
MONITOR_OX_MTNwells_GRID_EW1902_2021_Q3_Month.csv	10/14/2021	EW1902	NA	37.497373	-122.408893	3.3
MONITOR_OX_MTNwells_GRID_EW1904V_2021_Q3_Initial.csv	9/14/2021	EW1904V	NA	37.498207	-122.410142	2249.9
MONITOR_OX_MTNwells_GRID_EW1904V_2021_Q3_10Day_1.csv	9/24/2021	EW1904V	NA	37.498222	-122.410113	0.0
MONITOR_OX_MTNwells_GRID_EW1904V_2021_Q3_Month.csv	10/14/2021	EW1904V	NA	37.498198	-122.410112	207.9
MONITOR_OX_MTNwells_GRID_EW1908_2021_Q3_Initial.csv	9/15/2021	EW1908	NA	37.499973	-122.411780	2820.0
MONITOR_OX_MTNwells_GRID_EW1908_2021_Q3_10Day_1.csv	9/23/2021	EW1908	NA	37.499987	-122.411795	287.5
MONITOR_OX_MTNwells_GRID_EW1908_2021_Q3_Month.csv	10/14/2021	EW1908	NA	37.499947	-122.411785	1071.2
MONITOR_OX_MTNwells_GRID_EW1908_2021_Q3_MonthPlus10Day.csv	10/29/2021	EW1908	NA	37.499952	-122.411805	308.6
MONITOR_OX_MTNwells_GRID_EW1908_2021_Q4_Initial.csv	11/17/2021	EW1908	NA	37.499955	-122.411788	10.3
MONITOR_OX_MTNwells_GRID_EW1909_2021_Q3_Initial.csv	9/15/2021	EW1909	NA	37.500835	-122.411175	671.3
MONITOR_OX_MTNwells_GRID_EW1909_2021_Q3_10Day_1.csv	9/17/2021	EW1909	NA	37.500845	-122.411150	421.5
MONITOR_OX_MTNwells_GRID_EW1909_2021_Q3_Month.csv	10/14/2021	EW1909	NA	37.500828	-122.411158	170.8

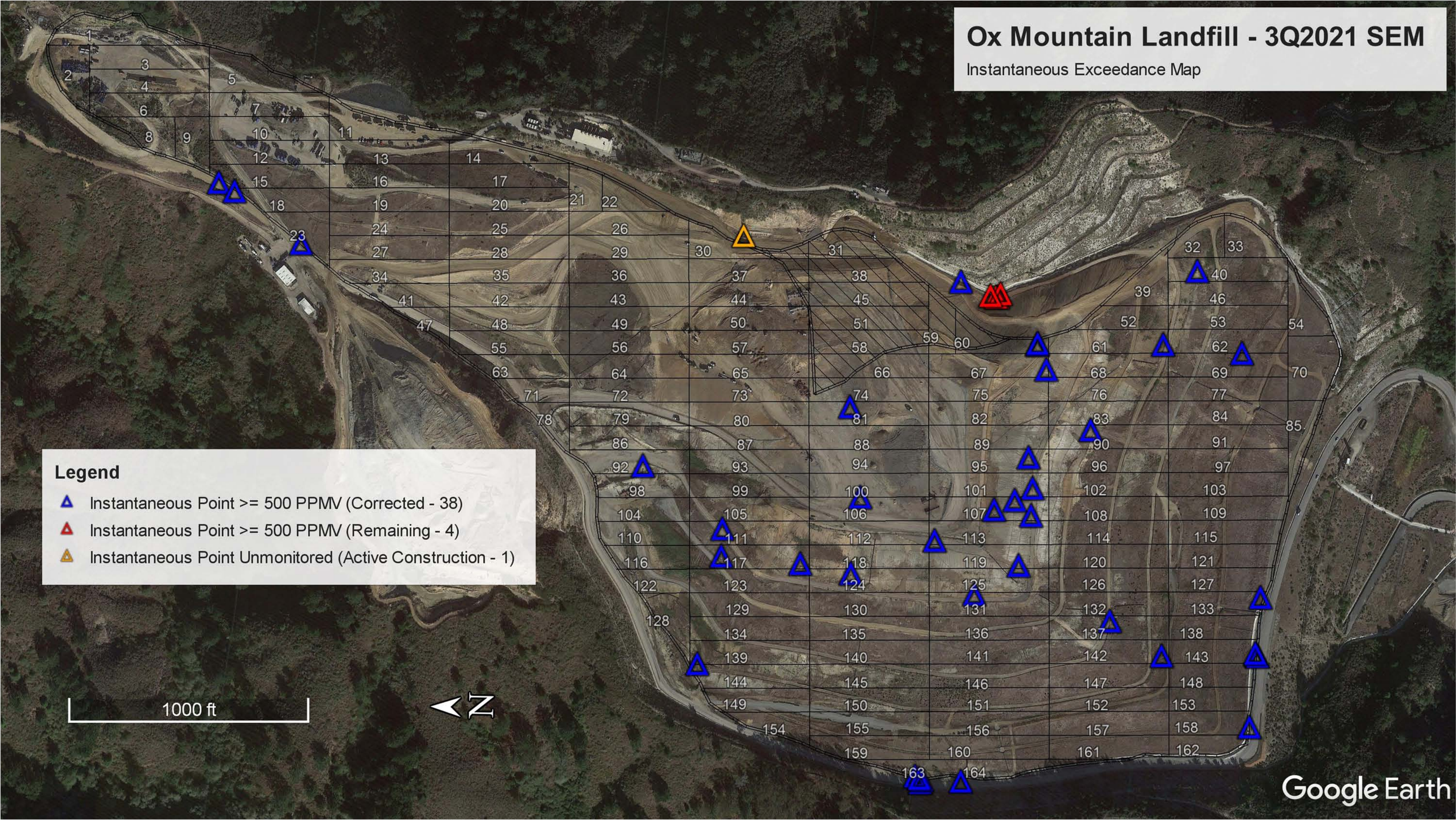
Table 5

RETESTING RESULTS FOR INITIAL INSTANTANEOUS
CONCENTRATIONS ≥ 500 PPMV
3Q2021 Ox Mountain Landfill

FILE NAME	DATE	GRID NO. / WELL ID.	ID NO.	LATITUDE WGS84	LONGITUDE WGS84	METHANE CONCENTRATION (ppmv)
MONITOR_OX_MTNwells_GRID_EW1913_2021_Q3_Initial.csv	9/14/2021	EW1913	NA	37.502668	-122.413623	1250.2
MONITOR_OX_MTNwells_GRID_EW1913_2021_Q3_10Day_1.csv	9/17/2021	EW1913	NA	37.502655	-122.413635	4.9
MONITOR_OX_MTNwells_GRID_EW1913_2021_Q3_Month.csv	10/14/2021	EW1913	NA	37.502652	-122.413617	409.9
MONITOR_OX_MTNwells_GRID_EW2031_2021_Q3_Initial.csv	9/14/2021	EW2031	NA	37.499507	-122.412547	1315.3
MONITOR_OX_MTNwells_GRID_EW2031_2021_Q3_10Day_1.csv	9/17/2021	EW2031	NA	37.499520	-122.412493	28.3
MONITOR_OX_MTNwells_GRID_EW2031_2021_Q3_Month.csv	10/14/2021	EW2031	NA	37.499512	-122.412548	72.4
MONITOR_OX_MTNwells_GRID_EW2102V_2021_Q3_Initial.csv	9/14/2021	EW2102V	NA	37.498860	-122.411000	1334.8
MONITOR_OX_MTNwells_GRID_EW2102V_2021_Q3_10Day_1.csv	9/23/2021	EW2102V	NA	37.498857	-122.411003	207.2
MONITOR_OX_MTNwells_GRID_EW2102V_2021_Q3_Month.csv	10/14/2021	EW2102V	NA	37.498847	-122.411000	2982.8
MONITOR_OX_MTNwells_GRID_EW2102V_2021_Q3_MonthPlus10Day.csv	10/29/2021	EW2102V	NA	37.498843	-122.411002	38.2
MONITOR_OX_MTNwells_GRID_EW2102V_2021_Q4_Initial.csv	11/16/2021	EW2102V	NA	37.498848	-122.410990	246.6
MONITOR_OX_MTNwells_GRID_EW2106_2021_Q3_Initial.csv	9/14/2021	EW2106	NA	37.502408	-122.411665	4853.0
MONITOR_OX_MTNwells_GRID_EW2106_2021_Q3_10Day_1.csv	9/23/2021	EW2106	NA	37.502387	-122.411627	325.5
MONITOR_OX_MTNwells_GRID_EW2106_2021_Q3_Month.csv	10/14/2021	EW2106	NA	37.502383	-122.411642	344.5
MONITOR_OX_MTNwells_GRID_EW2110_2021_Q3_Initial.csv	9/14/2021	EW2110	NA	37.498913	-122.410555	1289.9
MONITOR_OX_MTNwells_GRID_EW2110_2021_Q3_10Day_1.csv	9/23/2021	EW2110	NA	37.498900	-122.410548	431.0
MONITOR_OX_MTNwells_GRID_EW2110_2021_Q3_Month.csv	10/14/2021	EW2110	NA	37.498908	-122.410580	1378.8
MONITOR_OX_MTNwells_GRID_EW2110_2021_Q3_MonthPlus10Day.csv	10/29/2021	EW2110	NA	37.498897	-122.410557	403.6
MONITOR_OX_MTNwells_GRID_EW2110_2021_Q4_Initial.csv	11/16/2021	EW2110	NA	37.498903	-122.410553	98.4
MONITOR_OX_MTNwells_GRID_EW300_2021_Q3_Initial.csv	9/14/2021	EW300	NA	37.497017	-122.407820	924.5
MONITOR_OX_MTNwells_GRID_EW300_2021_Q3_10Day_1.csv	9/17/2021	EW300	NA	37.497040	-122.407825	30.1
MONITOR_OX_MTNwells_GRID_EW300_2021_Q3_Month.csv	10/14/2021	EW300	NA	37.497057	-122.407827	438.8
MONITOR_OX_MTNwells_GRID_EW323_2021_Q3_Initial.csv	9/14/2021	EW323	NA	37.502415	-122.412060	992.8
MONITOR_OX_MTNwells_GRID_EW323_2021_Q3_10Day_1.csv	9/17/2021	EW323	NA	37.502403	-122.412068	13.5
MONITOR_OX_MTNwells_GRID_EW323_2021_Q3_Month.csv	10/14/2021	EW323	NA	37.502405	-122.412058	242.9
MONITOR_OX_MTNwells_GRID_EW328_2021_Q3_Initial.csv	9/14/2021	EW328	NA	37.501508	-122.412150	1341.0
MONITOR_OX_MTNwells_GRID_EW328_2021_Q3_10Day_1.csv	9/17/2021	EW328	NA	37.501488	-122.412135	141.7
MONITOR_OX_MTNwells_GRID_EW328_2021_Q3_Month.csv	10/14/2021	EW328	NA	37.501488	-122.412155	220.7
MONITOR_OX_MTNwells_GRID_EW72_2021_Q3_Initial.csv	9/14/2021	EW72	NA	37.500147	-122.415188	2817.1
MONITOR_OX_MTNwells_GRID_EW72_2021_Q3_10Day_1.csv	9/24/2021	EW72	NA	37.500105	-122.415200	9.2
MONITOR_OX_MTNwells_GRID_EW72_2021_Q3_Month.csv	10/14/2021	EW72	NA	37.500115	-122.415208	150.4
MONITOR_OX_MTNwells_GRID_EWW18R_2021_Q3_Initial.csv	9/14/2021	EWW18R	NA	37.503332	-122.410777	879.8
MONITOR_OX_MTNwells_GRID_EWW18R_2021_Q3_10Day_1.csv	9/17/2021	EWW18R	NA	37.503360	-122.410747	14.3
MONITOR_OX_MTNwells_GRID_EWW18R_2021_Q3_Month.csv	10/14/2021	EWW18R	NA	37.503317	-122.410795	292.1
MONITOR_OX_MTNwells_GRID_HC2015_2021_Q3_Initial.csv	9/16/2021	HC2015	NA	37.502225	-122.407427	1346.7
MONITOR_OX_MTNwells_GRID_HC2015_2021_Q3_10Day_1.csv	9/24/2021	HC2015	NA	37.502225	-122.407427	Construction
MONITOR_OX_MTNwells_GRID_HC2015_2021_Q3_Month.csv	10/14/2021	HC2015	NA	37.502225	-122.407427	Unmonitored

Ox Mountain Landfill - 3Q2021 SEM

Instantaneous Exceedance Map



APPENDIX C

INTEGRATED MONITORING RESULTS

Table 1

INITIAL INTEGRATED MONITORING RESULTS

3Q2021 Ox Mountain Landfill

FILE NAME	DATE	GRID NO.	INTEGRATED METHANE CONCENTRATION (ppmv)
MONITOR_ox_mtn_GRID_1_2021_Q3_Initial.csv	9/7/2021	1	0.2
MONITOR_ox_mtn_GRID_2_2021_Q3_Initial.csv	9/7/2021	2	0.0
MONITOR_ox_mtn_GRID_3_2021_Q3_Initial.csv	9/7/2021	3	0.3
MONITOR_ox_mtn_GRID_4_2021_Q3_Initial.csv	9/7/2021	4	0.2
MONITOR_ox_mtn_GRID_5_2021_Q3_Initial.csv	9/7/2021	5	0.1
MONITOR_ox_mtn_GRID_6_2021_Q3_Initial.csv	9/7/2021	6	0.0
MONITOR_ox_mtn_GRID_7_2021_Q3_Initial.csv	9/7/2021	7	0.1
MONITOR_ox_mtn_GRID_8_2021_Q3_Initial.csv	9/7/2021	8	11.7
MONITOR_ox_mtn_GRID_9_2021_Q3_Initial.csv	9/7/2021	9	0.0
MONITOR_ox_mtn_GRID_10_2021_Q3_Initial.csv	9/7/2021	10	0.2
MONITOR_ox_mtn_GRID_11_2021_Q3_Initial.csv	9/7/2021	11	0.1
MONITOR_ox_mtn_GRID_12_2021_Q3_Initial.csv	9/7/2021	12	0.0
MONITOR_ox_mtn_GRID_13_2021_Q3_Initial.csv	9/7/2021	13	0.1
MONITOR_ox_mtn_GRID_14_2021_Q3_Initial.csv	9/7/2021	14	1.0
MONITOR_ox_mtn_GRID_15_2021_Q3_Initial.csv	9/7/2021	15	0.4
MONITOR_ox_mtn_GRID_16_2021_Q3_Initial.csv	9/7/2021	16	0.1
MONITOR_ox_mtn_GRID_17_2021_Q3_Initial.csv	9/7/2021	17	0.1
MONITOR_ox_mtn_GRID_18_2021_Q3_Initial.csv	9/7/2021	18	4.4
MONITOR_ox_mtn_GRID_19_2021_Q3_Initial.csv	9/7/2021	19	0.1
MONITOR_ox_mtn_GRID_20_2021_Q3_Initial.csv	9/7/2021	20	0.1
MONITOR_ox_mtn_GRID_23_2021_Q3_Initial.csv	9/7/2021	23	3.7
MONITOR_ox_mtn_GRID_24_2021_Q3_Initial.csv	9/7/2021	24	0.1
MONITOR_ox_mtn_GRID_25_2021_Q3_Initial.csv	9/7/2021	25	0.1
MONITOR_ox_mtn_GRID_27_2021_Q3_Initial.csv	9/7/2021	27	0.2
MONITOR_ox_mtn_GRID_28_2021_Q3_Initial.csv	9/7/2021	28	0.3
MONITOR_ox_mtn_GRID_29_2021_Q3_Initial.csv	9/13/2021	29	0.1
MONITOR_ox_mtn_GRID_32_2021_Q3_Initial.csv	9/7/2021	32	1.3
MONITOR_ox_mtn_GRID_33_2021_Q3_Initial.csv	9/7/2021	33	1.8
MONITOR_ox_mtn_GRID_36_2021_Q3_Initial.csv	9/13/2021	36	0.1
MONITOR_ox_mtn_GRID_39_2021_Q3_Initial.csv	9/13/2021	39	4.6
MONITOR_ox_mtn_GRID_40_2021_Q3_Initial.csv	9/7/2021	40	3.9
MONITOR_ox_mtn_GRID_43_2021_Q3_Initial.csv	9/13/2021	43	0.1
MONITOR_ox_mtn_GRID_46_2021_Q3_Initial.csv	9/7/2021	46	2.4
MONITOR_ox_mtn_GRID_49_2021_Q3_Initial.csv	9/13/2021	49	0.3
MONITOR_ox_mtn_GRID_52_2021_Q3_Initial.csv	9/13/2021	52	5.3
MONITOR_ox_mtn_GRID_53_2021_Q3_Initial.csv	9/7/2021	53	2.2
MONITOR_ox_mtn_GRID_54_2021_Q3_Initial.csv	9/7/2021	54	0.9
MONITOR_ox_mtn_GRID_56_2021_Q3_Initial.csv	9/13/2021	56	0.4
MONITOR_ox_mtn_GRID_61_2021_Q3_Initial.csv	9/13/2021	61	14.8
MONITOR_ox_mtn_GRID_62_2021_Q3_Initial.csv	9/7/2021	62	1.8
MONITOR_ox_mtn_GRID_64_2021_Q3_Initial.csv	9/13/2021	64	3.1
MONITOR_ox_mtn_GRID_68_2021_Q3_Initial.csv	9/13/2021	68	11.3
MONITOR_ox_mtn_GRID_69_2021_Q3_Initial.csv	9/7/2021	69	8.5
MONITOR_ox_mtn_GRID_70_2021_Q3_Initial.csv	9/7/2021	70	0.3
MONITOR_ox_mtn_GRID_72_2021_Q3_Initial.csv	9/13/2021	72	6.3
MONITOR_ox_mtn_GRID_76_2021_Q3_Initial.csv	9/13/2021	76	13.6
MONITOR_ox_mtn_GRID_77_2021_Q3_Initial.csv	9/7/2021	77	5.0
MONITOR_ox_mtn_GRID_83_2021_Q3_Initial.csv	9/13/2021	83	20.0
MONITOR_ox_mtn_GRID_84_2021_Q3_Initial.csv	9/7/2021	84	4.0
MONITOR_ox_mtn_GRID_85_2021_Q3_Initial.csv	9/7/2021	85	2.0
MONITOR_ox_mtn_GRID_90_2021_Q3_Initial.csv	9/13/2021	90	11.1
MONITOR_ox_mtn_GRID_91_2021_Q3_Initial.csv	9/7/2021	91	1.1
MONITOR_ox_mtn_GRID_92_2021_Q3_Initial.csv	9/7/2021	92	13.5
MONITOR_ox_mtn_GRID_93_2021_Q3_Initial.csv	9/10/2021	93	18.4
MONITOR_ox_mtn_GRID_96_2021_Q3_Initial.csv	9/13/2021	96	19.0
MONITOR_ox_mtn_GRID_97_2021_Q3_Initial.csv	9/7/2021	97	1.0
MONITOR_ox_mtn_GRID_98_2021_Q3_Initial.csv	9/7/2021	98	21.9

Table 1

INITIAL INTEGRATED MONITORING RESULTS

3Q2021 Ox Mountain Landfill

FILE NAME	DATE	GRID NO.	INTEGRATED METHANE CONCENTRATION (ppmv)
MONITOR_ox_mtn_GRID_99_2021_Q3_Initial.csv	9/10/2021	99	6.3
MONITOR_ox_mtn_GRID_102_2021_Q3_Initial.csv	9/13/2021	102	10.1
MONITOR_ox_mtn_GRID_103_2021_Q3_Initial.csv	9/7/2021	103	1.4
MONITOR_ox_mtn_GRID_104_2021_Q3_Initial.csv	9/7/2021	104	13.8
MONITOR_ox_mtn_GRID_105_2021_Q3_Initial.csv	9/10/2021	105	8.9
MONITOR_ox_mtn_GRID_108_2021_Q3_Initial.csv	9/13/2021	108	12.1
MONITOR_ox_mtn_GRID_109_2021_Q3_Initial.csv	9/7/2021	109	6.4
MONITOR_ox_mtn_GRID_110_2021_Q3_Initial.csv	9/7/2021	110	0.4
MONITOR_ox_mtn_GRID_111_2021_Q3_Initial.csv	9/10/2021	111	10.4
MONITOR_ox_mtn_GRID_114_2021_Q3_Initial.csv	9/13/2021	114	5.0
MONITOR_ox_mtn_GRID_115_2021_Q3_Initial.csv	9/13/2021	115	1.1
MONITOR_ox_mtn_GRID_116_2021_Q3_Initial.csv	9/7/2021	116	0.4
MONITOR_ox_mtn_GRID_117_2021_Q3_Initial.csv	9/10/2021	117	3.6
MONITOR_ox_mtn_GRID_120_2021_Q3_Initial.csv	9/13/2021	120	1.6
MONITOR_ox_mtn_GRID_121_2021_Q3_Initial.csv	9/13/2021	121	0.3
MONITOR_ox_mtn_GRID_122_2021_Q3_Initial.csv	9/7/2021	122	0.3
MONITOR_ox_mtn_GRID_123_2021_Q3_Initial.csv	9/10/2021	123	1.4
MONITOR_ox_mtn_GRID_124_2021_Q3_Initial.csv	9/10/2021	124	17.0
MONITOR_ox_mtn_GRID_126_2021_Q3_Initial.csv	9/13/2021	126	3.4
MONITOR_ox_mtn_GRID_127_2021_Q3_Initial.csv	9/13/2021	127	0.2
MONITOR_ox_mtn_GRID_128_2021_Q3_Initial.csv	9/7/2021	128	4.0
MONITOR_ox_mtn_GRID_129_2021_Q3_Initial.csv	9/10/2021	129	0.1
MONITOR_ox_mtn_GRID_130_2021_Q3_Initial.csv	9/10/2021	130	8.7
MONITOR_ox_mtn_GRID_131_2021_Q3_Initial.csv	9/10/2021	131	23.3
MONITOR_ox_mtn_GRID_132_2021_Q3_Initial.csv	9/13/2021	132	5.5
MONITOR_ox_mtn_GRID_133_2021_Q3_Initial.csv	9/13/2021	133	0.2
MONITOR_ox_mtn_GRID_134_2021_Q3_Initial.csv	9/10/2021	134	1.1
MONITOR_ox_mtn_GRID_135_2021_Q3_Initial.csv	9/10/2021	135	0.4
MONITOR_ox_mtn_GRID_136_2021_Q3_Initial.csv	9/10/2021	136	2.8
MONITOR_ox_mtn_GRID_137_2021_Q3_Initial.csv	9/10/2021	137	3.7
MONITOR_ox_mtn_GRID_138_2021_Q3_Initial.csv	9/13/2021	138	1.1
MONITOR_ox_mtn_GRID_139_2021_Q3_Initial.csv	9/10/2021	139	3.2
MONITOR_ox_mtn_GRID_140_2021_Q3_Initial.csv	9/10/2021	140	6.7
MONITOR_ox_mtn_GRID_141_2021_Q3_Initial.csv	9/10/2021	141	3.1
MONITOR_ox_mtn_GRID_142_2021_Q3_Initial.csv	9/10/2021	142	0.9
MONITOR_ox_mtn_GRID_143_2021_Q3_Initial.csv	9/13/2021	143	0.1
MONITOR_ox_mtn_GRID_144_2021_Q3_Initial.csv	9/13/2021	144	4.3
MONITOR_ox_mtn_GRID_145_2021_Q3_Initial.csv	9/13/2021	145	1.9
MONITOR_ox_mtn_GRID_146_2021_Q3_Initial.csv	9/10/2021	146	1.0
MONITOR_ox_mtn_GRID_147_2021_Q3_Initial.csv	9/13/2021	147	0.3
MONITOR_ox_mtn_GRID_148_2021_Q3_Initial.csv	9/13/2021	148	0.0
MONITOR_ox_mtn_GRID_149_2021_Q3_Initial.csv	9/13/2021	149	5.0
MONITOR_ox_mtn_GRID_150_2021_Q3_Initial.csv	9/13/2021	150	3.7
MONITOR_ox_mtn_GRID_151_2021_Q3_Initial.csv	9/10/2021	151	0.2
MONITOR_ox_mtn_GRID_152_2021_Q3_Initial.csv	9/13/2021	152	1.5
MONITOR_ox_mtn_GRID_153_2021_Q3_Initial.csv	9/13/2021	153	0.0
MONITOR_ox_mtn_GRID_154_2021_Q3_Initial.csv	9/13/2021	154	14.4
MONITOR_ox_mtn_GRID_155_2021_Q3_Initial.csv	9/13/2021	155	1.8
MONITOR_ox_mtn_GRID_156_2021_Q3_Initial.csv	9/10/2021	156	0.3
MONITOR_ox_mtn_GRID_157_2021_Q3_Initial.csv	9/10/2021	157	0.1
MONITOR_ox_mtn_GRID_158_2021_Q3_Initial.csv	9/13/2021	158	0.0
MONITOR_ox_mtn_GRID_159_2021_Q3_Initial.csv	9/13/2021	159	0.7
MONITOR_ox_mtn_GRID_160_2021_Q3_Initial.csv	9/10/2021	160	0.3
MONITOR_ox_mtn_GRID_161_2021_Q3_Initial.csv	9/10/2021	161	0.1
MONITOR_ox_mtn_GRID_162_2021_Q3_Initial.csv	9/13/2021	162	0.1
MONITOR_ox_mtn_GRID_163_2021_Q3_Initial.csv	9/13/2021	163	22.5
MONITOR_ox_mtn_GRID_164_2021_Q3_Initial.csv	9/10/2021	164	10.3

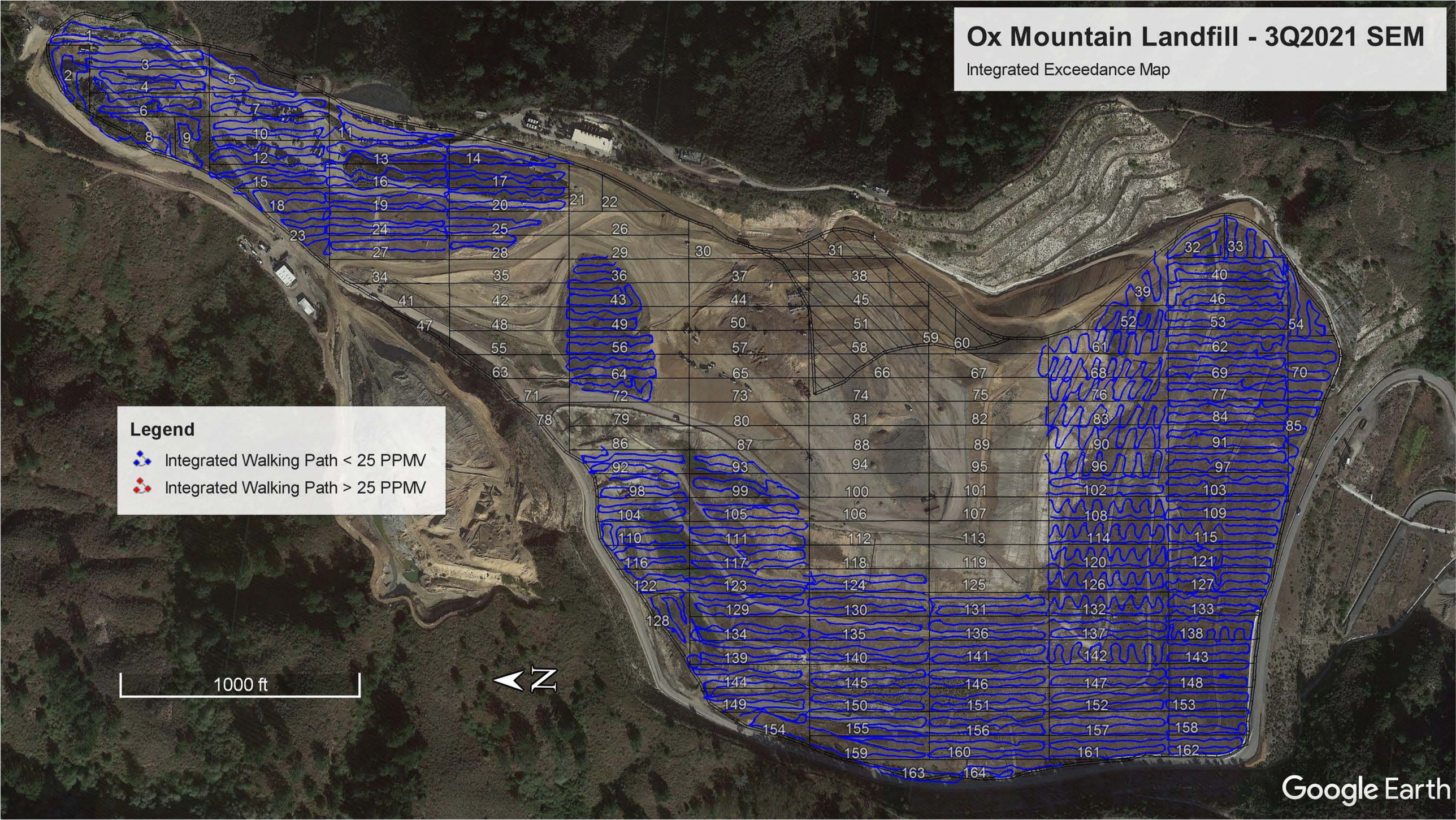
Table 4

RETESTING RESULTS FOR INITIAL INTEGRATED
CONCENTRATIONS > 25 PPMV
3Q2021 Ox Mountain Landfill

FILE NAME	DATE	GRID NO.	INTEGRATED METHANE CONCENTRATION (ppmv)
No integrated monitoring recorded above the 25.0 ppmv criteria.			

Ox Mountain Landfill - 3Q2021 SEM

Integrated Exceedance Map



APPENDIX D

CALIBRATION LOGS

TETRA TECH

SEM Calibration Summary
Ox Mountain
Q3 2021 SEM

MONITORING TYPE	OPERATOR NAME	INSTRUMENT ID	FILE SAVE TIME	AVG PRECISION (%)	AVG RESPONSE TIME (SECONDS)
VERIFICATION SUMMARY	joel	886B0FA6E68F	9/7/2021 8:40	-0.4	4.3

MONITORING TYPE	CAL GAS SERIAL NUMBER	CAL GAS TYPE	CAL GAS CONCENTRATION (ppmv)	DETECTOR CONCENTRATION (ppmv)	DIFFERENCE (ppmv)	DIFFERENCE (%)	ZERO AIR PPM	TIMESTAMP	INSTRUMENT ID
PRECISION MEASUREMENT		CH4 (Methane)	500	502.9	2.9	0.6	0	9/7/2021 8:35	886B0FA6E68F
PRECISION MEASUREMENT		CH4 (Methane)	500	497.1	-2.9	-0.6	0	9/7/2021 8:38	886B0FA6E68F
PRECISION MEASUREMENT		CH4 (Methane)	500	494.6	-5.4	-1.1	0	9/7/2021 8:38	886B0FA6E68F

MONITORING TYPE	CAL GAS SERIAL NUMBER	CAL GAS TYPE	CAL GAS CONCENTRATION (ppmv)	TARGET CONCENTRATION (ppmv)	INITIAL CONCENTRATION (ppmv)	RESPONSE TIME (seconds)	TIMESTAMP	INSTRUMENT ID
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	473.3	0	5	9/7/2021 8:39	886B0FA6E68F
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	473.3	3.2	4	9/7/2021 8:39	886B0FA6E68F
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	473.3	0	4	9/7/2021 8:40	886B0FA6E68F

MONITORING TYPE	OPERATOR NAME	INSTRUMENT ID	FILE SAVE TIME	AVG PRECISION (%)	AVG RESPONSE TIME (SECONDS)
VERIFICATION SUMMARY	FSI	886B0FA6E6F6	9/7/2021 8:41	-1.5	4.7

MONITORING TYPE	CAL GAS SERIAL NUMBER	CAL GAS TYPE	CAL GAS CONCENTRATION (ppmv)	DETECTOR CONCENTRATION (ppmv)	DIFFERENCE (ppmv)	DIFFERENCE (%)	ZERO AIR PPM	TIMESTAMP	INSTRUMENT ID
PRECISION MEASUREMENT		CH4 (Methane)	500	496.6	-3.4	-0.7	0	9/7/2021 8:38	886B0FA6E6F6
PRECISION MEASUREMENT		CH4 (Methane)	500	491.7	-8.3	-1.7	0	9/7/2021 8:38	886B0FA6E6F6
PRECISION MEASUREMENT		CH4 (Methane)	500	489.7	-10.3	-2.1	0	9/7/2021 8:40	886B0FA6E6F6

MONITORING TYPE	CAL GAS SERIAL NUMBER	CAL GAS TYPE	CAL GAS CONCENTRATION (ppmv)	TARGET CONCENTRATION (ppmv)	INITIAL CONCENTRATION (ppmv)	RESPONSE TIME (seconds)	TIMESTAMP	INSTRUMENT ID
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	468	0	5	9/7/2021 8:40	886B0FA6E6F6
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	468	0	4	9/7/2021 8:40	886B0FA6E6F6
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	468	0	5	9/7/2021 8:41	886B0FA6E6F6

MONITORING TYPE	OPERATOR NAME	INSTRUMENT ID	FILE SAVE TIME	AVG PRECISION (%)	AVG RESPONSE TIME (SECONDS)
VERIFICATION SUMMARY	FSI	886B0F62C147	9/7/2021 9:25	-0.2	5.3

MONITORING TYPE	CAL GAS SERIAL NUMBER	CAL GAS TYPE	CAL GAS CONCENTRATION (ppmv)	DETECTOR CONCENTRATION (ppmv)	DIFFERENCE (ppmv)	DIFFERENCE (%)	ZERO AIR PPM	TIMESTAMP	INSTRUMENT ID
PRECISION MEASUREMENT		CH4 (Methane)	500	497.6	-2.4	-0.5	0	9/7/2021 9:22	886B0F62C147
PRECISION MEASUREMENT		CH4 (Methane)	500	499.5	-0.5	-0.1	0	9/7/2021 9:22	886B0F62C147
PRECISION MEASUREMENT		CH4 (Methane)	500	499.7	-0.3	-0.1	0	9/7/2021 9:22	886B0F62C147

MONITORING TYPE	CAL GAS SERIAL NUMBER	CAL GAS TYPE	CAL GAS CONCENTRATION (ppmv)	TARGET CONCENTRATION (ppmv)	INITIAL CONCENTRATION (ppmv)	RESPONSE TIME (seconds)	TIMESTAMP	INSTRUMENT ID
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	474	0	5	9/7/2021 9:23	886B0F62C147
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	474	0	6	9/7/2021 9:24	886B0F62C147
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	474	0	5	9/7/2021 9:24	886B0F62C147

MONITORING TYPE	OPERATOR NAME	INSTRUMENT ID	FILE SAVE TIME	AVG PRECISION (%)	AVG RESPONSE TIME (SECONDS)
VERIFICATION SUMMARY	FSI	886B0FA6E6F6	9/8/2021 8:58	-1.1	5.3

MONITORING TYPE	CAL GAS SERIAL NUMBER	CAL GAS TYPE	CAL GAS CONCENTRATION (ppmv)	DETECTOR CONCENTRATION (ppmv)	DIFFERENCE (ppmv)	DIFFERENCE (%)	ZERO AIR PPM	TIMESTAMP	INSTRUMENT ID
PRECISION MEASUREMENT		CH4 (Methane)	500	504.1	4.1	0.8	0	9/8/2021 8:48	886B0FA6E6F6
PRECISION MEASUREMENT		CH4 (Methane)	500	489.3	-10.7	-2.1	0	9/8/2021 8:56	886B0FA6E6F6
PRECISION MEASUREMENT		CH4 (Methane)	500	490.6	-9.4	-1.9	0	9/8/2021 8:57	886B0FA6E6F6

MONITORING TYPE	CAL GAS SERIAL NUMBER	CAL GAS TYPE	CAL GAS CONCENTRATION (ppmv)	TARGET CONCENTRATION (ppmv)	INITIAL CONCENTRATION (ppmv)	RESPONSE TIME (seconds)	TIMESTAMP	INSTRUMENT ID
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	470	0	6	9/8/2021 8:57	886B0FA6E6F6
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	470	0	5	9/8/2021 8:58	886B0FA6E6F6
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	470	0	5	9/8/2021 8:58	886B0FA6E6F6

MONITORING TYPE	OPERATOR NAME	INSTRUMENT ID	FILE SAVE TIME	AVG PRECISION (%)	AVG RESPONSE TIME (SECONDS)
VERIFICATION SUMMARY	FSI	886B0F62C147	9/8/2021 9:03	-0.5	5.7

MONITORING TYPE	CAL GAS SERIAL NUMBER	CAL GAS TYPE	CAL GAS CONCENTRATION (ppmv)	DETECTOR CONCENTRATION (ppmv)	DIFFERENCE (ppmv)	DIFFERENCE (%)	ZERO AIR PPM	TIMESTAMP	INSTRUMENT ID
PRECISION MEASUREMENT		CH4 (Methane)	500	497.7	-2.3	-0.5	0	9/8/2021 8:57	886B0F62C147
PRECISION MEASUREMENT		CH4 (Methane)	500	497.7	-2.3	-0.5	0	9/8/2021 8:58	886B0F62C147
PRECISION MEASUREMENT		CH4 (Methane)	500	496.8	-3.2	-0.6	0	9/8/2021 8:58	886B0F62C147

MONITORING TYPE	CAL GAS SERIAL NUMBER	CAL GAS TYPE	CAL GAS CONCENTRATION (ppmv)	TARGET CONCENTRATION (ppmv)	INITIAL CONCENTRATION (ppmv)	RESPONSE TIME (seconds)	TIMESTAMP	INSTRUMENT ID
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	472.5	0	6	9/8/2021 9:00	886B0F62C147
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	472.5	0	6	9/8/2021 9:00	886B0F62C147
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	472.5	0	5	9/8/2021 9:01	886B0F62C147

MONITORING TYPE	OPERATOR NAME	INSTRUMENT ID	FILE SAVE TIME	AVG PRECISION (%)	AVG RESPONSE TIME (SECONDS)
VERIFICATION SUMMARY	FSI	886B0FA6E6F6	9/10/2021 7:48	-1.5	4.7

MONITORING TYPE	CAL GAS SERIAL NUMBER	CAL GAS TYPE	CAL GAS CONCENTRATION (ppmv)	DETECTOR CONCENTRATION (ppmv)	DIFFERENCE (ppmv)	DIFFERENCE (%)	ZERO AIR PPM	TIMESTAMP	INSTRUMENT ID
PRECISION MEASUREMENT		CH4 (Methane)	500	487.2	-12.8	-2.6	0	9/10/2021 7:46	886B0FA6E6F6
PRECISION MEASUREMENT		CH4 (Methane)	500	494.9	-5.1	-1	0	9/10/2021 7:47	886B0FA6E6F6
PRECISION MEASUREMENT		CH4 (Methane)	500	495.6	-4.4	-0.9	0	9/10/2021 7:47	886B0FA6E6F6

MONITORING TYPE	CAL GAS SERIAL NUMBER	CAL GAS TYPE	CAL GAS CONCENTRATION (ppmv)	TARGET CONCENTRATION (ppmv)	INITIAL CONCENTRATION (ppmv)	RESPONSE TIME (seconds)	TIMESTAMP	INSTRUMENT ID
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	467.9	0	5	9/10/2021 7:47	886B0FA6E6F6
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	467.9	0	4	9/10/2021 7:48	886B0FA6E6F6
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	467.9	0	5	9/10/2021 7:48	886B0FA6E6F6

MONITORING TYPE	OPERATOR NAME	INSTRUMENT ID	FILE SAVE TIME	AVG PRECISION (%)	AVG RESPONSE TIME (SECONDS)
VERIFICATION SUMMARY	FSI	886B0F62C147	9/10/2021 8:27	-0.1	5.7

MONITORING TYPE	CAL GAS SERIAL NUMBER	CAL GAS TYPE	CAL GAS CONCENTRATION (ppmv)	DETECTOR CONCENTRATION (ppmv)	DIFFERENCE (ppmv)	DIFFERENCE (%)	ZERO AIR PPM	TIMESTAMP	INSTRUMENT ID
PRECISION MEASUREMENT		CH4 (Methane)	500	500.5	0.5	0.1	0	9/10/2021 8:25	886B0F62C147
PRECISION MEASUREMENT		CH4 (Methane)	500	499.8	-0.2	0	0	9/10/2021 8:25	886B0F62C147
PRECISION MEASUREMENT		CH4 (Methane)	500	498.3	-1.7	-0.3	0	9/10/2021 8:26	886B0F62C147

MONITORING TYPE	CAL GAS SERIAL NUMBER	CAL GAS TYPE	CAL GAS CONCENTRATION (ppmv)	TARGET CONCENTRATION (ppmv)	INITIAL CONCENTRATION (ppmv)	RESPONSE TIME (seconds)	TIMESTAMP	INSTRUMENT ID
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	474.6	0	6	9/10/2021 8:26	886B0F62C147
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	474.6	0	6	9/10/2021 8:26	886B0F62C147
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	474.6	0	5	9/10/2021 8:27	886B0F62C147

MONITORING TYPE	OPERATOR NAME	INSTRUMENT ID	FILE SAVE TIME	AVG PRECISION (%)	AVG RESPONSE TIME (SECONDS)
VERIFICATION SUMMARY	FSI	886B0F62C147	9/13/2021 9:12	0.1	4.3

MONITORING TYPE	CAL GAS SERIAL NUMBER	CAL GAS TYPE	CAL GAS CONCENTRATION (ppmv)	DETECTOR CONCENTRATION (ppmv)	DIFFERENCE (ppmv)	DIFFERENCE (%)	ZERO AIR PPM	TIMESTAMP	INSTRUMENT ID
PRECISION MEASUREMENT		CH4 (Methane)	500	499.4	-0.6	-0.1	0	9/13/2021 9:10	886B0F62C147
PRECISION MEASUREMENT		CH4 (Methane)	500	501.1	1.1	0.2	0	9/13/2021 9:11	886B0F62C147
PRECISION MEASUREMENT		CH4 (Methane)	500	501.2	1.2	0.2	0	9/13/2021 9:11	886B0F62C147

MONITORING TYPE	CAL GAS SERIAL NUMBER	CAL GAS TYPE	CAL GAS CONCENTRATION (ppmv)	TARGET CONCENTRATION (ppmv)	INITIAL CONCENTRATION (ppmv)	RESPONSE TIME (seconds)	TIMESTAMP	INSTRUMENT ID
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	475.5	0	4	9/13/2021 9:11	886B0F62C147
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	475.5	0	5	9/13/2021 9:12	886B0F62C147
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	475.5	0	4	9/13/2021 9:12	886B0F62C147

MONITORING TYPE	OPERATOR NAME	INSTRUMENT ID	FILE SAVE TIME	AVG PRECISION (%)	AVG RESPONSE TIME (SECONDS)
VERIFICATION SUMMARY	joel	886B0FA6E6F6	9/13/2021 9:27	-1.9	5.3

MONITORING TYPE	CAL GAS SERIAL NUMBER	CAL GAS TYPE	CAL GAS CONCENTRATION (ppmv)	DETECTOR CONCENTRATION (ppmv)	DIFFERENCE (ppmv)	DIFFERENCE (%)	ZERO AIR PPM	TIMESTAMP	INSTRUMENT ID
PRECISION MEASUREMENT		CH4 (Methane)	500	490.6	-9.4	-1.9	0	9/13/2021 9:25	886B0FA6E6F6
PRECISION MEASUREMENT		CH4 (Methane)	500	489.7	-10.3	-2.1	0	9/13/2021 9:25	886B0FA6E6F6
PRECISION MEASUREMENT		CH4 (Methane)	500	491.1	-8.9	-1.8	0	9/13/2021 9:25	886B0FA6E6F6

MONITORING TYPE	CAL GAS SERIAL NUMBER	CAL GAS TYPE	CAL GAS CONCENTRATION (ppmv)	TARGET CONCENTRATION (ppmv)	INITIAL CONCENTRATION (ppmv)	RESPONSE TIME (seconds)	TIMESTAMP	INSTRUMENT ID
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	465.9	0	5	9/13/2021 9:26	886B0FA6E6F6
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	465.9	0	5	9/13/2021 9:26	886B0FA6E6F6
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	465.9	0	6	9/13/2021 9:26	886B0FA6E6F6

MONITORING TYPE	OPERATOR NAME	INSTRUMENT ID	FILE SAVE TIME	AVG PRECISION (%)	AVG RESPONSE TIME (SECONDS)
VERIFICATION SUMMARY	FSI	842E140AC953	9/13/2021 9:55	-0.4	5.3

MONITORING TYPE	CAL GAS SERIAL NUMBER	CAL GAS TYPE	CAL GAS CONCENTRATION (ppmv)	DETECTOR CONCENTRATION (ppmv)	DIFFERENCE (ppmv)	DIFFERENCE (%)	ZERO AIR PPM	TIMESTAMP	INSTRUMENT ID
PRECISION MEASUREMENT		CH4 (Methane)	500	497.5	-2.5	-0.5	0	9/13/2021 9:51	842E140AC953
PRECISION MEASUREMENT		CH4 (Methane)	500	498.4	-1.6	-0.3	0	9/13/2021 9:52	842E140AC953
PRECISION MEASUREMENT		CH4 (Methane)	500	497.9	-2.1	-0.4	0	9/13/2021 9:52	842E140AC953

MONITORING TYPE	CAL GAS SERIAL NUMBER	CAL GAS TYPE	CAL GAS CONCENTRATION (ppmv)	TARGET CONCENTRATION (ppmv)	INITIAL CONCENTRATION (ppmv)	RESPONSE TIME (seconds)	TIMESTAMP	INSTRUMENT ID
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	473	0	5	9/13/2021 9:53	842E140AC953
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	473	0	5	9/13/2021 9:54	842E140AC953
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	473	0	6	9/13/2021 9:54	842E140AC953

MONITORING TYPE	OPERATOR NAME	INSTRUMENT ID	FILE SAVE TIME	AVG PRECISION (%)	AVG RESPONSE TIME (SECONDS)
VERIFICATION SUMMARY	joel	886B0FA6E6F6	9/14/2021 8:03	-1.1	5.7

MONITORING TYPE	CAL GAS SERIAL NUMBER	CAL GAS TYPE	CAL GAS CONCENTRATION (ppmv)	DETECTOR CONCENTRATION (ppmv)	DIFFERENCE (ppmv)	DIFFERENCE (%)	ZERO AIR PPM	TIMESTAMP	INSTRUMENT ID
PRECISION MEASUREMENT		CH4 (Methane)	500	492.9	-7.1	-1.4	0	9/14/2021 8:01	886B0FA6E6F6
PRECISION MEASUREMENT		CH4 (Methane)	500	496.2	-3.8	-0.8	0	9/14/2021 8:01	886B0FA6E6F6
PRECISION MEASUREMENT		CH4 (Methane)	500	494.2	-5.8	-1.2	0	9/14/2021 8:02	886B0FA6E6F6

MONITORING TYPE	CAL GAS SERIAL NUMBER	CAL GAS TYPE	CAL GAS CONCENTRATION (ppmv)	TARGET CONCENTRATION (ppmv)	INITIAL CONCENTRATION (ppmv)	RESPONSE TIME (seconds)	TIMESTAMP	INSTRUMENT ID
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	469.7	0	6	9/14/2021 8:02	886B0FA6E6F6
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	469.7	0	7	9/14/2021 8:03	886B0FA6E6F6
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	469.7	0	4	9/14/2021 8:03	886B0FA6E6F6

MONITORING TYPE	OPERATOR NAME	INSTRUMENT ID	FILE SAVE TIME	AVG PRECISION (%)	AVG RESPONSE TIME (SECONDS)
VERIFICATION SUMMARY	FSI	842E140AC953	9/14/2021 8:40	-0.4	4.7

MONITORING TYPE	CAL GAS SERIAL NUMBER	CAL GAS TYPE	CAL GAS CONCENTRATION (ppmv)	DETECTOR CONCENTRATION (ppmv)	DIFFERENCE (ppmv)	DIFFERENCE (%)	ZERO AIR PPM	TIMESTAMP	INSTRUMENT ID
PRECISION MEASUREMENT		CH4 (Methane)	500	498.7	-1.3	-0.3	0	9/14/2021 8:36	842E140AC953
PRECISION MEASUREMENT		CH4 (Methane)	500	497.7	-2.3	-0.5	0	9/14/2021 8:37	842E140AC953
PRECISION MEASUREMENT		CH4 (Methane)	500	497.6	-2.4	-0.5	0	9/14/2021 8:37	842E140AC953

MONITORING TYPE	CAL GAS SERIAL NUMBER	CAL GAS TYPE	CAL GAS CONCENTRATION (ppmv)	TARGET CONCENTRATION (ppmv)	INITIAL CONCENTRATION (ppmv)	RESPONSE TIME (seconds)	TIMESTAMP	INSTRUMENT ID
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	473.1	0	5	9/14/2021 8:38	842E140AC953
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	473.1	0	4	9/14/2021 8:38	842E140AC953
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	473.1	0	5	9/14/2021 8:40	842E140AC953

MONITORING TYPE	OPERATOR NAME	INSTRUMENT ID	FILE SAVE TIME	AVG PRECISION (%)	AVG RESPONSE TIME (SECONDS)
VERIFICATION SUMMARY	FSI	886B0F62C147	9/14/2021 10:28	0	4.7

MONITORING TYPE	CAL GAS SERIAL NUMBER	CAL GAS TYPE	CAL GAS CONCENTRATION (ppmv)	DETECTOR CONCENTRATION (ppmv)	DIFFERENCE (ppmv)	DIFFERENCE (%)	ZERO AIR PPM	TIMESTAMP	INSTRUMENT ID
PRECISION MEASUREMENT		CH4 (Methane)	500	499.1	-0.9	-0.2	0	9/14/2021 10:26	886B0F62C147
PRECISION MEASUREMENT		CH4 (Methane)	500	499.5	-0.5	-0.1	0	9/14/2021 10:27	886B0F62C147
PRECISION MEASUREMENT		CH4 (Methane)	500	501.9	1.9	0.4	0	9/14/2021 10:27	886B0F62C147

MONITORING TYPE	CAL GAS SERIAL NUMBER	CAL GAS TYPE	CAL GAS CONCENTRATION (ppmv)	TARGET CONCENTRATION (ppmv)	INITIAL CONCENTRATION (ppmv)	RESPONSE TIME (seconds)	TIMESTAMP	INSTRUMENT ID
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	475.2	0	5	9/14/2021 10:28	886B0F62C147
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	475.2	0	5	9/14/2021 10:28	886B0F62C147
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	475.2	0	4	9/14/2021 10:28	886B0F62C147

MONITORING TYPE	OPERATOR NAME	INSTRUMENT ID	FILE SAVE TIME	AVG PRECISION (%)	AVG RESPONSE TIME (SECONDS)
VERIFICATION SUMMARY	FSI	886B0F62C147	9/15/2021 8:27	0.1	4.7

MONITORING TYPE	CAL GAS SERIAL NUMBER	CAL GAS TYPE	CAL GAS CONCENTRATION (ppmv)	DETECTOR CONCENTRATION (ppmv)	DIFFERENCE (ppmv)	DIFFERENCE (%)	ZERO AIR PPM	TIMESTAMP	INSTRUMENT ID
PRECISION MEASUREMENT		CH4 (Methane)	500	502.8	2.8	0.6	0	9/15/2021 8:22	886B0F62C147
PRECISION MEASUREMENT		CH4 (Methane)	500	500	0	0	0	9/15/2021 8:25	886B0F62C147
PRECISION MEASUREMENT		CH4 (Methane)	500	498.6	-1.4	-0.3	0	9/15/2021 8:26	886B0F62C147

MONITORING TYPE	CAL GAS SERIAL NUMBER	CAL GAS TYPE	CAL GAS CONCENTRATION (ppmv)	TARGET CONCENTRATION (ppmv)	INITIAL CONCENTRATION (ppmv)	RESPONSE TIME (seconds)	TIMESTAMP	INSTRUMENT ID
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	475.5	0	5	9/15/2021 8:26	886B0F62C147
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	475.5	0	5	9/15/2021 8:27	886B0F62C147
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	475.5	0	4	9/15/2021 8:27	886B0F62C147

MONITORING TYPE	OPERATOR NAME	INSTRUMENT ID	FILE SAVE TIME	AVG PRECISION (%)	AVG RESPONSE TIME (SECONDS)
VERIFICATION SUMMARY	FSI	842E140AC953	9/15/2021 8:35	-0.4	5.7

MONITORING TYPE	CAL GAS SERIAL NUMBER	CAL GAS TYPE	CAL GAS CONCENTRATION (ppmv)	DETECTOR CONCENTRATION (ppmv)	DIFFERENCE (ppmv)	DIFFERENCE (%)	ZERO AIR PPM	TIMESTAMP	INSTRUMENT ID
PRECISION MEASUREMENT		CH4 (Methane)	500	498.3	-1.7	-0.3	0	9/15/2021 8:32	842E140AC953
PRECISION MEASUREMENT		CH4 (Methane)	500	497.7	-2.3	-0.5	0	9/15/2021 8:33	842E140AC953
PRECISION MEASUREMENT		CH4 (Methane)	500	498.5	-1.5	-0.3	0	9/15/2021 8:33	842E140AC953

MONITORING TYPE	CAL GAS SERIAL NUMBER	CAL GAS TYPE	CAL GAS CONCENTRATION (ppmv)	TARGET CONCENTRATION (ppmv)	INITIAL CONCENTRATION (ppmv)	RESPONSE TIME (seconds)	TIMESTAMP	INSTRUMENT ID
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	473.3	0	6	9/15/2021 8:34	842E140AC953
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	473.3	0	6	9/15/2021 8:35	842E140AC953
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	473.3	0	5	9/15/2021 8:35	842E140AC953

MONITORING TYPE	OPERATOR NAME	INSTRUMENT ID	FILE SAVE TIME	AVG PRECISION (%)	AVG RESPONSE TIME (SECONDS)
VERIFICATION SUMMARY	FSI	842E140AC953	9/16/2021 11:38	-0.3	5

MONITORING TYPE	CAL GAS SERIAL NUMBER	CAL GAS TYPE	CAL GAS CONCENTRATION (ppmv)	DETECTOR CONCENTRATION (ppmv)	DIFFERENCE (ppmv)	DIFFERENCE (%)	ZERO AIR PPM	TIMESTAMP	INSTRUMENT ID
PRECISION MEASUREMENT		CH4 (Methane)	500	498	-2	-0.4	0	9/16/2021 11:34	842E140AC953
PRECISION MEASUREMENT		CH4 (Methane)	500	499	-1	-0.2	0	9/16/2021 11:34	842E140AC953
PRECISION MEASUREMENT		CH4 (Methane)	500	498.3	-1.7	-0.3	0	9/16/2021 11:34	842E140AC953

MONITORING TYPE	CAL GAS SERIAL NUMBER	CAL GAS TYPE	CAL GAS CONCENTRATION (ppmv)	TARGET CONCENTRATION (ppmv)	INITIAL CONCENTRATION (ppmv)	RESPONSE TIME (seconds)	TIMESTAMP	INSTRUMENT ID
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	473.5	0	5	9/16/2021 11:36	842E140AC953
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	473.5	0	6	9/16/2021 11:36	842E140AC953
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	473.5	0	4	9/16/2021 11:36	842E140AC953

MONITORING TYPE	OPERATOR NAME	INSTRUMENT ID	FILE SAVE TIME	AVG PRECISION (%)	AVG RESPONSE TIME (SECONDS)
VERIFICATION SUMMARY	FSI	842E140AC953	9/17/2021 9:18	-0.4	5.7

MONITORING TYPE	CAL GAS SERIAL NUMBER	CAL GAS TYPE	CAL GAS CONCENTRATION (ppmv)	DETECTOR CONCENTRATION (ppmv)	DIFFERENCE (ppmv)	DIFFERENCE (%)	ZERO AIR PPM	TIMESTAMP	INSTRUMENT ID
PRECISION MEASUREMENT		CH4 (Methane)	500	498.4	-1.6	-0.3	0	9/17/2021 9:14	842E140AC953
PRECISION MEASUREMENT		CH4 (Methane)	500	497.9	-2.1	-0.4	0	9/17/2021 9:14	842E140AC953
PRECISION MEASUREMENT		CH4 (Methane)	500	498.1	-1.9	-0.4	0	9/17/2021 9:15	842E140AC953

MONITORING TYPE	CAL GAS SERIAL NUMBER	CAL GAS TYPE	CAL GAS CONCENTRATION (ppmv)	TARGET CONCENTRATION (ppmv)	INITIAL CONCENTRATION (ppmv)	RESPONSE TIME (seconds)	TIMESTAMP	INSTRUMENT ID
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	473.2	0	6	9/17/2021 9:17	842E140AC953
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	473.2	0	6	9/17/2021 9:17	842E140AC953
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	473.2	0	5	9/17/2021 9:18	842E140AC953

MONITORING TYPE	OPERATOR NAME	INSTRUMENT ID	FILE SAVE TIME	AVG PRECISION (%)	AVG RESPONSE TIME (SECONDS)
VERIFICATION SUMMARY	joel	886B0F62C147	9/17/2021 10:41	-1.3	5

MONITORING TYPE	CAL GAS SERIAL NUMBER	CAL GAS TYPE	CAL GAS CONCENTRATION (ppmv)	DETECTOR CONCENTRATION (ppmv)	DIFFERENCE (ppmv)	DIFFERENCE (%)	ZERO AIR PPM	TIMESTAMP	INSTRUMENT ID
PRECISION MEASUREMENT		CH4 (Methane)	500	499.2	-0.8	-0.2	0	9/17/2021 10:39	886B0F62C147
PRECISION MEASUREMENT		CH4 (Methane)	500	487.4	-12.6	-2.5	0	9/17/2021 10:39	886B0F62C147
PRECISION MEASUREMENT		CH4 (Methane)	500	494.5	-5.5	-1.1	0	9/17/2021 10:40	886B0F62C147

MONITORING TYPE	CAL GAS SERIAL NUMBER	CAL GAS TYPE	CAL GAS CONCENTRATION (ppmv)	TARGET CONCENTRATION (ppmv)	INITIAL CONCENTRATION (ppmv)	RESPONSE TIME (seconds)	TIMESTAMP	INSTRUMENT ID
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	469	0	6	9/17/2021 10:40	886B0F62C147
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	469	0	5	9/17/2021 10:41	886B0F62C147
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	469	0	4	9/17/2021 10:41	886B0F62C147

MONITORING TYPE	OPERATOR NAME	INSTRUMENT ID	FILE SAVE TIME	AVG PRECISION (%)	AVG RESPONSE TIME (SECONDS)
VERIFICATION SUMMARY	FSI	842E140AC953	9/24/2021 8:10	-0.2	5.7

MONITORING TYPE	CAL GAS SERIAL NUMBER	CAL GAS TYPE	CAL GAS CONCENTRATION (ppmv)	DETECTOR CONCENTRATION (ppmv)	DIFFERENCE (ppmv)	DIFFERENCE (%)	ZERO AIR PPM	TIMESTAMP	INSTRUMENT ID
PRECISION MEASUREMENT		CH4 (Methane)	500	498.9	-1.1	-0.2	0	9/24/2021 8:06	842E140AC953
PRECISION MEASUREMENT		CH4 (Methane)	500	499.2	-0.8	-0.2	0	9/24/2021 8:06	842E140AC953
PRECISION MEASUREMENT		CH4 (Methane)	500	499.3	-0.7	-0.1	0	9/24/2021 8:07	842E140AC953

MONITORING TYPE	CAL GAS SERIAL NUMBER	CAL GAS TYPE	CAL GAS CONCENTRATION (ppmv)	TARGET CONCENTRATION (ppmv)	INITIAL CONCENTRATION (ppmv)	RESPONSE TIME (seconds)	TIMESTAMP	INSTRUMENT ID
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	474.2	0	6	9/24/2021 8:09	842E140AC953
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	474.2	0	6	9/24/2021 8:10	842E140AC953
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	474.2	0	5	9/24/2021 8:10	842E140AC953

MONITORING TYPE	OPERATOR NAME	INSTRUMENT ID	FILE SAVE TIME	AVG PRECISION (%)	AVG RESPONSE TIME (SECONDS)
VERIFICATION SUMMARY	FSI	842E140AC953	9/27/2021 8:34	-0.3	5

MONITORING TYPE	CAL GAS SERIAL NUMBER	CAL GAS TYPE	CAL GAS CONCENTRATION (ppmv)	DETECTOR CONCENTRATION (ppmv)	DIFFERENCE (ppmv)	DIFFERENCE (%)	ZERO AIR PPM	TIMESTAMP	INSTRUMENT ID
PRECISION MEASUREMENT		CH4 (Methane)	500	497.5	-2.5	-0.5	0	9/27/2021 8:32	842E140AC953
PRECISION MEASUREMENT		CH4 (Methane)	500	499.6	-0.4	-0.1	0	9/27/2021 8:32	842E140AC953
PRECISION MEASUREMENT		CH4 (Methane)	500	497.9	-2.1	-0.4	0	9/27/2021 8:33	842E140AC953

MONITORING TYPE	CAL GAS SERIAL NUMBER	CAL GAS TYPE	CAL GAS CONCENTRATION (ppmv)	TARGET CONCENTRATION (ppmv)	INITIAL CONCENTRATION (ppmv)	RESPONSE TIME (seconds)	TIMESTAMP	INSTRUMENT ID
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	473.4	0	5	9/27/2021 8:34	842E140AC953
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	473.4	0	5	9/27/2021 8:34	842E140AC953
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	473.4	0	5	9/27/2021 8:34	842E140AC953

MONITORING TYPE	OPERATOR NAME	INSTRUMENT ID	FILE SAVE TIME	AVG PRECISION (%)	AVG RESPONSE TIME (SECONDS)
VERIFICATION SUMMARY	FSI	842E140AC953	10/4/2021 8:25	-0.4	5.3

MONITORING TYPE	CAL GAS SERIAL NUMBER	CAL GAS TYPE	CAL GAS CONCENTRATION (ppmv)	DETECTOR CONCENTRATION (ppmv)	DIFFERENCE (ppmv)	DIFFERENCE (%)	ZERO AIR PPM	TIMESTAMP	INSTRUMENT ID
PRECISION MEASUREMENT		CH4 (Methane)	500	497.6	-2.4	-0.5	0	10/4/2021 8:22	842E140AC953
PRECISION MEASUREMENT		CH4 (Methane)	500	499	-1	-0.2	0	10/4/2021 8:22	842E140AC953
PRECISION MEASUREMENT		CH4 (Methane)	500	498	-2	-0.4	0	10/4/2021 8:23	842E140AC953

MONITORING TYPE	CAL GAS SERIAL NUMBER	CAL GAS TYPE	CAL GAS CONCENTRATION (ppmv)	TARGET CONCENTRATION (ppmv)	INITIAL CONCENTRATION (ppmv)	RESPONSE TIME (seconds)	TIMESTAMP	INSTRUMENT ID
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	473.3	0	6	10/4/2021 8:24	842E140AC953
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	473.3	0	5	10/4/2021 8:24	842E140AC953
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	473.3	0	5	10/4/2021 8:25	842E140AC953

MONITORING TYPE	OPERATOR NAME	INSTRUMENT ID	FILE SAVE TIME	AVG PRECISION (%)	AVG RESPONSE TIME (SECONDS)
VERIFICATION SUMMARY	FSI	842E140AC953	10/14/2021 8:09	-0.5	5

MONITORING TYPE	CAL GAS SERIAL NUMBER	CAL GAS TYPE	CAL GAS CONCENTRATION (ppmv)	DETECTOR CONCENTRATION (ppmv)	DIFFERENCE (ppmv)	DIFFERENCE (%)	ZERO AIR PPM	TIMESTAMP	INSTRUMENT ID
PRECISION MEASUREMENT		CH4 (Methane)	500	497.6	-2.4	-0.5	0	10/14/2021 8:05	842E140AC953
PRECISION MEASUREMENT		CH4 (Methane)	500	497.4	-2.6	-0.5	0	10/14/2021 8:06	842E140AC953
PRECISION MEASUREMENT		CH4 (Methane)	500	497.5	-2.5	-0.5	0	10/14/2021 8:07	842E140AC953

MONITORING TYPE	CAL GAS SERIAL NUMBER	CAL GAS TYPE	CAL GAS CONCENTRATION (ppmv)	TARGET CONCENTRATION (ppmv)	INITIAL CONCENTRATION (ppmv)	RESPONSE TIME (seconds)	TIMESTAMP	INSTRUMENT ID
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	472.6	0	5	10/14/2021 8:08	842E140AC953
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	472.6	0	5	10/14/2021 8:08	842E140AC953
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	472.6	0	5	10/14/2021 8:08	842E140AC953

MONITORING TYPE	OPERATOR NAME	INSTRUMENT ID	FILE SAVE TIME	AVG PRECISION (%)	AVG RESPONSE TIME (SECONDS)
VERIFICATION SUMMARY	FSI	842E140AC953	10/29/2021 10:12	0	5

MONITORING TYPE	CAL GAS SERIAL NUMBER	CAL GAS TYPE	CAL GAS CONCENTRATION (ppmv)	DETECTOR CONCENTRATION (ppmv)	DIFFERENCE (ppmv)	DIFFERENCE (%)	ZERO AIR PPM	TIMESTAMP	INSTRUMENT ID
PRECISION MEASUREMENT		CH4 (Methane)	500	501.9	1.9	0.4	0	10/29/2021 10:06	842E140AC953
PRECISION MEASUREMENT		CH4 (Methane)	500	500.3	0.3	0.1	0	10/29/2021 10:06	842E140AC953
PRECISION MEASUREMENT		CH4 (Methane)	500	497.7	-2.3	-0.5	0	10/29/2021 10:07	842E140AC953

MONITORING TYPE	CAL GAS SERIAL NUMBER	CAL GAS TYPE	CAL GAS CONCENTRATION (ppmv)	TARGET CONCENTRATION (ppmv)	INITIAL CONCENTRATION (ppmv)	RESPONSE TIME (seconds)	TIMESTAMP	INSTRUMENT ID
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	475	0	5	10/29/2021 10:11	842E140AC953
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	475	0	5	10/29/2021 10:12	842E140AC953
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	475	0	5	10/29/2021 10:12	842E140AC953

MONITORING TYPE	OPERATOR NAME	INSTRUMENT ID	FILE SAVE TIME	AVG PRECISION (%)	AVG RESPONSE TIME (SECONDS)
VERIFICATION SUMMARY	FSI	842E140AC953	11/16/2021 8:09	-0.5	5.3

MONITORING TYPE	CAL GAS SERIAL NUMBER	CAL GAS TYPE	CAL GAS CONCENTRATION (ppmv)	DETECTOR CONCENTRATION (ppmv)	DIFFERENCE (ppmv)	DIFFERENCE (%)	ZERO AIR PPM	TIMESTAMP	INSTRUMENT ID
PRECISION MEASUREMENT		CH4 (Methane)	500	497	-3	-0.6	0	11/16/2021 8:05	842E140AC953
PRECISION MEASUREMENT		CH4 (Methane)	500	497.5	-2.5	-0.5	0	11/16/2021 8:05	842E140AC953
PRECISION MEASUREMENT		CH4 (Methane)	500	497.6	-2.4	-0.5	0	11/16/2021 8:06	842E140AC953

MONITORING TYPE	CAL GAS SERIAL NUMBER	CAL GAS TYPE	CAL GAS CONCENTRATION (ppmv)	TARGET CONCENTRATION (ppmv)	INITIAL CONCENTRATION (ppmv)	RESPONSE TIME (seconds)	TIMESTAMP	INSTRUMENT ID
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	472.5	0	5	11/16/2021 8:07	842E140AC953
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	472.5	0	5	11/16/2021 8:07	842E140AC953
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	472.5	0	6	11/16/2021 8:07	842E140AC953

MONITORING TYPE	OPERATOR NAME	INSTRUMENT ID	FILE SAVE TIME	AVG PRECISION (%)	AVG RESPONSE TIME (SECONDS)
VERIFICATION SUMMARY	FSI	842E140AC953	11/17/2021 8:15	-0.3	5.3

MONITORING TYPE	CAL GAS SERIAL NUMBER	CAL GAS TYPE	CAL GAS CONCENTRATION (ppmv)	DETECTOR CONCENTRATION (ppmv)	DIFFERENCE (ppmv)	DIFFERENCE (%)	ZERO AIR PPM	TIMESTAMP	INSTRUMENT ID
PRECISION MEASUREMENT		CH4 (Methane)	500	498.8	-1.2	-0.2	0	11/17/2021 8:10	842E140AC953
PRECISION MEASUREMENT		CH4 (Methane)	500	498.9	-1.1	-0.2	0	11/17/2021 8:10	842E140AC953
PRECISION MEASUREMENT		CH4 (Methane)	500	498	-2	-0.4	0	11/17/2021 8:11	842E140AC953

MONITORING TYPE	CAL GAS SERIAL NUMBER	CAL GAS TYPE	CAL GAS CONCENTRATION (ppmv)	TARGET CONCENTRATION (ppmv)	INITIAL CONCENTRATION (ppmv)	RESPONSE TIME (seconds)	TIMESTAMP	INSTRUMENT ID
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	473.6	0	5	11/17/2021 8:13	842E140AC953
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	473.6	0	5	11/17/2021 8:14	842E140AC953
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	473.6	0	6	11/17/2021 8:15	842E140AC953

APPENDIX E

WEATHER DATA

Date/Time	Temperature (°F)	Average Wind Speed (mph)	Wind Direction	Sky Condition	Precipitation
9/7/21 8:41	63.0	2.0	North West	Clear	None
9/7/21 8:42	63.0	2.0	North West	Clear	None
9/7/21 9:28	60.0	4.0	North West	PartlyCloudy	None
9/8/2021 9:08	61.0	5.0	West	Clear	None
9/8/2021 9:30	61.0	5.0	North West	Clear	None
9/10/21 7:51	59.0	5.0	South West	Overcast	None
9/10/21 8:28	54.0	2.0	South West	Obscured	None
9/13/21 9:22	57.0	3.0	South East	Obscured	None
9/13/21 9:29	57.0	3.0	South East	PartlyCloudy	None
9/13/21 9:57	58.0	6.0	West	MostlyCloudy	None
9/14/2021 8:06	50.0	3.0	South	Overcast	None
9/14/2021 8:46	51.0	3.0	South	Obscured	None
9/14/2021 10:44	57.0	3.0	South West	PartlyCloudy	None
9/15/2021 8:45	55.0	3.0	South West	Obscured	None
9/15/2021 8:52	54.0	5.0	South	MostlyCloudy	None
9/16/2021 11:42	59.0	5.0	South	MostlyCloudy	None
9/17/2021 9:22	56.0	5.0	South	MostlyCloudy	None
9/17/21 10:07	57.0	5.0	South	MostlyCloudy	None
9/17/21 10:49	61.0	3.0	South	Clear	None
9/23/2021 8:49	53.0	3.0	South East	Clear	None
9/24/21 8:12	55.0	2.0	South	Clear	None
9/27/21 12:20	62.0	5.0	West	Obscured	None
10/4/21 8:32	53.0	1.0	South East	Clear	None
10/4/21 8:32	53.0	1.0	South East	Clear	None
10/14/21 8:30	56.0	7.0	East	Clear	None
10/29/2021 10:18	56.0	2.0	South East	Clear	None
11/16/2021 8:10	53.0	4.0	North West	Obscured	None
11/17/2021 8:20	54.0	2.0	South East	Clear	None

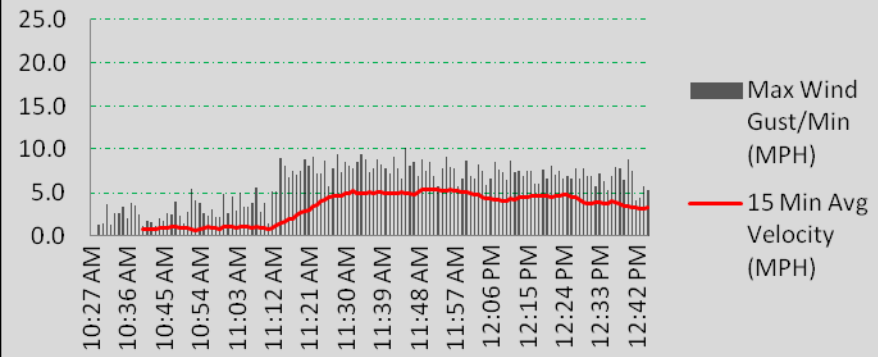
Field Solutions, Inc. Portable Wind Meter and LocalConditions.com historical data

APPENDIX F

WIND SPEED DATA

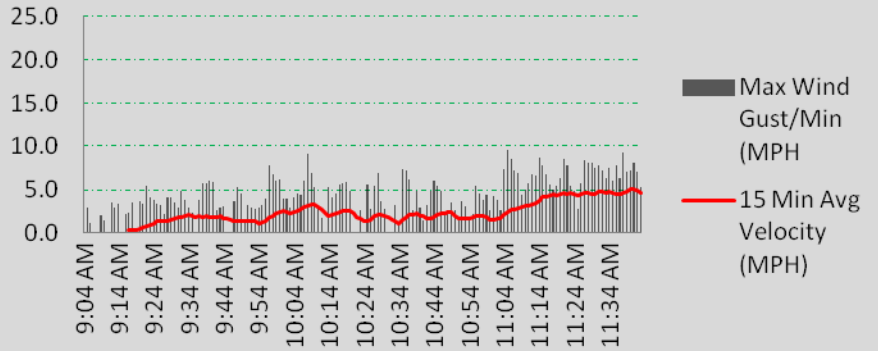
Wind Log - Ox Mountain Landfill

September 7, 2021



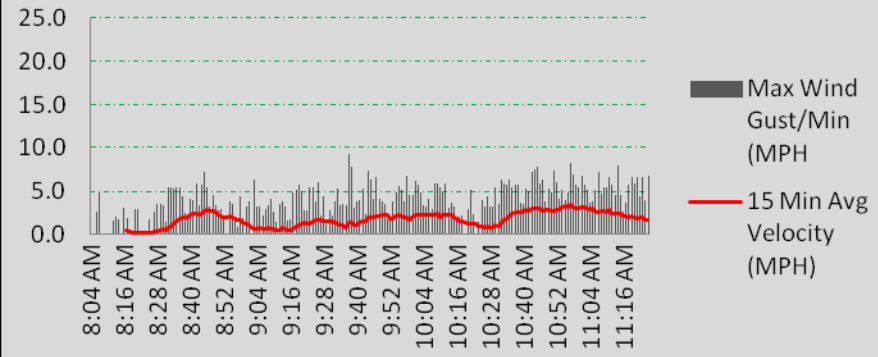
Wind Log - Ox Mountain Landfill

September 8, 2021



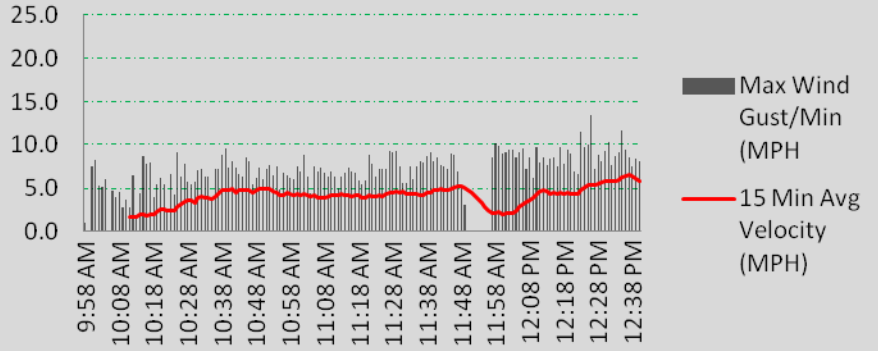
Wind Log - Ox Mountain Landfill

September 10, 2021



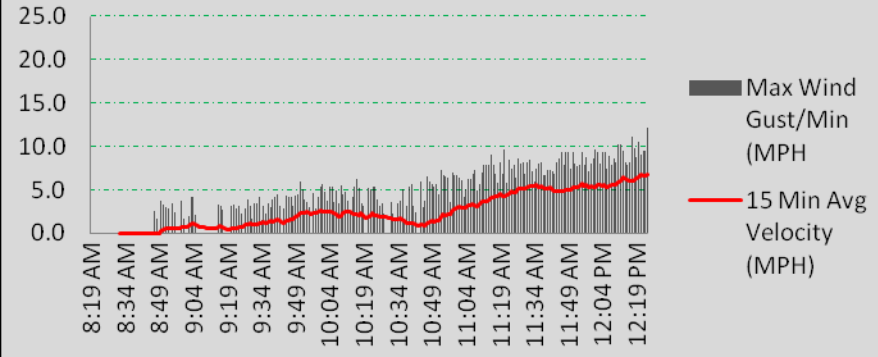
Wind Log - Ox Mountain Landfill

September 13, 2021



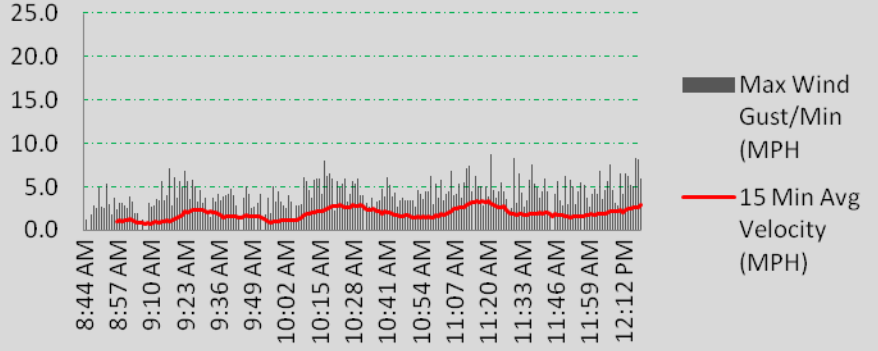
Wind Log - Ox Mountain Landfill

September 14, 2021



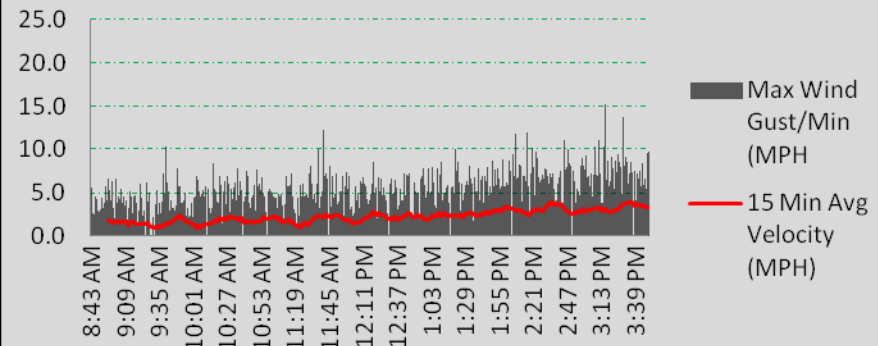
Wind Log - Ox Mountain Landfill

September 15, 2021



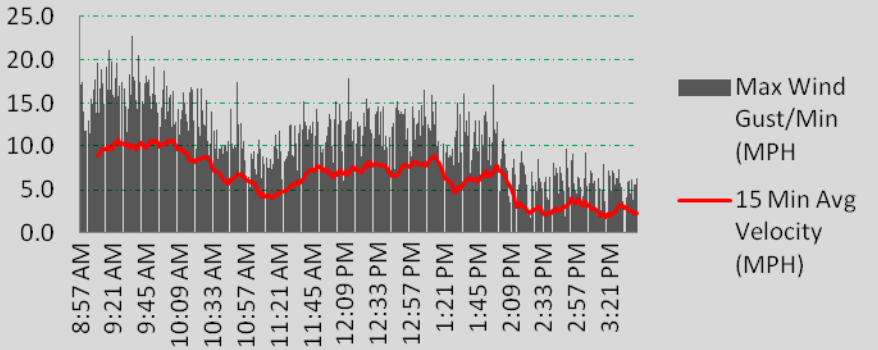
Wind Log - Ox Mountain Landfill

September 17, 2021



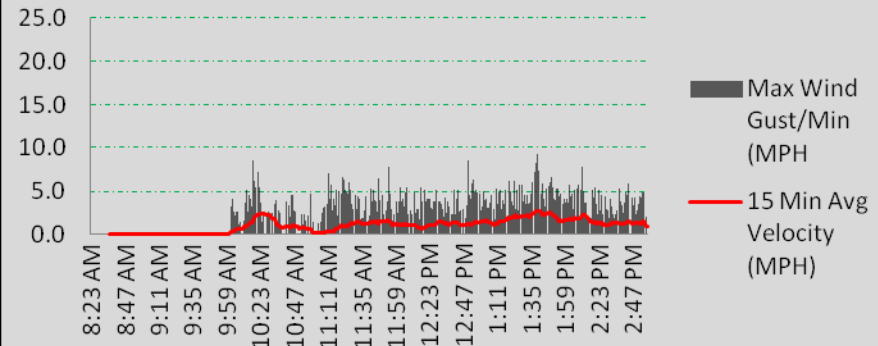
Wind Log - Ox Mountain Landfill

September 23, 2021



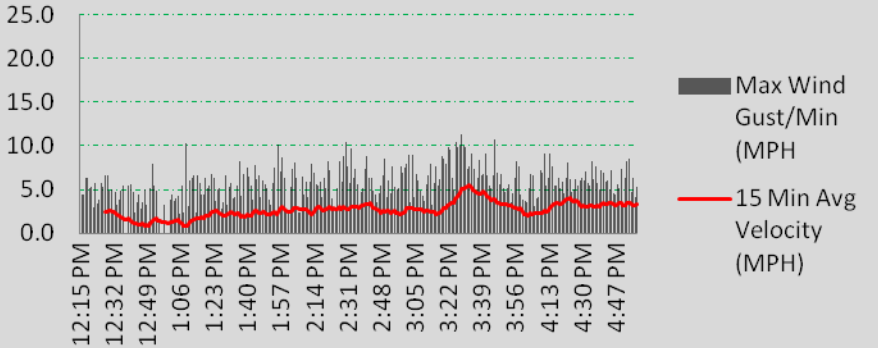
Wind Log - Ox Mountain Landfill

September 24, 2021



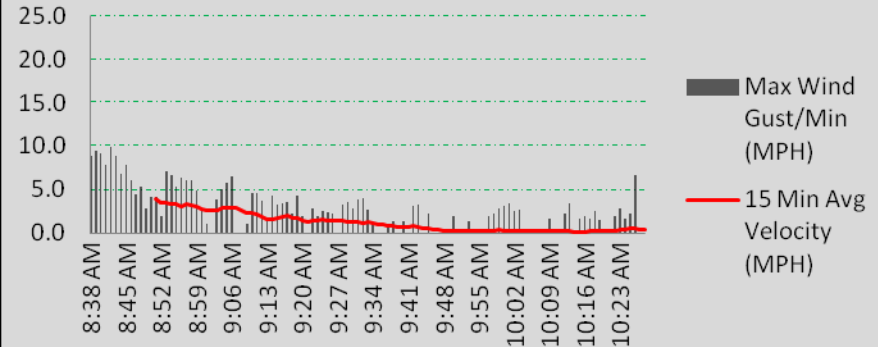
Wind Log - Ox Mountain Landfill

September 27, 2021



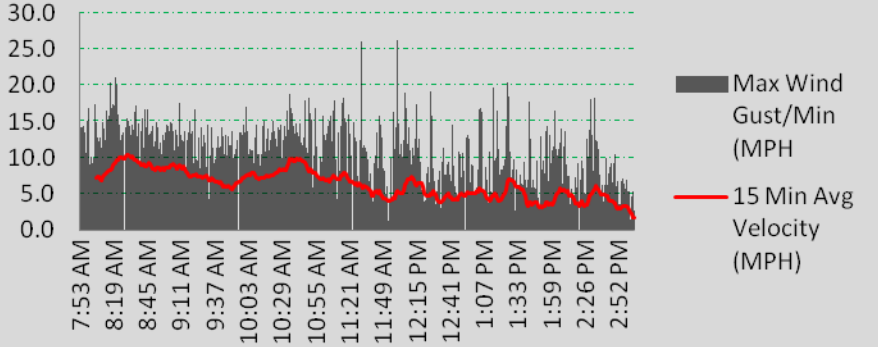
Wind Log - Ox Mountain Landfill

October 4, 2021



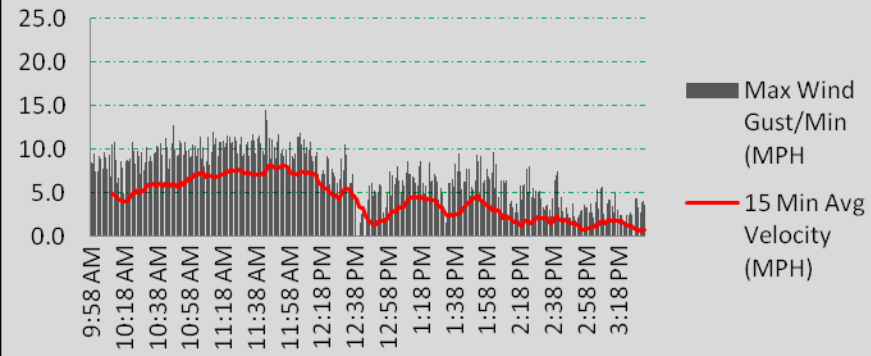
Wind Log - Ox Mountain Landfill

October 14, 2021



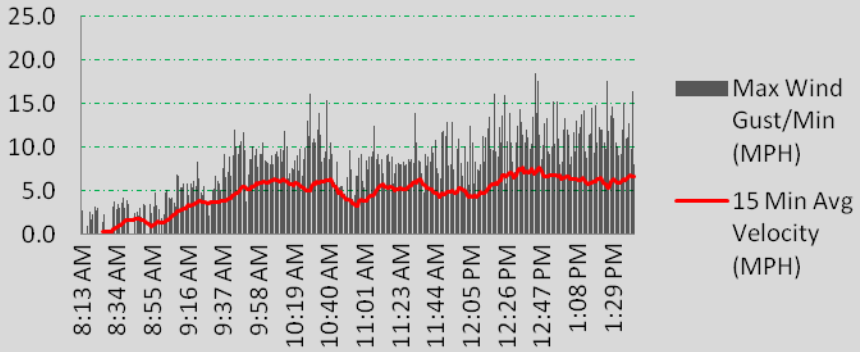
Wind Log - Ox Mountain Landfill

October 29, 2021



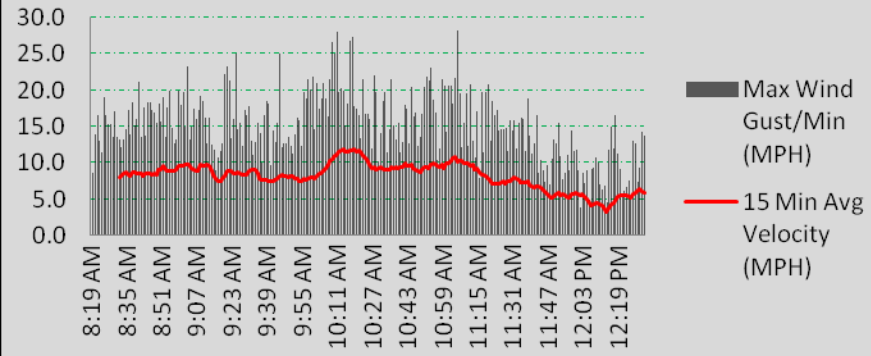
Wind Log - Ox Mountain Landfill

November 16, 2021



Wind Log - Ox Mountain Landfill

November 17, 2021



TETRA TECH

February 10, 2022

Mr. Ben Wade
Browning-Ferris Industries of California, Inc.
Ox Mountain Landfill
12310 San Mateo Rd
Half Moon Bay, CA 94019

Subject: Fourth Quarter 2021 Surface Emissions Monitoring Results for the Ox Mountain Landfill, Half Moon Bay, CA

Dear Mr. Wade:

This report provides results of the Fourth Quarter 2021 New Source Performance Standards (NSPS) and California Air Resources Board (CARB) Landfill Methane Rule (LMR) surface emissions monitoring (SEM) performed by Tetra Tech and a Tetra Tech subcontractor at the Ox Mountain Landfill. All work was performed in accordance with Republic Standard Operating Procedures (SOP), NSPS and LMR requirements.

SUMMARY AND CONCLUSIONS

As stipulated in the LMR, if uncorrectable exceedances within 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. Therefore, based on the previous monitoring events, in which exceedances were observed, the monitoring at the Ox Mountain Landfill was performed on 25-foot pathways in accordance with the LMR.

As required by the LMR, the landfill was divided into 50,000 square foot or less (partial) areas. The Ox Mountain Landfill surface area was therefore, divided into one hundred and sixty-four (164) individual grids as shown in Appendix A.

The Fourth Quarter 2021 SEM testing results indicated twenty-two (22) locations that exceeded the NSPS (Grids) and LMR (Grids and Penetrations) instantaneous methane concentration threshold of 500 parts per million by volume (ppmv) and two (2) exceedances of the LMR integrated threshold limit of 25 ppmv as measured as methane above background were detected during the initial monitoring event. System adjustments and repair work was performed by site personnel. The subsequent 10-day re-monitoring event indicated that twenty-one (21) areas with instantaneous and two integrated exceedances had returned to compliance. After the first 10-day re-monitoring event, one (1) instantaneous location remained above the LMR thresholds of compliance. The second additional 10-day instantaneous monitoring event revealed the one (1) instantaneous location remained in exceedance, triggering the 120-day GCCS expansion timeline. The one-month re-monitoring indicated

there were zero (0) locations with a remaining instantaneous exceedance and zero (0) grids with remaining integrated exceedances as of the end of the quarter.

Due to an exceptionally wet December 2021, the first 10-day re-monitoring event was unable to be completed within the required timelines of NSPS and the LMR. The LMR states that monitoring cannot be completed within 72 hours of measurable rainfall. Between the period of November 30, 2021 through December 17, 2021, there was no opportunity to complete the 10-day re-monitoring event where measurable rainfall did not occur. The re-monitoring was completed as soon as the weather conditions allowed. Results are discussed further in a subsequent section of this report.

Additionally, during this event, some grids were not monitored as these areas were deemed unsafe by Tetra Tech, Tetra Tech's subcontractor, and/or site personnel for entry due to active filling operations, heavy traffic, or steep slopes, which could cause a potential for injury of monitoring personnel as follows:

- Full grids 21, 22, 26, 30, 31, 35, 37, 38, 44, 45, 48, 50, 51, 57, 58, 59, 60, 65, 66, 67, 73, 74, 75, 78, 79, 80, 81, 82, 87, 88, 89, 94, 95, 100, 101, 106, 107, 112, 113, 118, 119, and 125 were not monitored due to active filling operations or active construction which resulted in unsafe conditions. (see Appendix A).

- Partial grids 25, 28, 29, 36, 43, 47, 49, 55, 56, 63, 64, 71, 72, 93, and 99 were partially monitored due to active filling operations or active construction which resulted in unsafe conditions. (see Appendix A).

Areas consisting of native soil (no waste in place) were also exempted from monitoring, in accordance with the LMR. Any wells located in grids noted as exempt from monitoring due to health and safety concerns but remained accessible were monitored on an as-needed basis. Excluded areas are provided on the field map in Appendix A.

Further, as required under the LMR, any location on the landfill that has an observed instantaneous methane concentration greater than or equal to 500 ppmv, must be stake-marked and Global Positioning System (GPS) located on a site figure. When concentrations greater than or equal to 500 ppmv are observed during monitoring events, they are reported to site personnel and included in the quarterly report for that event for inclusion into the annual report as required.

Locations with concentrations between 200 ppmv and 499 ppmv are for reporting purposes only and require no remediation, as they are not an exceedance. Thirty-five (35) locations were found during the monitoring between the LMR instantaneous recording levels of 200 ppmv to 499 ppmv.

Finally, to help prevent potential future exceedances, Tetra Tech recommends that the landfill surface be routinely inspected, any observed surface erosion be routinely repaired, and flowrates to the destruction devices be maximized.

BACKGROUND

The Ox Mountain Landfill is an active municipal solid waste disposal site. By way of background, municipal solid waste buried in a landfill decompose anaerobically (in the absence of oxygen) producing a combustible gas, which contains approximately 50 to 60 percent methane, 40 to 50 percent carbon dioxide, and trace amounts of various other gases, some of which are odorous. The Ox

Mountain Landfill property contains a Gas Collection and Control System (GCCS) to control the combustible gases generated in the landfill that may otherwise either vent vertically to the atmosphere or migrate horizontally through subsurface soil to locations on adjacent properties.

SURFACE EMISSIONS MONITORING

Instantaneous and integrated SEM was performed over the surface of the subject site on November 16, 17, 18, 24, 30, and December 1, 4, 17, 18, 20, 27, and 30, 2021. 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 exceeding the threshold limit values of 25 ppmv for the integrated monitoring in the 50,000 square foot grids as required under the LMR. During this event Tetra Tech performed the monitoring on 25-foot pathways 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:

- Trimble SiteFID Landfill Gas Monitor Portable Flame Ionization Detector (FID). This instrument measures methane in air over a range of 1 to 50,000 ppmv. The FID meets the CARB requirements for combined instantaneous and integrated monitoring and was calibrated in accordance with United States Environmental Protection Agency (US EPA) Method 21 and manufacturers specifications.

- A portable wind data logger by Secure Digital is used to monitor and log wind speeds while performing emissions monitoring. Field observations and local weather station information is used to track weather conditions and rain events.

Instrument calibration logs and instantaneous weather information are shown in Appendix D and E.

SURFACE EMISSIONS MONITORING PROCEDURES

Instantaneous and integrated SEM was conducted in accordance with NSPS and LMR requirements. Monitoring was performed with the FID inlet held within 2 inches of the landfill surface while a technician walked a grid in parallel paths not more than 25-feet apart over the surface of the landfill unless site safety conditions or prior monitoring results allowed 100-foot pathways. 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 500 ppmv threshold limits (reporting and compliance levels, respectively) were GPS tagged, any locations exceeding the 500 ppmv threshold limit were 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 software provided by the instrument manufacturer. 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 Appendix F. Wind speed 15-minute averages were observed to remain below the alternative requested 10 miles per hour (based on 60 second intervals), and no instantaneous speeds exceeded 20 miles per hour during the testing. Monitoring was terminated when average wind speed exceeded 5 miles per hour.

The LMR states that monitoring may not take place if any measurable precipitation is recorded onsite within 72-hours. However, due to an exceptionally wet December 2021, there was no opportunity to complete some of the monitoring events outside the required timeline of 72-hours. Therefore, monitoring occurred on dates between weather events as close to the 72-hour requirement as possible. Weather conditions for the monitoring events are included in Appendix E.

TESTING RESULTS

During the initial monitoring events on November 16, 17, 18, 30, and December 1, 2021 there were twenty-two (22) locations that exceeded the NSPS (Grids) and LMR (Grids and Penetrations) instantaneous level of 500 ppmv. There were two (2) exceedances of the LMR integrated threshold limit of 25 ppmv as measured as methane above background detected. System adjustments and repair work (repair of boreholes, vacuum increases to nearby extraction wells and re-compaction of soil) was performed by site personnel. The subsequent 10-day re-monitoring event which was conducted on November 24, and December 17, 2021 indicated that twenty-one (21) areas with instantaneous and two integrated exceedances had returned to compliance. After the first 10-day re-monitoring event, one (1) instantaneous location remained above the LMR thresholds of compliance. The second additional 10-day instantaneous monitoring event took place on December 20, 2021 and revealed the one (1) instantaneous location remained in exceedance, triggering the 120-day GCCS expansion timeline.

Follow-up monitoring to the initial events were conducted within the one-month interval, as required, on December 18 and 30, 2021. All accessible areas of initial exceedance were re-monitored during these times following additional abatement activities by site personnel. After the one-month confirmation re-monitoring event, all exceedance locations, including the one instantaneous location that remained in exceedance after the second 10-day re-monitoring, were found to be below the LMR thresholds of compliance. Based on these results, no further monitoring is required until the First Quarter of 2022. Results of the monitoring are shown in Appendix B and C. Calibration logs for the monitoring equipment are provided in Appendix D.

The deadline to expand the GCCS as a result of one (1) unabated exceedance is March 30, 2022. Ox Mountain installed a horizontal well in the area of this remaining exceedance as a result of the Third Quarter 2021 SEM event that triggered the expansion also for a remaining exceedance. This well was unable to be started up prior to the Fourth Quarter 2021 SEM monitoring event beginning. Horizontal well OXHC2101 was initially started on December 20, 2021, just prior to when the one-month re-monitoring event for Fourth Quarter occurred. Following the startup of this horizontal well, the remaining exceedance in the surrounding area for Fourth Quarter 2021 cleared. Since the 120-day period for Third Quarter 2021 and Fourth Quarter 2021 overlap, and since the remaining Fourth Quarter 2021 exceedance cleared, Ox Mountain contends that the requirement to expand the GCCS has been met for both Third Quarter 2021 and Fourth Quarter 2021 with the installation and subsequent startup of OXHC2101.

The landfill perimeter was walked and tested. Results of this testing indicated that no exceedances of the 500 ppmv limit were observed, therefore the site perimeter was in compliance with the requirements of the rule.

As mentioned above:

- Full grids 21, 22, 26, 30, 31, 35, 37, 38, 44, 45, 48, 50, 51, 57, 58, 59, 60, 65, 66, 67, 73, 74, 75, 78, 79, 80, 81, 82, 87, 88, 89, 94, 95, 100, 101, 106, 107, 112, 113, 118, 119, and 125 were not monitored due to active filling operations or active construction which resulted in unsafe conditions. (see Appendix A).

- Partial grids 25, 28, 29, 36, 43, 47, 49, 55, 56, 63, 64, 71, 72, 93, and 99 were partially monitored due to active filling operations or active construction which resulted in unsafe conditions. (see Appendix A).

These areas were deemed unsafe by the Tetra Tech subcontractor personnel for entry due to active filling operations, construction, and other dangerous or unsafe conditions, which could cause a potential for injury of monitoring personnel (Appendix A).

Areas consisting of native soil (no waste in place) are also exempt from monitoring, in accordance with the LMR.

Any wells located in grids noted as exempt from monitoring due to health and safety concerns but remained accessible were monitored on an as-needed basis.

PROJECT SCHEDULE

Following the initial events performed on November 16, 17, 18, 30, and December 1, 2021, subsequent re-monitoring was scheduled for ten days later, but due to inclement weather the monitoring was unable to take place within the required timeline. The first 10-day re-monitoring events were performed on November 24, and December 17, 2021. The second additional 10-day instantaneous monitoring event took place on December 20, 2021 and revealed the one (1) instantaneous location remained in exceedance, triggering the 120-day GCCS expansion timeline deadline of March 30, 2022. The one-month confirmation testing on abated instantaneous readings was performed on December 18 and 30, 2021, and indicated that all exceedances remained below LMR thresholds of compliance.

In accordance with the approved Scope of Work, Tetra Tech is scheduled to perform the First Quarter 2022 NSPS and LMR monitoring event by the end of March 2022 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 testing which could affect the surface emissions at the subject site or adjacent properties.

If you have any questions regarding this report, please contact Rob Newbrough at (503) 720-0925.

Thank you,

Rob Newbrough

Rob Newbrough – O&M West Area Manager

This report contains the following Appendices:

Appendix A: Surface Grid Map

Appendix B: Instantaneous Monitoring Results

Appendix C: Integrated Monitoring Results

Appendix D: Calibration Logs

Appendix E: Weather Data

Appendix F: Wind Speed Data

APPENDIX A

SURFACE GRID MAP

Ox Mountain Landfill

4Q2021 SEM Event

Legend

- Areas Not Walked (WF or Construction)
- Areas Walked

Google Earth

1000 ft

N

APPENDIX B

INSTANTANEOUS MONITORING RESULTS

Table 3

SUMMARY OF INSTANTANEOUS MONITORING POINTS

METHANE CONCENTRATIONS BETWEEN 200-499 PPMV

4Q2021 Ox Mountain Landfill

INITIAL MONITORING

FILE NAME	DATE	GRID NO.	ID NO.	LATITUDE WGS84	LONGITUDE WGS84	INSTANTANEOUS METHANE CONCENTRATION (ppmv)
MONITOR_ox_mtn_GRID_109_2021_Q4_Initial.csv	11/18/2021	109	116	37.496860	-122.411145	303.8
MONITOR_ox_mtn_GRID_130_2021_Q4_Initial.csv	11/18/2021	130	5	37.500225	-122.412643	245.3
MONITOR_ox_mtn_GRID_130_2021_Q4_Initial.csv	11/18/2021	130	8	37.500353	-122.412628	213.1
MONITOR_ox_mtn_GRID_130_2021_Q4_Initial.csv	11/18/2021	130	9	37.500395	-122.412625	327.1
MONITOR_ox_mtn_GRID_131_2021_Q4_Initial.csv	11/18/2021	131	103	37.499260	-122.412627	261.6
MONITOR_ox_mtn_GRID_131_2021_Q4_Initial.csv	11/18/2021	131	104	37.499297	-122.412632	273.3
MONITOR_ox_mtn_GRID_154_2021_Q4_Initial.csv	11/18/2021	154	6	37.502202	-122.414392	215.4
MONITOR_ox_mtn_GRID_18_2021_Q4_Initial.csv	11/16/2021	18	29	37.508032	-122.406933	243.8
MONITOR_ox_mtn_GRID_68_2021_Q4_Initial.csv	11/18/2021	68	34	37.497752	-122.409128	329.5
MONITOR_ox_mtn_GRID_83_2021_Q4_Initial.csv	11/18/2021	83	26	37.498260	-122.410003	228.1
MONITOR_ox_mtn_GRID_83_2021_Q4_Initial.csv	11/18/2021	83	27	37.498283	-122.410002	359.2
MONITOR_ox_mtn_GRID_83_2021_Q4_Initial.csv	11/18/2021	83	69	37.497935	-122.409832	487.1
MONITOR_ox_mtn_GRID_90_2021_Q4_Initial.csv	11/18/2021	90	89	37.498148	-122.410140	442.6
MONITOR_ox_mtn_GRID_93_2021_Q4_Initial.csv	11/18/2021	93	49	37.501507	-122.410720	263.5
MONITOR_ox_mtn_GRID_93_2021_Q4_Initial.csv	11/18/2021	93	50	37.501493	-122.410750	384.1
MONITOR_ox_mtn_GRID_96_2021_Q4_Initial.csv	11/18/2021	96	42	37.498573	-122.410533	200.3
MONITOR_ox_mtn_GRID_Perimeter_2021_Q4_Initial.csv	12/1/2021	Perimeter	362	37.499368	-122.408212	402.5
MONITOR_ox_mtn_GRID_Perimeter_2021_Q4_Initial.csv	12/1/2021	Perimeter	731	37.499535	-122.415263	332.0
MONITOR_ox_mtn_GRID_Perimeter_2021_Q4_Initial.csv	12/1/2021	Perimeter	732	37.499562	-122.415267	476.6
MONITOR_ox_mtn_GRID_Perimeter_2021_Q4_Initial.csv	12/1/2021	Perimeter	760	37.500498	-122.415163	212.4
MONITOR_ox_mtn_GRID_Perimeter_2021_Q4_Initial.csv	12/1/2021	Perimeter	960	37.505892	-122.408765	270.3
MONITOR_ox_mtn_GRID_Perimeter_2021_Q4_Initial.csv	12/1/2021	Perimeter	965	37.505995	-122.408718	365.5
MONITOR_ox_mtn_GRID_Perimeter_2021_Q4_Initial.csv	12/1/2021	Perimeter	1008	37.507158	-122.407848	254.1
MONITOR_ox_mtn_GRID_Perimeter_2021_Q4_Initial.csv	12/1/2021	Perimeter	1009	37.507153	-122.407850	402.4
MONITOR_OX_MTNwells_GRID_CP34_2021_Q4_Initial.csv	11/17/2021	CP34	1	37.499067	-122.411172	381.7
MONITOR_OX_MTNwells_GRID_CP35_2021_Q4_Initial.csv	11/17/2021	CP35	1	37.499012	-122.412130	336.5
MONITOR_OX_MTNwells_GRID_CP39_2021_Q4_Initial.csv	12/1/2021	CP39	1	37.499143	-122.415175	262.8
MONITOR_OX_MTNwells_GRID_CP77_2021_Q4_Initial.csv	12/1/2021	CP77	1	37.501695	-122.410267	455.2
MONITOR_OX_MTNwells_GRID_CP84_2021_Q4_Initial.csv	12/1/2021	CP84	1	37.499847	-122.407938	259.7
MONITOR_OX_MTNwells_GRID_EW189_2021_Q4_Initial.csv	11/30/2021	EW189	1	37.497078	-122.411680	222.1
MONITOR_OX_MTNwells_GRID_EW190_2021_Q4_Initial.csv	11/30/2021	EW190	1	37.497945	-122.411520	211.3
MONITOR_OX_MTNwells_GRID_EW2021_2021_Q4_Initial.csv	11/30/2021	EW2021	1	37.496770	-122.407915	223.0
MONITOR_OX_MTNwells_GRID_EW2028R_2021_Q4_Initial.csv	12/1/2021	EW2028R	1	37.500177	-122.409367	203.6
MONITOR_OX_MTNwells_GRID_EW2102V_2021_Q4_Initial.csv	11/16/2021	EW2102V	1	37.498848	-122.410990	246.6
MONITOR_OX_MTNwells_GRID_EWW05_2021_Q4_Initial.csv	11/30/2021	EWW05	1	37.505308	-122.408112	461.9

Table 4

SUMMARY OF INSTANTANEOUS MONITORING POINTS

METHANE CONCENTRATIONS ≥500 PPMV

(INCLUDING RETESTING RESULTS)

4Q2021 Ox Mountain Landfill

INITIAL MONITORING						FIRST 10DAY		SECOND 10DAY		MONTH CONFIRMATION	
LOCATION	DATE	POINT ID	LATITUDE WGS84	LONGITUDE WGS84	METHANE CONCENTRATION (ppmv)	DATE	METHANE CONCENTRATION (ppmv)	DATE	METHANE CONCENTRATION (ppmv)	DATE	METHANE CONCENTRATION (ppmv)
Grid 83	11/18/2021	71	37.497942	-122.409853	1247.0	11/24/2021	6.1	NA	NA	12/20/2021	0.0
CP3	11/30/2021	NA	37.496148	-122.411637	2696.5	12/17/2021	0.0	NA	NA	12/30/2021	0.0
CP17	11/30/2021	NA	37.497315	-122.413397	1061.4	12/17/2021	0.0	NA	NA	12/30/2021	0.0
CP21	12/1/2021	NA	37.500060	-122.415177	3079.3	12/17/2021	0.0	NA	NA	12/30/2021	0.0
CP28	12/1/2021	NA	37.499298	-122.411260	1305.8	12/17/2021	2.8	NA	NA	12/30/2021	2.0
CP60	12/1/2021	NA	37.501720	-122.410235	2453.7	12/17/2021	133.2	NA	NA	12/30/2021	4.2
CP79	12/1/2021	NA	37.499010	-122.410037	9452.1	12/17/2021	2.3	NA	NA	12/30/2021	25.5
EW1603	12/1/2021	NA	37.500918	-122.412250	1586.5	12/17/2021	0.0	NA	NA	12/30/2021	20.1
EW1901	11/30/2021	NA	37.496602	-122.410435	3422.1	12/17/2021	0.0	NA	NA	12/30/2021	0.0
EW1902	11/30/2021	NA	37.497373	-122.408878	958.6	12/17/2021	0.0	NA	NA	12/30/2021	0.0
EW1904	11/30/2021	NA	37.498200	-122.410118	804.0	12/17/2021	282.5	NA	NA	12/30/2021	27.2
EW2022	11/30/2021	NA	37.497780	-122.410137	720.8	12/17/2021	0.0	NA	NA	12/30/2021	0.0
EW2031	12/1/2021	NA	37.499498	-122.412577	1291.8	12/17/2021	31.5	NA	NA	12/30/2021	4.1
EW2102R	12/1/2021	NA	37.499282	-122.411312	2540.9	12/17/2021	370.2	NA	NA	12/30/2021	74.9
EW2106	12/1/2021	NA	37.502398	-122.411627	1040.2	12/17/2021	219.6	NA	NA	12/30/2021	226.9
EW309	11/30/2021	NA	37.497083	-122.409523	726.4	12/17/2021	17.8	NA	NA	12/30/2021	12.1
EW328	12/1/2021	NA	37.501495	-122.412140	2951.8	12/17/2021	7.3	NA	NA	12/30/2021	0.0
LCRS10 (CP82)	11/30/2021	NA	37.499318	-122.408235	6797.2	12/17/2021	1363.6	12/20/2021	980.2	12/30/2021	283.8
SUMP1	11/30/2021	NA	37.506130	-122.405995	918.3	12/17/2021	0.0	NA	NA	12/30/2021	0.0
Perimeter	12/1/2021	368	37.499247	-122.408207	1753.8	12/17/2021	147.0	NA	NA	12/30/2021	47.5
Perimeter	12/1/2021	734	37.499537	-122.415262	1827.4	12/17/2021	213.6	NA	NA	12/30/2021	10.1
Perimeter	12/1/2021	735	37.499652	-122.415262	1706.3	12/17/2021	3.4	NA	NA	12/30/2021	198.3

Ox Mountain Landfill - 4Q2021

Exceedance Map

Legend

- Instantaneous Point >= 500PPMV (Corrected)
- Integrated Grid > 25PPMV (Corrected)

SUMP1
LCRS10
#368
EW1902
EW309
CP29
D71
EW1904
EW2022
P60
EW1901
CP28
EW2102R
EW2106
P03
EW328
EW1603
EW2031
P17
CP21
#735
#734
Bfi Ox Mt Landfill Rd
Bfi Ox Mt Landfill Rd
Google Earth
1000 ft
N

APPENDIX C

INTEGRATED MONITORING RESULTS

Table 1

SUMMARY OF INTEGRATED GRID MONITORING

4Q2021 Ox Mountain Landfill

INITIAL MONITORING

FILE NAME	DATE	GRID NO.	INTEGRATED METHANE CONCENTRATION (ppmv)
MONITOR_ox_mtn_GRID_1_2021_Q4_Initial.csv	11/16/2021	1	0.1
MONITOR_ox_mtn_GRID_2_2021_Q4_Initial.csv	11/16/2021	2	0.5
MONITOR_ox_mtn_GRID_3_2021_Q4_Initial.csv	11/16/2021	3	0.3
MONITOR_ox_mtn_GRID_4_2021_Q4_Initial.csv	11/16/2021	4	0.0
MONITOR_ox_mtn_GRID_5_2021_Q4_Initial.csv	11/17/2021	5	0.1
MONITOR_ox_mtn_GRID_6_2021_Q4_Initial.csv	11/16/2021	6	0.0
MONITOR_ox_mtn_GRID_7_2021_Q4_Initial.csv	11/17/2021	7	0.2
MONITOR_ox_mtn_GRID_8_2021_Q4_Initial.csv	11/16/2021	8	2.1
MONITOR_ox_mtn_GRID_9_2021_Q4_Initial.csv	11/16/2021	9	0.7
MONITOR_ox_mtn_GRID_10_2021_Q4_Initial.csv	11/16/2021	10	0.0
MONITOR_ox_mtn_GRID_11_2021_Q4_Initial.csv	11/17/2021	11	0.2
MONITOR_ox_mtn_GRID_12_2021_Q4_Initial.csv	11/16/2021	12	0.2
MONITOR_ox_mtn_GRID_13_2021_Q4_Initial.csv	11/17/2021	13	0.2
MONITOR_ox_mtn_GRID_14_2021_Q4_Initial.csv	11/17/2021	14	0.6
MONITOR_ox_mtn_GRID_15_2021_Q4_Initial.csv	11/16/2021	15	1.8
MONITOR_ox_mtn_GRID_16_2021_Q4_Initial.csv	11/17/2021	16	0.1
MONITOR_ox_mtn_GRID_17_2021_Q4_Initial.csv	11/17/2021	17	0.1
MONITOR_ox_mtn_GRID_18_2021_Q4_Initial.csv	11/16/2021	18	8.6
MONITOR_ox_mtn_GRID_19_2021_Q4_Initial.csv	11/17/2021	19	0.0
MONITOR_ox_mtn_GRID_20_2021_Q4_Initial.csv	11/17/2021	20	0.1
MONITOR_ox_mtn_GRID_23_2021_Q4_Initial.csv	11/17/2021	23	3.1
MONITOR_ox_mtn_GRID_24_2021_Q4_Initial.csv	11/17/2021	24	0.1
MONITOR_ox_mtn_GRID_25_2021_Q4_Initial.csv	11/17/2021	25	0.1
MONITOR_ox_mtn_GRID_27_2021_Q4_Initial.csv	11/17/2021	27	0.2
MONITOR_ox_mtn_GRID_28_2021_Q4_Initial.csv	11/17/2021	28	0.1
MONITOR_ox_mtn_GRID_29_2021_Q4_Initial.csv	11/17/2021	29	0.1
MONITOR_ox_mtn_GRID_32_2021_Q4_Initial.csv	11/18/2021	32	5.7
MONITOR_ox_mtn_GRID_33_2021_Q4_Initial.csv	11/18/2021	33	2.2
MONITOR_ox_mtn_GRID_34_2021_Q4_Initial.csv	11/17/2021	34	1.0
MONITOR_ox_mtn_GRID_36_2021_Q4_Initial.csv	11/17/2021	36	0.2
MONITOR_ox_mtn_GRID_39_2021_Q4_Initial.csv	11/18/2021	39	2.5
MONITOR_ox_mtn_GRID_40_2021_Q4_Initial.csv	11/18/2021	40	3.2
MONITOR_ox_mtn_GRID_41_2021_Q4_Initial.csv	11/17/2021	41	0.7
MONITOR_ox_mtn_GRID_42_2021_Q4_Initial.csv	11/17/2021	42	6.3
MONITOR_ox_mtn_GRID_43_2021_Q4_Initial.csv	11/17/2021	43	0.0
MONITOR_ox_mtn_GRID_46_2021_Q4_Initial.csv	11/18/2021	46	4.7
MONITOR_ox_mtn_GRID_47_2021_Q4_Initial.csv	11/17/2021	47	5.9
MONITOR_ox_mtn_GRID_48_2021_Q4_Initial.csv	11/17/2021	48	1.0
MONITOR_ox_mtn_GRID_49_2021_Q4_Initial.csv	11/17/2021	49	0.1
MONITOR_ox_mtn_GRID_52_2021_Q4_Initial.csv	11/18/2021	52	9.2
MONITOR_ox_mtn_GRID_53_2021_Q4_Initial.csv	11/18/2021	53	2.5
MONITOR_ox_mtn_GRID_54_2021_Q4_Initial.csv	11/18/2021	54	1.1

Table 1

SUMMARY OF INTEGRATED GRID MONITORING

4Q2021 Ox Mountain Landfill

INITIAL MONITORING

FILE NAME	DATE	GRID NO.	INTEGRATED METHANE CONCENTRATION (ppmv)
MONITOR_ox_mtn_GRID_55_2021_Q4_Initial.csv	11/17/2021	55	0.8
MONITOR_ox_mtn_GRID_56_2021_Q4_Initial.csv	11/17/2021	56	0.1
MONITOR_ox_mtn_GRID_61_2021_Q4_Initial.csv	11/18/2021	61	12.8
MONITOR_ox_mtn_GRID_62_2021_Q4_Initial.csv	11/18/2021	62	3.0
MONITOR_ox_mtn_GRID_63_2021_Q4_Initial.csv	11/17/2021	63	0.1
MONITOR_ox_mtn_GRID_64_2021_Q4_Initial.csv	11/17/2021	64	1.3
MONITOR_ox_mtn_GRID_68_2021_Q4_Initial.csv	11/18/2021	68	21.8
MONITOR_ox_mtn_GRID_69_2021_Q4_Initial.csv	11/18/2021	69	1.2
MONITOR_ox_mtn_GRID_70_2021_Q4_Initial.csv	11/18/2021	70	0.2
MONITOR_ox_mtn_GRID_72_2021_Q4_Initial.csv	11/17/2021	72	1.1
MONITOR_ox_mtn_GRID_76_2021_Q4_Initial.csv	11/18/2021	76	24.8
MONITOR_ox_mtn_GRID_77_2021_Q4_Initial.csv	11/18/2021	77	2.6
MONITOR_ox_mtn_GRID_83_2021_Q4_Initial.csv	11/18/2021	83	29.9
MONITOR_ox_mtn_GRID_84_2021_Q4_Initial.csv	11/18/2021	84	2.5
MONITOR_ox_mtn_GRID_85_2021_Q4_Initial.csv	11/18/2021	85	0.0
MONITOR_ox_mtn_GRID_86_2021_Q4_Initial.csv	11/17/2021	86	6.3
MONITOR_ox_mtn_GRID_90_2021_Q4_Initial.csv	11/18/2021	90	18.4
MONITOR_ox_mtn_GRID_91_2021_Q4_Initial.csv	11/18/2021	91	0.9
MONITOR_ox_mtn_GRID_92_2021_Q4_Initial.csv	11/17/2021	92	8.9
MONITOR_ox_mtn_GRID_93_2021_Q4_Initial.csv	11/18/2021	93	28.9
MONITOR_ox_mtn_GRID_96_2021_Q4_Initial.csv	11/18/2021	96	13.0
MONITOR_ox_mtn_GRID_97_2021_Q4_Initial.csv	11/18/2021	97	0.3
MONITOR_ox_mtn_GRID_98_2021_Q4_Initial.csv	11/17/2021	98	9.4
MONITOR_ox_mtn_GRID_99_2021_Q4_Initial.csv	11/18/2021	99	7.0
MONITOR_ox_mtn_GRID_102_2021_Q4_Initial.csv	11/18/2021	102	8.4
MONITOR_ox_mtn_GRID_103_2021_Q4_Initial.csv	11/18/2021	103	1.8
MONITOR_ox_mtn_GRID_104_2021_Q4_Initial.csv	11/17/2021	104	10.6
MONITOR_ox_mtn_GRID_105_2021_Q4_Initial.csv	11/18/2021	105	13.7
MONITOR_ox_mtn_GRID_108_2021_Q4_Initial.csv	11/18/2021	108	14.5
MONITOR_ox_mtn_GRID_109_2021_Q4_Initial.csv	11/18/2021	109	8.1
MONITOR_ox_mtn_GRID_110_2021_Q4_Initial.csv	11/17/2021	110	5.2
MONITOR_ox_mtn_GRID_111_2021_Q4_Initial.csv	11/18/2021	111	15.7
MONITOR_ox_mtn_GRID_114_2021_Q4_Initial.csv	11/18/2021	114	7.1
MONITOR_ox_mtn_GRID_115_2021_Q4_Initial.csv	11/18/2021	115	0.4
MONITOR_ox_mtn_GRID_116_2021_Q4_Initial.csv	11/17/2021	116	5.3
MONITOR_ox_mtn_GRID_117_2021_Q4_Initial.csv	11/18/2021	117	5.4
MONITOR_ox_mtn_GRID_120_2021_Q4_Initial.csv	11/18/2021	120	3.3
MONITOR_ox_mtn_GRID_121_2021_Q4_Initial.csv	11/18/2021	121	0.1
MONITOR_ox_mtn_GRID_122_2021_Q4_Initial.csv	11/17/2021	122	10.3
MONITOR_ox_mtn_GRID_123_2021_Q4_Initial.csv	11/18/2021	123	4.2
MONITOR_ox_mtn_GRID_124_2021_Q4_Initial.csv	11/18/2021	124	21.8
MONITOR_ox_mtn_GRID_126_2021_Q4_Initial.csv	11/18/2021	126	1.1

Table 1

SUMMARY OF INTEGRATED GRID MONITORING

4Q2021 Ox Mountain Landfill

INITIAL MONITORING

FILE NAME	DATE	GRID NO.	INTEGRATED METHANE CONCENTRATION (ppmv)
MONITOR_ox_mtn_GRID_127_2021_Q4_Initial.csv	11/18/2021	127	0.2
MONITOR_ox_mtn_GRID_128_2021_Q4_Initial.csv	11/17/2021	128	4.0
MONITOR_ox_mtn_GRID_129_2021_Q4_Initial.csv	11/18/2021	129	1.3
MONITOR_ox_mtn_GRID_130_2021_Q4_Initial.csv	11/18/2021	130	15.6
MONITOR_ox_mtn_GRID_131_2021_Q4_Initial.csv	11/18/2021	131	23.1
MONITOR_ox_mtn_GRID_132_2021_Q4_Initial.csv	11/18/2021	132	4.1
MONITOR_ox_mtn_GRID_133_2021_Q4_Initial.csv	11/18/2021	133	2.0
MONITOR_ox_mtn_GRID_134_2021_Q4_Initial.csv	11/18/2021	134	0.6
MONITOR_ox_mtn_GRID_135_2021_Q4_Initial.csv	11/18/2021	135	0.3
MONITOR_ox_mtn_GRID_136_2021_Q4_Initial.csv	11/18/2021	136	1.3
MONITOR_ox_mtn_GRID_137_2021_Q4_Initial.csv	11/18/2021	137	5.1
MONITOR_ox_mtn_GRID_138_2021_Q4_Initial.csv	11/18/2021	138	1.6
MONITOR_ox_mtn_GRID_139_2021_Q4_Initial.csv	11/18/2021	139	3.4
MONITOR_ox_mtn_GRID_140_2021_Q4_Initial.csv	11/18/2021	140	5.3
MONITOR_ox_mtn_GRID_141_2021_Q4_Initial.csv	11/18/2021	141	0.7
MONITOR_ox_mtn_GRID_142_2021_Q4_Initial.csv	11/18/2021	142	4.2
MONITOR_ox_mtn_GRID_143_2021_Q4_Initial.csv	11/18/2021	143	0.0
MONITOR_ox_mtn_GRID_144_2021_Q4_Initial.csv	11/18/2021	144	7.5
MONITOR_ox_mtn_GRID_145_2021_Q4_Initial.csv	11/18/2021	145	4.2
MONITOR_ox_mtn_GRID_146_2021_Q4_Initial.csv	11/18/2021	146	0.6
MONITOR_ox_mtn_GRID_147_2021_Q4_Initial.csv	11/17/2021	147	0.3
MONITOR_ox_mtn_GRID_148_2021_Q4_Initial.csv	11/17/2021	148	0.0
MONITOR_ox_mtn_GRID_149_2021_Q4_Initial.csv	11/18/2021	149	3.4
MONITOR_ox_mtn_GRID_150_2021_Q4_Initial.csv	11/18/2021	150	1.3
MONITOR_ox_mtn_GRID_151_2021_Q4_Initial.csv	11/17/2021	151	0.2
MONITOR_ox_mtn_GRID_152_2021_Q4_Initial.csv	11/17/2021	152	1.3
MONITOR_ox_mtn_GRID_153_2021_Q4_Initial.csv	11/17/2021	153	0.0
MONITOR_ox_mtn_GRID_154_2021_Q4_Initial.csv	11/18/2021	154	24.4
MONITOR_ox_mtn_GRID_155_2021_Q4_Initial.csv	11/17/2021	155	0.1
MONITOR_ox_mtn_GRID_156_2021_Q4_Initial.csv	11/17/2021	156	1.0
MONITOR_ox_mtn_GRID_157_2021_Q4_Initial.csv	11/17/2021	157	0.0
MONITOR_ox_mtn_GRID_158_2021_Q4_Initial.csv	11/17/2021	158	0.0
MONITOR_ox_mtn_GRID_159_2021_Q4_Initial.csv	11/17/2021	159	0.0
MONITOR_ox_mtn_GRID_160_2021_Q4_Initial.csv	11/17/2021	160	0.1
MONITOR_ox_mtn_GRID_161_2021_Q4_Initial.csv	11/17/2021	161	0.0
MONITOR_ox_mtn_GRID_162_2021_Q4_Initial.csv	11/17/2021	162	0.0
MONITOR_ox_mtn_GRID_163_2021_Q4_Initial.csv	11/17/2021	163	7.7
MONITOR_ox_mtn_GRID_164_2021_Q4_Initial.csv	11/17/2021	164	5.9

Table 2

SUMMARY OF INTEGRATED GRID MONITORING
METHANE CONCENTRATIONS ≥25 PPMV
(INCLUDING RETESTING RESULTS)
4Q2021 Ox Mountain Landfill

INITIAL MONITORING			FIRST 10DAY		SECOND 10DAY	
LOCATION	DATE	METHANE CONCENTRATION (ppmv)	DATE	METHANE CONCENTRATION (ppmv)	DATE	METHANE CONCENTRATION (ppmv)
Grid 83	11/18/2021	29.9	11/24/2021	16.9	NA	NA
Grid 93	11/18/2021	28.9	11/24/2021	6.3	NA	NA

Ox Mountain Landfill - 4Q2021

Exceedance Map

Legend

- Instantaneous Point >= 500PPMV (Corrected)
- Integrated Grid > 25PPMV (Corrected)

SUMP1
LCRS10
#368
EW1902
EW309
CP29
D71
EW1904
EW2022
P60
EW1901
CP28
EW2102R
EW2106
P03
EW328
EW1603
EW2031
P17
CP21
#735
#734
Bfi Ox Mt Landfill Rd
Bfi Ox Mt Landfill Rd
Google Earth
1000 ft
N

APPENDIX D

CALIBRATION LOGS

TETRA TECH

SEM Calibration Summary
Ox Mountain
Q4 2021 SEM

MONITORING TYPE	OPERATOR NAME	INSTRUMENT ID	FILE SAVE TIME	AVG PRECISION (%)	AVG RESPONSE TIME (SECONDS)
VERIFICATION SUMMARY	FSI	842E140AC953	11/16/2021 8:09	-0.5	5.3

MONITORING TYPE	CAL GAS SERIAL NUMBER	CAL GAS TYPE	CAL GAS CONCENTRATION (ppmv)	DETECTOR CONCENTRATION (ppmv)	DIFFERENCE (ppmv)	DIFFERENCE (%)	ZERO AIR PPM	TIMESTAMP	INSTRUMENT ID
PRECISION MEASUREMENT		CH4 (Methane)	500	497	-3	-0.6	0	11/16/2021 8:05	842E140AC953
PRECISION MEASUREMENT		CH4 (Methane)	500	497.5	-2.5	-0.5	0	11/16/2021 8:05	842E140AC953
PRECISION MEASUREMENT		CH4 (Methane)	500	497.6	-2.4	-0.5	0	11/16/2021 8:06	842E140AC953

MONITORING TYPE	CAL GAS SERIAL NUMBER	CAL GAS TYPE	CAL GAS CONCENTRATION (ppmv)	TARGET CONCENTRATION (ppmv)	INITIAL CONCENTRATION (ppmv)	RESPONSE TIME (seconds)	TIMESTAMP	INSTRUMENT ID
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	472.5	0	5	11/16/2021 8:07	842E140AC953
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	472.5	0	5	11/16/2021 8:07	842E140AC953
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	472.5	0	6	11/16/2021 8:07	842E140AC953

MONITORING TYPE	OPERATOR NAME	INSTRUMENT ID	FILE SAVE TIME	AVG PRECISION (%)	AVG RESPONSE TIME (SECONDS)
VERIFICATION SUMMARY	FSI	886B0F62C147	11/16/2021 8:12	0	5

MONITORING TYPE	CAL GAS SERIAL NUMBER	CAL GAS TYPE	CAL GAS CONCENTRATION (ppmv)	DETECTOR CONCENTRATION (ppmv)	DIFFERENCE (ppmv)	DIFFERENCE (%)	ZERO AIR PPM	TIMESTAMP	INSTRUMENT ID
PRECISION MEASUREMENT		CH4 (Methane)	500	500.5	0.5	0.1	0	11/16/2021 8:10	886B0F62C147
PRECISION MEASUREMENT		CH4 (Methane)	500	498.7	-1.3	-0.3	0	11/16/2021 8:10	886B0F62C147
PRECISION MEASUREMENT		CH4 (Methane)	500	500.1	0.1	0	0	11/16/2021 8:10	886B0F62C147

MONITORING TYPE	CAL GAS SERIAL NUMBER	CAL GAS TYPE	CAL GAS CONCENTRATION (ppmv)	TARGET CONCENTRATION (ppmv)	INITIAL CONCENTRATION (ppmv)	RESPONSE TIME (seconds)	TIMESTAMP	INSTRUMENT ID
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	474.8	0	5	11/16/2021 8:11	886B0F62C147
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	474.8	0	5	11/16/2021 8:11	886B0F62C147
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	474.8	0	5	11/16/2021 8:12	886B0F62C147

MONITORING TYPE	OPERATOR NAME	INSTRUMENT ID	FILE SAVE TIME	AVG PRECISION (%)	AVG RESPONSE TIME (SECONDS)
VERIFICATION SUMMARY	joel	886B0FA6E68F	11/16/2021 8:22	-1.1	5.7

MONITORING TYPE	CAL GAS SERIAL NUMBER	CAL GAS TYPE	CAL GAS CONCENTRATION (ppmv)	DETECTOR CONCENTRATION (ppmv)	DIFFERENCE (ppmv)	DIFFERENCE (%)	ZERO AIR PPM	TIMESTAMP	INSTRUMENT ID
PRECISION MEASUREMENT		CH4 (Methane)	500	494.4	-5.6	-1.1	0	11/16/2021 8:19	886B0FA6E68F
PRECISION MEASUREMENT		CH4 (Methane)	500	494.4	-5.6	-1.1	0	11/16/2021 8:20	886B0FA6E68F
PRECISION MEASUREMENT		CH4 (Methane)	500	495	-5	-1	0	11/16/2021 8:20	886B0FA6E68F

MONITORING TYPE	CAL GAS SERIAL NUMBER	CAL GAS TYPE	CAL GAS CONCENTRATION (ppmv)	TARGET CONCENTRATION (ppmv)	INITIAL CONCENTRATION (ppmv)	RESPONSE TIME (seconds)	TIMESTAMP	INSTRUMENT ID
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	469.9	0	6	11/16/2021 8:21	886B0FA6E68F
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	469.9	0	5	11/16/2021 8:22	886B0FA6E68F
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	469.9	0	6	11/16/2021 8:22	886B0FA6E68F

MONITORING TYPE	OPERATOR NAME	INSTRUMENT ID	FILE SAVE TIME	AVG PRECISION (%)	AVG RESPONSE TIME (SECONDS)
VERIFICATION SUMMARY	FSI	886B0FA6E6F6	11/16/2021 9:29	-1.2	5.3

MONITORING TYPE	CAL GAS SERIAL NUMBER	CAL GAS TYPE	CAL GAS CONCENTRATION (ppmv)	DETECTOR CONCENTRATION (ppmv)	DIFFERENCE (ppmv)	DIFFERENCE (%)	ZERO AIR PPM	TIMESTAMP	INSTRUMENT ID
PRECISION MEASUREMENT		CH4 (Methane)	500	494.7	-5.3	-1.1	0	11/16/2021 9:27	886B0FA6E6F6
PRECISION MEASUREMENT		CH4 (Methane)	500	493.4	-6.6	-1.3	0	11/16/2021 9:27	886B0FA6E6F6
PRECISION MEASUREMENT		CH4 (Methane)	500	493.4	-6.6	-1.3	0	11/16/2021 9:28	886B0FA6E6F6

MONITORING TYPE	CAL GAS SERIAL NUMBER	CAL GAS TYPE	CAL GAS CONCENTRATION (ppmv)	TARGET CONCENTRATION (ppmv)	INITIAL CONCENTRATION (ppmv)	RESPONSE TIME (seconds)	TIMESTAMP	INSTRUMENT ID
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	469.1	0	6	11/16/2021 9:28	886B0FA6E6F6
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	469.1	104.7	5	11/16/2021 9:29	886B0FA6E6F6
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	469.1	0	5	11/16/2021 9:29	886B0FA6E6F6

MONITORING TYPE	OPERATOR NAME	INSTRUMENT ID	FILE SAVE TIME	AVG PRECISION (%)	AVG RESPONSE TIME (SECONDS)
VERIFICATION SUMMARY	FSI	842E140AC953	11/17/2021 8:15	-0.3	5.3

MONITORING TYPE	CAL GAS SERIAL NUMBER	CAL GAS TYPE	CAL GAS CONCENTRATION (ppmv)	DETECTOR CONCENTRATION (ppmv)	DIFFERENCE (ppmv)	DIFFERENCE (%)	ZERO AIR PPM	TIMESTAMP	INSTRUMENT ID
PRECISION MEASUREMENT		CH4 (Methane)	500	498.8	-1.2	-0.2	0	11/17/2021 8:10	842E140AC953
PRECISION MEASUREMENT		CH4 (Methane)	500	498.9	-1.1	-0.2	0	11/17/2021 8:10	842E140AC953
PRECISION MEASUREMENT		CH4 (Methane)	500	498	-2	-0.4	0	11/17/2021 8:11	842E140AC953

MONITORING TYPE	CAL GAS SERIAL NUMBER	CAL GAS TYPE	CAL GAS CONCENTRATION (ppmv)	TARGET CONCENTRATION (ppmv)	INITIAL CONCENTRATION (ppmv)	RESPONSE TIME (seconds)	TIMESTAMP	INSTRUMENT ID
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	473.6	0	5	11/17/2021 8:13	842E140AC953
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	473.6	0	5	11/17/2021 8:14	842E140AC953
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	473.6	0	6	11/17/2021 8:15	842E140AC953

MONITORING TYPE	OPERATOR NAME	INSTRUMENT ID	FILE SAVE TIME	AVG PRECISION (%)	AVG RESPONSE TIME (SECONDS)
VERIFICATION SUMMARY	joel	886B0FA6E68F	11/17/2021 8:31	-1.9	6

MONITORING TYPE	CAL GAS SERIAL NUMBER	CAL GAS TYPE	CAL GAS CONCENTRATION (ppmv)	DETECTOR CONCENTRATION (ppmv)	DIFFERENCE (ppmv)	DIFFERENCE (%)	ZERO AIR PPM	TIMESTAMP	INSTRUMENT ID
PRECISION MEASUREMENT		CH4 (Methane)	500	490.8	-9.2	-1.8	0	11/17/2021 8:29	886B0FA6E68F
PRECISION MEASUREMENT		CH4 (Methane)	500	490	-10	-2	0	11/17/2021 8:29	886B0FA6E68F
PRECISION MEASUREMENT		CH4 (Methane)	500	490.6	-9.4	-1.9	0	11/17/2021 8:30	886B0FA6E68F

MONITORING TYPE	CAL GAS SERIAL NUMBER	CAL GAS TYPE	CAL GAS CONCENTRATION (ppmv)	TARGET CONCENTRATION (ppmv)	INITIAL CONCENTRATION (ppmv)	RESPONSE TIME (seconds)	TIMESTAMP	INSTRUMENT ID
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	465.9	0	6	11/17/2021 8:30	886B0FA6E68F
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	465.9	0	6	11/17/2021 8:30	886B0FA6E68F
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	465.9	0	6	11/17/2021 8:31	886B0FA6E68F

MONITORING TYPE	OPERATOR NAME	INSTRUMENT ID	FILE SAVE TIME	AVG PRECISION (%)	AVG RESPONSE TIME (SECONDS)
VERIFICATION SUMMARY	FSI	886B0F62C147	11/17/2021 8:33	0.1	5

MONITORING TYPE	CAL GAS SERIAL NUMBER	CAL GAS TYPE	CAL GAS CONCENTRATION (ppmv)	DETECTOR CONCENTRATION (ppmv)	DIFFERENCE (ppmv)	DIFFERENCE (%)	ZERO AIR PPM	TIMESTAMP	INSTRUMENT ID
PRECISION MEASUREMENT		CH4 (Methane)	500	502.5	2.5	0.5	0	11/17/2021 8:27	886B0F62C147
PRECISION MEASUREMENT		CH4 (Methane)	500	499.8	-0.2	0	0	11/17/2021 8:31	886B0F62C147
PRECISION MEASUREMENT		CH4 (Methane)	500	499.5	-0.5	-0.1	0	11/17/2021 8:31	886B0F62C147

MONITORING TYPE	CAL GAS SERIAL NUMBER	CAL GAS TYPE	CAL GAS CONCENTRATION (ppmv)	TARGET CONCENTRATION (ppmv)	INITIAL CONCENTRATION (ppmv)	RESPONSE TIME (seconds)	TIMESTAMP	INSTRUMENT ID
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	475.6	0	5	11/17/2021 8:32	886B0F62C147
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	475.6	0	5	11/17/2021 8:32	886B0F62C147
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	475.6	0	5	11/17/2021 8:33	886B0F62C147

MONITORING TYPE	OPERATOR NAME	INSTRUMENT ID	FILE SAVE TIME	AVG PRECISION (%)	AVG RESPONSE TIME (SECONDS)
VERIFICATION SUMMARY	FSI	886B0FA6E6F6	11/17/2021 9:35	-1	4.7

MONITORING TYPE	CAL GAS SERIAL NUMBER	CAL GAS TYPE	CAL GAS CONCENTRATION (ppmv)	DETECTOR CONCENTRATION (ppmv)	DIFFERENCE (ppmv)	DIFFERENCE (%)	ZERO AIR PPM	TIMESTAMP	INSTRUMENT ID
PRECISION MEASUREMENT		CH4 (Methane)	500	492.8	-7.2	-1.4	0	11/17/2021 9:33	886B0FA6E6F6
PRECISION MEASUREMENT		CH4 (Methane)	500	496.8	-3.2	-0.6	0	11/17/2021 9:34	886B0FA6E6F6
PRECISION MEASUREMENT		CH4 (Methane)	500	496.1	-3.9	-0.8	0	11/17/2021 9:34	886B0FA6E6F6

MONITORING TYPE	CAL GAS SERIAL NUMBER	CAL GAS TYPE	CAL GAS CONCENTRATION (ppmv)	TARGET CONCENTRATION (ppmv)	INITIAL CONCENTRATION (ppmv)	RESPONSE TIME (seconds)	TIMESTAMP	INSTRUMENT ID
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	470.5	0	5	11/17/2021 9:34	886B0FA6E6F6
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	470.5	2	4	11/17/2021 9:35	886B0FA6E6F6
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	470.5	0	5	11/17/2021 9:35	886B0FA6E6F6

MONITORING TYPE	OPERATOR NAME	INSTRUMENT ID	FILE SAVE TIME	AVG PRECISION (%)	AVG RESPONSE TIME (SECONDS)
VERIFICATION SUMMARY	FSI	842E140AC953	11/18/2021 8:16	-0.4	5

MONITORING TYPE	CAL GAS SERIAL NUMBER	CAL GAS TYPE	CAL GAS CONCENTRATION (ppmv)	DETECTOR CONCENTRATION (ppmv)	DIFFERENCE (ppmv)	DIFFERENCE (%)	ZERO AIR PPM	TIMESTAMP	INSTRUMENT ID
PRECISION MEASUREMENT		CH4 (Methane)	500	497.7	-2.3	-0.5	0	11/18/2021 8:09	842E140AC953
PRECISION MEASUREMENT		CH4 (Methane)	500	498.4	-1.6	-0.3	0	11/18/2021 8:09	842E140AC953
PRECISION MEASUREMENT		CH4 (Methane)	500	497.8	-2.2	-0.4	0	11/18/2021 8:10	842E140AC953

MONITORING TYPE	CAL GAS SERIAL NUMBER	CAL GAS TYPE	CAL GAS CONCENTRATION (ppmv)	TARGET CONCENTRATION (ppmv)	INITIAL CONCENTRATION (ppmv)	RESPONSE TIME (seconds)	TIMESTAMP	INSTRUMENT ID
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	473.1	0	4	11/18/2021 8:11	842E140AC953
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	473.1	0	6	11/18/2021 8:12	842E140AC953
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	473.1	0	5	11/18/2021 8:13	842E140AC953

MONITORING TYPE	OPERATOR NAME	INSTRUMENT ID	FILE SAVE TIME	AVG PRECISION (%)	AVG RESPONSE TIME (SECONDS)
VERIFICATION SUMMARY	FSI	886B0F62C147	11/18/2021 8:03	-0.2	4.7

MONITORING TYPE	CAL GAS SERIAL NUMBER	CAL GAS TYPE	CAL GAS CONCENTRATION (ppmv)	DETECTOR CONCENTRATION (ppmv)	DIFFERENCE (ppmv)	DIFFERENCE (%)	ZERO AIR PPM	TIMESTAMP	INSTRUMENT ID
PRECISION MEASUREMENT		CH4 (Methane)	500	498.1	-1.9	-0.4	0	11/18/2021 8:01	886B0F62C147
PRECISION MEASUREMENT		CH4 (Methane)	500	500.1	0.1	0	0	11/18/2021 8:01	886B0F62C147
PRECISION MEASUREMENT		CH4 (Methane)	500	498.4	-1.6	-0.3	0	11/18/2021 8:02	886B0F62C147

MONITORING TYPE	CAL GAS SERIAL NUMBER	CAL GAS TYPE	CAL GAS CONCENTRATION (ppmv)	TARGET CONCENTRATION (ppmv)	INITIAL CONCENTRATION (ppmv)	RESPONSE TIME (seconds)	TIMESTAMP	INSTRUMENT ID
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	473.9	0	4	11/18/2021 8:02	886B0F62C147
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	473.9	0	5	11/18/2021 8:02	886B0F62C147
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	473.9	0	5	11/18/2021 8:03	886B0F62C147

MONITORING TYPE	OPERATOR NAME	INSTRUMENT ID	FILE SAVE TIME	AVG PRECISION (%)	AVG RESPONSE TIME (SECONDS)
VERIFICATION SUMMARY	FSI	886B0FA6E6F6	11/18/2021 9:22	-1	5

MONITORING TYPE	CAL GAS SERIAL NUMBER	CAL GAS TYPE	CAL GAS CONCENTRATION (ppmv)	DETECTOR CONCENTRATION (ppmv)	DIFFERENCE (ppmv)	DIFFERENCE (%)	ZERO AIR PPM	TIMESTAMP	INSTRUMENT ID
PRECISION MEASUREMENT		CH4 (Methane)	500	495	-5	-1	0	11/18/2021 9:20	886B0FA6E6F6
PRECISION MEASUREMENT		CH4 (Methane)	500	494.2	-5.8	-1.2	0	11/18/2021 9:21	886B0FA6E6F6
PRECISION MEASUREMENT		CH4 (Methane)	500	496.4	-3.6	-0.7	0	11/18/2021 9:21	886B0FA6E6F6

MONITORING TYPE	CAL GAS SERIAL NUMBER	CAL GAS TYPE	CAL GAS CONCENTRATION (ppmv)	TARGET CONCENTRATION (ppmv)	INITIAL CONCENTRATION (ppmv)	RESPONSE TIME (seconds)	TIMESTAMP	INSTRUMENT ID
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	470.4	1	6	11/18/2021 9:21	886B0FA6E6F6
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	470.4	0	5	11/18/2021 9:22	886B0FA6E6F6
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	470.4	0	4	11/18/2021 9:22	886B0FA6E6F6

MONITORING TYPE	OPERATOR NAME	INSTRUMENT ID	FILE SAVE TIME	AVG PRECISION (%)	AVG RESPONSE TIME (SECONDS)
VERIFICATION SUMMARY	FSI	886B0FA6E68F	11/24/2021 9:53	-1.2	6.7

MONITORING TYPE	CAL GAS SERIAL NUMBER	CAL GAS TYPE	CAL GAS CONCENTRATION (ppmv)	DETECTOR CONCENTRATION (ppmv)	DIFFERENCE (ppmv)	DIFFERENCE (%)	ZERO AIR PPM	TIMESTAMP	INSTRUMENT ID
PRECISION MEASUREMENT		CH4 (Methane)	500	493.8	-6.2	-1.2	0	11/24/2021 9:50	886B0FA6E68F
PRECISION MEASUREMENT		CH4 (Methane)	500	495.1	-4.9	-1	0	11/24/2021 9:51	886B0FA6E68F
PRECISION MEASUREMENT		CH4 (Methane)	500	493.7	-6.3	-1.3	0	11/24/2021 9:51	886B0FA6E68F

MONITORING TYPE	CAL GAS SERIAL NUMBER	CAL GAS TYPE	CAL GAS CONCENTRATION (ppmv)	TARGET CONCENTRATION (ppmv)	INITIAL CONCENTRATION (ppmv)	RESPONSE TIME (seconds)	TIMESTAMP	INSTRUMENT ID
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	469.5	0	7	11/24/2021 9:52	886B0FA6E68F
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	469.5	0	6	11/24/2021 9:52	886B0FA6E68F
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	469.5	0	7	11/24/2021 9:52	886B0FA6E68F

MONITORING TYPE	OPERATOR NAME	INSTRUMENT ID	FILE SAVE TIME	AVG PRECISION (%)	AVG RESPONSE TIME (SECONDS)
VERIFICATION SUMMARY	FSI	842E140AC953	11/24/2021 10:00	-0.4	5.3

MONITORING TYPE	CAL GAS SERIAL NUMBER	CAL GAS TYPE	CAL GAS CONCENTRATION (ppmv)	DETECTOR CONCENTRATION (ppmv)	DIFFERENCE (ppmv)	DIFFERENCE (%)	ZERO AIR PPM	TIMESTAMP	INSTRUMENT ID
PRECISION MEASUREMENT		CH4 (Methane)	500	498.4	-1.6	-0.3	0	11/24/2021 9:56	842E140AC953
PRECISION MEASUREMENT		CH4 (Methane)	500	497.5	-2.5	-0.5	0	11/24/2021 9:56	842E140AC953
PRECISION MEASUREMENT		CH4 (Methane)	500	497.6	-2.4	-0.5	0	11/24/2021 9:57	842E140AC953

MONITORING TYPE	CAL GAS SERIAL NUMBER	CAL GAS TYPE	CAL GAS CONCENTRATION (ppmv)	TARGET CONCENTRATION (ppmv)	INITIAL CONCENTRATION (ppmv)	RESPONSE TIME (seconds)	TIMESTAMP	INSTRUMENT ID
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	472.9	0	5	11/24/2021 9:58	842E140AC953
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	472.9	0	6	11/24/2021 9:59	842E140AC953
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	472.9	0	5	11/24/2021 9:59	842E140AC953

MONITORING TYPE	OPERATOR NAME	INSTRUMENT ID	FILE SAVE TIME	AVG PRECISION (%)	AVG RESPONSE TIME (SECONDS)
VERIFICATION SUMMARY	FSI	842E140AC953	11/30/2021 8:12	-0.2	5.3

MONITORING TYPE	CAL GAS SERIAL NUMBER	CAL GAS TYPE	CAL GAS CONCENTRATION (ppmv)	DETECTOR CONCENTRATION (ppmv)	DIFFERENCE (ppmv)	DIFFERENCE (%)	ZERO AIR PPM	TIMESTAMP	INSTRUMENT ID
PRECISION MEASUREMENT		CH4 (Methane)	500	499.9	-0.1	0	0	11/30/2021 8:09	842E140AC953
PRECISION MEASUREMENT		CH4 (Methane)	500	497.6	-2.4	-0.5	0	11/30/2021 8:09	842E140AC953
PRECISION MEASUREMENT		CH4 (Methane)	500	499.4	-0.6	-0.1	0	11/30/2021 8:10	842E140AC953

MONITORING TYPE	CAL GAS SERIAL NUMBER	CAL GAS TYPE	CAL GAS CONCENTRATION (ppmv)	TARGET CONCENTRATION (ppmv)	INITIAL CONCENTRATION (ppmv)	RESPONSE TIME (seconds)	TIMESTAMP	INSTRUMENT ID
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	474	0	5	11/30/2021 8:12	842E140AC953
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	474	0	5	11/30/2021 8:12	842E140AC953
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	474	0	6	11/30/2021 8:12	842E140AC953

MONITORING TYPE	OPERATOR NAME	INSTRUMENT ID	FILE SAVE TIME	AVG PRECISION (%)	AVG RESPONSE TIME (SECONDS)
VERIFICATION SUMMARY	FSI	886B0FA6E6F6	11/30/2021 9:18	-1	5.7

MONITORING TYPE	CAL GAS SERIAL NUMBER	CAL GAS TYPE	CAL GAS CONCENTRATION (ppmv)	DETECTOR CONCENTRATION (ppmv)	DIFFERENCE (ppmv)	DIFFERENCE (%)	ZERO AIR PPM	TIMESTAMP	INSTRUMENT ID
PRECISION MEASUREMENT		CH4 (Methane)	500	493.4	-6.6	-1.3	0	11/30/2021 9:16	886B0FA6E6F6
PRECISION MEASUREMENT		CH4 (Methane)	500	495	-5	-1	0	11/30/2021 9:16	886B0FA6E6F6
PRECISION MEASUREMENT		CH4 (Methane)	500	496.8	-3.2	-0.6	0	11/30/2021 9:17	886B0FA6E6F6

MONITORING TYPE	CAL GAS SERIAL NUMBER	CAL GAS TYPE	CAL GAS CONCENTRATION (ppmv)	TARGET CONCENTRATION (ppmv)	INITIAL CONCENTRATION (ppmv)	RESPONSE TIME (seconds)	TIMESTAMP	INSTRUMENT ID
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	470.3	0	6	11/30/2021 9:17	886B0FA6E6F6
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	470.3	0	6	11/30/2021 9:18	886B0FA6E6F6
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	470.3	0	5	11/30/2021 9:18	886B0FA6E6F6

MONITORING TYPE	OPERATOR NAME	INSTRUMENT ID	FILE SAVE TIME	AVG PRECISION (%)	AVG RESPONSE TIME (SECONDS)
VERIFICATION SUMMARY	FSI	842E140AC953	12/1/2021 8:17	0.1	5.7

MONITORING TYPE	CAL GAS SERIAL NUMBER	CAL GAS TYPE	CAL GAS CONCENTRATION (ppmv)	DETECTOR CONCENTRATION (ppmv)	DIFFERENCE (ppmv)	DIFFERENCE (%)	ZERO AIR PPM	TIMESTAMP	INSTRUMENT ID
PRECISION MEASUREMENT		CH4 (Methane)	500	500	0	0	0	12/1/2021 8:15	842E140AC953
PRECISION MEASUREMENT		CH4 (Methane)	500	500.5	0.5	0.1	0	12/1/2021 8:15	842E140AC953
PRECISION MEASUREMENT		CH4 (Methane)	500	500.4	0.4	0.1	0	12/1/2021 8:15	842E140AC953

MONITORING TYPE	CAL GAS SERIAL NUMBER	CAL GAS TYPE	CAL GAS CONCENTRATION (ppmv)	TARGET CONCENTRATION (ppmv)	INITIAL CONCENTRATION (ppmv)	RESPONSE TIME (seconds)	TIMESTAMP	INSTRUMENT ID
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	475.3	0	5	12/1/2021 8:17	842E140AC953
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	475.3	0	6	12/1/2021 8:17	842E140AC953
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	475.3	0	6	12/1/2021 8:17	842E140AC953

MONITORING TYPE	OPERATOR NAME	INSTRUMENT ID	FILE SAVE TIME	AVG PRECISION (%)	AVG RESPONSE TIME (SECONDS)
VERIFICATION SUMMARY	FSI	886B0FA6E68F	12/1/2021 8:35	-0.8	6.7

MONITORING TYPE	CAL GAS SERIAL NUMBER	CAL GAS TYPE	CAL GAS CONCENTRATION (ppmv)	DETECTOR CONCENTRATION (ppmv)	DIFFERENCE (ppmv)	DIFFERENCE (%)	ZERO AIR PPM	TIMESTAMP	INSTRUMENT ID
PRECISION MEASUREMENT		CH4 (Methane)	500	496.6	-3.4	-0.7	0	12/1/2021 8:32	886B0FA6E68F
PRECISION MEASUREMENT		CH4 (Methane)	500	493	-7	-1.4	0	12/1/2021 8:32	886B0FA6E68F
PRECISION MEASUREMENT		CH4 (Methane)	500	497.8	-2.2	-0.4	0	12/1/2021 8:33	886B0FA6E68F

MONITORING TYPE	CAL GAS SERIAL NUMBER	CAL GAS TYPE	CAL GAS CONCENTRATION (ppmv)	TARGET CONCENTRATION (ppmv)	INITIAL CONCENTRATION (ppmv)	RESPONSE TIME (seconds)	TIMESTAMP	INSTRUMENT ID
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	471	0	7	12/1/2021 8:33	886B0FA6E68F
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	471	0	6	12/1/2021 8:33	886B0FA6E68F
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	471	0	7	12/1/2021 8:35	886B0FA6E68F

MONITORING TYPE	OPERATOR NAME	INSTRUMENT ID	FILE SAVE TIME	AVG PRECISION (%)	AVG RESPONSE TIME (SECONDS)
VERIFICATION SUMMARY	FSI	886B0FA6E6F6	12/1/2021 9:36	-1.1	6

MONITORING TYPE	CAL GAS SERIAL NUMBER	CAL GAS TYPE	CAL GAS CONCENTRATION (ppmv)	DETECTOR CONCENTRATION (ppmv)	DIFFERENCE (ppmv)	DIFFERENCE (%)	ZERO AIR PPM	TIMESTAMP	INSTRUMENT ID
PRECISION MEASUREMENT		CH4 (Methane)	500	492.6	-7.4	-1.5	0	12/1/2021 9:34	886B0FA6E6F6
PRECISION MEASUREMENT		CH4 (Methane)	500	493.7	-6.3	-1.3	0	12/1/2021 9:34	886B0FA6E6F6
PRECISION MEASUREMENT		CH4 (Methane)	500	497	-3	-0.6	0	12/1/2021 9:35	886B0FA6E6F6

MONITORING TYPE	CAL GAS SERIAL NUMBER	CAL GAS TYPE	CAL GAS CONCENTRATION (ppmv)	TARGET CONCENTRATION (ppmv)	INITIAL CONCENTRATION (ppmv)	RESPONSE TIME (seconds)	TIMESTAMP	INSTRUMENT ID
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	469.7	0	6	12/1/2021 9:35	886B0FA6E6F6
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	469.7	0	6	12/1/2021 9:36	886B0FA6E6F6
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	469.7	0	6	12/1/2021 9:36	886B0FA6E6F6

MONITORING TYPE	OPERATOR NAME	INSTRUMENT ID	FILE SAVE TIME	AVG PRECISION (%)	AVG RESPONSE TIME (SECONDS)
VERIFICATION SUMMARY	FSI	000780DABAC4	12/2/2021 8:04	-0.6	4.7

MONITORING TYPE	CAL GAS SERIAL NUMBER	CAL GAS TYPE	CAL GAS CONCENTRATION (ppmv)	DETECTOR CONCENTRATION (ppmv)	DIFFERENCE (ppmv)	DIFFERENCE (%)	ZERO AIR PPM	TIMESTAMP	INSTRUMENT ID
PRECISION MEASUREMENT		CH4 (Methane)	500	496.8	-3.2	-0.6	0	12/2/2021 8:02	000780DABAC4
PRECISION MEASUREMENT		CH4 (Methane)	500	496.3	-3.7	-0.7	0	12/2/2021 8:03	000780DABAC4
PRECISION MEASUREMENT		CH4 (Methane)	500	498.6	-1.4	-0.3	0	12/2/2021 8:03	000780DABAC4

MONITORING TYPE	CAL GAS SERIAL NUMBER	CAL GAS TYPE	CAL GAS CONCENTRATION (ppmv)	TARGET CONCENTRATION (ppmv)	INITIAL CONCENTRATION (ppmv)	RESPONSE TIME (seconds)	TIMESTAMP	INSTRUMENT ID
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	472.4	0	4	12/2/2021 8:03	000780DABAC4
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	472.4	0	5	12/2/2021 8:04	000780DABAC4
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	472.4	0	5	12/2/2021 8:04	000780DABAC4

MONITORING TYPE	OPERATOR NAME	INSTRUMENT ID	FILE SAVE TIME	AVG PRECISION (%)	AVG RESPONSE TIME (SECONDS)
VERIFICATION SUMMARY	FSI	886B0FA6E68F	12/2/2021 9:31	-0.9	5

MONITORING TYPE	CAL GAS SERIAL NUMBER	CAL GAS TYPE	CAL GAS CONCENTRATION (ppmv)	DETECTOR CONCENTRATION (ppmv)	DIFFERENCE (ppmv)	DIFFERENCE (%)	ZERO AIR PPM	TIMESTAMP	INSTRUMENT ID
PRECISION MEASUREMENT		CH4 (Methane)	500	496	-4	-0.8	0	12/2/2021 9:26	886B0FA6E68F
PRECISION MEASUREMENT		CH4 (Methane)	500	495.9	-4.1	-0.8	0	12/2/2021 9:27	886B0FA6E68F
PRECISION MEASUREMENT		CH4 (Methane)	500	495	-5	-1	0	12/2/2021 9:27	886B0FA6E68F

MONITORING TYPE	CAL GAS SERIAL NUMBER	CAL GAS TYPE	CAL GAS CONCENTRATION (ppmv)	TARGET CONCENTRATION (ppmv)	INITIAL CONCENTRATION (ppmv)	RESPONSE TIME (seconds)	TIMESTAMP	INSTRUMENT ID
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	470.9	0	5	12/2/2021 9:29	886B0FA6E68F
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	470.9	0	5	12/2/2021 9:30	886B0FA6E68F
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	470.9	0	5	12/2/2021 9:30	886B0FA6E68F

MONITORING TYPE	OPERATOR NAME	INSTRUMENT ID	FILE SAVE TIME	AVG PRECISION (%)	AVG RESPONSE TIME (SECONDS)
VERIFICATION SUMMARY	FSI	842E140AC953	12/2/2021 10:15	-0.4	4.7

MONITORING TYPE	CAL GAS SERIAL NUMBER	CAL GAS TYPE	CAL GAS CONCENTRATION (ppmv)	DETECTOR CONCENTRATION (ppmv)	DIFFERENCE (ppmv)	DIFFERENCE (%)	ZERO AIR PPM	TIMESTAMP	INSTRUMENT ID
PRECISION MEASUREMENT		CH4 (Methane)	500	498.5	-1.5	-0.3	0	12/2/2021 10:12	842E140AC953
PRECISION MEASUREMENT		CH4 (Methane)	500	497.7	-2.3	-0.5	0	12/2/2021 10:13	842E140AC953
PRECISION MEASUREMENT		CH4 (Methane)	500	497.9	-2.1	-0.4	0	12/2/2021 10:13	842E140AC953

MONITORING TYPE	CAL GAS SERIAL NUMBER	CAL GAS TYPE	CAL GAS CONCENTRATION (ppmv)	TARGET CONCENTRATION (ppmv)	INITIAL CONCENTRATION (ppmv)	RESPONSE TIME (seconds)	TIMESTAMP	INSTRUMENT ID
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	473.1	0	4	12/2/2021 10:14	842E140AC953
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	473.1	0	5	12/2/2021 10:14	842E140AC953
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	473.1	0	5	12/2/2021 10:14	842E140AC953

MONITORING TYPE	OPERATOR NAME	INSTRUMENT ID	FILE SAVE TIME	AVG PRECISION (%)	AVG RESPONSE TIME (SECONDS)
VERIFICATION SUMMARY	FSI	886B0F62C147	12/17/2021 8:51	-0.5	4.7

MONITORING TYPE	CAL GAS SERIAL NUMBER	CAL GAS TYPE	CAL GAS CONCENTRATION (ppmv)	DETECTOR CONCENTRATION (ppmv)	DIFFERENCE (ppmv)	DIFFERENCE (%)	ZERO AIR PPM	TIMESTAMP	INSTRUMENT ID
PRECISION MEASUREMENT		CH4 (Methane)	500	496.9	-3.1	-0.6	0	12/17/2021 8:49	886B0F62C147
PRECISION MEASUREMENT		CH4 (Methane)	500	496.7	-3.3	-0.7	0	12/17/2021 8:50	886B0F62C147
PRECISION MEASUREMENT		CH4 (Methane)	500	499	-1	-0.2	0	12/17/2021 8:50	886B0F62C147

MONITORING TYPE	CAL GAS SERIAL NUMBER	CAL GAS TYPE	CAL GAS CONCENTRATION (ppmv)	TARGET CONCENTRATION (ppmv)	INITIAL CONCENTRATION (ppmv)	RESPONSE TIME (seconds)	TIMESTAMP	INSTRUMENT ID
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	472.7	0	4	12/17/2021 8:51	886B0F62C147
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	472.7	0	5	12/17/2021 8:51	886B0F62C147
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	472.7	0	5	12/17/2021 8:51	886B0F62C147

MONITORING TYPE	OPERATOR NAME	INSTRUMENT ID	FILE SAVE TIME	AVG PRECISION (%)	AVG RESPONSE TIME (SECONDS)
VERIFICATION SUMMARY	FSI	886B0FA6E68F	12/17/2021 8:45	0.5	7.3

MONITORING TYPE	CAL GAS SERIAL NUMBER	CAL GAS TYPE	CAL GAS CONCENTRATION (ppmv)	DETECTOR CONCENTRATION (ppmv)	DIFFERENCE (ppmv)	DIFFERENCE (%)	ZERO AIR PPM	TIMESTAMP	INSTRUMENT ID
PRECISION MEASUREMENT		CH4 (Methane)	500	501.2	1.2	0.2	0	12/17/2021 8:42	886B0FA6E68F
PRECISION MEASUREMENT		CH4 (Methane)	500	501.4	1.4	0.3	0	12/17/2021 8:43	886B0FA6E68F
PRECISION MEASUREMENT		CH4 (Methane)	500	504.3	4.3	0.9	0	12/17/2021 8:43	886B0FA6E68F

MONITORING TYPE	CAL GAS SERIAL NUMBER	CAL GAS TYPE	CAL GAS CONCENTRATION (ppmv)	TARGET CONCENTRATION (ppmv)	INITIAL CONCENTRATION (ppmv)	RESPONSE TIME (seconds)	TIMESTAMP	INSTRUMENT ID
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	477.2	0	7	12/17/2021 8:44	886B0FA6E68F
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	477.2	0	7	12/17/2021 8:44	886B0FA6E68F
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	477.2	0	8	12/17/2021 8:44	886B0FA6E68F

MONITORING TYPE	OPERATOR NAME	INSTRUMENT ID	FILE SAVE TIME	AVG PRECISION (%)	AVG RESPONSE TIME (SECONDS)
VERIFICATION SUMMARY	fsi	000780DABAC4	12/20/2021 9:42	0	5.3

MONITORING TYPE	CAL GAS SERIAL NUMBER	CAL GAS TYPE	CAL GAS CONCENTRATION (ppmv)	DETECTOR CONCENTRATION (ppmv)	DIFFERENCE (ppmv)	DIFFERENCE (%)	ZERO AIR PPM	TIMESTAMP	INSTRUMENT ID
PRECISION MEASUREMENT		CH4 (Methane)	500	499.6	-0.4	-0.1	0	12/20/2021 9:36	000780DABAC4
PRECISION MEASUREMENT		CH4 (Methane)	500	499.9	-0.1	0	0	12/20/2021 9:36	000780DABAC4
PRECISION MEASUREMENT		CH4 (Methane)	500	500.8	0.8	0.2	0	12/20/2021 9:37	000780DABAC4

MONITORING TYPE	CAL GAS SERIAL NUMBER	CAL GAS TYPE	CAL GAS CONCENTRATION (ppmv)	TARGET CONCENTRATION (ppmv)	INITIAL CONCENTRATION (ppmv)	RESPONSE TIME (seconds)	TIMESTAMP	INSTRUMENT ID
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	475.1	0	6	12/20/2021 9:39	000780DABAC4
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	475.1	0	5	12/20/2021 9:40	000780DABAC4
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	475.1	0	5	12/20/2021 9:40	000780DABAC4

MONITORING TYPE	OPERATOR NAME	INSTRUMENT ID	FILE SAVE TIME	AVG PRECISION (%)	AVG RESPONSE TIME (SECONDS)
VERIFICATION SUMMARY	FSI	886B0FA6E68F	12/30/2021 8:10	-0.3	7

MONITORING TYPE	CAL GAS SERIAL NUMBER	CAL GAS TYPE	CAL GAS CONCENTRATION (ppmv)	DETECTOR CONCENTRATION (ppmv)	DIFFERENCE (ppmv)	DIFFERENCE (%)	ZERO AIR PPM	TIMESTAMP	INSTRUMENT ID
PRECISION MEASUREMENT		CH4 (Methane)	500	497.2	-2.8	-0.6	0	12/30/2021 8:07	886B0FA6E68F
PRECISION MEASUREMENT		CH4 (Methane)	500	497.6	-2.4	-0.5	0	12/30/2021 8:08	886B0FA6E68F
PRECISION MEASUREMENT		CH4 (Methane)	500	501.4	1.4	0.3	0	12/30/2021 8:08	886B0FA6E68F

MONITORING TYPE	CAL GAS SERIAL NUMBER	CAL GAS TYPE	CAL GAS CONCENTRATION (ppmv)	TARGET CONCENTRATION (ppmv)	INITIAL CONCENTRATION (ppmv)	RESPONSE TIME (seconds)	TIMESTAMP	INSTRUMENT ID
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	473.8	0	7	12/30/2021 8:09	886B0FA6E68F
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	473.8	0	7	12/30/2021 8:09	886B0FA6E68F
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	473.8	0	7	12/30/2021 8:10	886B0FA6E68F

APPENDIX E

WEATHER DATA

TETRA TECH

SEM Weather Summary
Ox Mountain
Q4 2021 SEM

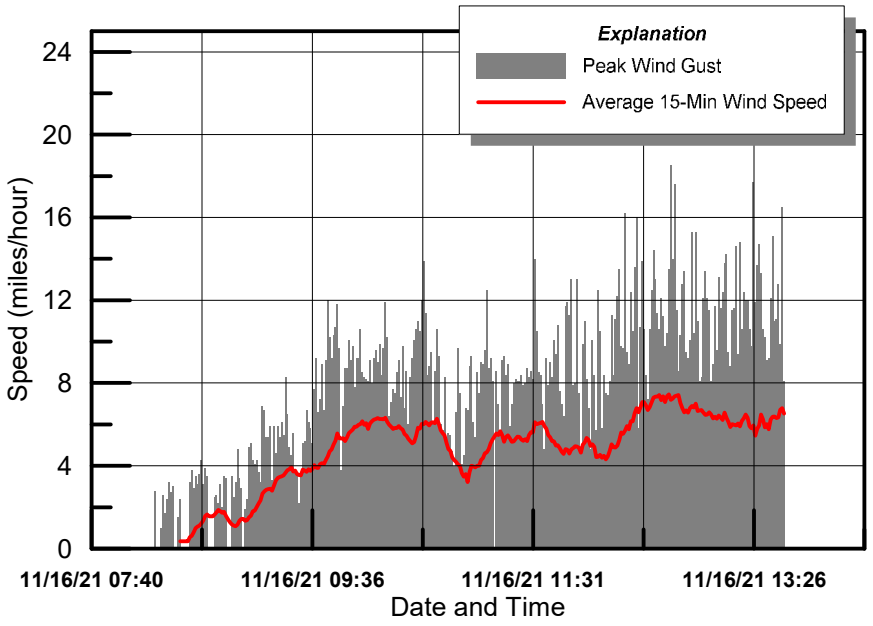
Date/Time	Temperature (°F)	Average Wind Speed (mph)	Wind Direction	Precipitation
11/16/21 8:09	56.0	0.0	N/A	None
11/17/2021 8:15	56.0	0.0	N/A	None
11/18/21 8:16	51.0	0.0	N/A	None
11/24/21 9:53	57.0	2.0	East-Northeast	None
11/30/2021 8:12	52.0	2.0	West-Northwest	None
12/1/21 8:17	54.0	1.0	West-Northwest	None
12/2/2021 8:04	51.0	0.0	N/A	None
12/17/2021 8:51	45.0	1.0	Southwest	None
12/20/2021 9:42	51.0	5.0	West-Northwest	None
12/30/2021 8:10	42.0	2.0	South-Southwest	None

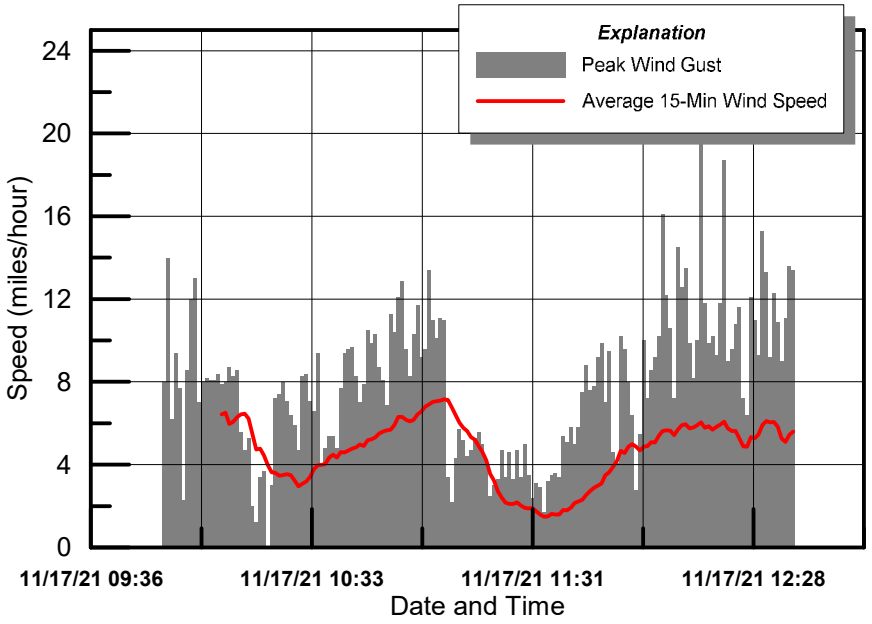
Ox Mountain's onsite Davis Instruments weather station

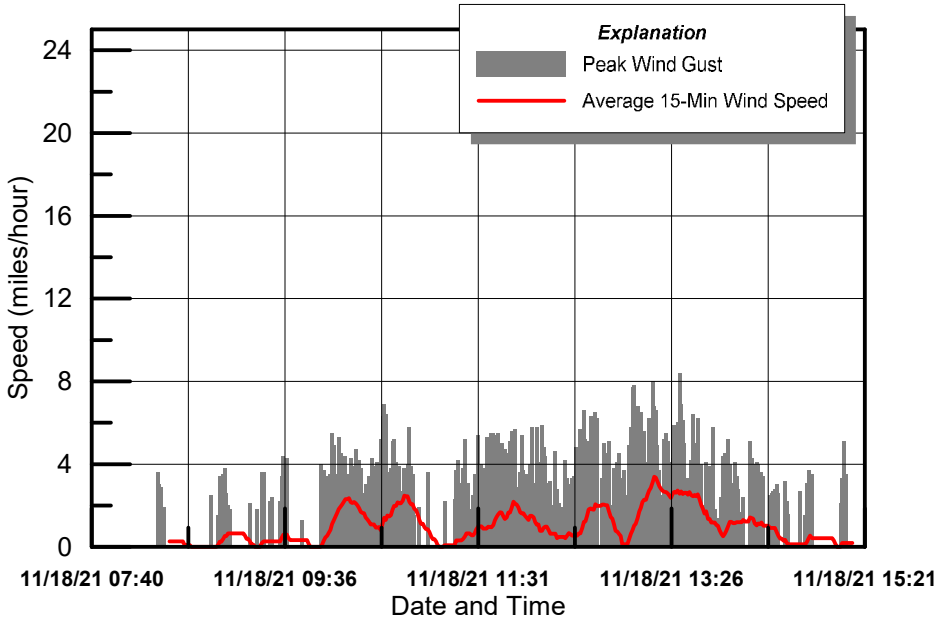
N/A - Not Applicable

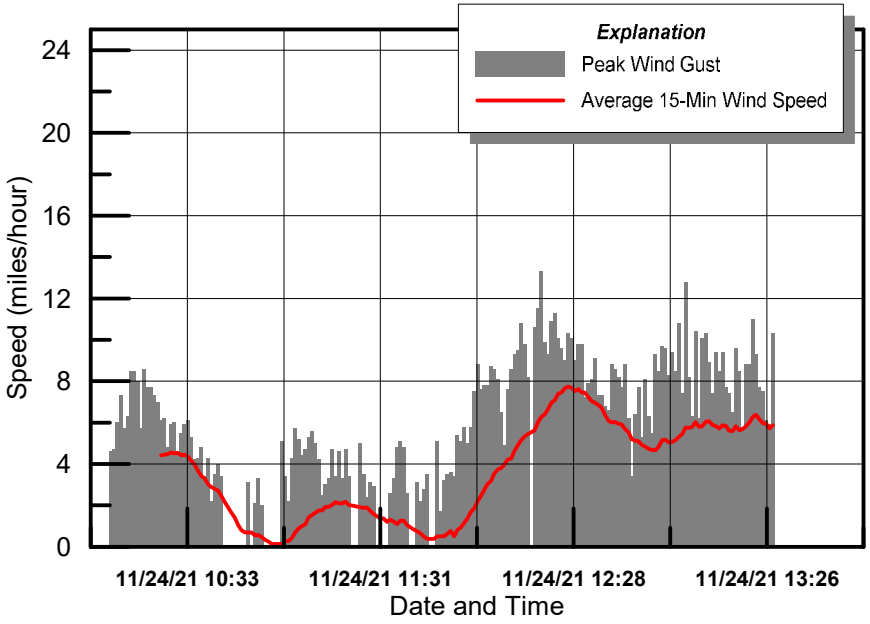
APPENDIX F

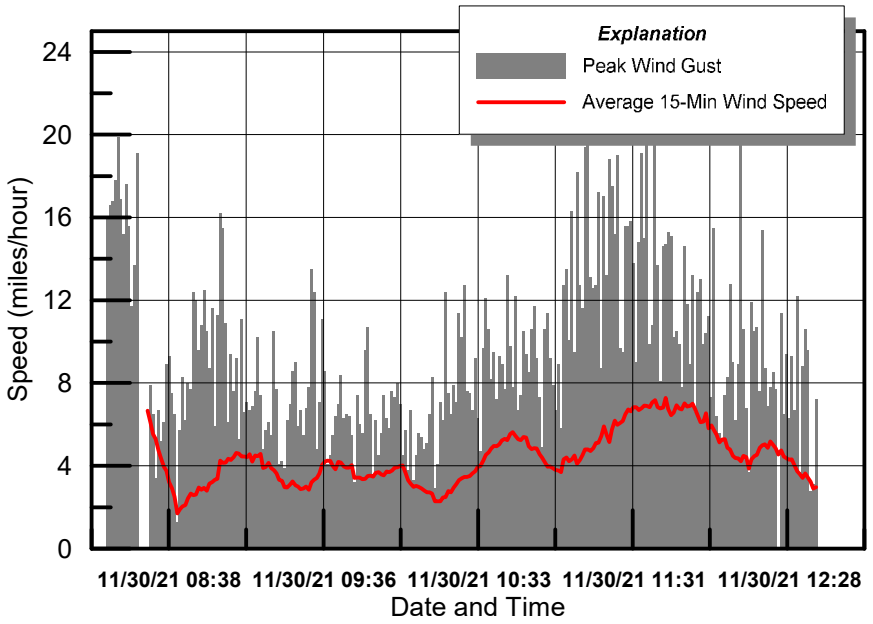
WIND SPEED DATA

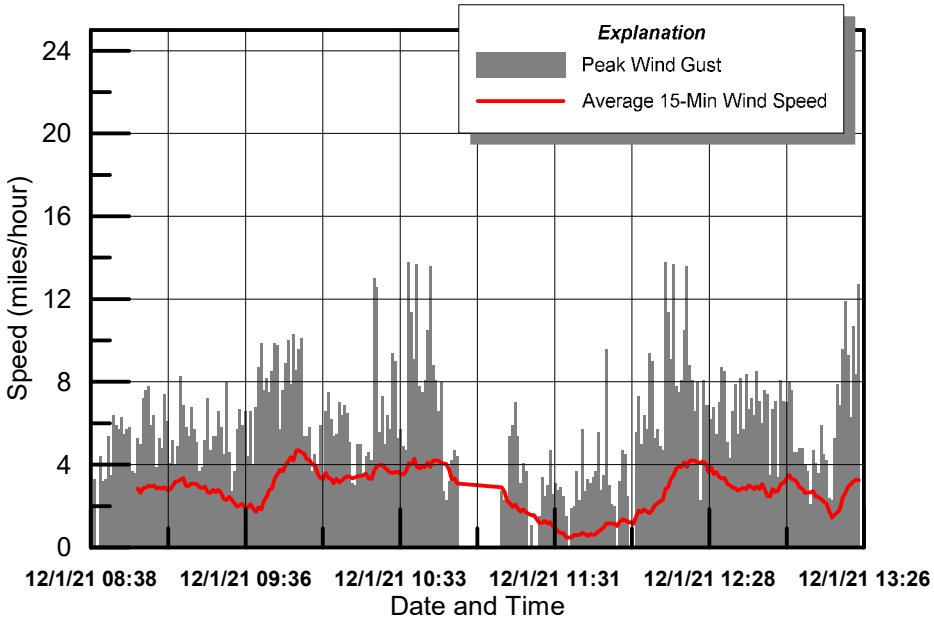

Explanation
Peak Wind Gust
Average 15-Min Wind Speed
Speed (miles/hour)
0
4
8
12
16
20
24
11/16/21 07:40
11/16/21 09:36
11/16/21 11:31
11/16/21 13:26
Date and Time

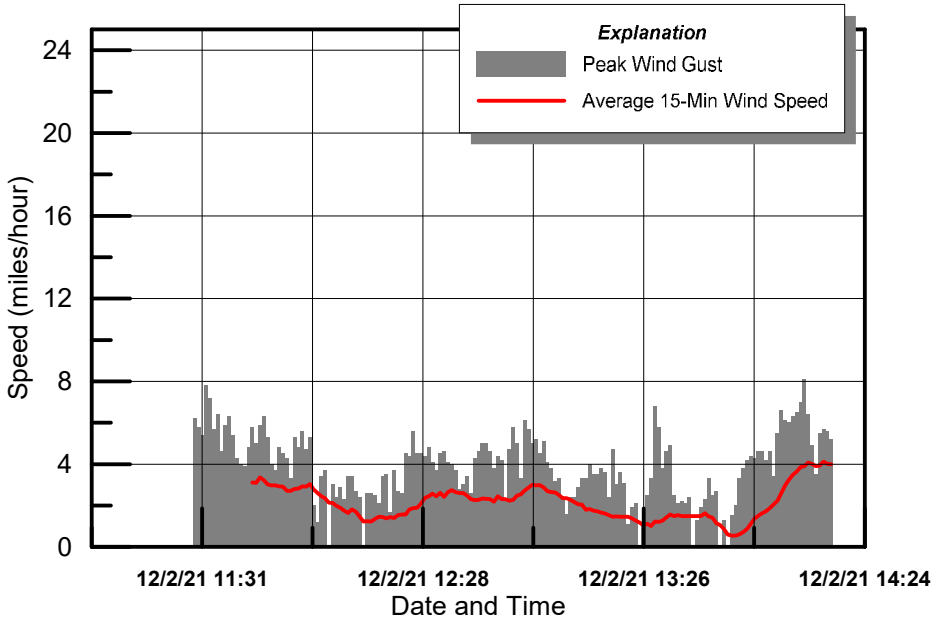

Explanation
Peak Wind Gust
Average 15-Min Wind Speed
Speed (miles/hour)
0
4
8
12
16
20
24
11/17/21 09:36
11/17/21 10:33
11/17/21 11:31
11/17/21 12:28
Date and Time

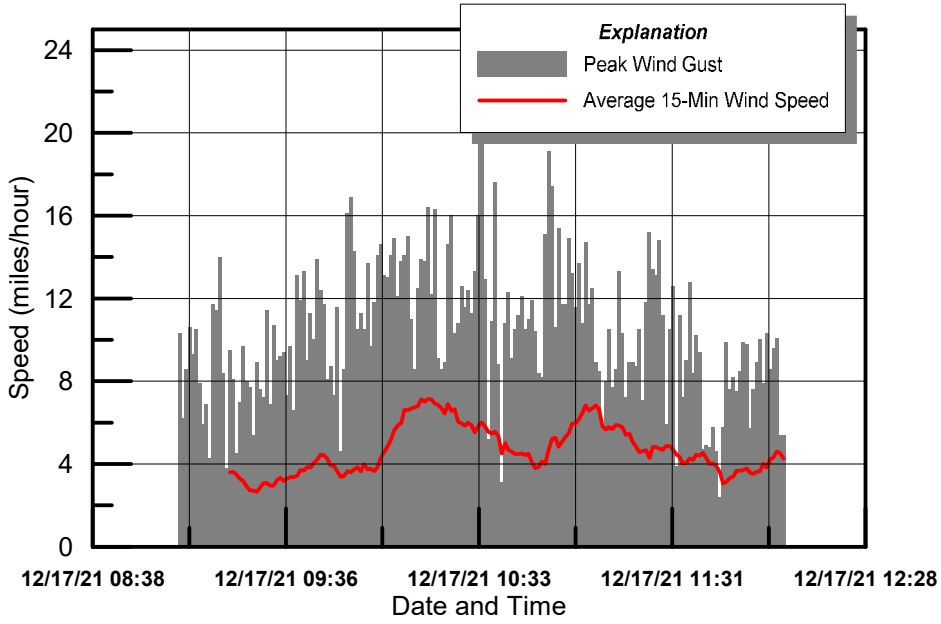

Explanation
Peak Wind Gust
Average 15-Min Wind Speed
Speed (miles/hour)
0
4
8
12
16
20
24
11/18/21 07:40
11/18/21 09:36
11/18/21 11:31
11/18/21 13:26
11/18/21 15:21
Date and Time

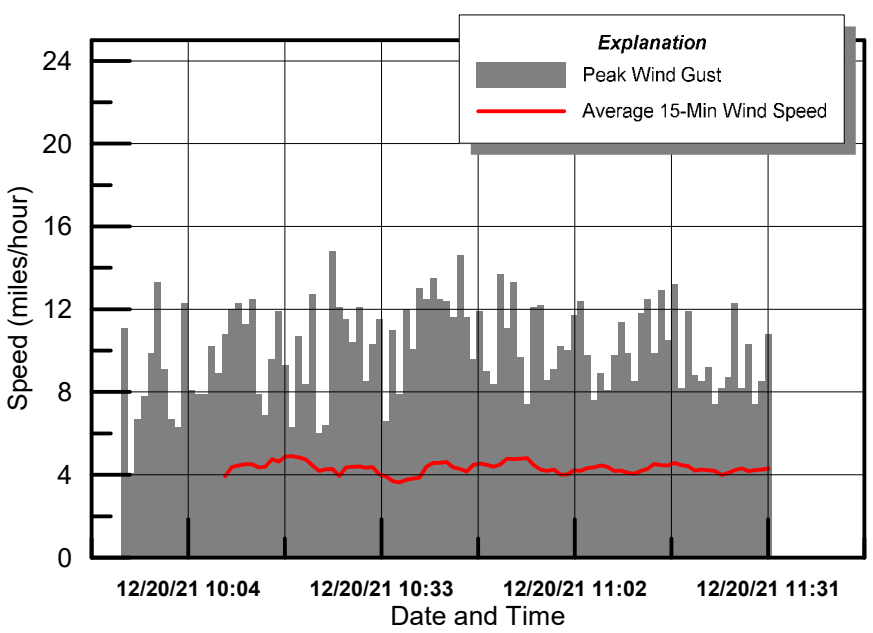

Explanation
Peak Wind Gust
Average 15-Min Wind Speed
Speed (miles/hour)
0
4
8
12
16
20
24
11/24/21 10:33
11/24/21 11:31
11/24/21 12:28
11/24/21 13:26
Date and Time

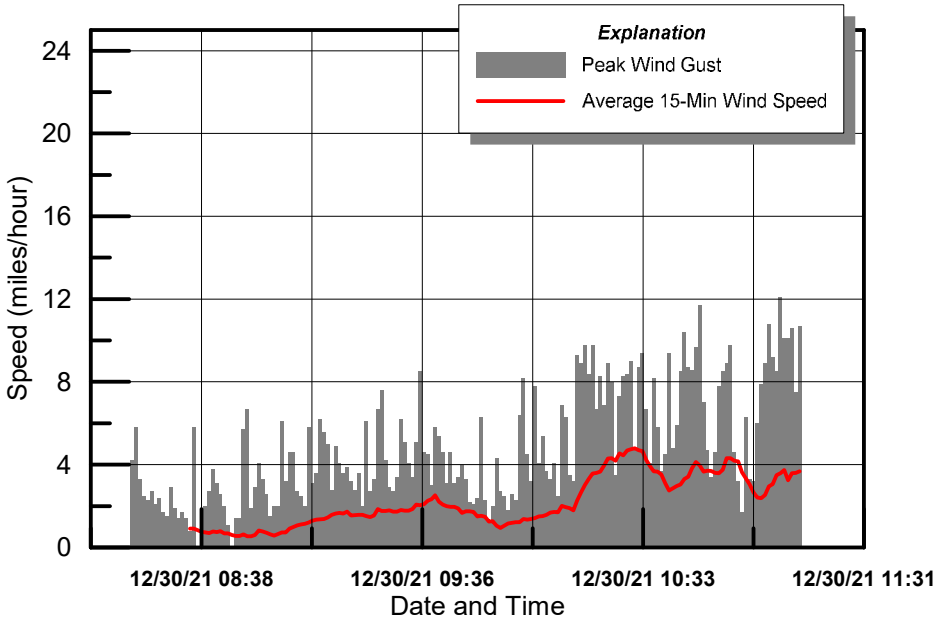

Explanation
Peak Wind Gust
Average 15-Min Wind Speed
Speed (miles/hour)
0
4
8
12
16
20
24
11/30/21 08:38
11/30/21 09:36
11/30/21 10:33
11/30/21 11:31
11/30/21 12:28
Date and Time


Explanation
Peak Wind Gust
Average 15-Min Wind Speed
Speed (miles/hour)
0
4
8
12
16
20
24
12/1/21 08:38
12/1/21 09:36
12/1/21 10:33
12/1/21 11:31
12/1/21 12:28
12/1/21 13:26
Date and Time


Explanation
Peak Wind Gust
Average 15-Min Wind Speed
Speed (miles/hour)
0
4
8
12
16
20
24
12/2/21 11:31
12/2/21 12:28
12/2/21 13:26
12/2/21 14:24
Date and Time


Explanation
Peak Wind Gust
Average 15-Min Wind Speed
Speed (miles/hour)
0
4
8
12
16
20
24
12/17/21 08:38
12/17/21 09:36
12/17/21 10:33
12/17/21 11:31
12/17/21 12:28
Date and Time


Explanation
Peak Wind Gust
Average 15-Min Wind Speed
Speed (miles/hour)
0
4
8
12
16
20
24
12/20/21 10:04
12/20/21 10:33
12/20/21 11:02
12/20/21 11:31
Date and Time


Explanation
Peak Wind Gust
Average 15-Min Wind Speed
Speed (miles/hour)
0
4
8
12
16
20
24
12/30/21 08:38
12/30/21 09:36
12/30/21 10:33
12/30/21 11:31
Date and Time

TETRA TECH

April 6, 2022

Mr. Ben Wade
Browning-Ferris Industries of California, Inc.
Ox Mountain Landfill
12310 San Mateo Road
Half Moon Bay, CA 94019

Subject: First Quarter 2022 Surface Emissions Monitoring Results for the Ox Mountain Landfill, Half Moon Bay, CA

Dear Mr. Wade:

This report provides results of the First Quarter 2022 New Source Performance Standards (NSPS) and California Air Resources Board (CARB) Landfill Methane Rule (LMR) surface emissions monitoring (SEM) performed by Tetra Tech and a Tetra Tech subcontractor at the Ox Mountain Landfill. All work was performed in accordance with Republic Services' Standard Operating Procedures (SOP), federal NSPS and state LMR requirements.

SUMMARY AND CONCLUSIONS

As stipulated in the LMR, if uncorrectable exceedances within the 10-day limitation are detected 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. Therefore, based on the previous monitoring events, in which exceedances were observed, the monitoring at the Ox Mountain Landfill was performed on 25-foot pathways in accordance with the LMR.

As required by the LMR, the landfill was divided into 50,000 square foot or less (partial) areas. The Ox Mountain Landfill surface area was therefore, divided into one hundred and sixty-four (164) individual grids as shown in Appendix A.

The First Quarter 2022 SEM testing results indicated fifteen (15) locations that exceeded the NSPS (Grids) and LMR (Grids and Penetrations) instantaneous methane concentration threshold of 500 parts per million by volume (ppmv) and four (4) exceedances of the LMR integrated threshold limit of 25 ppmv as measured as methane above background were detected during the initial monitoring event. System adjustments and repair work was performed by site personnel. The subsequent 10-day re-monitoring event indicated that fifteen (15) areas with instantaneous and four (4) integrated exceedances had returned to compliance. The one-month re-monitoring indicated there were zero (0) locations with a remaining instantaneous exceedance and zero (0) grids with remaining integrated exceedances as of the end of the quarter.

Tetra Tech
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Additionally, during this event, some grids were not monitored as these areas were deemed unsafe by Tetra Tech, Tetra Tech's subcontractor, and/or site personnel for entry due to active filling operations, heavy traffic, or steep slopes, which could cause a potential for injury of monitoring personnel as follows:

- Full grids 21, 22, 26, 28, 30, 31, 37, 38, 44, 45, 50, 51, 57, 58, 59, 60, 65, 66, 67, 73, 74, 75, 78, 79, 80, 81, 82, 87, 88, 89, 94, 95, 100, 101, 106, 107, 112, and 113, were not monitored due to active filling operations or active construction which resulted in unsafe conditions. (see Appendix A).

- Partial grids 14, 17, 25, 29, 35, 36, 43, 47, 49, 55, 61, 63, 64, 68, 71, 72, 76, 83, 86, 92, 93, 99, 105, 117, 119, 122, 123, 125, 131, 154, 155, and 159 were partially monitored due to active filling operations or active construction which resulted in unsafe conditions. (see Appendix A).

Areas consisting of native soil (no waste in place) were also exempted from monitoring, in accordance with the LMR. Any wells located in grids noted as exempt from monitoring due to health and safety concerns but remained accessible were monitored on an as-needed basis. Excluded areas are provided on the field map in Appendix A.

Further, as required under the LMR, any location on the landfill that has an observed instantaneous methane concentration greater than or equal to 500 ppmv, must be stake-marked and Global Positioning System (GPS) located on a site figure. When concentrations greater than or equal to 500 ppmv are observed during monitoring events, they are reported to site personnel and included in the quarterly report for that event for inclusion into the annual report as required.

Locations with concentrations between 200 ppmv and 499 ppmv are for reporting purposes only and require no remediation, as they are not an exceedance. Thirty-five (35) locations were found during the monitoring between the LMR instantaneous recording levels of 200 ppmv to 499 ppmv.

Finally, to help prevent potential future exceedances, Tetra Tech recommends that the landfill surface be routinely inspected, any observed surface erosion be routinely repaired, and flowrates to the destruction devices be maximized.

BACKGROUND

The Ox Mountain Landfill is an active municipal solid waste disposal site. By way of background, municipal solid waste buried in a landfill decompose anaerobically (in the absence of oxygen) producing a combustible gas, which contains approximately 50 to 60 percent methane, 40 to 50 percent carbon dioxide, and trace amounts of various other gases, some of which are odorous. The Ox Mountain Landfill property contains a Gas Collection and Control System (GCCS) to control the combustible gases generated in the landfill that may otherwise either vent vertically to the atmosphere or migrate horizontally through subsurface soil to locations on adjacent properties.

SURFACE EMISSIONS MONITORING

Instantaneous and integrated SEM was performed over the surface of the subject site on February 15, 16, 17, 18, 25, and March 1, 2, 9, and 10, 2022. 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 exceeding the threshold limit values of 25 ppmv for the integrated monitoring in the 50,000 square foot grids as required under the LMR. During this event Tetra Tech performed the monitoring on 25-foot pathways 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:

- Trimble SiteFID Landfill Gas Monitor Portable Flame Ionization Detector (FID). This instrument measures methane in air over a range of 1 to 50,000 ppmv. The FID meets the CARB requirements for combined instantaneous and integrated monitoring and was calibrated in accordance with United States Environmental Protection Agency (US EPA) Method 21 and manufacturers specifications.

- A portable wind data logger by Secure Digital is used to monitor and log wind speeds while performing emissions monitoring. Field observations and local weather station information is used to track weather conditions and rain events.

Instrument calibration logs and instantaneous weather information are shown in Appendix D and E.

SURFACE EMISSIONS MONITORING PROCEDURES

Instantaneous and integrated SEM was conducted in accordance with NSPS and LMR requirements. Monitoring was performed with the FID inlet held within 2 inches of the landfill surface while a technician walked a grid in parallel paths not more than 25-feet apart over the surface of the landfill unless site safety conditions or prior monitoring results allowed 100-foot pathways. 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 500 ppmv threshold limits (reporting and compliance levels, respectively) were GPS tagged, any locations exceeding the 500 ppmv threshold limit were 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 software provided by the instrument manufacturer. 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 Appendix F. Wind speed 15-minute averages were observed to remain below the alternative requested 10 miles per hour (based on 60 second intervals), and no instantaneous speeds exceeded 20 miles per hour during the testing. Monitoring was terminated when average wind speed exceeded 5 miles per hour.

The LMR states that monitoring may not take place if any measurable precipitation is recorded onsite within 72-hours. Weather conditions for the monitoring events are included in Appendix E.

TESTING RESULTS

During the initial monitoring events on February 15, 16, 17, 18, and March 1, 2, and 9, 2022 there were fifteen (15) locations that exceeded the NSPS (Grids) and LMR (Grids and Penetrations) instantaneous level of 500 ppmv. There were four (4) exceedances of the LMR integrated threshold limit of 25 ppmv as measured as methane above background detected. System adjustments and repair work (repair of boreholes, vacuum increases to nearby extraction wells and re-compaction of soil) was performed by site personnel. The subsequent 10-day re-monitoring event which was conducted on February 17, 18, 25, and March 1, 2, 9, and 10, 2022 indicated that all fifteen (15) areas with instantaneous and the four (4) integrated exceedances had returned to compliance.

Follow-up monitoring to the initial events were conducted within the one-month interval, as required, on March 9 and 10, 2022. All accessible areas of initial exceedance were re-monitored during these times following additional abatement activities by site personnel. After the one-month confirmation re-monitoring event, all exceedance locations were found to be below the LMR thresholds of compliance. Based on these results, no further monitoring is required until the Second Quarter of 2022. Results of the monitoring are shown in Appendix B and C. Calibration logs for the monitoring equipment are provided in Appendix D.

The landfill perimeter was walked and tested. Results of this testing indicated that no exceedances of the 500 ppmv limit were observed, therefore the site perimeter was in compliance with the requirements of the rule.

As mentioned above:

- Full grids 21, 22, 26, 28, 30, 31, 37, 38, 44, 45, 50, 51, 57, 58, 59, 60, 65, 66, 67, 73, 74, 75, 78, 79, 80, 81, 82, 87, 88, 89, 94, 95, 100, 101, 106, 107, 112, and 113, were not monitored due to active filling operations or active construction which resulted in unsafe conditions. (see Appendix A).

- Partial grids 14, 17, 25, 29, 35, 36, 43, 47, 49, 55, 61, 63, 64, 68, 71, 72, 76, 83, 86, 92, 93, 99, 105, 117, 119, 122, 123, 125, 131, 154, 155, and 159 were partially monitored due to active filling operations or active construction which resulted in unsafe conditions. (see Appendix A).

These areas were deemed unsafe by the Tetra Tech subcontractor personnel for entry due to active filling operations, construction, and other dangerous or unsafe conditions, which could cause a potential for injury of monitoring personnel (Appendix A).

Areas consisting of native soil (no waste in place) are also exempt from monitoring, in accordance with the LMR.

Any wells located in grids noted as exempt from monitoring due to health and safety concerns but remained accessible were monitored on an as-needed basis.

PROJECT SCHEDULE

Following the initial events performed on February 15, 16, 17, 18, and March 1, 2, and 9, 2022, the first 10-day re-monitoring events were performed on February 17, 18, 25, and March 1, 2, 9, and 10, 2022.

The one-month confirmation testing on abated instantaneous readings was performed on March 9 and 10, 2022, and indicated that all exceedances remained below LMR thresholds of compliance.

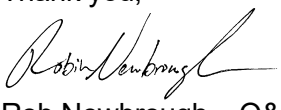
In accordance with the approved Scope of Work, Tetra Tech is scheduled to perform the Second Quarter 2022 NSPS and LMR monitoring event by the end of June 2022 in all areas deemed safe for entry.

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 testing which could affect the surface emissions at the subject site or adjacent properties.

If you have any questions regarding this report, please contact Rob Newbrough at (503) 720-0925.

Thank you,



Rob Newbrough – O&M West Area Manager

This report contains the following Appendices:

Appendix A: Surface Grid Map

Appendix B: Instantaneous Monitoring Results

Appendix C: Integrated Monitoring Results

Appendix D: Calibration Logs

Appendix E: Weather Data

Appendix F: Wind Speed Data

APPENDIX A

SURFACE GRID MAP

Ox Mountain Landfill

1Q2022 Field Map

Legend

- Construction
- Equipment Working
- Steep Slopes
- Walking Paths
- Working Face

N

1000 ft

Google Earth

APPENDIX B

INSTANTANEOUS MONITORING RESULTS

1Q2022 SUMMARY OF PENETRATIONS MONITORED
Ox Mountain Landfill

FILE NAME	DATE	GRID NO. / WELL ID.	ID NO.	LATITUDE WGS84	LONGITUDE WGS84	METHANE CONCENTRATION (ppmv)
MONITOR_OX_MTNwells_GRID_CP01_2022_Q1_Initial.csv	2/15/2022	CP01	1	37.500412	-122.414558	1.0
MONITOR_OX_MTNwells_GRID_CP02_2022_Q1_Initial.csv	2/15/2022	CP02	1	37.500957	-122.414675	0.0
MONITOR_OX_MTNwells_GRID_CP10_2022_Q1_Initial.csv	2/16/2022	CP10	1	37.502797	-122.410283	128.3
MONITOR_OX_MTNwells_GRID_CP13_2022_Q1_Initial.csv	2/16/2022	CP13	1	37.495495	-122.410785	0.0
MONITOR_OX_MTNwells_GRID_CP15_2022_Q1_Initial.csv	2/16/2022	CP15	1	37.495662	-122.410368	0.0
MONITOR_OX_MTNwells_GRID_CP16_2022_Q1_Initial.csv	2/16/2022	CP16	1	37.495988	-122.410632	0.0
MONITOR_OX_MTNwells_GRID_CP17_2022_Q1_Initial.csv	2/16/2022	CP17	1	37.497328	-122.413380	0.0
MONITOR_OX_MTNwells_GRID_CP18_2022_Q1_Initial.csv	2/16/2022	CP18	1	37.497273	-122.412772	0.0
MONITOR_OX_MTNwells_GRID_CP19_2022_Q1_Initial.csv	2/16/2022	CP19	1	37.497187	-122.411543	0.0
MONITOR_OX_MTNwells_GRID_CP21_2022_Q1_Initial.csv	2/15/2022	CP21	1	37.500065	-122.415202	118.0
MONITOR_OX_MTNwells_GRID_CP22_2022_Q1_Initial.csv	2/15/2022	CP22	1	37.501785	-122.414722	0.0
MONITOR_OX_MTNwells_GRID_CP23_2022_Q1_Initial.csv	2/16/2022	CP23	1	37.495662	-122.410357	0.0
MONITOR_OX_MTNwells_GRID_CP24_2022_Q1_Initial.csv	2/16/2022	CP24	1	37.495625	-122.410283	0.0
MONITOR_OX_MTNwells_GRID_CP25_2022_Q1_Initial.csv	2/16/2022	CP25	1	37.495918	-122.410355	0.0
MONITOR_OX_MTNwells_GRID_CP26_2022_Q1_Initial.csv	2/16/2022	CP26	1	37.498770	-122.408187	53.4
MONITOR_OX_MTNwells_GRID_CP27_2022_Q1_Initial.csv	2/15/2022	CP27	1	37.498850	-122.413072	0.0
MONITOR_OX_MTNwells_GRID_CP28_2022_Q1_Initial.csv	2/15/2022	CP28	1	37.499323	-122.411235	0.0
MONITOR_OX_MTNwells_GRID_CP29_2022_Q1_Initial.csv	2/15/2022	CP29	1	37.499335	-122.411538	127.2
MONITOR_OX_MTNwells_GRID_CP30_2022_Q1_Initial.csv	2/16/2022	CP30	1	37.500098	-122.410327	10.8
MONITOR_OX_MTNwells_GRID_CP32_2022_Q1_Initial.csv	2/16/2022	CP32	1	37.496222	-122.412523	1597.7
MONITOR_OX_MTNwells_GRID_CP33_2022_Q1_Initial.csv	2/16/2022	CP33	1	37.496262	-122.412783	0.0
MONITOR_OX_MTNwells_GRID_CP34_2022_Q1_Initial.csv	2/16/2022	CP34	1	37.499080	-122.411147	10.4
MONITOR_OX_MTNwells_GRID_CP35_2022_Q1_Initial.csv	2/15/2022	CP35	1	37.499022	-122.412115	1.6
MONITOR_OX_MTNwells_GRID_CP38_2022_Q1_Initial.csv	2/16/2022	CP38	1	37.495623	-122.410385	0.0
MONITOR_OX_MTNwells_GRID_CP39_2022_Q1_Initial.csv	2/15/2022	CP39	1	37.499082	-122.415190	58.2
MONITOR_OX_MTNwells_GRID_CP3_2022_Q1_Initial.csv	2/16/2022	CP3	1	37.496150	-122.411625	0.0
MONITOR_OX_MTNwells_GRID_CP40_2022_Q1_Initial.csv	2/15/2022	CP40	1	37.497127	-122.414527	0.0
MONITOR_OX_MTNwells_GRID_CP41_2022_Q1_Initial.csv	2/16/2022	CP41	1	37.495627	-122.410335	0.0
MONITOR_OX_MTNwells_GRID_CP42_2022_Q1_Initial.csv	2/16/2022	CP42	1	37.495657	-122.410333	0.0
MONITOR_OX_MTNwells_GRID_CP43_2022_Q1_Initial.csv	2/16/2022	CP43	1	37.495638	-122.410332	0.0
MONITOR_OX_MTNwells_GRID_CP44_2022_Q1_Initial.csv	2/16/2022	CP44	1	37.495643	-122.410325	0.0
MONITOR_OX_MTNwells_GRID_CP45_2022_Q1_Initial.csv	2/16/2022	CP45	1	37.495657	-122.410337	0.0
MONITOR_OX_MTNwells_GRID_CP46_2022_Q1_Initial.csv	2/16/2022	CP46	1	37.495630	-122.410315	0.0
MONITOR_OX_MTNwells_GRID_CP47_2022_Q1_Initial.csv	2/16/2022	CP47	1	37.495618	-122.410285	0.0
MONITOR_OX_MTNwells_GRID_CP48_2022_Q1_Initial.csv	2/16/2022	CP48	1	37.500413	-122.407658	0.0
MONITOR_OX_MTNwells_GRID_CP4_2022_Q1_Initial.csv	2/16/2022	CP4	1	37.496092	-122.411057	0.0
MONITOR_OX_MTNwells_GRID_CP50_2022_Q1_Initial.csv	2/15/2022	CP50	1	37.503862	-122.408837	0.0
MONITOR_OX_MTNwells_GRID_CP51_2022_Q1_Initial.csv	2/16/2022	CP51	1	37.502215	-122.410932	0.0
MONITOR_OX_MTNwells_GRID_CP52_2022_Q1_Initial.csv	2/16/2022	CP52	1	37.502210	-122.410920	253.9
MONITOR_OX_MTNwells_GRID_CP53_2022_Q1_Initial.csv	2/16/2022	CP53	1	37.495470	-122.410803	0.0
MONITOR_OX_MTNwells_GRID_CP54_2022_Q1_Initial.csv	2/16/2022	CP54	1	37.495465	-122.410797	0.0
MONITOR_OX_MTNwells_GRID_CP56_2022_Q1_Initial.csv	2/16/2022	CP56	1	37.496795	-122.407322	3.9
MONITOR_OX_MTNwells_GRID_CP57_2022_Q1_Initial.csv	2/16/2022	CP57	1	37.499713	-122.408043	17.1
MONITOR_OX_MTNwells_GRID_CP58_2022_Q1_Initial.csv	2/16/2022	CP58	1	37.499713	-122.408018	24.2
MONITOR_OX_MTNwells_GRID_CP59_2022_Q1_Initial.csv	2/16/2022	CP59	1	37.499650	-122.408043	8.2
MONITOR_OX_MTNwells_GRID_CP65_2022_Q1_Initial.csv	2/15/2022	CP65	1	37.503705	-122.409640	0.0
MONITOR_OX_MTNwells_GRID_CP66_2022_Q1_Initial.csv	2/15/2022	CP66	1	37.502632	-122.410043	3.2
MONITOR_OX_MTNwells_GRID_CP67_2022_Q1_Initial.csv	2/15/2022	CP67	1	37.500315	-122.413728	0.0
MONITOR_OX_MTNwells_GRID_CP68_2022_Q1_Initial.csv	2/15/2022	CP68	1	37.508402	-122.405842	0.0
MONITOR_OX_MTNwells_GRID_CP69_2022_Q1_Initial.csv	2/15/2022	CP69	1	37.506402	-122.406363	0.0
MONITOR_OX_MTNwells_GRID_CP6_2022_Q1_Initial.csv	2/16/2022	CP6	1	37.496288	-122.412247	0.0
MONITOR_OX_MTNwells_GRID_CP72_2022_Q1_Initial.csv	2/15/2022	CP72	1	37.499278	-122.415257	27.4
MONITOR_OX_MTNwells_GRID_CP73_2022_Q1_Initial.csv	2/15/2022	CP73	1	37.503283	-122.409152	0.0
MONITOR_OX_MTNwells_GRID_CP74_2022_Q1_Initial.csv	2/16/2022	CP74	1	37.499910	-122.409008	5.4

1Q2022 SUMMARY OF PENETRATIONS MONITORED
Ox Mountain Landfill

FILE NAME	DATE	GRID NO. / WELL ID.	ID NO.	LATITUDE WGS84	LONGITUDE WGS84	METHANE CONCENTRATION (ppmv)
MONITOR_OX_MTNwells_GRID_CP75_2022_Q1_Initial.csv	2/16/2022	CP75	1	37.499965	-122.409100	12.2
MONITOR_OX_MTNwells_GRID_CP76_2022_Q1_Initial.csv	2/16/2022	CP76	1	37.502052	-122.411013	4.0
MONITOR_OX_MTNwells_GRID_CP78_2022_Q1_Initial.csv	2/16/2022	CP78	1	37.500092	-122.411745	32.8
MONITOR_OX_MTNwells_GRID_CP79_2022_Q1_Initial.csv	2/16/2022	CP79	1	37.498930	-122.409992	0.0
MONITOR_OX_MTNwells_GRID_CP81_2022_Q1_Initial.csv	2/16/2022	CP81	1	37.496112	-122.412247	1295.8
MONITOR_OX_MTNwells_GRID_CP84_2022_Q1_Initial.csv	2/16/2022	CP84	1	37.499857	-122.407923	1.7
MONITOR_OX_MTNwells_GRID_CP85_2022_Q1_Initial.csv	2/16/2022	CP85	1	37.499342	-122.408890	0.0
MONITOR_OX_MTNwells_GRID_CP87_2022_Q1_Initial.csv	2/16/2022	CP87	1	37.495605	-122.410202	0.0
MONITOR_OX_MTNwells_GRID_CP88_2022_Q1_Initial.csv	2/16/2022	CP88	1	37.495873	-122.407772	0.0
MONITOR_OX_MTNwells_GRID_CP89_2022_Q1_Initial.csv	2/16/2022	CP89	1	37.498415	-122.407797	2.6
MONITOR_OX_MTNwells_GRID_CP90_2022_Q1_Initial.csv	2/15/2022	CP90	1	37.503533	-122.411660	1.5
MONITOR_OX_MTNwells_GRID_CP91_2022_Q1_Initial.csv	2/15/2022	CP91	1	37.503523	-122.411700	188.4
MONITOR_OX_MTNwells_GRID_CP92_2022_Q1_Initial.csv	2/15/2022	CP92	1	37.503498	-122.411830	37.9
MONITOR_OX_MTNwells_GRID_CP93_2022_Q1_Initial.csv	2/15/2022	CP93	1	37.503550	-122.411805	34.5
MONITOR_OX_MTNwells_GRID_CP94_2022_Q1_Initial.csv	2/15/2022	CP94	1	37.503522	-122.411685	8.8
MONITOR_OX_MTNwells_GRID_CP95_2022_Q1_Initial.csv	2/15/2022	CP95	1	37.501345	-122.414127	0.0
MONITOR_OX_MTNwells_GRID_CP96_2022_Q1_Initial.csv	2/15/2022	CP96	1	37.499312	-122.414042	0.0
MONITOR_OX_MTNwells_GRID_CP97_2022_Q1_Initial.csv	2/15/2022	CP97	1	37.501770	-122.414642	0.0
MONITOR_OX_MTNwells_GRID_CP98_2022_Q1_Initial.csv	2/15/2022	CP98	1	37.501015	-122.414973	10.3
MONITOR_OX_MTNwells_GRID_CP9_2022_Q1_Initial.csv	2/16/2022	CP9	1	37.496318	-122.412657	0.0
MONITOR_OX_MTNwells_GRID_E302D_2022_Q1_Initial.csv	2/16/2022	E302D	1	37.496727	-122.408140	0.0
MONITOR_OX_MTNwells_GRID_E306D_2022_Q1_Initial.csv	2/16/2022	E306D	1	37.496473	-122.409010	8.6
MONITOR_OX_MTNwells_GRID_E312D_2022_Q1_Initial.csv	2/15/2022	E312D	1	37.497933	-122.411717	0.0
MONITOR_OX_MTNwells_GRID_E316D_2022_Q1_Initial.csv	2/15/2022	E316D	1	37.501273	-122.413460	3.8
MONITOR_OX_MTNwells_GRID_E317D_2022_Q1_Initial.csv	2/15/2022	E317D	1	37.500598	-122.413588	0.0
MONITOR_OX_MTNwells_GRID_EW101_2022_Q1_Initial.csv	2/15/2022	EW101	1	37.504807	-122.409383	3.6
MONITOR_OX_MTNwells_GRID_EW104_2022_Q1_Initial.csv	2/15/2022	EW104	1	37.501615	-122.414737	0.0
MONITOR_OX_MTNwells_GRID_EW107_2022_Q1_Initial.csv	2/15/2022	EW107	1	37.501650	-122.414772	0.0
MONITOR_OX_MTNwells_GRID_EW113_2022_Q1_Initial.csv	2/15/2022	EW113	1	37.497510	-122.414585	0.0
MONITOR_OX_MTNwells_GRID_EW122_2022_Q1_Initial.csv	2/16/2022	EW122	1	37.495650	-122.410332	0.0
MONITOR_OX_MTNwells_GRID_EW126_2022_Q1_Initial.csv	2/15/2022	EW126	1	37.500062	-122.415225	88.0
MONITOR_OX_MTNwells_GRID_EW133B_2022_Q1_Initial.csv	2/15/2022	EW133B	1	37.497510	-122.414592	0.0
MONITOR_OX_MTNwells_GRID_EW134A_2022_Q1_Initial.csv	2/15/2022	EW134A	1	37.497525	-122.414580	0.0
MONITOR_OX_MTNwells_GRID_EW134B_2022_Q1_Initial.csv	2/15/2022	EW134B	1	37.497492	-122.414582	0.0
MONITOR_OX_MTNwells_GRID_EW137B_2022_Q1_Initial.csv	2/16/2022	EW137B	1	37.496382	-122.413212	0.0
MONITOR_OX_MTNwells_GRID_EW138_2022_Q1_Initial.csv	2/16/2022	EW138	1	37.496338	-122.413172	0.0
MONITOR_OX_MTNwells_GRID_EW145_2022_Q1_Initial.csv	2/15/2022	EW145	1	37.497910	-122.414590	0.0
MONITOR_OX_MTNwells_GRID_EW156R_2022_Q1_Initial.csv	2/15/2022	EW156R	1	37.506363	-122.406383	0.0
MONITOR_OX_MTNwells_GRID_EW156V_2022_Q1_Initial.csv	2/15/2022	EW156V	1	37.506448	-122.405920	0.0
MONITOR_OX_MTNwells_GRID_EW158_2022_Q1_Initial.csv	2/15/2022	EW158	1	37.501178	-122.414865	71.0
MONITOR_OX_MTNwells_GRID_EW159_2022_Q1_Initial.csv	2/15/2022	EW159	1	37.500918	-122.414948	2.5
MONITOR_OX_MTNwells_GRID_EW1601_2022_Q1_Initial.csv	2/15/2022	EW1601	1	37.502065	-122.411723	0.0
MONITOR_OX_MTNwells_GRID_EW1602_2022_Q1_Initial.csv	2/15/2022	EW1602	1	37.501632	-122.412572	1.3
MONITOR_OX_MTNwells_GRID_EW1603_2022_Q1_Initial.csv	2/15/2022	EW1603	1	37.500930	-122.412247	10.2
MONITOR_OX_MTNwells_GRID_EW1604_2022_Q1_Initial.csv	2/15/2022	EW1604	1	37.500312	-122.412743	8.2
MONITOR_OX_MTNwells_GRID_EW1611_2022_Q1_Initial.csv	2/15/2022	EW1611	1	37.499300	-122.411290	49.3
MONITOR_OX_MTNwells_GRID_EW1612_2022_Q1_Initial.csv	2/15/2022	EW1612	1	37.502177	-122.412568	0.0
MONITOR_OX_MTNwells_GRID_EW1613_2022_Q1_Initial.csv	2/15/2022	EW1613	1	37.499842	-122.412767	384.8
MONITOR_OX_MTNwells_GRID_EW1614_2022_Q1_Initial.csv	2/15/2022	EW1614	1	37.499280	-122.413025	0.0
MONITOR_OX_MTNwells_GRID_EW1616_2022_Q1_Initial.csv	2/15/2022	EW1616	1	37.498480	-122.412228	16.0
MONITOR_OX_MTNwells_GRID_EW1617_2022_Q1_Initial.csv	2/15/2022	EW1617	1	37.497978	-122.412385	1.6
MONITOR_OX_MTNwells_GRID_EW1618_2022_Q1_Initial.csv	2/15/2022	EW1618	1	37.500013	-122.413085	0.0
MONITOR_OX_MTNwells_GRID_EW1619_2022_Q1_Initial.csv	2/16/2022	EW1619	1	37.496747	-122.412772	0.0
MONITOR_OX_MTNwells_GRID_EW1620_2022_Q1_Initial.csv	2/16/2022	EW1620	1	37.496698	-122.412095	0.0

FILE NAME	DATE	GRID NO. / WELL ID.	ID NO.	LATITUDE WGS84	LONGITUDE WGS84	METHANE CONCENTRATION (ppmv)
MONITOR_OX_MTNwells_GRID_EW1622_2022_Q1_Initial.csv	2/16/2022	EW1622	1	37.496793	-122.413562	0.0
MONITOR_OX_MTNwells_GRID_EW1625R_2022_Q1_Initial.csv	2/16/2022	EW1625R	1	37.503028	-122.410288	52.7
MONITOR_OX_MTNwells_GRID_EW1626R_2022_Q1_Initial.csv	2/16/2022	EW1626R	1	37.502957	-122.410283	38.5
MONITOR_OX_MTNwells_GRID_EW162_2022_Q1_Initial.csv	2/16/2022	EW162	1	37.496297	-122.411925	0.0
MONITOR_OX_MTNwells_GRID_EW164_2022_Q1_Initial.csv	2/16/2022	EW164	1	37.496202	-122.411247	0.0
MONITOR_OX_MTNwells_GRID_EW1701_2022_Q1_Initial.csv	2/15/2022	EW1701	1	37.497517	-122.408428	35.8
MONITOR_OX_MTNwells_GRID_EW1702_2022_Q1_Initial.csv	2/15/2022	EW1702	1	37.497807	-122.408703	84.2
MONITOR_OX_MTNwells_GRID_EW1703_2022_Q1_Initial.csv	2/15/2022	EW1703	1	37.498108	-122.409445	8.7
MONITOR_OX_MTNwells_GRID_EW1705_2022_Q1_Initial.csv	2/15/2022	EW1705	1	37.498867	-122.411418	277.2
MONITOR_OX_MTNwells_GRID_EW170_2022_Q1_Initial.csv	2/15/2022	EW170	1	37.508700	-122.405128	0.0
MONITOR_OX_MTNwells_GRID_EW1711AR_2022_Q1_Initial.csv	2/16/2022	EW1711AR	1	37.502970	-122.410255	53.8
MONITOR_OX_MTNwells_GRID_EW1712AR_2022_Q1_Initial.csv	2/16/2022	EW1712AR	1	37.502993	-122.410270	0.0
MONITOR_OX_MTNwells_GRID_EW1713R_2022_Q1_Initial.csv	2/16/2022	EW1713R	1	37.502927	-122.410260	41.3
MONITOR_OX_MTNwells_GRID_EW1715_2022_Q1_Initial.csv	2/15/2022	EW1715	1	37.503235	-122.410175	29.8
MONITOR_OX_MTNwells_GRID_EW1716_2022_Q1_Initial.csv	2/15/2022	EW1716	1	37.507352	-122.406423	0.0
MONITOR_OX_MTNwells_GRID_EW1717_2022_Q1_Initial.csv	2/15/2022	EW1717	1	37.506843	-122.406343	0.0
MONITOR_OX_MTNwells_GRID_EW173_2022_Q1_Initial.csv	2/15/2022	EW173	1	37.507295	-122.405973	0.0
MONITOR_OX_MTNwells_GRID_EW174R_2022_Q1_Initial.csv	2/15/2022	EW174R	1	37.506398	-122.406377	0.0
MONITOR_OX_MTNwells_GRID_EW174V_2022_Q1_Initial.csv	2/15/2022	EW174V	1	37.506690	-122.405903	0.0
MONITOR_OX_MTNwells_GRID_EW175R_2022_Q1_Initial.csv	2/15/2022	EW175R	1	37.506282	-122.406352	0.0
MONITOR_OX_MTNwells_GRID_EW175V_2022_Q1_Initial.csv	2/15/2022	EW175V	1	37.506330	-122.406258	0.0
MONITOR_OX_MTNwells_GRID_EW176_2022_Q1_Initial.csv	2/15/2022	EW176	1	37.503287	-122.408597	0.0
MONITOR_OX_MTNwells_GRID_EW1801_2022_Q1_Initial.csv	2/15/2022	EW1801	1	37.498825	-122.413035	13.4
MONITOR_OX_MTNwells_GRID_EW1804_2022_Q1_Initial.csv	2/15/2022	EW1804	1	37.500632	-122.413043	49.7
MONITOR_OX_MTNwells_GRID_EW1805_2022_Q1_Initial.csv	2/15/2022	EW1805	1	37.501045	-122.412955	0.0
MONITOR_OX_MTNwells_GRID_EW1806_2022_Q1_Initial.csv	2/16/2022	EW1806	1	37.497397	-122.410788	8.3
MONITOR_OX_MTNwells_GRID_EW1807_2022_Q1_Initial.csv	2/15/2022	EW1807	1	37.498325	-122.410653	425.6
MONITOR_OX_MTNwells_GRID_EW1808_2022_Q1_Initial.csv	2/15/2022	EW1808	1	37.498707	-122.409278	53.5
MONITOR_OX_MTNwells_GRID_EW1809_2022_Q1_Initial.csv	2/15/2022	EW1809	1	37.502733	-122.411287	0.0
MONITOR_OX_MTNwells_GRID_EW1810_2022_Q1_Initial.csv	2/15/2022	EW1810	1	37.508385	-122.405267	0.0
MONITOR_OX_MTNwells_GRID_EW1811_2022_Q1_Initial.csv	2/15/2022	EW1811	1	37.500355	-122.414572	0.0
MONITOR_OX_MTNwells_GRID_EW1812_2022_Q1_Initial.csv	2/15/2022	EW1812	1	37.501410	-122.413848	0.0
MONITOR_OX_MTNwells_GRID_EW1813_2022_Q1_Initial.csv	2/15/2022	EW1813	1	37.498532	-122.411680	73.1
MONITOR_OX_MTNwells_GRID_EW1815_2022_Q1_Initial.csv	2/16/2022	EW1815	1	37.496833	-122.408430	14.8
MONITOR_OX_MTNwells_GRID_EW1816_2022_Q1_Initial.csv	2/15/2022	EW1816	1	37.498080	-122.408452	1.9
MONITOR_OX_MTNwells_GRID_EW1817_2022_Q1_Initial.csv	2/15/2022	EW1817	1	37.498810	-122.408898	74.2
MONITOR_OX_MTNwells_GRID_EW181_2022_Q1_Initial.csv	2/15/2022	EW181	1	37.501783	-122.413920	97.5
MONITOR_OX_MTNwells_GRID_EW1821_2022_Q1_Initial.csv	2/15/2022	EW1821	1	37.509693	-122.405638	0.0
MONITOR_OX_MTNwells_GRID_EW1822_2022_Q1_Initial.csv	2/15/2022	EW1822	1	37.509428	-122.405832	0.0
MONITOR_OX_MTNwells_GRID_EW1823_2022_Q1_Initial.csv	2/15/2022	EW1823	1	37.509132	-122.405992	0.0
MONITOR_OX_MTNwells_GRID_EW1824_2022_Q1_Initial.csv	2/15/2022	EW1824	1	37.508553	-122.405317	0.0
MONITOR_OX_MTNwells_GRID_EW1825_2022_Q1_Initial.csv	2/15/2022	EW1825	1	37.508118	-122.405323	0.0
MONITOR_OX_MTNwells_GRID_EW1826_2022_Q1_Initial.csv	2/15/2022	EW1826	1	37.501253	-122.414290	0.0
MONITOR_OX_MTNwells_GRID_EW182_2022_Q1_Initial.csv	2/15/2022	EW182	1	37.499243	-122.413750	0.0
MONITOR_OX_MTNwells_GRID_EW183_2022_Q1_Initial.csv	2/15/2022	EW183	1	37.498688	-122.414115	0.0
MONITOR_OX_MTNwells_GRID_EW184_2022_Q1_Initial.csv	2/16/2022	EW184	1	37.497612	-122.414065	0.0
MONITOR_OX_MTNwells_GRID_EW185_2022_Q1_Initial.csv	2/16/2022	EW185	1	37.497283	-122.413903	0.0
MONITOR_OX_MTNwells_GRID_EW186_2022_Q1_Initial.csv	2/15/2022	EW186	1	37.497960	-122.412878	66.5
MONITOR_OX_MTNwells_GRID_EW187_2022_Q1_Initial.csv	2/16/2022	EW187	1	37.497455	-122.412957	1729.2
MONITOR_OX_MTNwells_GRID_EW188_2022_Q1_Initial.csv	2/16/2022	EW188	1	37.497168	-122.412415	0.0
MONITOR_OX_MTNwells_GRID_EW189_2022_Q1_Initial.csv	2/16/2022	EW189	1	37.497118	-122.411690	68.9
MONITOR_OX_MTNwells_GRID_EW1901_2022_Q1_Initial.csv	2/16/2022	EW1901	1	37.496615	-122.410448	2.0
MONITOR_OX_MTNwells_GRID_EW1902_2022_Q1_Initial.csv	2/15/2022	EW1902	1	37.497380	-122.408863	53.2
MONITOR_OX_MTNwells_GRID_EW1904R_2022_Q1_Initial.csv	2/15/2022	EW1904R	1	37.498198	-122.410122	185.0

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FILE NAME	DATE	GRID NO. / WELL ID.	ID NO.	LATITUDE WGS84	LONGITUDE WGS84	METHANE CONCENTRATION (ppmv)
MONITOR_OX_MTNwells_GRID_EW1904_2022_Q1_Initial.csv	2/15/2022	EW1904	1	37.498390	-122.409677	0.0
MONITOR_OX_MTNwells_GRID_EW1906V_2022_Q1_Initial.csv	2/16/2022	EW1906V	1	37.498770	-122.410310	736.5
MONITOR_OX_MTNwells_GRID_EW1908_2022_Q1_Initial.csv	2/16/2022	EW1908	1	37.499962	-122.411765	3497.9
MONITOR_OX_MTNwells_GRID_EW1909_2022_Q1_Initial.csv	2/16/2022	EW1909	1	37.500870	-122.411172	10.5
MONITOR_OX_MTNwells_GRID_EW190_2022_Q1_Initial.csv	2/15/2022	EW190	1	37.497947	-122.411547	0.0
MONITOR_OX_MTNwells_GRID_EW1910_2022_Q1_Initial.csv	2/16/2022	EW1910	1	37.501107	-122.411668	6536.5
MONITOR_OX_MTNwells_GRID_EW1911_2022_Q1_Initial.csv	2/15/2022	EW1911	1	37.501733	-122.412802	0.0
MONITOR_OX_MTNwells_GRID_EW1912_2022_Q1_Initial.csv	2/16/2022	EW1912	1	37.502033	-122.412278	0.0
MONITOR_OX_MTNwells_GRID_EW1913_2022_Q1_Initial.csv	2/15/2022	EW1913	1	37.502648	-122.413620	0.0
MONITOR_OX_MTNwells_GRID_EW1914_2022_Q1_Initial.csv	2/15/2022	EW1914	1	37.502800	-122.412405	0.0
MONITOR_OX_MTNwells_GRID_EW1915R_2022_Q1_Initial.csv	2/15/2022	EW1915R	1	37.506040	-122.406317	0.0
MONITOR_OX_MTNwells_GRID_EW1915V_2022_Q1_Initial.csv	2/15/2022	EW1915V	1	37.506062	-122.406050	0.0
MONITOR_OX_MTNwells_GRID_EW1916_2022_Q1_Initial.csv	2/15/2022	EW1916	1	37.507133	-122.407642	4.5
MONITOR_OX_MTNwells_GRID_EW1917_2022_Q1_Initial.csv	2/15/2022	EW1917	1	37.506495	-122.407987	260.6
MONITOR_OX_MTNwells_GRID_EW1918_2022_Q1_Initial.csv	2/15/2022	EW1918	1	37.508442	-122.404987	0.0
MONITOR_OX_MTNwells_GRID_EW1919_2022_Q1_Initial.csv	2/15/2022	EW1919	1	37.509450	-122.406102	0.0
MONITOR_OX_MTNwells_GRID_EW191_2022_Q1_Initial.csv	2/15/2022	EW191	1	37.507178	-122.406637	0.0
MONITOR_OX_MTNwells_GRID_EW1920_2022_Q1_Initial.csv	2/15/2022	EW1920	1	37.509887	-122.405657	0.0
MONITOR_OX_MTNwells_GRID_EW1921_2022_Q1_Initial.csv	2/15/2022	EW1921	1	37.508448	-122.405770	0.0
MONITOR_OX_MTNwells_GRID_EW192_2022_Q1_Initial.csv	2/15/2022	EW192	1	37.505107	-122.406935	2.4
MONITOR_OX_MTNwells_GRID_EW194_2022_Q1_Initial.csv	2/15/2022	EW194	1	37.500810	-122.414487	0.0
MONITOR_OX_MTNwells_GRID_EW196_2022_Q1_Initial.csv	2/15/2022	EW196	1	37.498750	-122.413605	0.0
MONITOR_OX_MTNwells_GRID_EW199_2022_Q1_Initial.csv	2/15/2022	EW199	1	37.498047	-122.413353	0.0
MONITOR_OX_MTNwells_GRID_EW2001_2022_Q1_Initial.csv	2/15/2022	EW2001	1	37.505427	-122.407448	0.0
MONITOR_OX_MTNwells_GRID_EW2002_2022_Q1_Initial.csv	2/15/2022	EW2002	1	37.506058	-122.406723	0.0
MONITOR_OX_MTNwells_GRID_EW2003_2022_Q1_Initial.csv	2/15/2022	EW2003	1	37.506760	-122.406808	0.0
MONITOR_OX_MTNwells_GRID_EW2004_2022_Q1_Initial.csv	2/15/2022	EW2004	1	37.507293	-122.406215	0.0
MONITOR_OX_MTNwells_GRID_EW2005_2022_Q1_Initial.csv	2/15/2022	EW2005	1	37.508177	-122.405847	0.0
MONITOR_OX_MTNwells_GRID_EW2006_2022_Q1_Initial.csv	2/15/2022	EW2006	1	37.508593	-122.406377	0.0
MONITOR_OX_MTNwells_GRID_EW2007_2022_Q1_Initial.csv	2/15/2022	EW2007	1	37.508800	-122.405732	0.0
MONITOR_OX_MTNwells_GRID_EW2008_2022_Q1_Initial.csv	2/15/2022	EW2008	1	37.509205	-122.405358	0.0
MONITOR_OX_MTNwells_GRID_EW2009_2022_Q1_Initial.csv	2/15/2022	EW2009	1	37.505543	-122.408348	2.8
MONITOR_OX_MTNwells_GRID_EW200_2022_Q1_Initial.csv	2/16/2022	EW200	1	37.497452	-122.413337	0.0
MONITOR_OX_MTNwells_GRID_EW2010_2022_Q1_Initial.csv	2/15/2022	EW2010	1	37.506193	-122.408178	3.7
MONITOR_OX_MTNwells_GRID_EW2011_2022_Q1_Initial.csv	2/15/2022	EW2011	1	37.506797	-122.407405	0.0
MONITOR_OX_MTNwells_GRID_EW2012_2022_Q1_Initial.csv	2/15/2022	EW2012	1	37.505398	-122.406817	0.0
MONITOR_OX_MTNwells_GRID_EW2016_2022_Q1_Initial.csv	2/15/2022	EW2016	1	37.500610	-122.412482	33.0
MONITOR_OX_MTNwells_GRID_EW2017_2022_Q1_Initial.csv	2/15/2022	EW2017	1	37.501182	-122.412448	23.7
MONITOR_OX_MTNwells_GRID_EW2019_2022_Q1_Initial.csv	2/16/2022	EW2019	1	37.500438	-122.411167	45826.6
MONITOR_OX_MTNwells_GRID_EW201_2022_Q1_Initial.csv	2/16/2022	EW201	1	37.497232	-122.413527	0.0
MONITOR_OX_MTNwells_GRID_EW2020_2022_Q1_Initial.csv	2/16/2022	EW2020	1	37.496953	-122.408947	5.2
MONITOR_OX_MTNwells_GRID_EW2022R_2022_Q1_Initial.csv	2/15/2022	EW2022R	1	37.497788	-122.410118	390.1
MONITOR_OX_MTNwells_GRID_EW2022V_2022_Q1_Initial.csv	2/15/2022	EW2022V	1	37.498387	-122.409657	14.2
MONITOR_OX_MTNwells_GRID_EW2023_2022_Q1_Initial.csv	2/15/2022	EW2023	1	37.498545	-122.409665	1549.4
MONITOR_OX_MTNwells_GRID_EW2024_2022_Q1_Initial.csv	2/15/2022	EW2024	1	37.499428	-122.409690	135.4
MONITOR_OX_MTNwells_GRID_EW2025_2022_Q1_Initial.csv	2/16/2022	EW2025	1	37.500042	-122.410935	26.8
MONITOR_OX_MTNwells_GRID_EW2025_2022_Q1_Initial.csv	2/16/2022	EW2025	2	37.499903	-122.410938	4652.9
MONITOR_OX_MTNwells_GRID_EW2026_2022_Q1_Initial.csv	2/16/2022	EW2026	1	37.499928	-122.409782	77.4
MONITOR_OX_MTNwells_GRID_EW2027_2022_Q1_Initial.csv	2/16/2022	EW2027	1	37.500680	-122.410643	6494.0
MONITOR_OX_MTNwells_GRID_EW2028R_2022_Q1_Initial.csv	2/16/2022	EW2028R	1	37.500178	-122.409363	13.1
MONITOR_OX_MTNwells_GRID_EW2028V_2022_Q1_Initial.csv	2/16/2022	EW2028V	1	37.500575	-122.410182	0.0
MONITOR_OX_MTNwells_GRID_EW2029_2022_Q1_Initial.csv	2/15/2022	EW2029	1	37.497872	-122.410958	0.0
MONITOR_OX_MTNwells_GRID_EW2030_2022_Q1_Initial.csv	2/15/2022	EW2030	1	37.498883	-122.412135	25.8
MONITOR_OX_MTNwells_GRID_EW2031_2022_Q1_Initial.csv	2/15/2022	EW2031	1	37.499587	-122.412560	913.2

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FILE NAME	DATE	GRID NO. / WELL ID.	ID NO.	LATITUDE WGS84	LONGITUDE WGS84	METHANE CONCENTRATION (ppmv)
MONITOR_OX_MTNwells_GRID_EW204_2022_Q1_Initial.csv	2/16/2022	EW204	1	37.496680	-122.413940	0.0
MONITOR_OX_MTNwells_GRID_EW205_2022_Q1_Initial.csv	2/16/2022	EW205	1	37.497497	-122.412108	0.0
MONITOR_OX_MTNwells_GRID_EW209_2022_Q1_Initial.csv	2/15/2022	EW209	1	37.497402	-122.409515	18.0
MONITOR_OX_MTNwells_GRID_EW2101_2022_Q1_Initial.csv	2/16/2022	EW2101	1	37.497287	-122.411293	0.0
MONITOR_OX_MTNwells_GRID_EW2102R_2022_Q1_Initial.csv	2/15/2022	EW2102R	1	37.499277	-122.411310	5.8
MONITOR_OX_MTNwells_GRID_EW2102V_2022_Q1_Initial.csv	2/15/2022	EW2102V	1	37.498858	-122.410988	312.3
MONITOR_OX_MTNwells_GRID_EW2103_2022_Q1_Initial.csv	2/15/2022	EW2103	1	37.499373	-122.410260	29.9
MONITOR_OX_MTNwells_GRID_EW2104_2022_Q1_Initial.csv	2/16/2022	EW2104	1	37.499792	-122.409033	10.5
MONITOR_OX_MTNwells_GRID_EW2105_2022_Q1_Initial.csv	2/16/2022	EW2105	1	37.500422	-122.411603	3.4
MONITOR_OX_MTNwells_GRID_EW2106_2022_Q1_Initial.csv	2/15/2022	EW2106	1	37.502405	-122.411635	0.0
MONITOR_OX_MTNwells_GRID_EW2107_2022_Q1_Initial.csv	2/15/2022	EW2107	1	37.504980	-122.407477	0.0
MONITOR_OX_MTNwells_GRID_EW2108_2022_Q1_Initial.csv	2/15/2022	EW2108	1	37.505853	-122.406928	0.0
MONITOR_OX_MTNwells_GRID_EW2109_2022_Q1_Initial.csv	2/15/2022	EW2109	1	37.506410	-122.407338	0.0
MONITOR_OX_MTNwells_GRID_EW210_2022_Q1_Initial.csv	2/16/2022	EW210	1	37.496293	-122.408687	81.1
MONITOR_OX_MTNwells_GRID_EW2110_2022_Q1_Initial.csv	2/15/2022	EW2110	1	37.498900	-122.410542	3892.5
MONITOR_OX_MTNwells_GRID_EW2111_2022_Q1_Initial.csv	2/16/2022	EW2111	1	37.501365	-122.411027	17.0
MONITOR_OX_MTNwells_GRID_EW2113_2022_Q1_Initial.csv	2/16/2022	EW2113	1	37.501818	-122.410990	33.1
MONITOR_OX_MTNwells_GRID_EW300_2022_Q1_Initial.csv	2/16/2022	EW300	1	37.497017	-122.407835	7.8
MONITOR_OX_MTNwells_GRID_EW302_2022_Q1_Initial.csv	2/16/2022	EW302	1	37.496728	-122.408138	25.7
MONITOR_OX_MTNwells_GRID_EW303_2022_Q1_Initial.csv	2/16/2022	EW303	1	37.496268	-122.407835	0.0
MONITOR_OX_MTNwells_GRID_EW306_2022_Q1_Initial.csv	2/16/2022	EW306	1	37.496472	-122.408993	1.2
MONITOR_OX_MTNwells_GRID_EW307_2022_Q1_Initial.csv	2/15/2022	EW307	1	37.498582	-122.414705	0.0
MONITOR_OX_MTNwells_GRID_EW309_2022_Q1_Initial.csv	2/16/2022	EW309	1	37.497088	-122.409522	0.0
MONITOR_OX_MTNwells_GRID_EW310_2022_Q1_Initial.csv	2/15/2022	EW310	1	37.498600	-122.413235	0.0
MONITOR_OX_MTNwells_GRID_EW311_2022_Q1_Initial.csv	2/16/2022	EW311	1	37.496642	-122.411358	0.0
MONITOR_OX_MTNwells_GRID_EW312_2022_Q1_Initial.csv	2/15/2022	EW312	1	37.497953	-122.411713	0.0
MONITOR_OX_MTNwells_GRID_EW315_2022_Q1_Initial.csv	2/15/2022	EW315	1	37.497300	-122.408348	1412.5
MONITOR_OX_MTNwells_GRID_EW316_2022_Q1_Initial.csv	2/15/2022	EW316	1	37.501288	-122.413443	0.0
MONITOR_OX_MTNwells_GRID_EW317_2022_Q1_Initial.csv	2/15/2022	EW317	1	37.500628	-122.413588	0.0
MONITOR_OX_MTNwells_GRID_EW318_2022_Q1_Initial.csv	2/15/2022	EW318	1	37.499958	-122.413705	0.0
MONITOR_OX_MTNwells_GRID_EW320_2022_Q1_Initial.csv	2/15/2022	EW320	1	37.498280	-122.411242	20.4
MONITOR_OX_MTNwells_GRID_EW322_2022_Q1_Initial.csv	2/15/2022	EW322	1	37.502147	-122.413255	0.0
MONITOR_OX_MTNwells_GRID_EW323_2022_Q1_Initial.csv	2/15/2022	EW323	1	37.502402	-122.412042	35.6
MONITOR_OX_MTNwells_GRID_EW325_2022_Q1_Initial.csv	2/16/2022	EW325	1	37.501800	-122.411315	8.4
MONITOR_OX_MTNwells_GRID_EW328_2022_Q1_Initial.csv	2/15/2022	EW328	1	37.501505	-122.412127	11.0
MONITOR_OX_MTNwells_GRID_EW59_2022_Q1_Initial.csv	2/15/2022	EW59	1	37.507605	-122.405740	0.0
MONITOR_OX_MTNwells_GRID_EW72_2022_Q1_Initial.csv	2/15/2022	EW72	1	37.500100	-122.415202	29.7
MONITOR_OX_MTNwells_GRID_EW99_2022_Q1_Initial.csv	2/15/2022	EW99	1	37.504647	-122.406332	0.0
MONITOR_OX_MTNwells_GRID_EWHC1_2022_Q1_Initial.csv	2/15/2022	EWHC1	1	37.499162	-122.415188	136.9
MONITOR_OX_MTNwells_GRID_EWHC6A_2022_Q1_Initial.csv	2/15/2022	EWHC6A	1	37.506397	-122.406360	0.0
MONITOR_OX_MTNwells_GRID_EWW05_2022_Q1_Initial.csv	2/15/2022	EWW05	1	37.505343	-122.408098	219.5
MONITOR_OX_MTNwells_GRID_EWW06_2022_Q1_Initial.csv	2/15/2022	EWW06	1	37.504640	-122.408432	25.9
MONITOR_OX_MTNwells_GRID_EWW08_2022_Q1_Initial.csv	2/15/2022	EWW08	1	37.504757	-122.407100	0.0
MONITOR_OX_MTNwells_GRID_EWW15_2022_Q1_Initial.csv	2/15/2022	EWW15	1	37.503267	-122.409137	0.0
MONITOR_OX_MTNwells_GRID_EWW17_2022_Q1_Initial.csv	2/15/2022	EWW17	1	37.503412	-122.410055	23.3
MONITOR_OX_MTNwells_GRID_EWW18V_2022_Q1_Initial.csv	2/16/2022	EWW18V	1	37.503150	-122.410838	73.6
MONITOR_OX_MTNwells_GRID_EWW18_2022_Q1_Initial.csv	2/15/2022	EWW18	1	37.503337	-122.410753	29.4
MONITOR_OX_MTNwells_GRID_EWW1G_2022_Q1_Initial.csv	2/15/2022	EWW1G	1	37.506138	-122.408357	0.0
MONITOR_OX_MTNwells_GRID_EWW1I_2022_Q1_Initial.csv	2/15/2022	EWW1I	1	37.505572	-122.408698	0.0
MONITOR_OX_MTNwells_GRID_EWW1J_2022_Q1_Initial.csv	2/15/2022	EWW1J	1	37.505322	-122.408860	1.5
MONITOR_OX_MTNwells_GRID_EWW1K_2022_Q1_Initial.csv	2/15/2022	EWW1K	1	37.504922	-122.409207	36.0
MONITOR_OX_MTNwells_GRID_EWW1S_2022_Q1_Initial.csv	2/15/2022	EWW1S	1	37.504253	-122.410278	98.6
MONITOR_OX_MTNwells_GRID_EWW26_2022_Q1_Initial.csv	2/15/2022	EWW26	1	37.503325	-122.410770	85.2
MONITOR_OX_MTNwells_GRID_HC1922_2022_Q1_Initial.csv	2/16/2022	HC1922	1	37.501768	-122.411322	1.6

1Q2022 SUMMARY OF PENETRATIONS MONITORED
Ox Mountain Landfill

FILE NAME	DATE	GRID NO. / WELL ID.	ID NO.	LATITUDE WGS84	LONGITUDE WGS84	METHANE CONCENTRATION (ppmv)
MONITOR_OX_MTNwells_GRID_HC2000_2022_Q1_Initial.csv	2/16/2022	HC2000	1	37.498095	-122.407612	0.0
MONITOR_OX_MTNwells_GRID_HC2001_2022_Q1_Initial.csv	2/16/2022	HC2001	1	37.498108	-122.407583	0.0
MONITOR_OX_MTNwells_GRID_HC2013_2022_Q1_Initial.csv	2/15/2022	HC2013	1	37.503238	-122.410178	109.7
MONITOR_OX_MTNwells_GRID_HCF03_2022_Q1_Initial.csv	2/16/2022	HCF03	1	37.495485	-122.410792	0.0
MONITOR_OX_MTNwells_GRID_HCF04_2022_Q1_Initial.csv	2/16/2022	HCF04	1	37.495480	-122.410793	0.0
MONITOR_OX_MTNwells_GRID_HCF06_2022_Q1_Initial.csv	2/16/2022	HCF06	1	37.495478	-122.410795	0.0
MONITOR_OX_MTNwells_GRID_LCRS07_2022_Q1_Initial.csv	2/16/2022	LCRS07	1	37.497872	-122.407450	0.0
MONITOR_OX_MTNwells_GRID_LCRS10_2022_Q1_Initial.csv	2/16/2022	LCRS10	1	37.499288	-122.408233	224.8
MONITOR_OX_MTNwells_GRID_LCRS11_2022_Q1_Initial.csv	2/16/2022	LCRS11	1	37.499305	-122.408213	55.2
MONITOR_OX_MTNwells_GRID_LCRS3A_2022_Q1_Initial.csv	2/16/2022	LCRS3A	1	37.496348	-122.413205	0.0
MONITOR_OX_MTNwells_GRID_LCRS3B_2022_Q1_Initial.csv	2/16/2022	LCRS3B	1	37.496357	-122.413205	0.0
MONITOR_OX_MTNwells_GRID_LCRS7B_2022_Q1_Initial.csv	2/16/2022	LCRS7B	1	37.497853	-122.407442	0.0
MONITOR_OX_MTNwells_GRID_PEW30_2022_Q1_Initial.csv	2/15/2022	PEW30	1	37.507288	-122.407322	0.0
MONITOR_OX_MTNwells_GRID_PEW31_2022_Q1_Initial.csv	2/15/2022	PEW31	1	37.506635	-122.407752	0.0
MONITOR_OX_MTNwells_GRID_PEW32_2022_Q1_Initial.csv	2/15/2022	PEW32	1	37.506068	-122.406355	0.0
MONITOR_OX_MTNwells_GRID_PEW33_2022_Q1_Initial.csv	2/15/2022	PEW33	1	37.505467	-122.406493	1.1
MONITOR_OX_MTNwells_GRID_PEW35_2022_Q1_Initial.csv	2/15/2022	PEW35	1	37.506018	-122.407338	0.0
MONITOR_OX_MTNwells_GRID_PEW36_2022_Q1_Initial.csv	2/15/2022	PEW36	1	37.505878	-122.407838	0.0
MONITOR_OX_MTNwells_GRID_PEW44_2022_Q1_Initial.csv	2/15/2022	PEW44	1	37.504095	-122.410123	0.0
MONITOR_OX_MTNwells_GRID_PEW46_2022_Q1_Initial.csv	2/15/2022	PEW46	1	37.503230	-122.410188	14.1
MONITOR_OX_MTNwells_GRID_SUMP1_2022_Q1_Initial.csv	2/15/2022	SUMP1	1	37.506143	-122.405952	0.0
MONITOR_OX_MTNwells_GRID_SUMP2_2022_Q1_Initial.csv	2/15/2022	SUMP2	1	37.499128	-122.415202	120.6
MONITOR_OX_MTNwells_GRID_TLTS01_2022_Q1_Initial.csv	2/15/2022	TLTS01	1	37.498673	-122.415015	0.0
MONITOR_OX_MTNwells_GRID_TLTS02_2022_Q1_Initial.csv	2/15/2022	TLTS02	1	37.497960	-122.414848	0.0
MONITOR_OX_MTNwells_GRID_TLTS03_2022_Q1_Initial.csv	2/15/2022	TLTS03	1	37.497572	-122.414753	0.0
MONITOR_OX_MTNwells_GRID_TLTS04_2022_Q1_Initial.csv	2/16/2022	TLTS04	1	37.496397	-122.413988	0.0
MONITOR_OX_MTNwells_GRID_TLTS05_2022_Q1_Initial.csv	2/16/2022	TLTS05	1	37.496408	-122.413587	0.0
MONITOR_OX_MTNwells_GRID_TLTS06_2022_Q1_Initial.csv	2/16/2022	TLTS06	1	37.496390	-122.413282	0.0
MONITOR_OX_MTNwells_GRID_TLTS07_2022_Q1_Initial.csv	2/16/2022	TLTS07	1	37.496377	-122.413118	0.0
MONITOR_OX_MTNwells_GRID_TLTS08_2022_Q1_Initial.csv	2/16/2022	TLTS08	1	37.496333	-122.412780	0.0
MONITOR_OX_MTNwells_GRID_TLTS10_2022_Q1_Initial.csv	2/16/2022	TLTS10	1	37.496250	-122.412150	0.0
MONITOR_OX_MTNwells_GRID_TLTS11_2022_Q1_Initial.csv	2/16/2022	TLTS11	1	37.496220	-122.411778	0.0
MONITOR_OX_MTNwells_GRID_TLTS12_2022_Q1_Initial.csv	2/16/2022	TLTS12	1	37.496130	-122.411403	0.0
MONITOR_OX_MTNwells_GRID_TLTS15_2022_Q1_Initial.csv	2/16/2022	TLTS15	1	37.495925	-122.410247	0.0
MONITOR_OX_MTNwells_GRID_TLTS16_2022_Q1_Initial.csv	2/16/2022	TLTS16	1	37.495775	-122.409765	0.0
MONITOR_OX_MTNwells_GRID_TLTS17_2022_Q1_Initial.csv	2/16/2022	TLTS17	1	37.495622	-122.409408	0.0
MONITOR_OX_MTNwells_GRID_TLTS18_2022_Q1_Initial.csv	2/16/2022	TLTS18	1	37.495492	-122.409013	0.0
MONITOR_OX_MTNwells_GRID_TLTS19_2022_Q1_Initial.csv	2/16/2022	TLTS19	1	37.495572	-122.408492	0.0
MONITOR_OX_MTNwells_GRID_TLTS20_2022_Q1_Initial.csv	2/16/2022	TLTS20	1	37.495820	-122.407970	0.0

Table 3

SUMMARY OF INSTANTANEOUS MONITORING POINTS
WITH METHANE CONCENTRATIONS BETWEEN 200-499 PPMV
1Q2022 Ox Mountain Landfill

INITIAL MONITORING						
FILE NAME	**DATE**	**GRID NO.**	**ID NO.**	**LATITUDE WGS84**	**LONGITUDE WGS84**	**INSTANTANEOUS METHANE CONCENTRATION (ppmv)**
MONITOR_OX_MTNwells_GRID_EWW05_2022_Q1_Initial.csv	2/15/2022	NA	EWW05	37.505343	-122.408098	219.5
MONITOR_OX_MTNwells_GRID_LCRS10_2022_Q1_Initial.csv	2/16/2022	NA	LCRS10	37.499288	-122.408233	224.8
MONITOR_OX_MTNwells_GRID_CP52_2022_Q1_Initial.csv	2/16/2022	NA	CP52	37.502210	-122.410920	253.9
MONITOR_OX_MTNwells_GRID_EW1917_2022_Q1_Initial.csv	2/15/2022	NA	EW1917	37.506495	-122.407987	260.6
MONITOR_OX_MTNwells_GRID_EW1705_2022_Q1_Initial.csv	2/15/2022	NA	EW1705	37.498867	-122.411418	277.2
MONITOR_OX_MTNwells_GRID_EW2102V_2022_Q1_Initial.csv	2/15/2022	NA	EW2102V	37.498858	-122.410988	312.3
MONITOR_OX_MTNwells_GRID_EW1613_2022_Q1_Initial.csv	2/15/2022	NA	EW1613	37.499842	-122.412767	384.8
MONITOR_OX_MTNwells_GRID_EW2022R_2022_Q1_Initial.csv	2/15/2022	NA	EW2022R	37.497788	-122.410118	390.1
MONITOR_OX_MTNwells_GRID_EW1807_2022_Q1_Initial.csv	2/15/2022	Na	EW1807	37.498325	-122.410653	425.6
MONITOR_ox_mtn_GRID_104_2022_Q1_Initial.csv	3/1/2022	104	60	37.503645	-122.411440	362.9
MONITOR_ox_mtn_GRID_104_2022_Q1_Initial.csv	3/1/2022	104	76	37.503607	-122.411527	238.8
MONITOR_ox_mtn_GRID_105_2022_Q1_Initial.csv	3/1/2022	105	8	37.502472	-122.411310	415.6
MONITOR_ox_mtn_GRID_105_2022_Q1_Initial.csv	3/1/2022	105	68	37.502390	-122.411417	226.6
MONITOR_ox_mtn_GRID_109_2022_Q1_Initial.csv	3/2/2022	109	61	37.496792	-122.411197	476.9
MONITOR_ox_mtn_GRID_111_2022_Q1_Initial.csv	3/1/2022	111	20	37.502118	-122.411622	270.1
MONITOR_ox_mtn_GRID_111_2022_Q1_Initial.csv	3/1/2022	111	49	37.501958	-122.411725	414.1
MONITOR_ox_mtn_GRID_116_2022_Q1_Initial.csv	3/1/2022	116	75	37.503357	-122.412248	303.6
MONITOR_ox_mtn_GRID_117_2022_Q1_Initial.csv	3/1/2022	117	85	37.501628	-122.412055	402.7
MONITOR_ox_mtn_GRID_118_2022_Q1_Initial.csv	3/9/2022	118	89	37.501297	-122.412163	223.1
MONITOR_ox_mtn_GRID_123_2022_Q1_Initial.csv	3/1/2022	123	53	37.502670	-122.412463	233.4
MONITOR_ox_mtn_GRID_124_2022_Q1_Initial.csv	3/2/2022	124	15	37.500778	-122.412290	223.0
MONITOR_ox_mtn_GRID_124_2022_Q1_Initial.csv	3/2/2022	124	16	37.500728	-122.412297	209.7
MONITOR_ox_mtn_GRID_124_2022_Q1_Initial.csv	3/2/2022	124	17	37.500697	-122.412298	262.0
MONITOR_ox_mtn_GRID_124_2022_Q1_Initial.csv	3/2/2022	124	26	37.500272	-122.412272	342.8
MONITOR_ox_mtn_GRID_131_2022_Q1_Initial.csv	3/9/2022	131	8	37.499330	-122.412642	246.7
MONITOR_ox_mtn_GRID_135_2022_Q1_Initial.csv	3/2/2022	135	32	37.500115	-122.412985	425.6
MONITOR_ox_mtn_GRID_135_2022_Q1_Initial.csv	3/2/2022	135	48	37.500450	-122.413107	234.3
MONITOR_ox_mtn_GRID_135_2022_Q1_Initial.csv	3/2/2022	135	49	37.500477	-122.413100	371.8
MONITOR_ox_mtn_GRID_150_2022_Q1_Initial.csv	3/2/2022	150	2	37.500108	-122.413983	206.4
MONITOR_ox_mtn_GRID_160_2022_Q1_Initial.csv	3/2/2022	160	60	37.499557	-122.414777	264.3
MONITOR_ox_mtn_GRID_160_2022_Q1_Initial.csv	3/2/2022	160	61	37.499578	-122.414768	398.9
MONITOR_ox_mtn_GRID_163_2022_Q1_Initial.csv	3/2/2022	163	64	37.499760	-122.415180	216.7
MONITOR_ox_mtn_GRID_56_2022_Q1_Initial.csv	3/1/2022	56	75	37.503078	-122.409172	236.3
MONITOR_ox_mtn_GRID_92_2022_Q1_Initial.csv	3/1/2022	92	78	37.503360	-122.410728	236.4
MONITOR_ox_mtn_GRID_99_2022_Q1_Initial.csv	3/1/2022	99	21	37.502180	-122.410985	291.6

Table 4

SUMMARY OF INSTANTANEOUS MONITORING POINTS WITH
METHANE CONCENTRATIONS ≥500 PPMV
(INCLUDING RETESTING RESULTS)
1Q2022 Ox Mountain Landfill

INITIAL MONITORING						FIRST 10DAY		MONTH CONFIRMATION	
FILE NAME	DATE	POINT ID	LATITUDE WGS84	LONGITUDE WGS84	METHANE CONCENTRATION (ppmv)	DATE	METHANE CONCENTRATION (ppmv)	DATE	METHANE CONCENTRATION (ppmv)
MONITOR_OX_MTNwells_GRID_CP32_2022_Q1_Initial.csv	2/16/2022	CP32	37.496222	-122.412523	1597.7	2/17/2022	0.0	3/10/2022	20.3
MONITOR_OX_MTNwells_GRID_CP81_2022_Q1_Initial.csv	2/16/2022	CP81	37.496112	-122.412247	1295.8	2/17/2022	0.0	3/10/2022	81.1
MONITOR_OX_MTNwells_GRID_EW187_2022_Q1_Initial.csv	2/16/2022	EW187	37.497455	-122.412957	1729.2	2/17/2022	5.5	3/10/2022	0.0
MONITOR_OX_MTNwells_GRID_EW1906V_2022_Q1_Initial.csv	2/16/2022	**EW1906V	37.498770	-122.410310	736.5	2/17/2022	5.7	3/10/2022	15.8
MONITOR_OX_MTNwells_GRID_EW1908_2022_Q1_Initial.csv	2/16/2022	EW1908	37.499962	-122.411765	3497.9	2/17/2022	12.2	3/10/2022	55.4
MONITOR_OX_MTNwells_GRID_EW1910_2022_Q1_Initial.csv	2/16/2022	EW1910	37.501107	-122.411668	6536.5	2/17/2022	3.2	3/10/2022	0.0
MONITOR_OX_MTNwells_GRID_EW2019_2022_Q1_Initial.csv	2/16/2022	EW2019	37.500438	-122.411167	45826.6	2/17/2022	156.0	3/10/2022	6.6
MONITOR_OX_MTNwells_GRID_EW2023_2022_Q1_Initial.csv	2/15/2022	EW2023	37.498545	-122.409665	1549.4	2/17/2022	18.6	3/10/2022	13.8
MONITOR_OX_MTNwells_GRID_EW2025_2022_Q1_Initial.csv	2/16/2022	EW2025	37.499903	-122.410938	4652.9	2/17/2022	0.0	3/10/2022	100.1
MONITOR_OX_MTNwells_GRID_EW2027_2022_Q1_Initial.csv	2/16/2022	EW2027	37.500680	-122.410643	6494.0	2/17/2022	22.1	3/10/2022	48.7
MONITOR_OX_MTNwells_GRID_EW2031_2022_Q1_Initial.csv	2/15/2022	EW2031	37.499587	-122.412560	913.2	2/17/2022	4.6	3/10/2022	4.9
MONITOR_OX_MTNwells_GRID_EW2110_2022_Q1_Initial.csv	2/15/2022	*EW2110	37.498900	-122.410542	3892.5	2/17/2022	118.9	3/10/2022	131.2
MONITOR_OX_MTNwells_GRID_EW315_2022_Q1_Initial.csv	2/15/2022	EW315	37.497300	-122.408348	1412.5	2/17/2022	55.1	3/10/2022	31.8
MONITOR_ox_mtn_GRID_105_2022_Q1_Initial.csv	3/1/2022	85	37.502443	-122.411512	1229.6	3/2/2022	137.5	3/10/2022	0.0
MONITOR_ox_mtn_GRID_99_2022_Q1_Initial.csv	3/1/2022	22	37.502157	-122.410993	4302.5	3/2/2022	15.5	3/10/2022	4.5

Ox Mountain Landfill - 1Q2022

Exceedance Map

Legend

- Instantaneous Point >= 500PPM (Corrected)
- Integrated Grid >25PPMV (Corrected)

EW315
EW2023
EW1906V
EW2027
EW2025
EW2110
ID 22
EW2019
ID 85
EW1910
EW1908
EW2031
CP32
CP81
EW187

N

1000 ft

Google Earth

APPENDIX C

INTEGRATED MONITORING RESULTS

Table 1

SUMMARY OF INTEGRATED GRID INITIAL MONITORING

1Q2022 Ox Mountain Landfill

INITIAL MONITORING			
FILE NAME	**DATE**	**GRID NO.**	**INTEGRATED METHANE CONCENTRATION (ppmv)**
MONITOR_ox_mtn_GRID_1_2022_Q1_Initial.csv	2/25/2022	1	1.8
MONITOR_ox_mtn_GRID_2_2022_Q1_Initial.csv	2/25/2022	2	0.1
MONITOR_ox_mtn_GRID_3_2022_Q1_Initial.csv	2/25/2022	3	0.4
MONITOR_ox_mtn_GRID_4_2022_Q1_Initial.csv	2/25/2022	4	0.0
MONITOR_ox_mtn_GRID_5_2022_Q1_Initial.csv	2/25/2022	5	0.0
MONITOR_ox_mtn_GRID_6_2022_Q1_Initial.csv	2/25/2022	6	0.0
MONITOR_ox_mtn_GRID_7_2022_Q1_Initial.csv	2/25/2022	7	0.0
MONITOR_ox_mtn_GRID_8_2022_Q1_Initial.csv	2/25/2022	8	0.4
MONITOR_ox_mtn_GRID_9_2022_Q1_Initial.csv	2/25/2022	9	0.1
MONITOR_ox_mtn_GRID_10_2022_Q1_Initial.csv	2/25/2022	10	0.0
MONITOR_ox_mtn_GRID_11_2022_Q1_Initial.csv	2/25/2022	11	0.0
MONITOR_ox_mtn_GRID_12_2022_Q1_Initial.csv	3/1/2022	12	0.3
MONITOR_ox_mtn_GRID_13_2022_Q1_Initial.csv	2/25/2022	13	0.0
MONITOR_ox_mtn_GRID_14_2022_Q1_Initial.csv	3/1/2022	14	0.3
MONITOR_ox_mtn_GRID_15_2022_Q1_Initial.csv	3/1/2022	15	1.1
MONITOR_ox_mtn_GRID_16_2022_Q1_Initial.csv	2/25/2022	16	0.0
MONITOR_ox_mtn_GRID_17_2022_Q1_Initial.csv	3/1/2022	17	0.1
MONITOR_ox_mtn_GRID_18_2022_Q1_Initial.csv	2/25/2022	18	1.8
MONITOR_ox_mtn_GRID_19_2022_Q1_Initial.csv	3/1/2022	19	0.3
MONITOR_ox_mtn_GRID_20_2022_Q1_Initial.csv	3/1/2022	20	0.1
MONITOR_ox_mtn_GRID_23_2022_Q1_Initial.csv	2/25/2022	23	1.4
MONITOR_ox_mtn_GRID_24_2022_Q1_Initial.csv	3/1/2022	24	0.3
MONITOR_ox_mtn_GRID_25_2022_Q1_Initial.csv	3/1/2022	25	0.2
MONITOR_ox_mtn_GRID_27_2022_Q1_Initial.csv	3/1/2022	27	0.1
MONITOR_ox_mtn_GRID_29_2022_Q1_Initial.csv	3/1/2022	29	0.1
MONITOR_ox_mtn_GRID_32_2022_Q1_Initial.csv	3/10/2022	32	0.2
MONITOR_ox_mtn_GRID_33_2022_Q1_Initial.csv	3/10/2022	33	0.3
MONITOR_ox_mtn_GRID_34_2022_Q1_Initial.csv	3/1/2022	34	2.9
MONITOR_ox_mtn_GRID_35_2022_Q1_Initial.csv	3/1/2022	35	1.5
MONITOR_ox_mtn_GRID_36_2022_Q1_Initial.csv	3/1/2022	36	0.1
MONITOR_ox_mtn_GRID_39_2022_Q1_Initial.csv	3/10/2022	39	1.9
MONITOR_ox_mtn_GRID_40_2022_Q1_Initial.csv	3/10/2022	40	1.2
MONITOR_ox_mtn_GRID_41_2022_Q1_Initial.csv	3/1/2022	41	2.2
MONITOR_ox_mtn_GRID_42_2022_Q1_Initial.csv	3/1/2022	42	9.6
MONITOR_ox_mtn_GRID_43_2022_Q1_Initial.csv	3/1/2022	43	0.3
MONITOR_ox_mtn_GRID_46_2022_Q1_Initial.csv	3/10/2022	46	2.1
MONITOR_ox_mtn_GRID_47_2022_Q1_Initial.csv	3/1/2022	47	21.2
MONITOR_ox_mtn_GRID_48_2022_Q1_Initial.csv	3/1/2022	48	1.0
MONITOR_ox_mtn_GRID_49_2022_Q1_Initial.csv	3/1/2022	49	0.3
MONITOR_ox_mtn_GRID_52_2022_Q1_Initial.csv	3/10/2022	52	7.2
MONITOR_ox_mtn_GRID_53_2022_Q1_Initial.csv	3/10/2022	53	4.0
MONITOR_ox_mtn_GRID_54_2022_Q1_Initial.csv	3/9/2022	54	0.1

Table 1

SUMMARY OF INTEGRATED GRID INITIAL MONITORING

1Q2022 Ox Mountain Landfill

INITIAL MONITORING			
FILE NAME	**DATE**	**GRID NO.**	**INTEGRATED METHANE CONCENTRATION (ppmv)**
MONITOR_ox_mtn_GRID_55_2022_Q1_Initial.csv	3/1/2022	55	6.3
MONITOR_ox_mtn_GRID_56_2022_Q1_Initial.csv	3/1/2022	56	7.8
MONITOR_ox_mtn_GRID_61_2022_Q1_Initial.csv	3/10/2022	61	4.8
MONITOR_ox_mtn_GRID_62_2022_Q1_Initial.csv	3/10/2022	62	2.6
MONITOR_ox_mtn_GRID_63_2022_Q1_Initial.csv	3/1/2022	63	6.3
MONITOR_ox_mtn_GRID_64_2022_Q1_Initial.csv	3/1/2022	64	4.5
MONITOR_ox_mtn_GRID_68_2022_Q1_Initial.csv	3/10/2022	68	4.8
MONITOR_ox_mtn_GRID_69_2022_Q1_Initial.csv	3/10/2022	69	1.9
MONITOR_ox_mtn_GRID_70_2022_Q1_Initial.csv	3/9/2022	70	0.1
MONITOR_ox_mtn_GRID_71_2022_Q1_Initial.csv	3/1/2022	71	2.6
MONITOR_ox_mtn_GRID_72_2022_Q1_Initial.csv	3/1/2022	72	6.7
MONITOR_ox_mtn_GRID_76_2022_Q1_Initial.csv	3/10/2022	76	13.8
MONITOR_ox_mtn_GRID_77_2022_Q1_Initial.csv	3/10/2022	77	0.6
MONITOR_ox_mtn_GRID_83_2022_Q1_Initial.csv	3/10/2022	83	12.9
MONITOR_ox_mtn_GRID_84_2022_Q1_Initial.csv	3/10/2022	84	0.6
MONITOR_ox_mtn_GRID_85_2022_Q1_Initial.csv	3/9/2022	85	0.7
MONITOR_ox_mtn_GRID_86_2022_Q1_Initial.csv	3/1/2022	86	24.4
MONITOR_ox_mtn_GRID_90_2022_Q1_Initial.csv	3/10/2022	90	11.2
MONITOR_ox_mtn_GRID_91_2022_Q1_Initial.csv	3/10/2022	91	0.8
MONITOR_ox_mtn_GRID_92_2022_Q1_Initial.csv	3/1/2022	92	13.1
MONITOR_ox_mtn_GRID_93_2022_Q1_Initial.csv	3/1/2022	93	9.8
MONITOR_ox_mtn_GRID_94_2022_Q1_Initial.csv	3/1/2022	94	0.0
MONITOR_ox_mtn_GRID_96_2022_Q1_Initial.csv	3/10/2022	96	14.7
MONITOR_ox_mtn_GRID_97_2022_Q1_Initial.csv	3/10/2022	97	0.4
MONITOR_ox_mtn_GRID_98_2022_Q1_Initial.csv	3/1/2022	98	15.8
MONITOR_ox_mtn_GRID_99_2022_Q1_Initial.csv	3/1/2022	99	28.6
MONITOR_ox_mtn_GRID_102_2022_Q1_Initial.csv	3/2/2022	102	1.2
MONITOR_ox_mtn_GRID_103_2022_Q1_Initial.csv	3/2/2022	103	1.4
MONITOR_ox_mtn_GRID_104_2022_Q1_Initial.csv	3/1/2022	104	14.9
MONITOR_ox_mtn_GRID_105_2022_Q1_Initial.csv	3/1/2022	105	35.1
MONITOR_ox_mtn_GRID_108_2022_Q1_Initial.csv	3/2/2022	108	4.8
MONITOR_ox_mtn_GRID_109_2022_Q1_Initial.csv	3/2/2022	109	9.9
MONITOR_ox_mtn_GRID_110_2022_Q1_Initial.csv	3/1/2022	110	6.3
MONITOR_ox_mtn_GRID_111_2022_Q1_Initial.csv	3/1/2022	111	27.3
MONITOR_ox_mtn_GRID_114_2022_Q1_Initial.csv	3/2/2022	114	3.9
MONITOR_ox_mtn_GRID_115_2022_Q1_Initial.csv	3/2/2022	115	3.7
MONITOR_ox_mtn_GRID_116_2022_Q1_Initial.csv	3/1/2022	116	9.0
MONITOR_ox_mtn_GRID_117_2022_Q1_Initial.csv	3/1/2022	117	24.5
MONITOR_ox_mtn_GRID_118_2022_Q1_Initial.csv	3/9/2022	118	12.3
MONITOR_ox_mtn_GRID_119_2022_Q1_Initial.csv	3/9/2022	119	19.9
MONITOR_ox_mtn_GRID_120_2022_Q1_Initial.csv	3/2/2022	120	1.4
MONITOR_ox_mtn_GRID_121_2022_Q1_Initial.csv	3/2/2022	121	0.3

Table 1

SUMMARY OF INTEGRATED GRID INITIAL MONITORING

1Q2022 Ox Mountain Landfill

INITIAL MONITORING			
FILE NAME	**DATE**	**GRID NO.**	**INTEGRATED METHANE CONCENTRATION (ppmv)**
MONITOR_ox_mtn_GRID_123_2022_Q1_Initial.csv	3/1/2022	123	11.1
MONITOR_ox_mtn_GRID_124_2022_Q1_Initial.csv	3/2/2022	124	38.0
MONITOR_ox_mtn_GRID_125_2022_Q1_Initial.csv	3/9/2022	125	8.7
MONITOR_ox_mtn_GRID_126_2022_Q1_Initial.csv	3/2/2022	126	7.6
MONITOR_ox_mtn_GRID_127_2022_Q1_Initial.csv	3/2/2022	127	0.3
MONITOR_ox_mtn_GRID_128_2022_Q1_Initial.csv	3/2/2022	128	5.0
MONITOR_ox_mtn_GRID_129_2022_Q1_Initial.csv	3/1/2022	129	3.6
MONITOR_ox_mtn_GRID_130_2022_Q1_Initial.csv	3/2/2022	130	13.9
MONITOR_ox_mtn_GRID_131_2022_Q1_Initial.csv	3/9/2022	131	15.6
MONITOR_ox_mtn_GRID_132_2022_Q1_Initial.csv	3/2/2022	132	4.1
MONITOR_ox_mtn_GRID_133_2022_Q1_Initial.csv	3/2/2022	133	0.2
MONITOR_ox_mtn_GRID_134_2022_Q1_Initial.csv	3/1/2022	134	3.8
MONITOR_ox_mtn_GRID_135_2022_Q1_Initial.csv	3/2/2022	135	15.0
MONITOR_ox_mtn_GRID_136_2022_Q1_Initial.csv	3/9/2022	136	1.2
MONITOR_ox_mtn_GRID_137_2022_Q1_Initial.csv	3/2/2022	137	3.4
MONITOR_ox_mtn_GRID_138_2022_Q1_Initial.csv	3/2/2022	138	2.5
MONITOR_ox_mtn_GRID_139_2022_Q1_Initial.csv	3/1/2022	139	9.2
MONITOR_ox_mtn_GRID_140_2022_Q1_Initial.csv	3/2/2022	140	8.0
MONITOR_ox_mtn_GRID_141_2022_Q1_Initial.csv	3/9/2022	141	0.2
MONITOR_ox_mtn_GRID_142_2022_Q1_Initial.csv	3/2/2022	142	1.9
MONITOR_ox_mtn_GRID_143_2022_Q1_Initial.csv	3/2/2022	143	0.3
MONITOR_ox_mtn_GRID_144_2022_Q1_Initial.csv	3/1/2022	144	10.2
MONITOR_ox_mtn_GRID_145_2022_Q1_Initial.csv	3/2/2022	145	2.2
MONITOR_ox_mtn_GRID_146_2022_Q1_Initial.csv	3/9/2022	146	0.4
MONITOR_ox_mtn_GRID_147_2022_Q1_Initial.csv	3/2/2022	147	0.5
MONITOR_ox_mtn_GRID_148_2022_Q1_Initial.csv	3/2/2022	148	0.0
MONITOR_ox_mtn_GRID_149_2022_Q1_Initial.csv	3/1/2022	149	1.1
MONITOR_ox_mtn_GRID_150_2022_Q1_Initial.csv	3/2/2022	150	9.4
MONITOR_ox_mtn_GRID_151_2022_Q1_Initial.csv	3/2/2022	151	0.9
MONITOR_ox_mtn_GRID_152_2022_Q1_Initial.csv	3/2/2022	152	0.7
MONITOR_ox_mtn_GRID_153_2022_Q1_Initial.csv	3/2/2022	153	0.2
MONITOR_ox_mtn_GRID_154_2022_Q1_Initial.csv	3/1/2022	154	5.2
MONITOR_ox_mtn_GRID_155_2022_Q1_Initial.csv	3/2/2022	155	1.1
MONITOR_ox_mtn_GRID_156_2022_Q1_Initial.csv	3/2/2022	156	1.0
MONITOR_ox_mtn_GRID_157_2022_Q1_Initial.csv	3/2/2022	157	0.1
MONITOR_ox_mtn_GRID_158_2022_Q1_Initial.csv	3/2/2022	158	0.2
MONITOR_ox_mtn_GRID_159_2022_Q1_Initial.csv	3/2/2022	159	0.2
MONITOR_ox_mtn_GRID_160_2022_Q1_Initial.csv	3/2/2022	160	9.5
MONITOR_ox_mtn_GRID_161_2022_Q1_Initial.csv	3/2/2022	161	0.1
MONITOR_ox_mtn_GRID_162_2022_Q1_Initial.csv	3/2/2022	162	0.0
MONITOR_ox_mtn_GRID_163_2022_Q1_Initial.csv	3/2/2022	163	16.7
MONITOR_ox_mtn_GRID_164_2022_Q1_Initial.csv	3/2/2022	164	14.4

Table 2

SUMMARY OF INTEGRATED GRID REMONITORING
FOR METHANE CONCENTRATIONS ≥25 PPMV
1Q2022 Ox Mountain Landfill

INITIAL MONITORING			FIRST 10DAY		SECOND 10DAY	
LOCATION	**DATE**	**METHANE CONCENTRATION (ppmv)**	**DATE**	**METHANE CONCENTRATION (ppmv)**	**DATE**	**METHANE CONCENTRATION (ppmv)**
Grid 99	3/1/2022	28.6	3/10/2022	4.5	NA	NA
Grid 105	3/1/2022	35.1	3/10/2022	3.8	NA	NA
Grid 111	3/1/2022	27.3	3/10/2022	3.6	NA	NA
Grid 124	3/2/2022	38.0	3/9/2022	23.6	NA	NA

Ox Mountain Landfill - 1Q2022

Exceedance Map

Legend

- Instantaneous Point >= 500PPM (Corrected)
- Integrated Grid >25PPMV (Corrected)

EW315
EW2023
EW1906V
EW2027
EW2025
EW2110
ID 22
EW2019
ID 85
EW1910
EW1908
EW2031
CP32
CP81
EW187

N

1000 ft

Google Earth

APPENDIX D

CALIBRATION LOGS

TETRA TECH

SEM Calibration Summary
Ox Mountain
Q1 2022 SEM

MONITORING TYPE	OPERATOR NAME	INSTRUMENT ID	FILE SAVE TIME	AVG PRECISION (%)	AVG RESPONSE TIME (SECONDS)
VERIFICATION SUMMARY	FSI	886B0F62C147	2/15/2022 8:13	0.3	5

MONITORING TYPE	CAL GAS SERIAL NUMBER	CAL GAS TYPE	CAL GAS CONCENTRATION (ppmv)	DETECTOR CONCENTRATION (ppmv)	DIFFERENCE (ppmv)	DIFFERENCE (%)	ZERO AIR PPM	TIMESTAMP	INSTRUMENT ID
PRECISION MEASUREMENT		CH4 (Methane)	500	500.8	0.8	0.2	0	2/15/2022 8:11	886B0F62C147
PRECISION MEASUREMENT		CH4 (Methane)	500	501.3	1.3	0.3	0	2/15/2022 8:11	886B0F62C147
PRECISION MEASUREMENT		CH4 (Methane)	500	501.8	1.8	0.4	0	2/15/2022 8:12	886B0F62C147

MONITORING TYPE	CAL GAS SERIAL NUMBER	CAL GAS TYPE	CAL GAS CONCENTRATION (ppmv)	TARGET CONCENTRATION (ppmv)	INITIAL CONCENTRATION (ppmv)	RESPONSE TIME (seconds)	TIMESTAMP	INSTRUMENT ID
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	476.2	0	6	2/15/2022 8:12	886B0F62C147
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	476.2	0	4	2/15/2022 8:12	886B0F62C147
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	476.2	0	5	2/15/2022 8:13	886B0F62C147

MONITORING TYPE	OPERATOR NAME	INSTRUMENT ID	FILE SAVE TIME	AVG PRECISION (%)	AVG RESPONSE TIME (SECONDS)
VERIFICATION SUMMARY	v	000780DABAC4	2/15/2022 8:33	-1.8	5.3

MONITORING TYPE	CAL GAS SERIAL NUMBER	CAL GAS TYPE	CAL GAS CONCENTRATION (ppmv)	DETECTOR CONCENTRATION (ppmv)	DIFFERENCE (ppmv)	DIFFERENCE (%)	ZERO AIR PPM	TIMESTAMP	INSTRUMENT ID
PRECISION MEASUREMENT		CH4 (Methane)	500	485.2	-14.8	-3	0	2/15/2022 8:31	000780DABAC4
PRECISION MEASUREMENT		CH4 (Methane)	500	492.4	-7.6	-1.5	0	2/15/2022 8:31	000780DABAC4
PRECISION MEASUREMENT		CH4 (Methane)	500	495.5	-4.5	-0.9	0	2/15/2022 8:32	000780DABAC4

MONITORING TYPE	CAL GAS SERIAL NUMBER	CAL GAS TYPE	CAL GAS CONCENTRATION (ppmv)	TARGET CONCENTRATION (ppmv)	INITIAL CONCENTRATION (ppmv)	RESPONSE TIME (seconds)	TIMESTAMP	INSTRUMENT ID
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	466.5	0	5	2/15/2022 8:32	000780DABAC4
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	466.5	0	6	2/15/2022 8:32	000780DABAC4
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	466.5	0	5	2/15/2022 8:33	000780DABAC4

MONITORING TYPE	OPERATOR NAME	INSTRUMENT ID	FILE SAVE TIME	AVG PRECISION (%)	AVG RESPONSE TIME (SECONDS)
VERIFICATION SUMMARY	FSI	886B0FA6E6F6	2/15/2022 8:33	-1.4	5

MONITORING TYPE	CAL GAS SERIAL NUMBER	CAL GAS TYPE	CAL GAS CONCENTRATION (ppmv)	DETECTOR CONCENTRATION (ppmv)	DIFFERENCE (ppmv)	DIFFERENCE (%)	ZERO AIR PPM	TIMESTAMP	INSTRUMENT ID
PRECISION MEASUREMENT		CH4 (Methane)	500	491.7	-8.3	-1.7	0	2/15/2022 8:31	886B0FA6E6F6
PRECISION MEASUREMENT		CH4 (Methane)	500	493.1	-6.9	-1.4	0	2/15/2022 8:31	886B0FA6E6F6
PRECISION MEASUREMENT		CH4 (Methane)	500	494	-6	-1.2	0	2/15/2022 8:32	886B0FA6E6F6

MONITORING TYPE	CAL GAS SERIAL NUMBER	CAL GAS TYPE	CAL GAS CONCENTRATION (ppmv)	TARGET CONCENTRATION (ppmv)	INITIAL CONCENTRATION (ppmv)	RESPONSE TIME (seconds)	TIMESTAMP	INSTRUMENT ID
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	468.3	0	5	2/15/2022 8:32	886B0FA6E6F6
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	468.3	0	4	2/15/2022 8:32	886B0FA6E6F6
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	468.3	0	6	2/15/2022 8:33	886B0FA6E6F6

MONITORING TYPE	OPERATOR NAME	INSTRUMENT ID	FILE SAVE TIME	AVG PRECISION (%)	AVG RESPONSE TIME (SECONDS)
VERIFICATION SUMMARY	FSI	886B0F62C147	2/16/2022 8:16	0	4.7

MONITORING TYPE	CAL GAS SERIAL NUMBER	CAL GAS TYPE	CAL GAS CONCENTRATION (ppmv)	DETECTOR CONCENTRATION (ppmv)	DIFFERENCE (ppmv)	DIFFERENCE (%)	ZERO AIR PPM	TIMESTAMP	INSTRUMENT ID
PRECISION MEASUREMENT		CH4 (Methane)	500	501.2	1.2	0.2	0	2/16/2022 8:14	886B0F62C147
PRECISION MEASUREMENT		CH4 (Methane)	500	501.1	1.1	0.2	0	2/16/2022 8:15	886B0F62C147
PRECISION MEASUREMENT		CH4 (Methane)	500	497.7	-2.3	-0.5	0	2/16/2022 8:15	886B0F62C147

MONITORING TYPE	CAL GAS SERIAL NUMBER	CAL GAS TYPE	CAL GAS CONCENTRATION (ppmv)	TARGET CONCENTRATION (ppmv)	INITIAL CONCENTRATION (ppmv)	RESPONSE TIME (seconds)	TIMESTAMP	INSTRUMENT ID
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	475	0	4	2/16/2022 8:15	886B0F62C147
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	475	0	5	2/16/2022 8:16	886B0F62C147
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	475	0	5	2/16/2022 8:16	886B0F62C147

MONITORING TYPE	OPERATOR NAME	INSTRUMENT ID	FILE SAVE TIME	AVG PRECISION (%)	AVG RESPONSE TIME (SECONDS)
VERIFICATION SUMMARY	v	000780DABAC4	2/16/2022 8:19	0.6	5.7

MONITORING TYPE	CAL GAS SERIAL NUMBER	CAL GAS TYPE	CAL GAS CONCENTRATION (ppmv)	DETECTOR CONCENTRATION (ppmv)	DIFFERENCE (ppmv)	DIFFERENCE (%)	ZERO AIR PPM	TIMESTAMP	INSTRUMENT ID
PRECISION MEASUREMENT		CH4 (Methane)	500	501.7	1.7	0.3	0	2/16/2022 8:15	000780DABAC4
PRECISION MEASUREMENT		CH4 (Methane)	500	502.5	2.5	0.5	0	2/16/2022 8:16	000780DABAC4
PRECISION MEASUREMENT		CH4 (Methane)	500	504.5	4.5	0.9	1.5	2/16/2022 8:16	000780DABAC4

MONITORING TYPE	CAL GAS SERIAL NUMBER	CAL GAS TYPE	CAL GAS CONCENTRATION (ppmv)	TARGET CONCENTRATION (ppmv)	INITIAL CONCENTRATION (ppmv)	RESPONSE TIME (seconds)	TIMESTAMP	INSTRUMENT ID
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	477.7	0	6	2/16/2022 8:17	000780DABAC4
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	477.7	1.3	5	2/16/2022 8:17	000780DABAC4
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	477.7	1.1	6	2/16/2022 8:18	000780DABAC4

MONITORING TYPE	OPERATOR NAME	INSTRUMENT ID	FILE SAVE TIME	AVG PRECISION (%)	AVG RESPONSE TIME (SECONDS)
VERIFICATION SUMMARY	FSI	886B0FA6E6F6	2/16/2022 8:30	-0.2	5.7

MONITORING TYPE	CAL GAS SERIAL NUMBER	CAL GAS TYPE	CAL GAS CONCENTRATION (ppmv)	DETECTOR CONCENTRATION (ppmv)	DIFFERENCE (ppmv)	DIFFERENCE (%)	ZERO AIR PPM	TIMESTAMP	INSTRUMENT ID
PRECISION MEASUREMENT		CH4 (Methane)	500	498.7	-1.3	-0.3	0	2/16/2022 8:26	886B0FA6E6F6
PRECISION MEASUREMENT		CH4 (Methane)	500	500.4	0.4	0.1	0	2/16/2022 8:26	886B0FA6E6F6
PRECISION MEASUREMENT		CH4 (Methane)	500	498.2	-1.8	-0.4	0	2/16/2022 8:27	886B0FA6E6F6

MONITORING TYPE	CAL GAS SERIAL NUMBER	CAL GAS TYPE	CAL GAS CONCENTRATION (ppmv)	TARGET CONCENTRATION (ppmv)	INITIAL CONCENTRATION (ppmv)	RESPONSE TIME (seconds)	TIMESTAMP	INSTRUMENT ID
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	474.1	0	6	2/16/2022 8:27	886B0FA6E6F6
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	474.1	0	6	2/16/2022 8:29	886B0FA6E6F6
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	474.1	0	5	2/16/2022 8:30	886B0FA6E6F6

MONITORING TYPE	OPERATOR NAME	INSTRUMENT ID	FILE SAVE TIME	AVG PRECISION (%)	AVG RESPONSE TIME (SECONDS)
VERIFICATION SUMMARY	v	000780DABAC4	2/17/2022 8:14	-1.1	5.3

MONITORING TYPE	CAL GAS SERIAL NUMBER	CAL GAS TYPE	CAL GAS CONCENTRATION (ppmv)	DETECTOR CONCENTRATION (ppmv)	DIFFERENCE (ppmv)	DIFFERENCE (%)	ZERO AIR PPM	TIMESTAMP	INSTRUMENT ID
PRECISION MEASUREMENT		CH4 (Methane)	500	487.9	-12.1	-2.4	0	2/17/2022 8:12	000780DABAC4
PRECISION MEASUREMENT		CH4 (Methane)	500	496.4	-3.6	-0.7	0	2/17/2022 8:12	000780DABAC4
PRECISION MEASUREMENT		CH4 (Methane)	500	498.7	-1.3	-0.3	0	2/17/2022 8:13	000780DABAC4

MONITORING TYPE	CAL GAS SERIAL NUMBER	CAL GAS TYPE	CAL GAS CONCENTRATION (ppmv)	TARGET CONCENTRATION (ppmv)	INITIAL CONCENTRATION (ppmv)	RESPONSE TIME (seconds)	TIMESTAMP	INSTRUMENT ID
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	469.6	0	5	2/17/2022 8:13	000780DABAC4
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	469.6	0	5	2/17/2022 8:13	000780DABAC4
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	469.6	0	6	2/17/2022 8:14	000780DABAC4

MONITORING TYPE	OPERATOR NAME	INSTRUMENT ID	FILE SAVE TIME	AVG PRECISION (%)	AVG RESPONSE TIME (SECONDS)
VERIFICATION SUMMARY	v	000780DABAC4	2/18/2022 9:40	-0.3	5

MONITORING TYPE	CAL GAS SERIAL NUMBER	CAL GAS TYPE	CAL GAS CONCENTRATION (ppmv)	DETECTOR CONCENTRATION (ppmv)	DIFFERENCE (ppmv)	DIFFERENCE (%)	ZERO AIR PPM	TIMESTAMP	INSTRUMENT ID
PRECISION MEASUREMENT		CH4 (Methane)	500	499.7	-0.3	-0.1	0	2/18/2022 9:38	000780DABAC4
PRECISION MEASUREMENT		CH4 (Methane)	500	496	-4	-0.8	0	2/18/2022 9:39	000780DABAC4
PRECISION MEASUREMENT		CH4 (Methane)	500	499.1	-0.9	-0.2	0	2/18/2022 9:39	000780DABAC4

MONITORING TYPE	CAL GAS SERIAL NUMBER	CAL GAS TYPE	CAL GAS CONCENTRATION (ppmv)	TARGET CONCENTRATION (ppmv)	INITIAL CONCENTRATION (ppmv)	RESPONSE TIME (seconds)	TIMESTAMP	INSTRUMENT ID
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	473.3	0	5	2/18/2022 9:39	000780DABAC4
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	473.3	0	6	2/18/2022 9:40	000780DABAC4
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	473.3	0	4	2/18/2022 9:40	000780DABAC4

MONITORING TYPE	OPERATOR NAME	INSTRUMENT ID	FILE SAVE TIME	AVG PRECISION (%)	AVG RESPONSE TIME (SECONDS)
VERIFICATION SUMMARY	v	000780DABAC4	2/25/2022 9:07	-1.8	5

MONITORING TYPE	CAL GAS SERIAL NUMBER	CAL GAS TYPE	CAL GAS CONCENTRATION (ppmv)	DETECTOR CONCENTRATION (ppmv)	DIFFERENCE (ppmv)	DIFFERENCE (%)	ZERO AIR PPM	TIMESTAMP	INSTRUMENT ID
PRECISION MEASUREMENT		CH4 (Methane)	500	498	-2	-0.4	0	2/25/2022 9:02	000780DABAC4
PRECISION MEASUREMENT		CH4 (Methane)	500	488.6	-11.4	-2.3	0	2/25/2022 9:03	000780DABAC4
PRECISION MEASUREMENT		CH4 (Methane)	500	487	-13	-2.6	0	2/25/2022 9:05	000780DABAC4

MONITORING TYPE	CAL GAS SERIAL NUMBER	CAL GAS TYPE	CAL GAS CONCENTRATION (ppmv)	TARGET CONCENTRATION (ppmv)	INITIAL CONCENTRATION (ppmv)	RESPONSE TIME (seconds)	TIMESTAMP	INSTRUMENT ID
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	466.6	0	6	2/25/2022 9:06	000780DABAC4
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	466.6	0	4	2/25/2022 9:07	000780DABAC4
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	466.6	0	5	2/25/2022 9:07	000780DABAC4

MONITORING TYPE	OPERATOR NAME	INSTRUMENT ID	FILE SAVE TIME	AVG PRECISION (%)	AVG RESPONSE TIME (SECONDS)
VERIFICATION SUMMARY	v	000780DABAC4	3/1/2022 8:10	0.1	5

MONITORING TYPE	CAL GAS SERIAL NUMBER	CAL GAS TYPE	CAL GAS CONCENTRATION (ppmv)	DETECTOR CONCENTRATION (ppmv)	DIFFERENCE (ppmv)	DIFFERENCE (%)	ZERO AIR PPM	TIMESTAMP	INSTRUMENT ID
PRECISION MEASUREMENT		CH4 (Methane)	500	498.7	-1.3	-0.3	0	3/1/2022 8:08	000780DABAC4
PRECISION MEASUREMENT		CH4 (Methane)	500	499.3	-0.7	-0.1	0	3/1/2022 8:08	000780DABAC4
PRECISION MEASUREMENT		CH4 (Methane)	500	503.4	3.4	0.7	0	3/1/2022 8:09	000780DABAC4

MONITORING TYPE	CAL GAS SERIAL NUMBER	CAL GAS TYPE	CAL GAS CONCENTRATION (ppmv)	TARGET CONCENTRATION (ppmv)	INITIAL CONCENTRATION (ppmv)	RESPONSE TIME (seconds)	TIMESTAMP	INSTRUMENT ID
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	475.4	0	5	3/1/2022 8:09	000780DABAC4
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	475.4	0	4	3/1/2022 8:09	000780DABAC4
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	475.4	0	6	3/1/2022 8:10	000780DABAC4

MONITORING TYPE	OPERATOR NAME	INSTRUMENT ID	FILE SAVE TIME	AVG PRECISION (%)	AVG RESPONSE TIME (SECONDS)
VERIFICATION SUMMARY	FSI	886B0FA6E6F6	3/1/2022 8:15	-0.8	5

MONITORING TYPE	CAL GAS SERIAL NUMBER	CAL GAS TYPE	CAL GAS CONCENTRATION (ppmv)	DETECTOR CONCENTRATION (ppmv)	DIFFERENCE (ppmv)	DIFFERENCE (%)	ZERO AIR PPM	TIMESTAMP	INSTRUMENT ID
PRECISION MEASUREMENT		CH4 (Methane)	500	499.9	-0.1	0	0	3/1/2022 8:14	886B0FA6E6F6
PRECISION MEASUREMENT		CH4 (Methane)	500	491.7	-8.3	-1.7	1.5	3/1/2022 8:14	886B0FA6E6F6
PRECISION MEASUREMENT		CH4 (Methane)	500	496.4	-3.6	-0.7	0	3/1/2022 8:14	886B0FA6E6F6

MONITORING TYPE	CAL GAS SERIAL NUMBER	CAL GAS TYPE	CAL GAS CONCENTRATION (ppmv)	TARGET CONCENTRATION (ppmv)	INITIAL CONCENTRATION (ppmv)	RESPONSE TIME (seconds)	TIMESTAMP	INSTRUMENT ID
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	471.2	0	5	3/1/2022 8:15	886B0FA6E6F6
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	471.2	0	5	3/1/2022 8:15	886B0FA6E6F6
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	471.2	0	5	3/1/2022 8:15	886B0FA6E6F6

MONITORING TYPE	OPERATOR NAME	INSTRUMENT ID	FILE SAVE TIME	AVG PRECISION (%)	AVG RESPONSE TIME (SECONDS)
VERIFICATION SUMMARY	FSI	886B0F62C147	3/1/2022 8:16	-0.2	5.3

MONITORING TYPE	CAL GAS SERIAL NUMBER	CAL GAS TYPE	CAL GAS CONCENTRATION (ppmv)	DETECTOR CONCENTRATION (ppmv)	DIFFERENCE (ppmv)	DIFFERENCE (%)	ZERO AIR PPM	TIMESTAMP	INSTRUMENT ID
PRECISION MEASUREMENT		CH4 (Methane)	500	499.5	-0.5	-0.1	0	3/1/2022 8:14	886B0F62C147
PRECISION MEASUREMENT		CH4 (Methane)	500	499.7	-0.3	-0.1	0	3/1/2022 8:15	886B0F62C147
PRECISION MEASUREMENT		CH4 (Methane)	500	497.8	-2.2	-0.4	0	3/1/2022 8:15	886B0F62C147

MONITORING TYPE	CAL GAS SERIAL NUMBER	CAL GAS TYPE	CAL GAS CONCENTRATION (ppmv)	TARGET CONCENTRATION (ppmv)	INITIAL CONCENTRATION (ppmv)	RESPONSE TIME (seconds)	TIMESTAMP	INSTRUMENT ID
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	474	0	5	3/1/2022 8:15	886B0F62C147
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	474	0	5	3/1/2022 8:16	886B0F62C147
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	474	0	6	3/1/2022 8:16	886B0F62C147

MONITORING TYPE	OPERATOR NAME	INSTRUMENT ID	FILE SAVE TIME	AVG PRECISION (%)	AVG RESPONSE TIME (SECONDS)
VERIFICATION SUMMARY	v	000780DABAC4	3/2/2022 8:16	1	5.7

MONITORING TYPE	CAL GAS SERIAL NUMBER	CAL GAS TYPE	CAL GAS CONCENTRATION (ppmv)	DETECTOR CONCENTRATION (ppmv)	DIFFERENCE (ppmv)	DIFFERENCE (%)	ZERO AIR PPM	TIMESTAMP	INSTRUMENT ID
PRECISION MEASUREMENT		CH4 (Methane)	500	504.9	4.9	1	0	3/2/2022 8:13	000780DABAC4
PRECISION MEASUREMENT		CH4 (Methane)	500	505.4	5.4	1.1	0	3/2/2022 8:13	000780DABAC4
PRECISION MEASUREMENT		CH4 (Methane)	500	504.2	4.2	0.8	1	3/2/2022 8:14	000780DABAC4

MONITORING TYPE	CAL GAS SERIAL NUMBER	CAL GAS TYPE	CAL GAS CONCENTRATION (ppmv)	TARGET CONCENTRATION (ppmv)	INITIAL CONCENTRATION (ppmv)	RESPONSE TIME (seconds)	TIMESTAMP	INSTRUMENT ID
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	479.6	1.2	5	3/2/2022 8:14	000780DABAC4
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	479.6	0	6	3/2/2022 8:16	000780DABAC4
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	479.6	0	6	3/2/2022 8:16	000780DABAC4

MONITORING TYPE	OPERATOR NAME	INSTRUMENT ID	FILE SAVE TIME	AVG PRECISION (%)	AVG RESPONSE TIME (SECONDS)
VERIFICATION SUMMARY	FSI	886B0F62C147	3/2/2022 8:18	0.2	4.7

MONITORING TYPE	CAL GAS SERIAL NUMBER	CAL GAS TYPE	CAL GAS CONCENTRATION (ppmv)	DETECTOR CONCENTRATION (ppmv)	DIFFERENCE (ppmv)	DIFFERENCE (%)	ZERO AIR PPM	TIMESTAMP	INSTRUMENT ID
PRECISION MEASUREMENT		CH4 (Methane)	500	502.3	2.3	0.5	0	3/2/2022 8:11	886B0F62C147
PRECISION MEASUREMENT		CH4 (Methane)	500	500.9	0.9	0.2	0	3/2/2022 8:16	886B0F62C147
PRECISION MEASUREMENT		CH4 (Methane)	500	499.2	-0.8	-0.2	0	3/2/2022 8:17	886B0F62C147

MONITORING TYPE	CAL GAS SERIAL NUMBER	CAL GAS TYPE	CAL GAS CONCENTRATION (ppmv)	TARGET CONCENTRATION (ppmv)	INITIAL CONCENTRATION (ppmv)	RESPONSE TIME (seconds)	TIMESTAMP	INSTRUMENT ID
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	475.7	1.5	5	3/2/2022 8:17	886B0F62C147
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	475.7	2.1	4	3/2/2022 8:17	886B0F62C147
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	475.7	3.3	5	3/2/2022 8:18	886B0F62C147

MONITORING TYPE	OPERATOR NAME	INSTRUMENT ID	FILE SAVE TIME	AVG PRECISION (%)	AVG RESPONSE TIME (SECONDS)
VERIFICATION SUMMARY	FSI	886B0FA6E6F6	3/2/2022 8:22	0.3	5

MONITORING TYPE	CAL GAS SERIAL NUMBER	CAL GAS TYPE	CAL GAS CONCENTRATION (ppmv)	DETECTOR CONCENTRATION (ppmv)	DIFFERENCE (ppmv)	DIFFERENCE (%)	ZERO AIR PPM	TIMESTAMP	INSTRUMENT ID
PRECISION MEASUREMENT		CH4 (Methane)	500	507.7	7.7	1.5	0	3/2/2022 8:20	886B0FA6E6F6
PRECISION MEASUREMENT		CH4 (Methane)	500	496.3	-3.7	-0.7	0	3/2/2022 8:21	886B0FA6E6F6
PRECISION MEASUREMENT		CH4 (Methane)	500	500.5	0.5	0.1	0	3/2/2022 8:21	886B0FA6E6F6

MONITORING TYPE	CAL GAS SERIAL NUMBER	CAL GAS TYPE	CAL GAS CONCENTRATION (ppmv)	TARGET CONCENTRATION (ppmv)	INITIAL CONCENTRATION (ppmv)	RESPONSE TIME (seconds)	TIMESTAMP	INSTRUMENT ID
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	476.4	0	5	3/2/2022 8:21	886B0FA6E6F6
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	476.4	0	5	3/2/2022 8:22	886B0FA6E6F6
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	476.4	0	5	3/2/2022 8:22	886B0FA6E6F6

MONITORING TYPE	OPERATOR NAME	INSTRUMENT ID	FILE SAVE TIME	AVG PRECISION (%)	AVG RESPONSE TIME (SECONDS)
VERIFICATION SUMMARY	FSI	886B0FA6E6F6	3/9/2022 9:36	-0.2	5

MONITORING TYPE	CAL GAS SERIAL NUMBER	CAL GAS TYPE	CAL GAS CONCENTRATION (ppmv)	DETECTOR CONCENTRATION (ppmv)	DIFFERENCE (ppmv)	DIFFERENCE (%)	ZERO AIR PPM	TIMESTAMP	INSTRUMENT ID
PRECISION MEASUREMENT		CH4 (Methane)	500	499.5	-0.5	-0.1	0	3/9/2022 9:34	886B0FA6E6F6
PRECISION MEASUREMENT		CH4 (Methane)	500	498.9	-1.1	-0.2	0	3/9/2022 9:34	886B0FA6E6F6
PRECISION MEASUREMENT		CH4 (Methane)	500	498.6	-1.4	-0.3	1.1	3/9/2022 9:35	886B0FA6E6F6

MONITORING TYPE	CAL GAS SERIAL NUMBER	CAL GAS TYPE	CAL GAS CONCENTRATION (ppmv)	TARGET CONCENTRATION (ppmv)	INITIAL CONCENTRATION (ppmv)	RESPONSE TIME (seconds)	TIMESTAMP	INSTRUMENT ID
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	474	0	4	3/9/2022 9:35	886B0FA6E6F6
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	474	0	6	3/9/2022 9:36	886B0FA6E6F6
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	474	0	5	3/9/2022 9:36	886B0FA6E6F6

MONITORING TYPE	OPERATOR NAME	INSTRUMENT ID	FILE SAVE TIME	AVG PRECISION (%)	AVG RESPONSE TIME (SECONDS)
VERIFICATION SUMMARY	FSI	886B0F62C147	3/10/2022 8:42	-0.5	4.3

MONITORING TYPE	CAL GAS SERIAL NUMBER	CAL GAS TYPE	CAL GAS CONCENTRATION (ppmv)	DETECTOR CONCENTRATION (ppmv)	DIFFERENCE (ppmv)	DIFFERENCE (%)	ZERO AIR PPM	TIMESTAMP	INSTRUMENT ID
PRECISION MEASUREMENT		CH4 (Methane)	500	495.8	-4.2	-0.8	0	3/10/2022 8:38	886B0F62C147
PRECISION MEASUREMENT		CH4 (Methane)	500	498.2	-1.8	-0.4	0	3/10/2022 8:39	886B0F62C147
PRECISION MEASUREMENT		CH4 (Methane)	500	498.4	-1.6	-0.3	0	3/10/2022 8:40	886B0F62C147

MONITORING TYPE	CAL GAS SERIAL NUMBER	CAL GAS TYPE	CAL GAS CONCENTRATION (ppmv)	TARGET CONCENTRATION (ppmv)	INITIAL CONCENTRATION (ppmv)	RESPONSE TIME (seconds)	TIMESTAMP	INSTRUMENT ID
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	472.6	0	5	3/10/2022 8:40	886B0F62C147
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	472.6	0	4	3/10/2022 8:42	886B0F62C147
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	472.6	0	4	3/10/2022 8:41	886B0F62C147

MONITORING TYPE	OPERATOR NAME	INSTRUMENT ID	FILE SAVE TIME	AVG PRECISION (%)	AVG RESPONSE TIME (SECONDS)
VERIFICATION SUMMARY	v	000780DABAC4	3/10/2022 8:44	0.1	4.7

MONITORING TYPE	CAL GAS SERIAL NUMBER	CAL GAS TYPE	CAL GAS CONCENTRATION (ppmv)	DETECTOR CONCENTRATION (ppmv)	DIFFERENCE (ppmv)	DIFFERENCE (%)	ZERO AIR PPM	TIMESTAMP	INSTRUMENT ID
PRECISION MEASUREMENT		CH4 (Methane)	500	504.7	4.7	0.9	0	3/10/2022 8:42	000780DABAC4
PRECISION MEASUREMENT		CH4 (Methane)	500	509.4	9.4	1.9	0	3/10/2022 8:42	000780DABAC4
PRECISION MEASUREMENT		CH4 (Methane)	500	487.8	-12.2	-2.4	0	3/10/2022 8:43	000780DABAC4

MONITORING TYPE	CAL GAS SERIAL NUMBER	CAL GAS TYPE	CAL GAS CONCENTRATION (ppmv)	TARGET CONCENTRATION (ppmv)	INITIAL CONCENTRATION (ppmv)	RESPONSE TIME (seconds)	TIMESTAMP	INSTRUMENT ID
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	475.6	0	4	3/10/2022 8:43	000780DABAC4
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	475.6	0	5	3/10/2022 8:44	000780DABAC4
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	475.6	0	5	3/10/2022 8:44	000780DABAC4

MONITORING TYPE	OPERATOR NAME	INSTRUMENT ID	FILE SAVE TIME	AVG PRECISION (%)	AVG RESPONSE TIME (SECONDS)
VERIFICATION SUMMARY	FSI	886B0FA6E6F6	3/10/2022 8:45	-0.7	5.7

MONITORING TYPE	CAL GAS SERIAL NUMBER	CAL GAS TYPE	CAL GAS CONCENTRATION (ppmv)	DETECTOR CONCENTRATION (ppmv)	DIFFERENCE (ppmv)	DIFFERENCE (%)	ZERO AIR PPM	TIMESTAMP	INSTRUMENT ID
PRECISION MEASUREMENT		CH4 (Methane)	500	497.8	-2.2	-0.4	0	3/10/2022 8:43	886B0FA6E6F6
PRECISION MEASUREMENT		CH4 (Methane)	500	495.9	-4.1	-0.8	0	3/10/2022 8:43	886B0FA6E6F6
PRECISION MEASUREMENT		CH4 (Methane)	500	495.1	-4.9	-1	0	3/10/2022 8:44	886B0FA6E6F6

MONITORING TYPE	CAL GAS SERIAL NUMBER	CAL GAS TYPE	CAL GAS CONCENTRATION (ppmv)	TARGET CONCENTRATION (ppmv)	INITIAL CONCENTRATION (ppmv)	RESPONSE TIME (seconds)	TIMESTAMP	INSTRUMENT ID
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	471.4	0	6	3/10/2022 8:44	886B0FA6E6F6
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	471.4	0	5	3/10/2022 8:45	886B0FA6E6F6
RESPONSE TIME MEASUREMENT		CH4 (Methane)	500	471.4	0	6	3/10/2022 8:45	886B0FA6E6F6

APPENDIX E

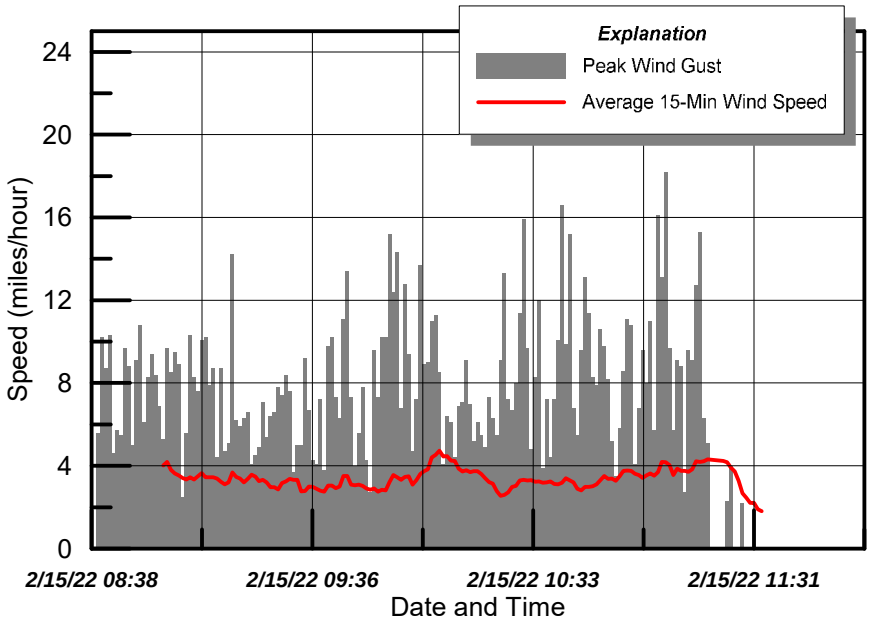
WEATHER DATA

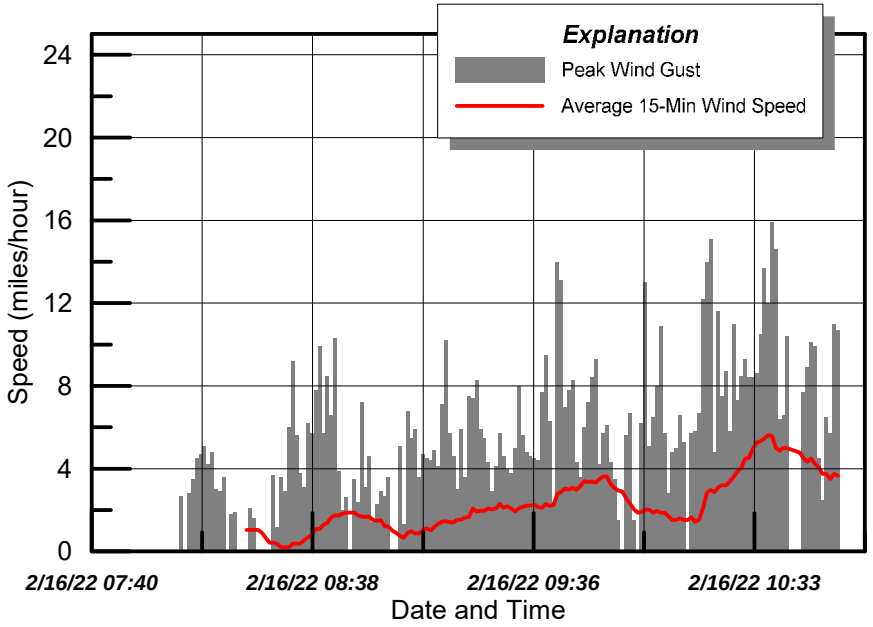
Date/Time	Temperature (°F)	Average Wind Speed (mph)	Wind Direction	Precipitation
2/15/22 9:00	49.0	5.0	East-Southeast	None
2/16/22 10:00	58.0	2.0	East-Southeast	None
2/17/22 10:00	63.0	2.0	North-Northeast	None
2/18/22 10:00	55.0	2.0	East	None
2/25/22 9:00	47.0	2.0	West-Northwest	None
3/1/22 11:00	59.0	2.0	Northeast	None
3/2/22 9:00	52.0	1.0	East-Southeast	None
3/9/22 10:00	55.0	5.0	East-Southeast	None
3/10/22 10:00	56.0	6.0	South-Southeast	None

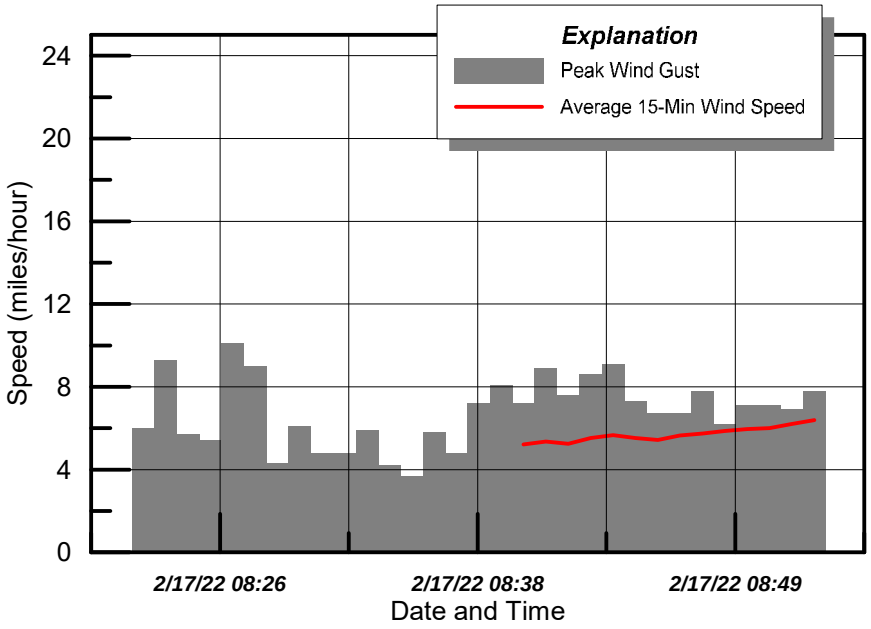
Ox Mountain's onsite Davis Instruments weather station
N/A - Not Applicable

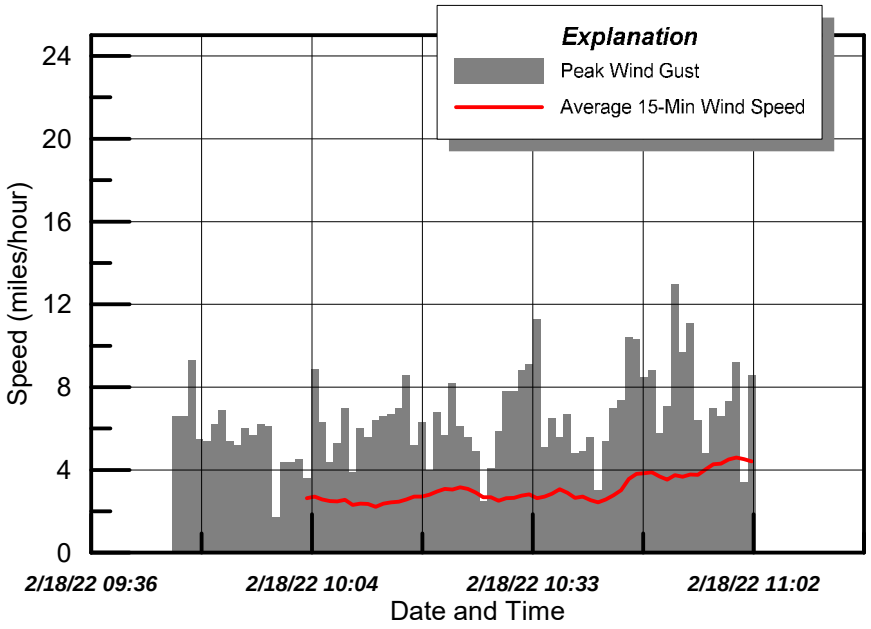
APPENDIX F

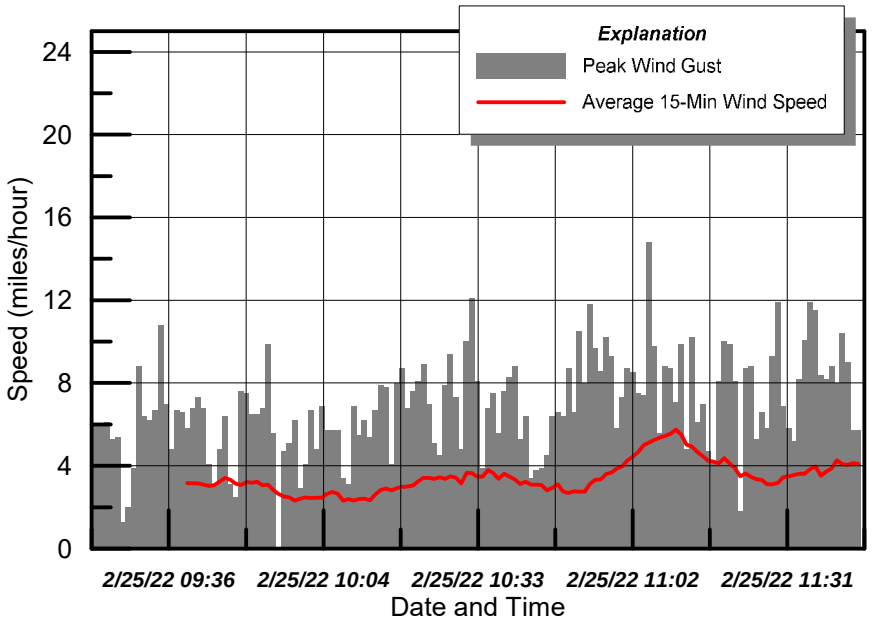
WIND SPEED DATA

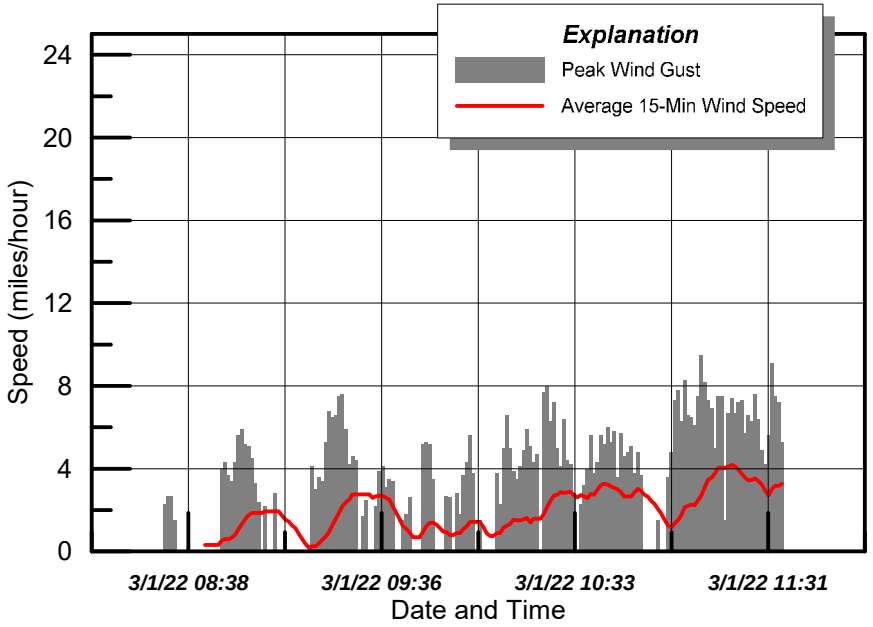

Explanation
Peak Wind Gust
Average 15-Min Wind Speed
Speed (miles/hour)
0
4
8
12
16
20
24
2/15/22 08:38
2/15/22 09:36
2/15/22 10:33
2/15/22 11:31
Date and Time

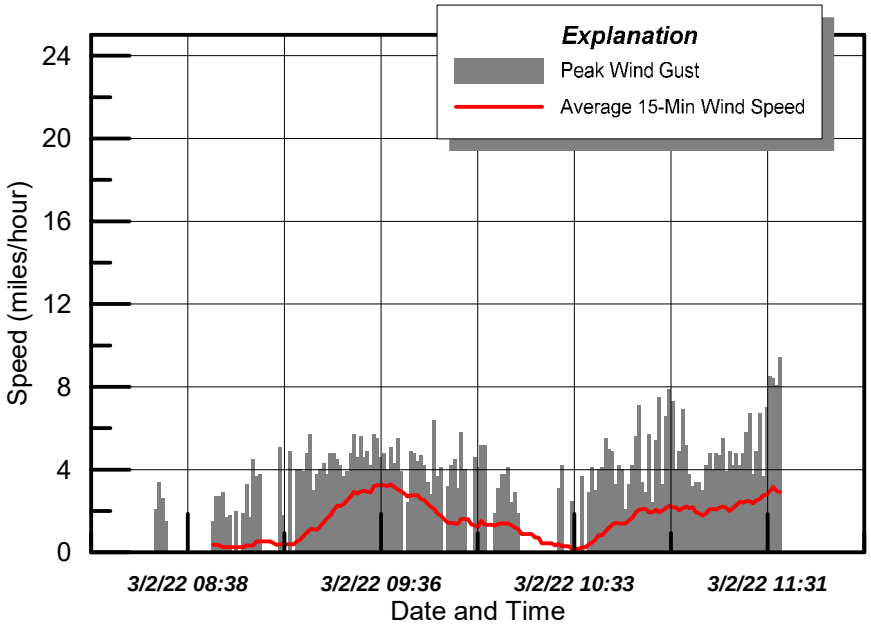

Explanation
Peak Wind Gust
Average 15-Min Wind Speed
Speed (miles/hour)
0
4
8
12
16
20
24
2/16/22 07:40
2/16/22 08:38
2/16/22 09:36
2/16/22 10:33
Date and Time

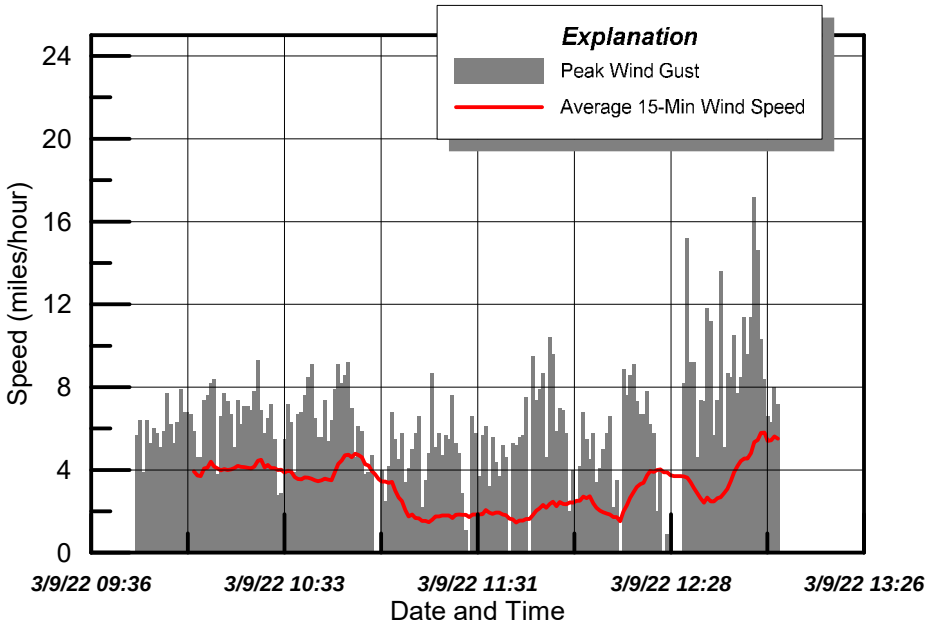

Explanation
Peak Wind Gust
Average 15-Min Wind Speed
Speed (miles/hour)
0
4
8
12
16
20
24
2/17/22 08:26
2/17/22 08:38
2/17/22 08:49
Date and Time

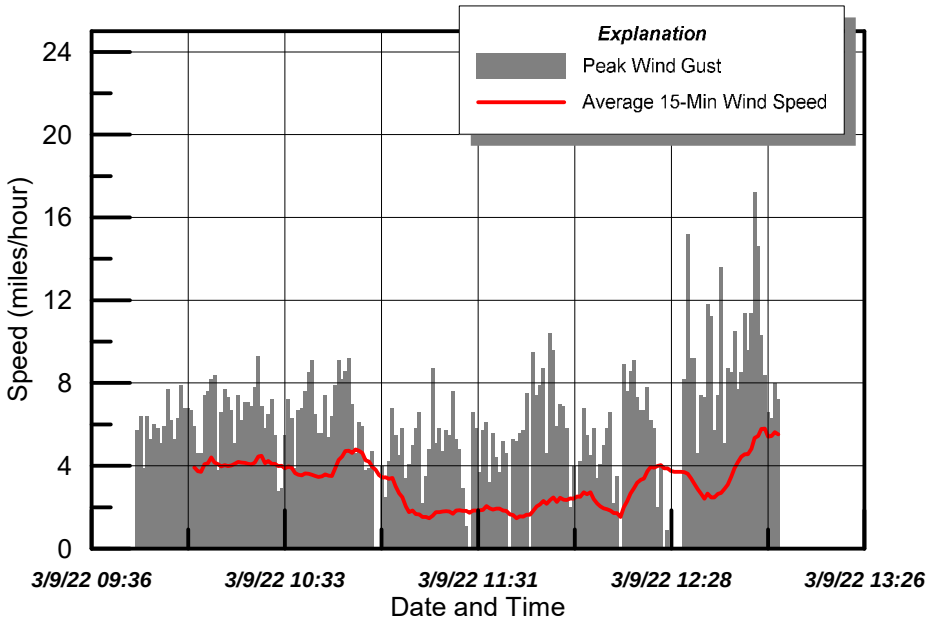

Explanation
Peak Wind Gust
Average 15-Min Wind Speed
Speed (miles/hour)
0
4
8
12
16
20
24
2/18/22 09:36
2/18/22 10:04
2/18/22 10:33
2/18/22 11:02
Date and Time

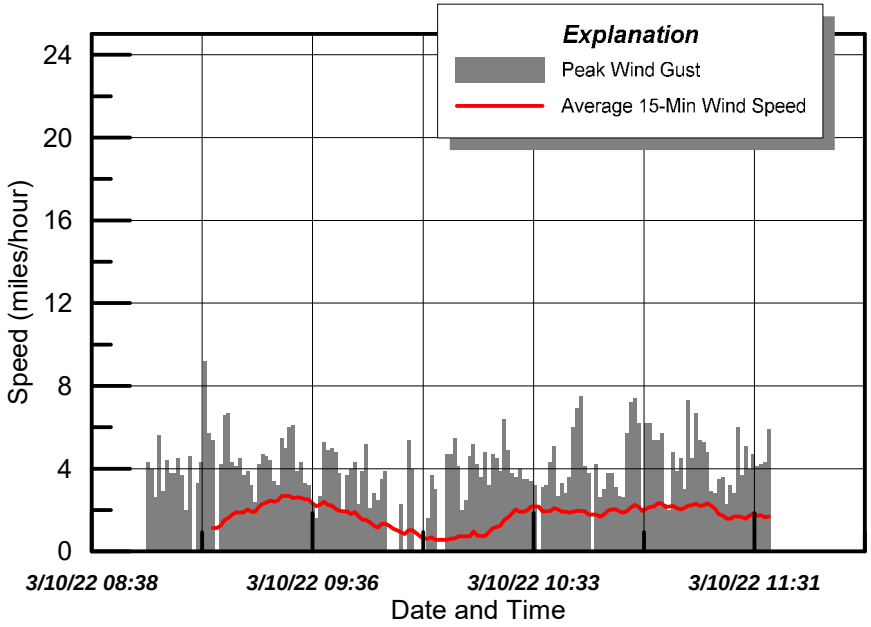

Explanation
Peak Wind Gust
Average 15-Min Wind Speed
Speed (miles/hour)
0
4
8
12
16
20
24
2/25/22 09:36
2/25/22 10:04
2/25/22 10:33
2/25/22 11:02
2/25/22 11:31
Date and Time


Explanation
Peak Wind Gust
Average 15-Min Wind Speed
Speed (miles/hour)
0
4
8
12
16
20
24
3/1/22 08:38
3/1/22 09:36
3/1/22 10:33
3/1/22 11:31
Date and Time


Explanation
Peak Wind Gust
Average 15-Min Wind Speed
Speed (miles/hour)
0
4
8
12
16
20
24
3/2/22 08:38
3/2/22 09:36
3/2/22 10:33
3/2/22 11:31
Date and Time


Explanation
Peak Wind Gust
Average 15-Min Wind Speed
Speed (miles/hour)
0
4
8
12
16
20
24
3/9/22 09:36
3/9/22 10:33
3/9/22 11:31
3/9/22 12:28
3/9/22 13:26
Date and Time


Explanation
Peak Wind Gust
Average 15-Min Wind Speed
Speed (miles/hour)
0
4
8
12
16
20
24
3/9/22 09:36
3/9/22 10:33
3/9/22 11:31
3/9/22 12:28
3/9/22 13:26
Date and Time


Explanation
Peak Wind Gust
Average 15-Min Wind Speed
Speed (miles/hour)
0
4
8
12
16
20
24
3/10/22 08:38
3/10/22 09:36
3/10/22 10:33
3/10/22 11:31
Date and Time

APPENDIX I

COMPONENT LEAK CHECK REPORTS

OX MOUNTAIN

Q-4-21 FLARE LFG COMPONENT LEAK MONITORING LOWER FLARE (A-7)

INSTRUMENT MAKE:	**QED**	**DATE OF SAMPLING:**	**October 29, 2021**
MODEL:	**SEM5K**	**TECHNICIAN:**	**Matt Bowman**
S/N:	**T9J-RN42**		

LOCATION OF LEAK	CONCENTRATION (ppmv)	DATE OF DISCOVERY	TECHNICIAN	ACTION TAKEN TO REPAIR LEAK	DATE OF REPAIR	DATE OF ANY REQUIRED RE-MONITORING	RE-MONITORED CONCENTRATION (ppmv)
KOP	0	10/29/2021	Matt Bowman	N/A	N/A	N/A	N/A
Flanges Vac side	0	10/29/2021	Matt Bowman	N/A	N/A	N/A	N/A
Blowers	0	10/29/2021	Matt Bowman	N/A	N/A	N/A	N/A
insturments	0	10/29/2021	Matt Bowman	N/A	N/A	N/A	N/A
FInges Pos side	0	10/29/2021	Matt Bowman	N/A	N/A	N/A	N/A
Flame Arrestor	0	10/29/2021	Matt Bowman	N/A	N/A	N/A	N/A
Panels	0	10/29/2021	Matt Bowman	N/A	N/A	N/A	N/A
Flare	0	10/29/2021	Matt Bowman	N/A	N/A	N/A	N/A
Fittings to Blowers	0	10/29/2021	Matt Bowman	N/A	N/A	N/A	N/A
Comments:							
Note:	In the event that an exceedance is detected, please intiate corrective action and re-monitor the exceedance location within 7 days of the initial exceedance. Leaks over 500 ppmv methane are exceedances at any component containing landfill gas pursuant to CARB Title 17 of California Code of Regulations Subchapter 10, Article 4, Subarticle 6, Section 95464(b)(1)(B). Leaks over 1,000 ppmv methane are exceedances at any component containing landfill gas pursuant to BAAQMD Regulation 8-34-301.2.						

OX MOUNTAIN

Q-4-21 FLARE LFG COMPONENT LEAK MONITORING UPPER FLARE (A-9)

INSTRUMENT MAKE:	**QED**	**DATE OF SAMPLING:**	**October 29, 2021**
MODEL:	**SEM5K**	**TECHNICIAN:**	**Matt Bowman**
S/N:	**T9J-RN42**		

LOCATION OF LEAK	CONCENTRATION (ppmv)	DATE OF DISCOVERY	TECHNICIAN	ACTION TAKEN TO REPAIR LEAK	DATE OF REPAIR	DATE OF ANY REQUIRED RE-MONITORING	RE-MONITORED CONCENTRATION (ppmv)
KOP	0	10/29/2021	Matt Bowman	N/A	N/A	N/A	N/A
Flanges Vac side	0	10/29/2021	Matt Bowman	N/A	N/A	N/A	N/A
Blowers	0	10/29/2021	Matt Bowman	N/A	N/A	N/A	N/A
insturments	0	10/29/2021	Matt Bowman	N/A	N/A	N/A	N/A
FInges Pos side	0	10/29/2021	Matt Bowman	N/A	N/A	N/A	N/A
Flame Arrestor	0	10/29/2021	Matt Bowman	N/A	N/A	N/A	N/A
Panels	0	10/29/2021	Matt Bowman	N/A	N/A	N/A	N/A
Flare	0	10/29/2021	Matt Bowman	N/A	N/A	N/A	N/A
Fittings to Blowers	0	10/29/2021	Matt Bowman	N/A	N/A	N/A	N/A
Comments:							
Note:	In the event that an exceedance is detected, please intiate corrective action and re-monitor the exceedance location within 7 days of the initial exceedance. Leaks over 500 ppmv methane are exceedances at any component containing landfill gas pursuant to CARB Title 17 of California Code of Regulations Subchapter 10, Article 4, Subarticle 6, Section 95464(b)(1)(B). Leaks over 1,000 ppmv methane are exceedances at any component containing landfill gas pursuant to BAAQMD Regulation 8-34-301.2.						

OX MOUNTAIN
Q-4-21 LFG COMPONENT LEAK MONITORING AMERESCO PLANT

INSTRUMENT
MAKE: QED
MODEL: SEM5K
S/N: T9J-RN42

DATE OF SAMPLING: October 29, 2021
TECHNICIAN: Matt Bowman

LOCATION OF LEAK	LEAK CONCENTRATION (ppmv)	DATE OF DISCOVERY	DISCRIPTION OF EQUIPMENT	ACTION TAKEN TO REPAIR LEAK	DATE OF REPAIR	DATE OF ANY REQUIRED RE-MONITORING	RE-MONITORED CONCENTRATION (ppmv)
Blower skid	0	10/29/2021	NA	NA	N/A	N/A	N/A
Main fuel piping bolt ups/flanges	0	10/29/2021	N/A	N/A	N/A	N/A	N/A
Pre chamber compressors	0	10/29/2021	N/A	N/A	N/A	N/A	N/A
Gas inlet to plant	0	10/29/2021	N/A	N/A	N/A	N/A	N/A
Cooler skid piping	0	10/29/2021	N/A	N/A	N/A	N/A	N/A
TSA piping bolt ups / Flanges	0	10/29/2021	N/A	N/A	N/A	N/A	N/A
Instrument fittings	0	10/29/2021	N/A	N/A	N/A	N/A	N/A
Engine plant	150	10/29/2021	Engine 1 near exhaust	informed Paul	N/A	N/A	N/A
Engine plant	200	10/29/2021	Engine 4 near exhaust	informed Paul	N/A	N/A	N/A
Engine plant	300	10/29/2021	Engine 5 near exhaust	informed Paul	N/A	N/A	N/A
Blower skid	0	10/29/2021	NA	NA	N/A	N/A	N/A

Comments:	
Note:	In the event that an exceedance is detected, please intiate corrective action and re-monitor the exceedance location within 7 days of the initial exceedance. Leaks over 500 ppmv methane are exceedances at any component containing landfill gas pursuant to CARB Title 17 of California Code of Regulations Subchapter 10, Article 4, Subarticle 6, Section 95464(b)(1)(B). Leaks over 1,000 ppmv methane are exceedances at any component containing landfill gas pursuant to BAAQMD Regulation 8-34-301.2.

OX MOUNTAIN

Q-1-22 FLARE LFG COMPONENT LEAK MONITORING LOWER FLARE (A-7)

INSTRUMENT
MAKE: Irwin
MODEL: Inficon
S/N: 92004293

DATE OF SAMPLING: January 17, 2022
TECHNICIAN: Matt Bowman

LOCATION OF LEAK	CONCENTRATION (ppmv)	DATE OF DISCOVERY	TECHNICIAN	ACTION TAKEN TO REPAIR LEAK	DATE OF REPAIR	DATE OF ANY REQUIRED RE-MONITORING	RE-MONITORED CONCENTRATION (ppmv)
KOP	0	1/17/2022	Matt Bowman	N/A	N/A	N/A	N/A
Flanges Vac side	0	1/17/2022	Matt Bowman	N/A	N/A	N/A	N/A
Blowers	0	1/17/2022	Matt Bowman	N/A	N/A	N/A	N/A
insturments	0	1/17/2022	Matt Bowman	N/A	N/A	N/A	N/A
FInges Pos side	0	1/17/2022	Matt Bowman	N/A	N/A	N/A	N/A
Flame Arrestor	0	1/17/2022	Matt Bowman	N/A	N/A	N/A	N/A
Panels	0	1/17/2022	Matt Bowman	N/A	N/A	N/A	N/A
Flare	0	1/17/2022	Matt Bowman	N/A	N/A	N/A	N/A
Fittings to Blowers	0	1/17/2022	Matt Bowman	N/A	N/A	N/A	N/A

Comments:	
Note:	In the event that an exceedance is detected, please intiate corrective action and re-monitor the exceedance location within 7 days of the initial exceedance. Leaks over 500 ppmv methane are exceedances at any component containing landfill gas pursuant to CARB Title 17 of California Code of Regulations Subchapter 10, Article 4, Subarticle 6, Section 95464(b)(1)(B). Leaks over 1,000 ppmv methane are exceedances at any component containing landfill gas pursuant to BAAQMD Regulation 8-34-301.2.

OX MOUNTAIN

Q-1-22 FLARE LFG COMPONENT LEAK MONITORING UPPER FLARE (A-9)

INSTRUMENT
MAKE: Irwin
MODEL: Inficon
S/N: 92004293

DATE OF SAMPLING: January 17, 2022
TECHNICIAN: Matt Bowman

LOCATION OF LEAK	CONCENTRATION (ppmv)	DATE OF DISCOVERY	TECHNICIAN	ACTION TAKEN TO REPAIR LEAK	DATE OF REPAIR	DATE OF ANY REQUIRED RE-MONITORING	RE-MONITORED CONCENTRATION (ppmv)
KOP	0	1/17/2022	Matt Bowman	N/A	N/A	N/A	N/A
Flanges Vac side	0	1/17/2022	Matt Bowman	N/A	N/A	N/A	N/A
Blowers	0	1/17/2022	Matt Bowman	N/A	N/A	N/A	N/A
insturments	0	1/17/2022	Matt Bowman	N/A	N/A	N/A	N/A
FInges Pos side	0	1/17/2022	Matt Bowman	N/A	N/A	N/A	N/A
Flame Arrestor	0	1/17/2022	Matt Bowman	N/A	N/A	N/A	N/A
Panels	0	1/17/2022	Matt Bowman	N/A	N/A	N/A	N/A
Flare	0	1/17/2022	Matt Bowman	N/A	N/A	N/A	N/A
Fittings to Blowers	0	1/17/2022	Matt Bowman	N/A	N/A	N/A	N/A

Comments:	
Note:	In the event that an exceedance is detected, please intiate corrective action and re-monitor the exceedance location within 7 days of the initial exceedance. Leaks over 500 ppmv methane are exceedances at any component containing landfill gas pursuant to CARB Title 17 of California Code of Regulations Subchapter 10, Article 4, Subarticle 6, Section 95464(b)(1)(B). Leaks over 1,000 ppmv methane are exceedances at any component containing landfill gas pursuant to BAAQMD Regulation 8-34-301.2.

OX MOUNTAIN
Q-1-22 LFG COMPONENT LEAK MONITORING AMERESCO PLANT

INSTRUMENT
MAKE: Irwin
MODEL: Inficon
S/N: 92004293

DATE OF SAMPLING: January 28, 2022
TECHNICIAN: Matt Bowman

LOCATION OF LEAK	LEAK CONCENTRATION (ppmv)	DATE OF DISCOVERY	DISCRIPTION OF EQUIPMENT	ACTION TAKEN TO REPAIR LEAK	DATE OF REPAIR	DATE OF ANY REQUIRED RE-MONITORING	RE-MONITORED CONCENTRATION (ppmv)
Blower skid	15	1/28/2022	Blower 1 outlet	informed Paul	N/A	N/A	N/A
Main fuel piping bolt ups/flanges	0	1/28/2022	N/A	N/A	N/A	N/A	N/A
Pre chamber compressors	0	1/28/2022	N/A	N/A	N/A	N/A	N/A
Gas inlet to plant	0	1/28/2022	N/A	N/A	N/A	N/A	N/A
Cooler skid piping	0	1/28/2022	N/A	N/A	N/A	N/A	N/A
TSA piping bolt ups / Flanges	0	1/28/2022	N/A	N/A	N/A	N/A	N/A
Instrument fittings	0	1/28/2022	N/A	N/A	N/A	N/A	N/A
Engine plant	175	1/28/2022	Engine 1 near exhaust	informed Paul	N/A	N/A	N/A
Engine plant	100	1/28/2022	Engine 2 near exhaust	informed Paul	N/A	N/A	N/A
Engine plant	150	1/28/2022	Engine 4 near exhaust	informed Paul	N/A	N/A	N/A
Engine plant	175	1/28/2022	Engine 5 near exhaust	informed Paul	N/A	N/A	N/A

Comments:	
Note:	In the event that an exceedance is detected, please intiate corrective action and re-monitor the exceedance location within 7 days of the initial exceedance. Leaks over 500 ppmv methane are exceedances at any component containing landfill gas pursuant to CARB Title 17 of California Code of Regulations Subchapter 10, Article 4, Subarticle 6, Section 95464(b)(1)(B). Leaks over 1,000 ppmv methane are exceedances at any component containing landfill gas pursuant to BAAQMD Regulation 8-34-301.2.

APPENDIX J

WELLFIELD MONITORING LOGS

OX MOUNTAIN LANDFILL
Wellfield Monitoring Report - October 4, 6, 7, 8, 11, 12, 13, 18, 20, 21, 26, 27, and 28, 2021

Device ID	Date and Time	CH_4	CO_2	O_2	BAL	Initial Static Pressure	Adjusted Static Pressure	Lateral Pressure	Initial Temperature	Initial Flow*	Comments
		%	%	%	%	in. wk..	in. wk..	in. wk..	Deg. F.	scfm	
OMLEW101	10/12/2021 13:17	52.5	43.0	0.9	3.6	-0.4	-0.4	-26.4	74.2	6.2	Valve Adjustment:No Change,Valve 5% open
OMLEW101	10/26/2021 15:28	53.5	36.1	1.0	9.4	-0.1	-0.1	-30.6	71.7	6.4	Valve Adjustment:No Change,Valve 5% open
OMLEW104	10/12/2021 14:39	49.1	43.1	0.0	7.8	-16.5	-16.2	-34.8	86.8	32.0	Valve Adjustment:Closed valve 1/2 turn or less
OMLEW104	10/26/2021 14:14	56.2	36.6	0.0	7.2	-15.1	-15.0	-33.0	85.0	33.9	Valve Adjustment:No Change
OMLEW107	10/12/2021 14:44	57.6	40.0	0.0	2.4	-34.0	-34.1	-34.5	74.9	0.0	Valve Adjustment:No Change,Valve 100% open
OMLEW107	10/26/2021 14:12	58.7	36.7	0.0	4.6	-33.0	-33.0	-32.9	73.8	15.1	Valve Adjustment:No Change
OMLFEW59	10/6/2021 11:18	52.0	37.9	0.0	10.1	-1.6	-1.7	-25.5	108.8	9.6	Valve Adjustment:No Change,Valve 15% open
OMLFEW59	10/27/2021 10:41	54.7	40.8	0.0	4.5	-1.5	-1.5	-28.8	108.9	4.1	Valve Adjustment:Opened valve 1/2 turn or less,Valve 15% open
OMLFEW72	10/12/2021 14:30	54.5	39.5	0.0	6.0	-1.2	-1.3	-32.1	78.2	N/A	Valve Adjustment:Opened valve 1/2 turn or less
OMLFEW72	10/26/2021 14:25	53.4	36.9	0.0	9.7	-1.3	-1.3	-33.1	60.7	N/A	Valve Adjustment:No Change,Valve at minimum position
OMLFEW99	10/11/2021 13:27	51.9	38.9	0.1	9.1	-0.9	-0.9	-38.2	72.0	17.5	Valve Adjustment:No Change,Valve 15% open
OMLFEW99	10/21/2021 12:44	51.0	38.6	0.1	10.3	-0.6	-0.6	-24.7	70.2	14.7	Valve Adjustment:No Change,Valve 10% open
OMTLTS01	10/4/2021 16:30	52.3	42.4	0.5	4.8	-0.6	-0.7	-34.0	84.0	0.5	Valve Adjustment:No Change,Valve at minimum position
OMTLTS01	10/26/2021 14:38	54.8	37.8	0.0	7.4	-0.1	-0.1	-32.4	71.2	2.4	Valve Adjustment:No Change,Valve at minimum position
OMTLTS02	10/4/2021 16:33	48.3	38.1	0.3	13.3	-0.1	-0.1	-35.5	78.4	10.7	Valve Adjustment:No Change,Valve 5% open
OMTLTS02	10/26/2021 14:45	51.8	36.3	0.3	11.6	-0.4	-0.4	-32.8	75.7	11.1	Valve Adjustment:No Change,Valve 5% open
OMTLTS03	10/4/2021 16:37	49.4	36.5	0.0	14.1	-0.2	-0.2	-34.4	78.0	5.9	Valve Adjustment:No Change,Valve at minimum position
OMTLTS03	10/26/2021 14:48	48.9	35.2	0.3	15.6	-0.5	-0.5	-32.7	73.9	8.7	Valve Adjustment:No Change,Valve 5% open
OMTLTS04	10/4/2021 16:44	51.0	36.9	0.0	12.1	-0.1	-0.1	-33.4	87.4	0.9	Valve Adjustment:No Change,Valve at minimum position
OMTLTS04	10/26/2021 12:37	52.7	39.8	0.0	7.5	-0.3	-0.3	-31.9	79.5	6.2	Valve Adjustment:No Change,Valve at minimum position
OMTLTS05	10/4/2021 16:11	55.6	38.8	0.0	5.6	-0.1	-0.1	-32.9	86.2	5.6	Valve Adjustment:No Change,Valve at minimum position
OMTLTS05	10/26/2021 12:41	50.6	37.9	0.0	11.5	-0.3	-0.3	-32.1	83.3	5.4	Valve Adjustment:No Change,Valve at minimum position
OMTLTS06	10/4/2021 16:05	48.7	35.5	2.4	13.4	-0.1	-0.1	-31.8	93.6	4.5	Valve Adjustment:No Change,Valve at minimum position
OMTLTS06	10/4/2021 16:08	53.0	37.6	0.0	9.4	-0.1	-0.1	-31.3	85.9	5.5	Valve Adjustment:No Change,Valve at minimum position
OMTLTS06	10/26/2021 12:48	21.7	25.0	6.2	47.1	-0.4	-0.4	-29.5	80.3	4.5	Valve Adjustment:No Change,Valve at minimum position;Well Condition:Oxygen HOV 15%
OMTLTS07	10/4/2021 15:42	57.0	38.1	0.0	4.9	-0.1	-0.1	-34.4	86.1	8.4	Valve Adjustment:No Change,Valve at minimum position
OMTLTS07	10/26/2021 12:56	55.8	40.7	0.0	3.5	-0.4	-0.4	-28.3	80.6	4.6	Valve Adjustment:No Change,Valve at minimum position
OMTLTS08	10/4/2021 15:38	39.8	31.7	0.0	28.5	-0.1	-0.1	-34.4	90.9	5.3	Valve Adjustment:No Change,Valve at minimum position
OMTLTS08	10/26/2021 13:00	21.1	16.7	11.1	51.1	-0.3	-0.3	-29.8	69.7	1.6	Valve Adjustment:No Change,Valve at minimum position;Well Condition:Oxygen HOV 15%
OMTLTS09	10/4/2021 15:35	18.8	22.6	0.0	58.6	-0.2	-0.2	-30.8	87.5	6.1	Valve Adjustment:No Change,Valve at minimum position
OMTLTS09	10/26/2021 11:08	48.3	30.4	0.0	21.3	-0.6	-0.6	-30.5	70.4	7.6	Valve Adjustment:No Change,Valve at minimum position

OMTLTS10	10/4/2021 15:30	22.8	21.5	0.0	55.7	-0.1	-0.1	-17.1	85.1	5.1	Valve Adjustment:No Change,Valve at minimum position
OMTLTS10	10/26/2021 11:12	50.8	31.2	0.5	17.5	-0.5	-0.5	-30.5	89.4	7.4	Valve Adjustment:No Change,Valve at minimum position
OMTLTS11	10/4/2021 15:23	24.6	26.0	0.0	49.4	-0.1	-0.1	-17.6	86.7	5.4	Valve Adjustment:No Change,Valve at minimum position
OMTLTS11	10/26/2021 11:25	38.0	35.3	1.3	25.4	-0.5	-0.5	-27.1	75.5	6.2	Valve Adjustment:No Change,Valve at minimum position
OMTLTS12	10/4/2021 15:15	31.0	29.3	0.0	39.7	-0.1	-0.1	-24.4	92.8	3.9	Valve Adjustment:No Change,Valve at minimum position
OMTLTS12	10/26/2021 11:30	27.2	24.2	8.6	40.0	-0.5	-0.5	-29.8	72.5	6.2	Valve Adjustment:NSPS/CAI,Valve at minimum position,Closed valve 10% or less
OMTLTS12	10/26/2021 11:32	37.8	31.5	4.8	25.9	-0.5	-0.5	-29.6	73.9	4.6	Valve Adjustment:No Change,Valve at minimum position
OMTLTS15	10/4/2021 15:08	40.0	34.0	0.3	25.7	-0.2	-0.2	-31.6	90.2	14.1	Valve Adjustment:No Change,Valve at minimum position
OMTLTS15	10/26/2021 11:38	49.2	41.1	2.2	7.5	-0.5	-0.5	-33.1	79.2	6.1	Valve Adjustment:No Change,Valve at minimum position
OMTLTS16	10/4/2021 15:03	30.0	29.0	0.7	40.3	-0.1	-0.1	-27.2	88.5	5.0	Valve Adjustment:No Change,Valve at minimum position
OMTLTS16	10/26/2021 11:41	56.4	40.1	0.2	3.3	-0.4	-0.4	-32.4	70.1	4.8	Valve Adjustment:No Change,Valve at minimum position
OMTLTS17	10/4/2021 14:54	58.0	38.8	0.0	3.2	-0.1	-0.1	-28.6	81.7	10.2	Valve Adjustment:No Change,Valve at minimum position
OMTLTS17	10/26/2021 11:44	58.3	39.6	0.3	1.8	-0.5	-0.5	-32.1	73.4	8.4	Valve Adjustment:No Change,Valve 5% open
OMTLTS18	10/4/2021 14:50	58.9	41.1	0.0	0.0	-0.1	-0.1	-30.6	74.0	18.1	Valve Adjustment:No Change,Valve 100% open
OMTLTS18	10/26/2021 11:49	58.3	40.4	0.0	1.3	-0.5	-0.5	-32.1	69.0	18.4	Valve Adjustment:No Change,Valve 100% open
OMTLTS19	10/12/2021 10:53	49.4	37.5	2.9	10.2	-1.3	-1.2	-34.4	74.0	18.6	Valve Adjustment:Closed valve 1/2 turn to 1 turn,Valve 90% open
OMTLTS19	10/26/2021 11:53	52.2	40.1	1.9	5.8	-0.3	-0.3	-32.4	74.0	18.6	Valve Adjustment:No Change,Valve 100% open
OMTLTS20	10/4/2021 14:42	59.0	39.9	0.0	1.1	-0.1	-0.1	-30.9	79.2	21.1	Valve Adjustment:No Change,Valve 20% open
OMTLTS20	10/26/2021 11:57	57.8	40.5	0.0	1.7	-0.5	-0.5	-31.8	73.9	20.3	Valve Adjustment:No Change,Valve 20% open
OXEW133B	10/4/2021 16:11	38.6	34.2	0.1	27.1	-3.1	-2.9	-28.3	87.0	71.9	Valve Adjustment:Closed valve 1/2 turn or less
OXEW133B	10/26/2021 15:04	46.7	34.6	0.1	18.6	-3.7	-3.6	-28.9	79.5	55.1	Valve Adjustment:No Change
OXEW134A	10/4/2021 16:08	52.8	42.5	0.0	4.7	-7.6	-7.4	-33.9	87.6	0.0	Valve Adjustment:No Change
OXEW134A	10/26/2021 15:01	56.1	39.2	0.0	4.7	-8.4	-8.0	-32.2	81.6	15.9	Valve Adjustment:No Change
OXEW134B	10/4/2021 16:07	54.0	43.5	0.1	2.4	-31.7	-31.8	-34.5	87.4	39.3	Valve Adjustment:No Change
OXEW134B	10/26/2021 14:59	58.4	38.7	0.0	2.9	-30.2	-30.2	-33.2	77.9	18.2	Valve Adjustment:No Change
OXEW137B	10/12/2021 11:13	56.5	43.1	0.2	0.2	-32.7	-32.7	-32.6	82.8	0.0	Valve Adjustment:No Change,Valve 100% open
OXEW137B	10/27/2021 13:37	58.1	41.8	0.1	0.0	-33.0	-32.5	-32.4	81.5	32.3	Valve Adjustment:No Change,Valve 100% open
OXEW1601	10/7/2021 11:38	53.4	42.8	0.0	3.8	-2.9	-2.9	-30.0	120.9	36.0	Valve Adjustment:No Change
OXEW1601	10/26/2021 14:02	59.6	39.5	0.1	0.8	-2.5	-2.5	-30.5	120.6	29.9	Valve Adjustment:Opened valve 1/2 turn or less
OXEW1602	10/8/2021 13:15	50.5	39.0	0.0	10.5	-31.0	-30.9	-32.5	126.7	55.8	Valve Adjustment:Closed valve 1/2 turn or less
OXEW1602	10/27/2021 14:26	55.8	39.6	0.0	4.6	-30.6	-30.6	-31.7	127.1	56.1	Valve Adjustment:No Change,Valve 100% open
OXEW1603	10/6/2021 14:19	55.2	39.8	0.9	4.1	-27.8	-27.7	-30.3	125.4	72.7	Valve Adjustment:No Change
OXEW1603	10/20/2021 12:45	55.1	39.3	0.9	4.7	-29.3	-29.3	-31.6	125.4	71.7	Valve Adjustment:No Change,Valve 100% open
OXEW1604	10/8/2021 12:54	55.7	41.7	0.0	2.6	-1.1	-1.2	-27.7	118.9	28.7	Valve Adjustment:Opened valve 1/2 turn or less
OXEW1604	10/18/2021 13:44	51.9	43.9	0.0	4.2	-1.4	-1.4	-31.8	121.6	27.1	Valve Adjustment:No Change

OXEW1611	10/6/2021 13:21	59.8	39.0	0.0	1.2	-31.6	-31.6	-31.8	77.2	1.6	Valve Adjustment:No Change,Valve 100% open
OXEW1611	10/20/2021 12:09	59.4	40.5	0.1	0.0	-32.6	-32.5	-32.7	70.9	2.0	Valve Adjustment:No Change,Valve 100% open
OXEW1612	10/8/2021 13:20	54.6	40.8	0.0	4.6	-6.7	-6.7	-33.5	127.0	19.4	Valve Adjustment:No Change
OXEW1612	10/21/2021 10:30	53.3	40.8	0.0	5.9	-6.4	-6.4	-24.9	126.4	14.7	Valve Adjustment:No Change
OXEW1613	10/8/2021 12:49	55.7	41.7	0.4	2.2	-2.2	-2.3	-30.6	125.8	19.3	Valve Adjustment:Opened valve 1/2 turn or less
OXEW1613	10/18/2021 13:39	55.2	44.0	0.4	0.4	-2.7	-2.8	-36.4	125.5	19.7	Valve Adjustment:Opened valve 1/2 turn or less
OXEW1614	10/8/2021 12:39	51.4	39.7	0.0	8.9	-0.5	-0.5	-33.0	120.6	10.0	Valve Adjustment:No Change
OXEW1614	10/18/2021 13:30	48.1	41.3	0.1	10.5	-0.5	-0.5	-37.7	119.7	11.4	Valve Adjustment:Closed valve 1/2 turn or less
OXEW1616	10/7/2021 13:55	53.6	39.8	0.0	6.6	-7.4	-7.6	-33.1	115.4	16.6	Valve Adjustment:Opened valve 1/2 turn or less
OXEW1616	10/27/2021 13:05	56.2	39.6	0.0	4.2	-7.1	-7.1	-31.7	116.4	18.9	Valve Adjustment:No Change
OXEW1617	10/7/2021 14:05	56.1	42.3	0.0	1.6	-0.3	-0.4	-36.0	128.0	7.6	Valve Adjustment:Opened valve 1/2 turn or less,Valve 20% open
OXEW1617	10/18/2021 14:10	55.8	43.3	0.0	0.9	-0.7	-0.7	-39.4	128.9	7.2	Valve Adjustment:No Change
OXEW1617	10/27/2021 12:04	56.8	41.5	0.0	1.7	-1.0	-1.0	-35.2	129.4	9.5	Valve Adjustment:No Change,Valve 20% open
OXEW1618	10/8/2021 12:43	56.2	42.5	0.0	1.3	-0.2	-0.2	-32.3	130.1	34.8	Valve Adjustment:No Change,Valve 20% open
OXEW1618	10/18/2021 13:33	55.2	44.8	0.0	0.0	-0.3	-0.3	-37.6	129.9	36.5	Valve Adjustment:No Change,Valve 20% open
OXEW1619	10/4/2021 15:47	55.5	42.5	0.2	1.8	-33.1	-33.1	-34.2	125.3	15.3	Valve Adjustment:No Change,Valve 100% open
OXEW1619	10/26/2021 12:21	57.7	42.3	0.0	0.0	-31.9	-31.9	-32.7	123.0	11.7	Valve Adjustment:No Change,Valve 100% open
OXEW1620	10/4/2021 15:34	5.8	3.7	17.8	72.7	-3.3	-0.3	-34.5	93.2	5.6	Valve Adjustment:NSPS/CAI,Closed valve 1/2 turn or less,Valve 15% open
OXEW1620	10/4/2021 15:42	4.1	2.4	18.6	74.9	-0.4	-0.2	-34.8	92.9	3.6	Valve Adjustment:NSPS/CAI,Closed valve 1/2 turn or less,Valve 15% open
OXEW1620	10/13/2021 9:52	50.6	34.3	0.0	15.1	-2.5	-2.5	-37.3	100.1	2.7	Valve Adjustment:No Change,Valve 15% open
OXEW1620	10/26/2021 12:15	57.9	40.1	0.0	2.0	-0.8	-0.8	-33.4	107.5	4.5	Valve Adjustment:No Change,Valve 15% open
OXEW1621	10/8/2021 11:03	47.2	44.3	0.0	8.5	-0.6	-0.5	-34.3	112.7	9.0	Valve Adjustment:Closed valve 1/2 turn or less
OXEW1621	10/27/2021 8:59	52.4	40.2	0.0	7.4	-0.6	-0.6	-34.8	107.4	10.2	Valve Adjustment:No Change
OXEW1622	10/4/2021 15:51	50.7	39.4	2.1	7.8	-5.4	-5.0	-34.5	121.2	8.8	Valve Adjustment:Closed valve 1/2 turn or less
OXEW1622	10/26/2021 12:28	55.2	44.8	0.0	0.0	3.9	-0.1	-31.6	124.1	6.5	Valve Adjustment:NSPS/CAI,Opened valve 1/2 turn or less
OXEW1622	10/26/2021 12:29	54.8	45.2	0.0	0.0	-1.4	-1.4	-32.0	126.1	13.6	Valve Adjustment:No Change
OXEW1701	10/7/2021 14:51	57.9	38.2	0.0	3.9	-31.8	-31.6	-32.7	119.7	21.3	Valve Adjustment:No Change,Valve 100% open
OXEW1701	10/27/2021 12:36	59.5	39.1	0.0	1.4	-31.0	-31.1	-32.3	120.7	19.9	Valve Adjustment:No Change,Valve 100% open
OXEW1702	10/7/2021 13:16	58.6	39.7	0.0	1.7	-29.1	-29.2	-32.4	123.1	40.0	Valve Adjustment:No Change,Valve 100% open
OXEW1702	10/27/2021 12:31	58.8	40.8	0.0	0.4	-28.1	-28.1	-31.4	123.1	41.1	Valve Adjustment:No Change,Valve 100% open
OXEW1703	10/7/2021 13:25	57.4	41.7	0.0	0.9	-30.2	-29.9	-30.9	126.2	17.5	Valve Adjustment:No Change,Valve 100% open
OXEW1703	10/27/2021 12:40	57.3	42.4	0.0	0.3	-28.4	-28.5	-28.5	127.0	10.7	Valve Adjustment:No Change,Valve 100% open
OXEW1705	10/6/2021 14:01	58.6	40.5	0.0	0.9	-18.5	-21.2	-31.4	100.1	7.4	Valve Adjustment:Opened valve 1/2 turn to 1 turn,Valve 25% open
OXEW1705	10/20/2021 13:15	58.5	41.5	0.0	0.0	-28.9	-30.3	-33.5	97.3	5.9	Valve Adjustment:Opened valve 1/2 turn or less,Valve 25% open
OXEW1715	10/7/2021 11:13	54.5	43.9	0.1	1.5	-20.9	-21.4	-38.0	70.3	0.4	Valve Adjustment:Opened valve 1/2 turn or less,Valve 20% open

OXEW1715	10/26/2021 15:06	56.0	40.0	0.1	3.9	-20.9	-21.1	-33.0	73.2	0.3	Valve Adjustment:Opened valve 1/2 turn or less,Valve 25% open
OXEW1716	10/6/2021 12:35	57.1	42.4	0.0	0.5	-34.7	-34.7	-35.0	87.4	4.6	Valve Adjustment:No Change,Valve 100% open
OXEW1716	10/21/2021 11:40	58.1	41.1	0.0	0.8	-23.7	-23.7	-23.5	79.6	3.7	Valve Adjustment:No Change,Valve 100% open
OXEW1717	10/11/2021 13:57	48.5	38.3	0.0	13.2	-27.7	-27.0	-37.3	111.8	4.9	Valve Adjustment:Closed valve 1/2 turn to 1 turn,Valve 45% open
OXEW1717	10/21/2021 13:07	48.7	37.9	0.2	13.2	-17.9	-16.4	-23.9	111.1	3.6	Valve Adjustment:Closed valve 1/2 turn or less,Valve 40% open
OXEW1801	10/8/2021 12:16	49.3	35.2	2.7	12.8	-0.8	-0.7	-33.2	103.2	2.6	Valve Adjustment:Closed valve 1/2 turn or less,Valve 10% open
OXEW1801	10/18/2021 13:22	49.3	39.8	3.0	7.9	-0.7	-0.6	-34.7	100.7	1.5	Valve Adjustment:Closed valve 1/2 turn or less,Valve 10% open
OXEW1804	10/8/2021 12:57	49.4	38.4	0.0	12.2	-31.7	-31.7	-33.7	121.9	21.3	Valve Adjustment:Closed valve 1/2 turn to 1 turn,Valve 85% open
OXEW1804	10/18/2021 13:49	47.1	40.9	0.0	12.0	-36.1	-35.6	-38.2	121.9	26.5	Valve Adjustment:Closed valve 1/2 turn to 1 turn,Valve 70% open
OXEW1805	10/8/2021 13:03	49.9	38.4	0.0	11.7	-15.0	-14.4	-34.3	127.3	83.6	Valve Adjustment:Closed valve 1/2 turn or less,Valve 45% open
OXEW1805	10/27/2021 14:09	56.7	39.8	0.0	3.5	-5.4	-5.4	-33.2	127.8	17.2	Valve Adjustment:No Change,Valve 45% open
OXEW1806	10/8/2021 10:43	46.7	43.1	0.0	10.2	-0.2	-0.2	-35.9	120.9	11.9	Valve Adjustment:Closed valve 1/2 turn or less,Valve 10% open
OXEW1806	10/27/2021 9:21	54.0	42.0	0.0	4.0	-0.4	-0.4	-35.7	119.2	12.2	Valve Adjustment:No Change,Valve 10% open
OXEW1807	10/7/2021 13:39	57.1	40.1	0.0	2.8	-4.8	-5.1	-36.0	129.0	42.9	Valve Adjustment:Opened valve 1/2 turn or less,Valve 40% open
OXEW1807	10/27/2021 12:49	58.5	41.1	0.0	0.4	2.7	-0.1	-34.2	130.0	25.7	Valve Adjustment:NSPS/CAI,Opened valve 1/2 turn or less,Valve 40% open
OXEW1807	10/27/2021 13:03	58.6	41.3	0.0	0.1	-0.4	-0.4	-33.7	130.4	42.3	Valve Adjustment:No Change,Valve 40% open
OXEW1808	10/6/2021 13:45	59.7	40.2	0.0	0.1	-29.7	-29.3	-32.0	117.5	9.2	Valve Adjustment:No Change,Valve 100% open
OXEW1808	10/20/2021 13:29	59.8	40.1	0.1	0.0	-32.1	-32.1	-33.7	116.3	10.8	Valve Adjustment:No Change,Valve 100% open
OXEW1809	10/7/2021 11:20	56.4	43.6	0.0	0.0	-4.2	-4.1	-5.3	116.6	21.2	Valve Adjustment:No Change,Valve 100% open
OXEW1809	10/26/2021 13:48	59.2	39.8	0.1	0.9	-3.5	-3.5	-4.2	116.5	20.1	Valve Adjustment:No Change,Valve 100% open
OXEW1810	10/6/2021 11:24	45.1	35.3	0.1	19.5	-15.0	-14.4	-35.2	69.6	4.6	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less
OXEW1810	10/21/2021 13:25	48.5	35.4	0.0	16.1	-4.6	-4.4	-22.7	68.4	1.6	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less
OXEW1811	10/8/2021 13:47	51.4	37.7	1.7	9.2	-16.4	-16.4	-33.8	91.5	9.8	Valve Adjustment:Closed valve 1/2 turn or less,Valve 30% open
OXEW1811	10/18/2021 13:53	50.2	38.5	1.9	9.4	-18.2	-18.1	-38.7	85.9	10.5	Valve Adjustment:Closed valve 1/2 turn or less,Valve 30% open
OXEW1812	10/12/2021 14:14	51.7	40.8	0.1	7.4	-16.9	-16.9	-35.2	125.4	35.9	Valve Adjustment:No Change,Valve 40% open
OXEW1812	10/26/2021 13:19	56.8	38.8	0.1	4.3	-15.8	-15.9	-32.7	125.5	35.8	Valve Adjustment:Opened valve 1/2 turn or less,Valve 40% open
OXEW1813	10/7/2021 13:48	55.7	39.8	0.0	4.5	-34.9	-34.8	-35.4	116.8	15.3	Valve Adjustment:No Change,Valve 100% open
OXEW1813	10/27/2021 13:02	58.8	40.6	0.0	0.6	-33.3	-33.3	-33.8	115.7	7.2	Valve Adjustment:No Change,Valve 100% open
OXEW1815	10/8/2021 10:26	55.7	40.3	0.0	4.0	-3.9	-4.0	-37.0	126.9	19.1	Valve Adjustment:Opened valve 1/2 turn or less,Valve 30% open
OXEW1815	10/27/2021 9:48	56.4	39.7	0.0	3.9	-4.0	-4.0	-35.1	127.6	18.8	Valve Adjustment:No Change
OXEW1816	10/7/2021 13:11	55.5	38.4	0.0	6.1	-13.1	-13.5	-38.2	115.7	79.8	Valve Adjustment:Opened valve 1/2 turn or less,Valve 60% open
OXEW1816	10/27/2021 12:35	58.0	39.9	0.0	2.1	-13.0	-13.3	-36.4	116.2	85.9	Valve Adjustment:Opened valve 1/2 turn or less,Valve 65% open
OXEW1817	10/6/2021 13:41	59.3	40.5	0.1	0.1	-28.0	-28.0	-32.4	107.7	32.2	Valve Adjustment:No Change,Valve 100% open
OXEW1817	10/20/2021 13:31	59.8	40.1	0.1	0.0	-29.4	-29.4	-33.6	107.5	33.9	Valve Adjustment:No Change,Valve 100% open
OXEW1821	10/6/2021 12:11	33.6	23.4	0.0	43.0	-0.1	-0.1	-34.8	62.8	0.5	Valve Adjustment:No Change,Valve at minimum position

OXEW1821	10/27/2021 9:47	34.8	24.4	0.0	40.8	-0.1	-0.1	-33.7	68.7	0.1	Valve Adjustment:No Change,Valve at minimum position
OXEW1822	10/6/2021 12:17	23.5	24.9	0.0	51.6	-0.1	-0.1	-35.7	64.3	0.2	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less
OXEW1822	10/27/2021 9:50	23.3	24.6	0.3	51.8	-0.1	-0.1	-33.8	70.4	0.1	Valve Adjustment:No Change,Valve at minimum position
OXEW1823	10/6/2021 12:22	17.3	28.6	0.2	53.9	-0.1	-0.1	-35.3	64.6	0.1	Valve Adjustment:No Change,Valve at minimum position
OXEW1823	10/27/2021 9:31	23.8	29.9	0.0	46.3	-0.1	-0.1	-34.1	68.5	0.1	Valve Adjustment:No Change,Valve at minimum position
OXEW1824	10/6/2021 11:36	63.2	34.5	0.1	2.2	-34.5	-34.6	-34.6	61.4	1.1	Valve Adjustment:No Change,Valve 100% open
OXEW1824	10/21/2021 13:40	63.2	34.9	0.0	1.9	-22.6	-22.6	-22.7	64.4	1.3	Valve Adjustment:No Change,Valve 100% open
OXEW1825	10/6/2021 11:21	33.8	34.9	0.0	31.3	-7.9	-6.7	-35.5	64.9	2.0	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less
OXEW1825	10/21/2021 13:19	35.7	34.2	0.0	30.1	-4.2	-3.6	-23.0	66.5	0.4	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less
OXEW1826	10/12/2021 14:18	38.8	35.8	0.6	24.8	-2.7	-2.6	-35.1	71.5	0.6	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less
OXEW1826	10/26/2021 13:14	47.7	33.4	2.2	16.7	-2.3	-2.3	-32.9	68.1	2.0	Valve Adjustment:No Change,Valve at minimum position
OXEW1901	10/4/2021 15:24	55.4	43.8	0.1	0.7	-31.7	-31.6	-31.5	91.7	6.8	Valve Adjustment:No Change,Valve 100% open
OXEW1901	10/26/2021 12:05	57.1	39.5	0.0	3.4	-32.8	-32.7	-32.9	69.3	2.6	Valve Adjustment:No Change,Valve 100% open
OXEW1902	10/7/2021 13:20	58.2	40.7	0.0	1.1	-33.0	-33.0	-33.2	72.3	9.5	Valve Adjustment:No Change,Valve 100% open
OXEW1902	10/27/2021 12:38	58.5	41.2	0.0	0.3	-30.5	-30.5	-31.2	74.4	13.5	Valve Adjustment:No Change,Valve 100% open
OXEW1904	10/7/2021 13:29	58.6	40.4	0.0	1.0	-4.3	-5.6	-32.8	93.5	23.4	Valve Adjustment:Opened valve 1/2 turn to 1 turn,Valve 40% open
OXEW1904	10/27/2021 12:46	58.0	41.4	0.0	0.6	-6.1	-6.2	-33.0	112.6	29.0	Valve Adjustment:Opened valve 1/2 turn or less,Valve 45% open
OXEW1908	10/6/2021 14:42	59.3	39.0	0.1	1.6	-26.5	-26.5	-31.5	107.4	17.7	Valve Adjustment:No Change,Valve 100% open
OXEW1908	10/20/2021 12:16	59.2	40.6	0.2	0.0	-27.1	-27.1	-31.6	107.3	26.0	Valve Adjustment:No Change,Valve 100% open
OXEW1909	10/7/2021 11:51	57.2	42.7	0.1	0.0	-33.1	-33.0	-33.6	99.0	8.7	Valve Adjustment:No Change,Valve 100% open
OXEW1909	10/26/2021 14:46	59.4	39.1	0.1	1.4	-37.0	-37.0	-28.3	102.7	176.3	Valve Adjustment:No Change,Valve 100% open
OXEW1910	10/6/2021 14:36	51.2	38.5	0.0	10.3	-24.0	-23.9	-32.9	112.3	9.6	Valve Adjustment:No Change
OXEW1910	10/20/2021 12:30	49.9	38.7	0.1	11.3	-24.7	-24.7	-34.2	112.3	14.0	Valve Adjustment:Closed valve 1/2 turn or less,Valve 95% open
OXEW1911	10/8/2021 13:09	56.2	40.1	0.3	3.4	-8.7	-8.8	-34.4	125.5	7.4	Valve Adjustment:Opened valve 1/2 turn or less,Valve 25% open
OXEW1911	10/27/2021 14:00	57.7	39.1	0.8	2.4	-3.6	-3.6	-34.5	129.2	6.6	Valve Adjustment:No Change,Valve 25% open
OXEW1912	10/7/2021 11:33	51.6	43.5	0.0	4.9	-7.3	-7.3	-36.5	125.8	28.2	Valve Adjustment:No Change,Valve 35% open
OXEW1912	10/26/2021 13:56	59.0	40.1	0.1	0.8	-8.4	-8.6	-32.1	125.7	26.7	Valve Adjustment:Opened valve 1/2 turn or less,Valve 40% open
OXEW1913	10/12/2021 14:06	58.5	39.7	0.0	1.8	-1.9	-1.9	-38.2	94.9	7.7	Valve Adjustment:Opened valve 1/2 turn or less,Valve 5% open
OXEW1913	10/26/2021 13:28	60.3	39.7	0.0	0.0	-2.4	-2.7	-33.0	94.0	8.1	Valve Adjustment:Opened valve 1/2 turn or less,Valve 5% open
OXEW1914	10/8/2021 13:26	57.5	41.3	0.0	1.2	-34.2	-34.1	-34.6	106.1	6.8	Valve Adjustment:No Change,Valve 100% open
OXEW1914	10/26/2021 12:38	58.7	40.7	0.0	0.6	-33.0	-33.0	-32.9	104.2	6.0	Valve Adjustment:No Change,Valve 100% open
OXEW1915	10/11/2021 13:39	43.1	37.4	0.1	19.4	-4.5	-3.7	-30.0	70.3	9.7	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn to 1 turn
OXEW1915	10/21/2021 12:56	54.9	39.3	0.1	5.7	-1.6	-1.6	-17.3	66.2	5.5	Valve Adjustment:Valve at minimum position,Opened valve 1/2 turn or less
OXEW1916	10/12/2021 12:50	56.4	42.4	0.1	1.1	-34.3	-34.4	-34.8	74.2	0.3	Valve Adjustment:Valve 100% open,Opened valve >1 turn
OXEW1916	10/21/2021 14:21	57.6	39.0	0.1	3.3	-22.5	-22.5	-22.8	63.6	0.7	Valve Adjustment:No Change,Valve 100% open

OXEW1917	10/12/2021 12:57	46.6	40.2	0.0	13.2	-23.8	-23.2	-34.8	79.4	3.0	Valve Adjustment:Closed valve 1/2 turn to 1 turn,Valve 5% open
OXEW1917	10/26/2021 16:05	52.7	35.6	0.0	11.7	-21.0	-21.0	-33.9	73.1	2.9	Valve Adjustment:No Change,Valve at minimum position
OXEW1918	10/6/2021 11:26	2.9	6.9	14.6	75.6	-0.1	-0.1	-35.1	76.2	2.3	Valve Adjustment:NSPS/CAI,Valve at minimum position,Closed valve 1/2 turn or less
OXEW1918	10/6/2021 11:29	2.9	6.5	14.6	76.0	-0.1	-0.1	-35.3	74.8	1.6	Valve Adjustment:NSPS/CAI,Valve at minimum position,Closed valve 1/2 turn or less
OXEW1918	10/27/2021 10:44	10.7	17.7	5.5	66.1	-0.1	-0.1	-33.8	85.5	2.4	Valve Adjustment:NSPS/CAI,Valve at minimum position,Closed valve 1/2 turn or less
OXEW1918	10/27/2021 10:47	10.7	17.7	5.5	66.1	-0.1	-0.1	-33.9	86.5	1.5	Valve Adjustment:NSPS/CAI,Valve at minimum position,Closed valve 1/2 turn or less
OXEW1919	10/6/2021 12:00	20.2	30.2	0.0	49.6	-3.2	-1.3	-35.3	71.7	2.6	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less
OXEW1919	10/27/2021 9:39	28.6	29.8	0.0	41.6	-1.6	-1.3	-34.0	79.7	0.8	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less
OXEW1920	10/6/2021 12:06	48.5	32.7	0.0	18.8	-0.1	-0.1	-35.1	63.8	0.9	Valve Adjustment:No Change,Valve at minimum position
OXEW1920	10/27/2021 9:44	55.4	35.5	0.0	9.1	-0.1	-0.1	-34.2	66.5	0.6	Valve Adjustment:No Change,Valve at minimum position
OXEW1921	10/6/2021 11:40	52.7	36.3	0.8	10.2	-33.4	-33.3	-35.4	114.5	19.5	Valve Adjustment:No Change,Valve 75% open
OXEW1921	10/21/2021 13:41	52.6	38.0	0.7	8.7	-21.6	-22.1	-22.9	114.0	14.4	Valve Adjustment:No Change,Valve 75% open
OXEW2001	10/12/2021 12:31	55.7	44.2	0.0	0.1	-0.1	-0.1	-28.6	127.0	8.4	Valve Adjustment:Opened valve 1/2 turn or less,Valve 10% open
OXEW2001	10/27/2021 10:59	54.4	45.5	0.0	0.1	0.3	-0.1	-28.6	133.5	11.6	Valve Adjustment:NSPS/CAI,Opened valve 1/2 turn or less,Valve 20% open
OXEW2001	10/27/2021 11:05	54.5	44.2	0.0	1.3	-0.1	-0.1	-28.2	134.1	13.2	Valve Adjustment:NSPS/CAI,Closed valve 1/2 turn or less,Valve 20% open
OXEW2002	10/11/2021 12:50	48.3	41.0	0.0	10.7	-26.4	-25.8	-39.3	121.6	37.4	Valve Adjustment:Closed valve 1/2 turn or less,Valve 50% open
OXEW2002	10/21/2021 11:57	49.7	39.5	0.0	10.8	-17.9	-17.5	-26.8	121.4	19.4	Valve Adjustment:Closed valve 1/2 turn or less,Valve 45% open
OXEW2003	10/11/2021 13:06	55.6	42.4	0.1	1.9	-37.0	-37.0	-37.3	119.8	4.3	Valve Adjustment:No Change,Valve 100% open
OXEW2003	10/21/2021 11:53	56.3	42.3	0.0	1.4	-25.6	-25.5	-25.8	121.0	1.9	Valve Adjustment:No Change,Valve 100% open
OXEW2004	10/6/2021 12:38	54.4	42.3	0.0	3.3	-25.2	-25.2	-39.0	130.2	51.1	Valve Adjustment:No Change,Valve 60% open
OXEW2004	10/18/2021 12:16	54.0	40.5	0.1	5.4	-29.3	-29.3	-46.4	130.2	55.3	Valve Adjustment:No Change,Valve 60% open
OXEW2004	10/21/2021 11:44	55.4	40.4	0.0	4.2	-19.6	-19.5	-27.4	129.8	37.5	Valve Adjustment:No Change,Valve 60% open
OXEW2005	10/6/2021 12:32	54.0	43.4	0.3	2.3	-1.6	-1.6	-35.4	69.0	0.6	Valve Adjustment:Opened valve 1/2 turn or less,Valve 5% open
OXEW2005	10/21/2021 11:37	55.6	41.7	0.0	2.7	-1.4	-1.5	-24.1	65.4	0.1	Valve Adjustment:Opened valve 1/2 turn or less,Valve 10% open
OXEW2006	10/6/2021 11:53	11.2	20.7	4.9	63.2	-9.1	-8.1	-34.9	72.1	4.3	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less
OXEW2006	10/21/2021 13:55	12.6	17.1	6.8	63.5	-4.7	-3.6	-22.3	69.5	3.3	Valve Adjustment:NSPS/CAI,Valve at minimum position,Closed valve 1/2 turn or less
OXEW2006	10/21/2021 13:59	13.1	17.6	6.2	63.1	-3.5	-2.7	-22.5	68.8	2.6	Valve Adjustment:NSPS/CAI,Valve at minimum position,Closed valve 1/2 turn or less
OXEW2006	10/28/2021 10:52	9.7	17.9	4.7	67.7	-9.8	-8.5	-34.0	72.7	1.7	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less
OXEW2007	10/6/2021 11:45	50.7	38.4	0.8	10.1	-31.0	-30.9	-35.0	116.2	14.0	Valve Adjustment:Closed valve 1/2 turn or less,Valve 90% open
OXEW2007	10/21/2021 13:48	51.2	37.9	0.7	10.2	-20.2	-20.2	-22.7	114.7	10.4	Valve Adjustment:No Change,Valve 90% open
OXEW2008	10/6/2021 12:28	60.3	35.7	0.1	3.9	-35.7	-35.7	-36.0	73.8	3.7	Valve Adjustment:No Change,Valve 100% open
OXEW2008	10/21/2021 14:11	59.2	35.9	0.0	4.9	-22.3	-22.3	-22.3	69.9	2.5	Valve Adjustment:No Change,Valve 100% open
OXEW2009	10/12/2021 13:05	55.2	43.7	0.1	1.0	-34.5	-34.5	-35.5	98.3	7.0	Valve Adjustment:No Change,Valve 100% open
OXEW2009	10/26/2021 15:48	56.2	39.8	0.0	4.0	-33.7	-33.6	-33.8	95.2	9.3	Valve Adjustment:No Change,Valve 100% open
OXEW2010	10/12/2021 13:01	32.0	34.7	0.4	32.9	-9.1	-7.6	-35.5	80.3	4.9	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn to 1 turn

OXEW2010	10/26/2021 16:01	44.5	36.1	0.0	19.4	-7.4	-7.5	-34.2	75.7	4.0	Valve Adjustment:No Change,Valve at minimum position
OXEW2011	10/12/2021 12:43	44.3	39.4	0.0	16.3	-3.5	-2.0	-34.9	117.8	11.9	Valve Adjustment:Closed valve 1/2 turn or less,Valve 10% open
OXEW2011	10/27/2021 11:09	55.0	44.1	0.0	0.9	-0.6	-0.6	-34.6	116.2	8.8	Valve Adjustment:Opened valve 1/2 turn or less,Valve 10% open
OXEW2012	10/11/2021 13:17	50.2	41.7	0.1	8.0	-27.3	-27.0	-40.1	112.8	27.5	Valve Adjustment:Closed valve 1/2 turn or less,Valve 45% open
OXEW2012	10/21/2021 12:29	49.0	38.8	0.1	12.1	-18.9	-18.8	-25.9	112.1	21.8	Valve Adjustment:Closed valve 1/2 turn or less,Valve 45% open
OXEW2016	10/6/2021 14:16	55.6	40.4	0.1	3.9	-13.8	-13.8	-34.5	130.1	33.9	Valve Adjustment:No Change,Valve 40% open
OXEW2016	10/20/2021 12:51	54.8	41.1	0.1	4.0	-14.9	-14.9	-35.3	130.2	35.5	Valve Adjustment:No Change,Valve 40% open
OXEW2017	10/6/2021 14:27	56.6	40.8	0.3	2.3	-0.1	-0.2	-33.9	118.7	5.5	Valve Adjustment:Opened valve 1/2 turn or less,Valve 15% open
OXEW2017	10/20/2021 12:41	49.6	38.3	1.9	10.2	-0.5	-0.4	-34.8	115.3	6.2	Valve Adjustment:Closed valve 1/2 turn or less,Valve 10% open
OXEW2019	10/7/2021 10:05	54.1	42.8	0.0	3.1	-9.3	-9.4	-34.6	99.5	63.8	Valve Adjustment:Opened valve 1/2 turn or less,Valve 75% open
OXEW2019	10/26/2021 14:40	58.1	39.4	0.0	2.5	-8.3	-8.4	-29.8	100.0	62.3	Valve Adjustment:Opened valve 1/2 turn or less,Valve 75% open
OXEW2020	10/6/2021 15:01	58.9	40.4	0.0	0.7	0.4	-0.1	-35.9	130.6	6.7	Valve Adjustment:NSPS/CAI,Opened valve 1/2 turn or less
OXEW2020	10/6/2021 15:07	59.0	39.4	0.0	1.6	-0.2	-0.2	-36.6	131.4	7.5	Valve Adjustment:NSPS/CAI,Valve at minimum position,Closed valve 1/2 turn or less
OXEW2020	10/18/2021 12:32	57.3	42.7	0.0	0.0	-1.7	-1.7	-38.0	130.4	6.9	Valve Adjustment:No Change,Valve at minimum position
OXEW2021	10/8/2021 10:14	58.6	41.0	0.0	0.4	-1.4	-1.7	-35.8	89.2	3.5	Valve Adjustment:Opened valve 1/2 turn or less,Valve 20% open
OXEW2021	10/27/2021 9:58	58.3	39.0	0.3	2.4	-7.9	-7.9	-35.0	105.0	5.0	Valve Adjustment:No Change,Valve 20% open
OXEW2022	10/7/2021 14:26	58.4	39.4	0.0	2.2	-0.1	-0.6	-36.2	129.9	22.4	Valve Adjustment:Opened valve 1/2 turn or less,Valve 25% open
OXEW2022	10/27/2021 12:25	59.3	40.7	0.0	0.0	-5.5	-5.6	-34.9	129.7	15.3	Valve Adjustment:No Change,Valve 25% open
OXEW2023	10/6/2021 13:52	59.1	40.1	0.0	0.8	-28.0	-28.0	-31.1	123.0	33.9	Valve Adjustment:No Change,Valve 100% open
OXEW2023	10/20/2021 13:25	59.7	40.3	0.0	0.0	-30.3	-30.3	-33.9	123.0	41.1	Valve Adjustment:No Change,Valve 100% open
OXEW2024	10/6/2021 13:30	53.4	38.5	0.1	8.0	-3.8	-3.8	-33.9	109.0	57.7	Valve Adjustment:No Change,Valve 45% open
OXEW2024	10/20/2021 11:56	46.5	38.3	0.1	15.1	-5.5	-4.0	-35.5	107.3	57.7	Valve Adjustment:Closed valve 1/2 turn to 1 turn,Valve 40% open
OXEW2025	10/7/2021 9:59	58.6	41.4	0.0	0.0	-2.4	-2.4	-3.6	101.8	5.6	Valve Adjustment:No Change,Valve 100% open
OXEW2025	10/26/2021 14:37	60.0	39.4	0.0	0.6	-3.0	-2.9	-3.8	98.3	27.6	Valve Adjustment:No Change,Valve 100% open
OXEW2026	10/7/2021 10:13	55.9	44.1	0.0	0.0	-20.2	-20.1	-36.3	95.9	99.2	Valve Adjustment:No Change,Valve 100% open
OXEW2026	10/26/2021 14:34	58.1	39.8	0.0	2.1	-17.7	-17.7	-32.1	97.3	96.5	Valve Adjustment:No Change,Valve 100% open
OXEW2027	10/7/2021 10:25	57.9	42.1	0.0	0.0	-32.9	-33.0	-33.1	93.7	41.1	Valve Adjustment:No Change,Valve 100% open
OXEW2027	10/26/2021 14:57	60.4	39.5	0.1	0.0	-30.1	-30.0	-30.1	89.3	12.4	Valve Adjustment:No Change,Valve 100% open
OXEW2028	10/7/2021 10:19	56.2	43.8	0.0	0.0	-15.7	-15.9	-37.0	88.6	22.8	Valve Adjustment:Valve 100% open,Opened valve 1/2 turn to 1 turn
OXEW2028	10/26/2021 14:29	59.1	39.1	0.1	1.7	-14.2	-14.2	-31.3	89.0	21.4	Valve Adjustment:No Change,Valve 100% open
OXEW2029	10/7/2021 14:20	48.9	37.9	0.1	13.1	-5.8	-5.7	-37.2	120.9	35.6	Valve Adjustment:Closed valve 1/2 turn or less,Valve 45% open
OXEW2029	10/27/2021 12:18	54.1	38.3	0.2	7.4	-5.0	-5.0	-35.9	121.7	34.9	Valve Adjustment:No Change,Valve 45% open
OXEW2030	10/6/2021 14:07	55.4	40.5	0.0	4.1	-29.0	-29.1	-33.1	125.6	34.4	Valve Adjustment:Opened valve 1/2 turn to 1 turn,Valve 85% open
OXEW2030	10/20/2021 13:08	55.1	40.1	0.0	4.8	-30.2	-30.3	-33.9	125.4	36.4	Valve Adjustment:Opened valve 1/2 turn or less,Valve 90% open
OXEW2031	10/6/2021 14:10	54.7	40.5	0.0	4.8	-23.9	-23.9	-34.1	125.7	34.3	Valve Adjustment:No Change,Valve 100% open

OXEW2031	10/20/2021 13:00	54.2	40.3	0.1	5.4	-25.2	-25.5	-34.7	125.5	34.4	Valve Adjustment:No Change,Valve 100% open
OXEW2101	10/8/2021 10:48	50.3	45.3	0.0	4.4	-0.7	-0.7	-35.0	125.0	15.0	Valve Adjustment:Closed valve 1/2 turn or less,Valve 15% open
OXEW2101	10/27/2021 9:17	54.3	42.0	0.0	3.7	-0.6	-0.6	-35.8	125.7	14.4	Valve Adjustment:No Change,Valve 20% open
OXEW2102	10/6/2021 13:17	59.8	38.0	0.0	2.2	-27.1	-27.9	-32.6	92.6	33.4	Valve Adjustment:Opened valve 1/2 turn to 1 turn,Valve 70% open
OXEW2102	10/20/2021 12:05	59.4	40.5	0.1	0.0	-28.6	-29.3	-33.8	75.3	40.4	Valve Adjustment:Opened valve 1/2 turn to 1 turn,Valve 85% open
OXEW2103	10/6/2021 13:24	53.9	38.3	0.0	7.8	-4.4	-4.5	-33.2	101.2	48.4	Valve Adjustment:Opened valve 1/2 turn or less,Valve 45% open
OXEW2103	10/20/2021 12:02	50.2	37.9	0.3	11.6	-4.8	-4.2	-36.3	100.8	50.6	Valve Adjustment:Closed valve 1/2 turn to 1 turn,Valve 40% open
OXEW2104	10/6/2021 13:35	56.1	41.4	0.0	2.5	-11.5	-11.4	-35.5	113.3	101.4	Valve Adjustment:No Change,Valve 100% open
OXEW2104	10/20/2021 11:52	55.4	42.1	0.1	2.4	-12.1	-12.1	-36.0	113.0	105.1	Valve Adjustment:No Change,Valve 100% open
OXEW2105	10/6/2021 14:39	52.7	37.8	0.0	9.5	-6.6	-6.6	-32.4	107.5	63.8	Valve Adjustment:No Change,Valve 70% open
OXEW2105	10/20/2021 12:25	50.0	39.0	0.1	10.9	-7.0	-6.3	-33.4	106.7	65.6	Valve Adjustment:Closed valve 1/2 turn to 1 turn,Valve 60% open
OXEW2106	10/7/2021 11:24	56.7	43.3	0.0	0.0	-9.7	-12.7	-29.7	116.7	20.9	Valve Adjustment:Opened valve 1/2 turn to 1 turn,Valve 45% open
OXEW2106	10/26/2021 13:51	59.4	40.1	0.1	0.4	-16.1	-16.3	-23.0	113.0	17.5	Valve Adjustment:Opened valve 1/2 turn or less,Valve 50% open
OXEW2107	10/12/2021 12:24	54.8	45.2	0.0	0.0	-1.6	-1.6	-13.0	127.7	8.9	Valve Adjustment:No Change,Valve 20% open
OXEW2107	10/18/2021 12:22	54.7	45.3	0.0	0.0	-4.9	-4.9	-21.0	126.4	9.3	Valve Adjustment:No Change,Valve 15% open
OXEW2108	10/11/2021 13:10	55.6	41.7	0.0	2.7	-1.6	-1.7	-37.5	126.6	15.0	Valve Adjustment:Opened valve 1/2 turn or less,Valve 20% open
OXEW2108	10/21/2021 12:00	55.4	41.9	0.0	2.7	-1.6	-1.7	-25.5	125.7	14.2	Valve Adjustment:Opened valve 1/2 turn or less,Valve 20% open
OXEW2109	10/12/2021 12:38	31.9	34.0	0.0	34.1	-13.0	-11.6	-36.1	102.5	5.3	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn to 1 turn
OXEW2109	10/21/2021 14:30	48.2	38.4	0.0	13.4	-2.1	-1.9	-24.1	85.9	2.7	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less
OXEW2110	10/6/2021 13:57	59.5	39.3	0.0	1.2	-20.8	-21.0	-23.3	111.4	27.1	Valve Adjustment:Valve 100% open,Opened valve 1/2 turn to 1 turn
OXEW2110	10/20/2021 13:20	59.6	40.4	0.0	0.0	-23.9	-23.9	-25.7	108.1	28.2	Valve Adjustment:No Change,Valve 100% open
OXEW2111	10/7/2021 11:48	52.1	43.2	0.0	4.7	-3.3	-3.3	-40.3	101.1	73.3	Valve Adjustment:No Change,Valve 50% open
OXEW2111	10/26/2021 14:13	58.4	38.9	0.0	2.7	-2.7	-3.0	-35.3	101.8	71.7	Valve Adjustment:Opened valve 1/2 turn or less,Valve 50% open
OXEW2112	10/7/2021 10:35	55.0	44.6	0.0	0.4	-10.9	-12.0	-23.5	98.5	71.9	Valve Adjustment:Opened valve 1/2 turn to 1 turn,Valve 90% open
OXEW2112	10/26/2021 14:26	58.9	40.3	0.0	0.8	-9.4	-9.5	-17.8	98.1	64.1	Valve Adjustment:Opened valve 1/2 turn or less,Valve 95% open
OXEW2113	10/7/2021 11:42	53.6	42.0	0.0	4.4	-20.4	-20.4	-38.5	120.5	44.1	Valve Adjustment:Opened valve 1/2 turn or less,Valve 50% open
OXEW2113	10/26/2021 14:09	58.5	39.3	0.1	2.1	-18.9	-18.9	-33.5	120.7	41.7	Valve Adjustment:No Change,Valve 50% open
OXEWHC6A	10/11/2021 13:44	38.8	41.3	0.0	19.9	-0.3	-0.1	-38.4	71.1	1.4	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less
OXEWHC6A	10/27/2021 10:13	56.6	42.6	0.0	0.8	-0.1	-0.1	-35.3	77.8	4.3	Valve Adjustment:Valve at minimum position,Opened valve 1/2 turn or less
OXHC1922	10/7/2021 11:41	50.9	41.3	0.9	6.9	-0.3	-0.3	-35.0	75.5	8.4	Valve Adjustment:No Change,Valve 35% open
OXHC1922	10/26/2021 14:05	59.8	39.0	0.0	1.2	-0.2	-0.2	-31.8	75.4	7.6	Valve Adjustment:Opened valve 1/2 turn or less,Valve 35% open
OXHC2000	10/12/2021 11:44	58.2	41.5	0.1	0.2	-14.0	-13.8	-35.2	78.9	46.7	Valve Adjustment:No Change,Valve 75% open
OXHC2000	10/27/2021 12:21	58.6	41.4	0.0	0.0	-8.8	-10.0	-33.5	73.0	53.8	Valve Adjustment:Opened valve 1/2 turn to 1 turn,Valve 90% open
OXHC2001	10/12/2021 11:34	44.5	33.9	5.1	16.5	-8.8	-7.8	-36.6	77.5	111.8	Valve Adjustment:NSPS/CAI,Closed valve 1/2 turn to 1 turn,Valve 70% open
OXHC2001	10/12/2021 11:37	44.9	33.7	4.8	16.6	-7.8	-7.4	-40.3	75.2	103.9	Valve Adjustment:Closed valve 1/2 turn or less,Valve 65% open

OXHC2001	10/27/2021 12:12	41.9	29.8	6.5	21.8	-5.4	-4.5	-41.3	73.7	104.5	Valve Adjustment:NSPS/CAI,Closed valve 1/2 turn to 1 turn,Valve 50% open
OXHC2001	10/27/2021 12:18	45.6	31.7	4.9	17.8	-3.8	-2.9	-43.3	74.4	81.3	Valve Adjustment:Closed valve 1/2 turn to 1 turn,Valve 45% open
OXHC2013	10/7/2021 11:08	55.8	44.2	0.0	0.0	-0.1	-0.1	-38.9	69.9	14.9	Valve Adjustment:No Change,Valve 15% open
OXHC2013	10/26/2021 15:11	59.2	39.5	0.0	1.3	-0.4	-0.4	-33.6	73.7	13.8	Valve Adjustment:Opened valve 1/2 turn or less,Valve 25% open
OXHC2014	10/7/2021 10:28	57.4	42.6	0.0	0.0	-1.1	-1.1	-29.6	77.1	40.2	Valve Adjustment:No Change,Valve 100% open
OXHC2014	10/26/2021 14:15	58.7	40.4	0.0	0.9	-0.7	-0.7	-17.7	77.6	32.2	Valve Adjustment:No Change,Valve 100% open
OXHC2015	10/11/2021 12:16	59.0	40.1	0.0	0.9	0.4	-0.1	-40.1	85.0	9.4	Valve Adjustment:NSPS/CAI,Opened valve >1 turn,Valve 30% open
OXHC2015	10/11/2021 12:19	58.8	41.2	0.0	0.0	-0.2	-0.2	-40.3	86.6	30.8	Valve Adjustment:No Change,Valve 30% open
OXHC2015	10/27/2021 9:12	57.5	39.6	0.0	2.9	-1.2	-1.3	-39.8	60.5	35.1	Valve Adjustment:Opened valve 1/2 turn or less,Valve 35% open
OXLCR4A1	10/11/2021 12:23	57.2	42.0	0.0	0.8	-24.8	-28.4	-41.3	70.3	14.8	Valve Adjustment:Opened valve 1/2 turn or less,Valve 50% open
OXLCR4A1	10/27/2021 9:19	57.3	38.5	0.0	4.2	-19.2	-26.7	-39.7	66.5	23.8	Valve Adjustment:Opened valve 1/2 turn or less,Valve 55% open
OXLCR4B1	10/11/2021 12:25	53.7	41.0	1.3	4.0	-0.9	-1.0	-38.7	80.3	6.7	Valve Adjustment:Opened valve 1/2 turn or less,Valve 5% open
OXLCR4B1	10/27/2021 9:16	53.4	36.6	1.5	8.5	-2.0	-2.1	-37.7	62.7	9.1	Valve Adjustment:No Change,Valve 10% open
OXLCRS07	10/12/2021 11:26	57.0	40.1	0.7	2.2	-14.5	-14.3	-34.1	85.3	114.4	Valve Adjustment:No Change,Valve 100% open
OXLCRS07	10/27/2021 12:10	57.7	38.4	0.8	3.1	-12.6	-12.6	-36.0	83.9	121.4	Valve Adjustment:No Change,Valve 100% open
OXLCRS3A	10/4/2021 15:55	57.2	41.5	0.0	1.3	-27.6	-27.8	-31.9	94.8	107.7	Valve Adjustment:No Change,Valve 100% open
OXLCRS3A	10/26/2021 12:51	56.0	44.0	0.0	0.0	-25.8	-25.0	-31.4	93.3	121.6	Valve Adjustment:No Change,Valve 100% open
OXLCRS3B	10/4/2021 16:02	55.3	44.4	0.0	0.3	-27.3	-27.6	-33.0	95.8	133.1	Valve Adjustment:No Change,Valve 100% open
OXLCRS3B	10/26/2021 12:53	56.7	43.3	0.0	0.0	-24.1	-24.0	-30.7	93.4	146.1	Valve Adjustment:No Change,Valve 100% open
OXLCRS7B	10/12/2021 11:29	56.7	39.1	0.7	3.5	-15.5	-15.2	-33.6	85.6	107.0	Valve Adjustment:No Change,Valve 100% open
OXLCRS7B	10/27/2021 12:06	57.5	38.2	0.9	3.4	-12.7	-12.7	-32.7	83.9	108.9	Valve Adjustment:No Change,Valve 100% open
OXME302D	10/8/2021 10:21	56.8	40.0	0.7	2.5	-20.3	-20.5	-35.1	119.8	57.2	Valve Adjustment:Opened valve 1/2 turn or less
OXME302D	10/27/2021 9:55	53.2	35.2	0.3	11.3	-19.3	-19.3	-34.8	120.4	25.3	Valve Adjustment:No Change
OXME306D	10/4/2021 15:12	55.4	40.1	0.0	4.5	-30.4	-30.5	-31.1	127.6	15.8	Valve Adjustment:No Change,Valve 100% open
OXME306D	10/27/2021 10:26	60.1	36.1	0.0	3.8	-34.5	-34.5	-35.0	127.7	15.4	Valve Adjustment:No Change,Valve 100% open
OXME312D	10/7/2021 14:12	54.4	38.9	0.0	6.7	-2.4	-2.4	-35.4	118.4	15.2	Valve Adjustment:Opened valve 1/2 turn or less
OXME312D	10/27/2021 12:11	55.6	38.6	0.0	5.8	-2.9	-2.9	-34.6	118.7	14.3	Valve Adjustment:No Change
OXME316D	10/8/2021 13:35	57.6	39.8	0.1	2.5	-26.6	-26.8	-31.6	126.3	31.7	Valve Adjustment:Opened valve 1/2 turn or less,Valve 60% open
OXME316D	10/26/2021 12:44	58.7	38.9	0.3	2.1	-24.6	-24.9	-29.2	126.2	34.7	Valve Adjustment:Opened valve 1/2 turn or less,Valve 60% open
OXME317D	10/8/2021 13:43	57.8	41.0	0.0	1.2	-32.9	-32.9	-33.2	80.4	3.3	Valve Adjustment:No Change,Valve 100% open
OXME317D	10/26/2021 12:59	58.9	40.7	0.1	0.3	-31.0	-31.0	-30.7	77.3	5.3	Valve Adjustment:No Change,Valve 100% open
OXMEW113	10/4/2021 16:03	49.7	38.1	1.1	11.1	-13.6	-13.8	-34.2	85.2	66.4	Valve Adjustment:No Change
OXMEW113	10/26/2021 14:56	56.6	34.2	0.0	9.2	-14.6	-14.0	-32.6	80.8	89.2	Valve Adjustment:No Change
OXMEW122	10/12/2021 11:11	57.0	42.6	0.0	0.4	-35.2	-35.2	-34.7	79.3	4.1	Valve Adjustment:No Change,Valve 100% open
OXMEW122	10/27/2021 11:35	57.7	42.3	0.0	0.0	-35.2	-35.2	-35.3	75.3	0.0	Valve Adjustment:No Change,Valve 100% open

OXMEW126	10/12/2021 14:26	57.9	40.8	0.0	1.3	-32.6	-32.7	-33.4	74.8	11.7	Valve Adjustment:No Change,Valve 100% open
OXMEW126	10/26/2021 14:28	60.0	37.9	0.0	2.1	-31.7	-31.8	-32.0	69.3	7.0	Valve Adjustment:No Change,Valve 100% open
OXMEW138	10/4/2021 15:49	39.8	34.5	0.0	25.7	-1.9	-0.6	-31.7	85.0	9.3	Valve Adjustment:Valve at minimum position,Closed valve >10%
OXMEW138	10/4/2021 15:51	37.4	32.5	0.0	30.1	-0.7	-0.7	-32.3	84.6	6.5	Valve Adjustment:No Change,Valve at minimum position
OXMEW138	10/27/2021 13:33	56.3	39.6	0.0	4.1	-1.1	-1.3	-32.4	78.5	6.1	Valve Adjustment:Opened valve 1/2 turn or less,Valve 5% open
OXMEW145	10/4/2021 16:18	53.9	41.7	0.1	4.3	-22.4	-22.4	-34.4	101.0	21.8	Valve Adjustment:No Change,Valve 40% open
OXMEW145	10/26/2021 15:07	56.8	39.6	0.0	3.6	-20.7	-20.8	-32.8	99.4	21.0	Valve Adjustment:No Change,Valve 40% open
OXMEW156	10/11/2021 13:47	48.9	41.8	0.2	9.1	-24.2	-18.5	-37.9	71.2	6.1	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less
OXMEW156	10/21/2021 13:01	56.6	40.7	0.0	2.7	-7.8	-8.0	-24.7	68.1	2.3	Valve Adjustment:Valve at minimum position,Opened valve 1/2 turn or less
OXMEW158	10/12/2021 14:37	49.8	42.8	0.0	7.4	-10.0	-8.5	-35.2	73.8	0.0	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less
OXMEW158	10/26/2021 14:18	55.0	38.9	0.2	5.9	-13.0	-12.9	-33.1	74.5	0.5	Valve Adjustment:No Change,Valve at minimum position
OXMEW159	10/12/2021 14:33	49.1	40.5	0.2	10.2	-21.3	-21.1	-35.4	73.2	0.0	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less
OXMEW159	10/26/2021 14:20	55.2	39.8	0.0	5.0	-20.5	-20.5	-33.3	72.4	5.0	Valve Adjustment:No Change,Valve at minimum position
OXMEW162	10/4/2021 15:27	53.7	30.4	3.3	12.6	-31.9	-31.9	-33.7	89.8	6.9	Valve Adjustment:No Change,Valve at minimum position
OXMEW162	10/26/2021 11:17	49.2	26.2	4.3	20.3	-32.0	-32.0	-32.9	67.9	10.6	Valve Adjustment:No Change,Valve at minimum position
OXMEW170	10/6/2021 11:33	31.6	27.6	0.1	40.7	-31.7	-30.7	-34.9	61.8	0.8	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less
OXMEW170	10/21/2021 13:31	33.4	28.9	0.0	37.7	-17.9	-16.9	-22.4	64.4	0.4	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less
OXMEW173	10/6/2021 12:41	47.8	40.3	0.0	11.9	-1.7	-1.7	-36.6	104.3	9.0	Valve Adjustment:Closed valve 1/2 turn or less
OXMEW173	10/21/2021 13:13	47.9	37.6	0.0	14.5	-1.1	-1.1	-24.3	95.0	25.3	Valve Adjustment:Closed valve 1/2 turn or less
OXMEW174	10/11/2021 13:53	30.3	37.6	0.9	31.2	-4.8	-2.9	-37.7	70.9	9.9	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less
OXMEW174	10/27/2021 10:09	57.0	42.0	0.0	1.0	-0.1	-0.1	-35.5	74.1	0.5	Valve Adjustment:Valve at minimum position,Opened valve 1/2 turn or less
OXMEW175	10/11/2021 13:41	26.6	35.5	0.0	37.9	-6.2	-3.8	-37.7	79.7	5.1	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less
OXMEW175	10/27/2021 10:33	57.5	40.4	0.0	2.1	-0.5	-0.5	-36.0	75.7	2.5	Valve Adjustment:No Change,Valve at minimum position
OXMEW176	10/7/2021 10:38	55.2	44.3	0.0	0.5	-7.1	-7.8	-37.5	111.0	23.4	Valve Adjustment:Opened valve 1/2 turn or less
OXMEW176	10/27/2021 14:36	55.0	39.2	0.1	5.7	-34.6	-34.6	-34.1	111.3	322.0	Valve Adjustment:No Change,Valve 100% open
OXMEW181	10/12/2021 14:10	56.5	41.2	0.0	2.3	-3.8	-3.9	-37.4	114.6	16.3	Valve Adjustment:Opened valve 1/2 turn or less
OXMEW181	10/26/2021 13:23	58.4	40.7	0.0	0.9	-3.8	-4.2	-33.5	114.9	0.0	Valve Adjustment:Opened valve 1/2 turn or less
OXMEW182	10/8/2021 12:31	54.5	39.5	0.0	6.0	-29.9	-29.9	-33.9	120.0	6.7	Valve Adjustment:No Change,Valve 100% open
OXMEW182	10/18/2021 14:03	53.3	41.3	0.0	5.4	-34.0	-34.0	-38.5	119.8	18.7	Valve Adjustment:No Change,Valve 100% open
OXMEW183	10/8/2021 11:23	53.6	43.0	0.0	3.4	-4.1	-4.1	-33.6	118.3	37.0	Valve Adjustment:No Change
OXMEW183	10/27/2021 8:40	55.7	38.4	0.0	5.9	-4.1	-4.1	-32.0	118.3	39.0	Valve Adjustment:No Change
OXMEW184	10/8/2021 11:18	52.1	42.6	0.0	5.3	-0.3	-0.4	-34.7	120.3	14.4	Valve Adjustment:No Change
OXMEW184	10/27/2021 8:47	54.4	38.4	0.0	7.2	-0.4	-0.4	-33.0	119.8	13.2	Valve Adjustment:No Change
OXMEW185	10/8/2021 11:12	48.6	41.9	0.0	9.5	-0.9	-0.8	-34.1	119.4	14.7	Valve Adjustment:Closed valve 1/2 turn or less
OXMEW185	10/27/2021 8:51	51.7	39.9	0.0	8.4	-1.0	-1.0	-34.0	119.9	14.1	Valve Adjustment:No Change

OXMEW186	10/6/2021 14:50	55.6	39.2	0.2	5.0	0.2	-0.1	-36.2	136.5	1.2	Valve Adjustment:NSPS/CAI,Opened valve 1/2 turn or less,Valve 20% open
OXMEW186	10/6/2021 14:58	56.8	41.4	0.1	1.7	-0.1	-0.1	-36.3	139.9	1.3	Valve Adjustment:NSPS/CAI,Closed valve 1/2 turn or less,Valve 15% open
OXMEW186	10/18/2021 12:47	55.8	41.6	0.2	2.4	-0.7	-0.2	-37.0	138.5	2.0	Valve Adjustment:NSPS/CAI,Closed valve 1/2 turn to 1 turn,Valve 5% open
OXMEW186	10/18/2021 12:48	56.0	41.9	0.2	1.9	-0.2	-0.2	-36.4	130.0	1.4	Valve Adjustment:No Change,Valve 5% open
OXMEW186	10/27/2021 11:59	56.2	39.4	0.1	4.3	-0.2	-0.2	-35.0	127.4	1.4	Valve Adjustment:No Change,Valve 10% open
OXMEW187	10/8/2021 11:33	50.4	45.9	0.2	3.5	-0.5	-0.5	-34.2	115.9	8.3	Valve Adjustment:Closed valve 1/2 turn or less
OXMEW187	10/27/2021 10:43	54.6	39.6	0.0	5.8	-0.4	-0.4	-34.1	118.2	7.5	Valve Adjustment:No Change
OXMEW188	10/8/2021 10:59	51.2	43.7	0.0	5.1	-1.0	-1.0	-34.7	117.8	14.4	Valve Adjustment:No Change
OXMEW188	10/27/2021 9:02	53.4	41.4	0.0	5.2	-1.1	-1.1	-34.6	115.1	14.6	Valve Adjustment:No Change
OXMEW189	10/8/2021 10:55	49.1	42.0	2.2	6.7	-0.3	-0.4	-34.3	101.4	33.1	Valve Adjustment:No Change
OXMEW189	10/27/2021 9:12	54.1	41.3	0.0	4.6	-0.2	-0.3	-34.7	110.9	32.5	Valve Adjustment:No Change
OXMEW190	10/7/2021 14:16	50.6	38.5	0.2	10.7	-8.8	-8.8	-33.0	125.5	21.3	Valve Adjustment:No Change,Valve 40% open
OXMEW190	10/27/2021 12:15	54.5	39.1	0.1	6.3	-8.7	-8.7	-34.4	126.4	27.1	Valve Adjustment:No Change,Valve 40% open
OXMEW191	10/11/2021 13:04	50.1	39.3	0.0	10.6	-3.6	-3.5	-37.6	127.7	20.8	Valve Adjustment:Closed valve 1/2 turn or less
OXMEW191	10/21/2021 11:48	47.5	40.2	0.0	12.3	-2.7	-2.6	-25.9	126.7	16.4	Valve Adjustment:Closed valve 1/2 turn or less
OXMEW192	10/11/2021 13:23	52.8	39.6	0.0	7.6	-1.7	-1.7	-38.8	69.9	0.0	Valve Adjustment:Opened valve 1/2 turn or less
OXMEW192	10/21/2021 12:42	51.8	38.4	0.0	9.8	-1.5	-1.5	-25.0	68.4	3.5	Valve Adjustment:No Change
OXMEW194	10/12/2021 14:23	50.9	40.0	0.4	8.7	-22.2	-22.2	-34.3	86.7	9.7	Valve Adjustment:No Change
OXMEW194	10/26/2021 13:05	56.5	38.9	0.1	4.5	-20.5	-20.7	-32.7	83.3	11.2	Valve Adjustment:Opened valve 1/2 turn or less
OXMEW196	10/8/2021 12:24	55.6	38.9	0.0	5.5	-6.6	-6.6	-33.7	96.0	4.7	Valve Adjustment:Opened valve 1/2 turn or less
OXMEW196	10/18/2021 13:14	53.3	39.7	0.0	7.0	-7.1	-7.1	-35.8	96.2	7.4	Valve Adjustment:Opened valve 1/2 turn or less
OXMEW199	10/7/2021 14:00	58.4	39.2	0.0	2.4	-2.1	-2.3	-36.6	119.5	13.3	Valve Adjustment:Opened valve 1/2 turn or less
OXMEW199	10/27/2021 11:52	56.6	38.6	0.0	4.8	-3.2	-3.2	-35.2	121.9	8.0	Valve Adjustment:No Change
OXMEW199	10/27/2021 12:47	58.9	36.7	0.0	4.4	-2.9	-2.9	-35.6	121.8	18.3	Valve Adjustment:No Change
OXMEW200	10/8/2021 11:28	53.8	46.2	0.0	0.0	-0.1	-0.2	-34.8	115.4	8.1	Valve Adjustment:Opened valve 1/2 turn or less
OXMEW200	10/27/2021 10:47	56.3	43.6	0.0	0.1	-0.2	-0.2	-33.8	107.6	32.2	Valve Adjustment:No Change
OXMEW201	10/8/2021 11:08	49.5	42.3	0.0	8.2	-0.4	-0.3	-34.4	100.8	32.0	Valve Adjustment:Closed valve 1/2 turn or less
OXMEW201	10/27/2021 8:53	50.7	39.7	0.0	9.6	-0.4	-0.4	-35.0	98.4	6.9	Valve Adjustment:No Change
OXMEW203	10/4/2021 15:57	54.1	33.5	1.8	10.6	-3.8	-3.8	-34.2	86.4	4.7	Valve Adjustment:No Change,Valve 5% open
OXMEW203	10/26/2021 14:52	54.6	31.6	1.4	12.4	-3.6	-3.6	-33.5	75.9	3.8	Valve Adjustment:No Change,Valve at minimum position
OXMEW204	10/4/2021 15:55	56.0	42.0	0.0	2.0	-0.1	-0.1	-31.9	105.6	3.8	Valve Adjustment:No Change,Valve 10% open
OXMEW204	10/26/2021 12:34	56.2	43.8	0.0	0.0	-0.7	-0.7	-30.7	98.8	8.7	Valve Adjustment:No Change,Valve 10% open
OXMEW205	10/8/2021 11:58	52.1	44.9	0.0	3.0	-0.3	-0.4	-34.7	124.8	0.0	Valve Adjustment:No Change,Valve 15% open
OXMEW205	10/27/2021 11:48	55.4	41.9	0.0	2.7	-0.3	-0.3	-34.7	125.1	0.0	Valve Adjustment:Opened valve 1/2 turn or less,Valve 15% open
OXMEW209	10/8/2021 10:38	48.3	39.9	0.0	11.8	-2.0	-1.8	-35.5	118.9	6.2	Valve Adjustment:Closed valve 1/2 turn or less,Valve 30% open

OXMEW209	10/27/2021 9:38	45.0	35.2	4.3	15.5	-0.2	-0.2	-34.8	115.6	6.7	Valve Adjustment:No Change,Valve 30% open
OXMEW209	10/27/2021 9:41	48.2	37.3	2.8	11.7	-0.4	-0.4	-34.4	119.0	6.3	Valve Adjustment:No Change,Valve 30% open
OXMEW210	10/4/2021 15:10	54.0	35.9	0.3	9.8	-26.1	-26.1	-31.1	126.4	37.8	Valve Adjustment:No Change,Valve 70% open
OXMEW210	10/27/2021 11:38	57.5	40.2	0.4	1.9	-29.2	-29.2	-35.6	126.0	41.1	Valve Adjustment:Opened valve 1/2 turn or less,Valve 75% open
OXMEW300	10/8/2021 10:17	59.1	40.1	0.0	0.8	-33.8	-33.8	-35.0	104.8	16.2	Valve Adjustment:No Change,Valve 100% open
OXMEW300	10/27/2021 12:02	60.2	39.7	0.1	0.0	-33.0	-33.0	-34.6	105.9	17.1	Valve Adjustment:No Change,Valve 100% open
OXMEW302	10/8/2021 10:25	55.5	39.8	0.0	4.7	-2.6	-2.7	-35.4	105.4	5.7	Valve Adjustment:Opened valve 1/2 turn or less
OXMEW302	10/27/2021 9:51	56.9	39.8	0.0	3.3	-3.1	-3.1	-34.8	105.4	5.5	Valve Adjustment:No Change
OXMEW303	10/4/2021 15:07	62.1	34.2	0.2	3.5	-31.2	-31.3	-31.2	91.8	7.9	Valve Adjustment:No Change,Valve 100% open
OXMEW303	10/27/2021 10:16	62.5	35.9	0.2	1.4	-35.3	-35.2	-34.9	68.8	12.3	Valve Adjustment:No Change
OXMEW306	10/4/2021 15:19	48.8	40.4	0.0	10.8	-0.4	-0.3	-30.8	113.3	7.5	Valve Adjustment:Closed valve 1/2 turn or less
OXMEW306	10/27/2021 10:28	57.6	40.5	0.0	1.9	-1.1	-1.1	-35.0	109.8	5.9	Valve Adjustment:No Change
OXMEW307	10/4/2021 16:23	55.8	41.9	0.4	1.9	-34.2	-34.3	-34.1	93.5	2.3	Valve Adjustment:No Change,Valve 100% open
OXMEW307	10/26/2021 15:11	57.9	38.6	0.0	3.5	-32.8	-33.0	-33.1	96.4	2.3	Valve Adjustment:No Change,Valve 100% open
OXMEW309	10/8/2021 10:34	45.7	39.5	0.0	14.8	-21.2	-20.5	-34.9	126.1	46.3	Valve Adjustment:Closed valve 1/2 turn or less
OXMEW309	10/27/2021 9:27	53.6	40.9	0.0	5.5	-18.4	-18.4	-33.5	127.6	47.2	Valve Adjustment:No Change
OXMEW310	10/8/2021 12:20	54.1	39.1	0.0	6.8	-8.3	-8.3	-33.7	117.6	193.6	Valve Adjustment:Opened valve 1/2 turn or less
OXMEW310	10/18/2021 13:17	52.1	41.1	0.0	6.8	-9.8	-9.7	-34.3	118.0	209.6	Valve Adjustment:No Change
OXMEW311	10/4/2021 15:28	53.7	40.8	0.0	5.5	-12.6	-12.6	-32.6	121.5	23.7	Valve Adjustment:No Change
OXMEW311	10/26/2021 12:09	56.2	41.0	0.0	2.8	-12.7	-12.6	-32.9	121.3	23.4	Valve Adjustment:No Change
OXMEW312	10/7/2021 14:09	52.5	39.5	0.0	8.0	-2.3	-2.3	-35.9	101.6	31.1	Valve Adjustment:No Change
OXMEW312	10/27/2021 12:09	55.5	42.0	0.1	2.4	-1.6	-1.6	-34.3	101.8	10.2	Valve Adjustment:No Change
OXMEW315	10/7/2021 14:48	56.8	37.3	0.3	5.6	-33.7	-33.6	-34.5	120.8	20.4	Valve Adjustment:No Change,Valve 100% open
OXMEW315	10/27/2021 12:32	58.1	38.3	0.0	3.6	-32.1	-31.9	-34.0	121.6	26.7	Valve Adjustment:No Change,Valve 100% open
OXMEW316	10/8/2021 13:37	59.4	39.4	0.0	1.2	-31.2	-31.2	-32.5	109.7	7.7	Valve Adjustment:No Change,Valve 100% open
OXMEW316	10/26/2021 12:50	61.0	39.0	0.0	0.0	-29.0	-29.0	-30.2	111.1	8.0	Valve Adjustment:No Change,Valve 100% open
OXMEW317	10/8/2021 13:40	57.9	38.9	0.0	3.2	-32.5	-32.5	-32.7	106.9	18.4	Valve Adjustment:No Change,Valve 100% open
OXMEW317	10/26/2021 12:53	60.5	38.9	0.0	0.6	-30.7	-30.7	-30.7	107.0	19.3	Valve Adjustment:No Change,Valve 100% open
OXMEW318	10/12/2021 13:45	48.2	39.3	0.0	12.5	-1.6	-1.6	-33.5	112.1	10.5	Valve Adjustment:Closed valve 1/2 turn or less
OXMEW318	10/18/2021 13:59	48.3	38.4	0.0	13.3	-1.6	-1.6	-38.5	111.6	11.6	Valve Adjustment:Closed valve 1/2 turn or less
OXMEW319	10/8/2021 12:35	52.8	39.1	0.0	8.1	-10.8	-10.8	-33.4	109.6	14.0	Valve Adjustment:No Change
OXMEW319	10/18/2021 13:25	51.3	40.5	0.0	8.2	-11.1	-11.1	-36.1	109.3	13.6	Valve Adjustment:No Change
OXMEW320	10/7/2021 13:43	57.7	40.1	0.0	2.2	-35.5	-35.4	-35.9	124.5	13.6	Valve Adjustment:No Change,Valve 100% open
OXMEW320	10/27/2021 12:56	58.7	39.0	0.0	2.3	-33.8	-33.8	-34.4	125.5	14.5	Valve Adjustment:No Change
OXMEW322	10/8/2021 13:33	57.3	41.1	0.0	1.6	-33.4	-33.4	-34.5	119.6	19.5	Valve Adjustment:No Change,Valve 100% open

OXMEW322	10/26/2021 12:40	59.5	39.7	0.0	0.8	-32.3	-32.3	-32.8	119.2	18.4	Valve Adjustment:No Change,Valve 100% open
OXMEW323	10/8/2021 13:24	57.9	40.6	0.0	1.5	-32.5	-32.4	-33.2	114.8	15.4	Valve Adjustment:No Change,Valve 100% open
OXMEW323	10/21/2021 10:24	59.5	40.5	0.0	0.0	-25.6	-25.5	-25.6	113.1	12.2	Valve Adjustment:No Change,Valve 100% open
OXMEW328	10/6/2021 14:32	59.1	39.9	0.0	1.0	-20.0	-19.4	-28.1	121.1	12.7	Valve Adjustment:No Change,Valve 100% open
OXMEW328	10/20/2021 12:33	59.3	40.6	0.1	0.0	-22.7	-22.6	-30.7	121.6	22.9	Valve Adjustment:No Change,Valve 100% open
OXMEWHC1	10/4/2021 16:27	47.3	34.9	2.7	15.1	-34.5	-34.7	-34.2	79.1	N/A	Valve Adjustment:No Change,Valve at minimum position
OXMEWHC1	10/26/2021 14:35	48.9	31.3	1.7	18.1	-32.7	-32.8	-32.8	70.6	N/A	Valve Adjustment:No Change,Valve at minimum position
OXMEWW05	10/12/2021 13:09	55.8	43.9	0.0	0.3	-35.6	-35.4	-37.3	113.6	9.0	Valve Adjustment:No Change,Valve 100% open
OXMEWW05	10/26/2021 15:56	54.5	40.6	0.0	4.9	-34.8	-34.7	-35.1	112.9	16.8	Valve Adjustment:No Change
OXMEWW06	10/12/2021 13:14	54.6	44.4	0.1	0.9	-36.2	-36.3	-37.4	92.4	41.0	Valve Adjustment:No Change,Valve 100% open
OXMEWW06	10/26/2021 15:52	55.2	40.1	0.0	4.7	-35.2	-35.2	-35.1	91.0	47.4	Valve Adjustment:No Change
OXMEWW08	10/11/2021 13:16	55.6	42.7	0.0	1.7	-0.6	-0.7	-37.7	72.2	17.6	Valve Adjustment:Opened valve 1/2 turn or less,Valve 15% open
OXMEWW08	10/21/2021 12:05	55.6	41.9	0.0	2.5	-0.8	-0.8	-25.4	68.4	6.3	Valve Adjustment:Opened valve 1/2 turn or less,Valve 15% open
OXMEWW15	10/7/2021 10:40	16.0	12.0	15.3	56.7	-38.4	-21.5	-39.2	58.5	10.6	Valve Adjustment:NSPS/CAI,Closed valve 1/2 turn to 1 turn
OXMEWW15	10/7/2021 10:47	13.4	10.0	15.9	60.7	-26.7	-4.6	-38.8	59.0	5.4	Valve Adjustment:NSPS/CAI,Valve at minimum position,Closed valve >1 turn
OXMEWW15	10/13/2021 10:05	0.6	1.7	21.7	76.0	-7.2	-37.6	-37.8	58.8	5.9	Valve Adjustment:NSPS/CAI,Valve 100% open,Opened valve >1 turn
OXMEWW15	10/13/2021 10:11	20.6	18.3	13.0	48.1	-37.3	-3.8	-38.0	59.0	0.0	Valve Adjustment:NSPS/CAI,Valve at minimum position,Closed valve >1 turn
OXMEWW15	10/27/2021 14:28	0.7	1.2	20.0	78.1	-8.4	-35.7	-35.6	84.7	0.0	Valve Adjustment:NSPS/CAI,Opened valve >1 turn
OXMEWW15	10/27/2021 14:32	15.8	15.5	12.9	55.8	-35.5	-27.7	-35.1	86.0	11.1	Valve Adjustment:NSPS/CAI,Valve at minimum position,Closed valve >1 turn
OXMEWW17	10/7/2021 11:02	46.6	40.3	3.4	9.7	-20.9	-19.3	-27.1	62.0	0.0	Valve Adjustment:Closed valve 1/2 turn to 1 turn
OXMEWW17	10/26/2021 15:01	48.7	37.7	2.4	11.2	-13.6	-13.6	-30.2	70.2	10.8	Valve Adjustment:No Change
OXMEWW18	10/7/2021 11:15	56.5	43.5	0.0	0.0	-34.7	-35.0	-37.0	65.3	16.5	Valve Adjustment:Opened valve 1/2 turn or less
OXMEWW18	10/26/2021 13:44	58.4	39.4	0.1	2.1	-31.4	-31.3	-32.8	63.2	6.6	Valve Adjustment:No Change,Valve 100% open
OXMEWW1G	10/12/2021 13:32	46.7	39.3	0.1	13.9	-9.1	-8.6	-35.7	80.3	7.0	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less
OXMEWW1G	10/26/2021 15:44	56.3	38.5	0.0	5.2	-8.8	-8.9	-33.5	78.3	6.5	Valve Adjustment:No Change,Valve at minimum position
OXMEWW1I	10/12/2021 13:27	48.8	40.5	0.2	10.5	-7.9	-7.1	-36.1	84.1	4.7	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less
OXMEWW1I	10/26/2021 15:37	57.4	39.0	0.0	3.6	-8.0	-8.0	-33.9	79.3	4.7	Valve Adjustment:No Change,Valve 5% open
OXMEWW1J	10/12/2021 13:23	49.9	42.6	0.2	7.3	-4.5	-4.4	-37.7	83.7	7.5	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less
OXMEWW1J	10/26/2021 15:34	57.1	39.8	0.0	3.1	-7.7	-7.7	-33.8	80.8	6.8	Valve Adjustment:No Change,Valve at minimum position
OXMEWW1K	10/12/2021 13:20	49.5	43.3	0.0	7.2	-9.1	-6.8	-38.2	76.1	8.7	Valve Adjustment:Closed valve 1/2 turn or less
OXMEWW1K	10/26/2021 15:31	56.0	38.6	0.0	5.4	-8.7	-8.7	-35.1	72.6	14.1	Valve Adjustment:No Change
OXMEWW1S	10/7/2021 10:51	55.7	44.2	0.1	0.0	-26.1	-26.1	-27.0	69.7	21.1	Valve Adjustment:No Change
OXMEWW1S	10/27/2021 15:16	58.0	40.4	0.0	1.6	-31.0	-31.1	-31.6	71.8	26.3	Valve Adjustment:No Change,Valve 100% open
OXMHCF03	10/4/2021 17:01	54.2	45.5	0.1	0.2	-39.7	-40.0	-40.9	81.2	26.0	Valve Adjustment:No Change,Valve 100% open
OXMHCF03	10/20/2021 10:42	57.3	42.6	0.1	0.0	-40.3	-40.3	-41.2	66.1	20.0	Valve Adjustment:No Change,Valve 100% open

OXMHCF04	10/4/2021 16:57	42.5	32.7	4.2	20.6	-40.2	-4.7	-40.3	85.3	8.1	Valve Adjustment:Closed valve 1/2 turn to 1 turn
OXMHCF04	10/20/2021 10:44	53.6	41.2	1.1	4.1	-41.4	-41.4	-41.7	59.7	10.6	Valve Adjustment:No Change
OXMPEW30	10/12/2021 12:46	51.2	40.7	0.4	7.7	-34.8	-34.8	-35.7	69.9	4.0	Valve Adjustment:No Change,Valve 5% open
OXMPEW30	10/21/2021 14:24	52.3	39.9	0.0	7.8	-24.0	-24.0	-24.2	64.2	2.0	Valve Adjustment:No Change,Valve 10% open
OXMPEW31	10/12/2021 12:53	55.8	42.8	0.0	1.4	-35.3	-35.3	-35.8	74.4	6.8	Valve Adjustment:No Change,Valve 100% open
OXMPEW31	10/21/2021 14:35	56.3	41.5	0.0	2.2	-26.1	-26.1	-26.4	67.4	7.8	Valve Adjustment:No Change,Valve 100% open
OXMPEW32	10/11/2021 13:33	25.7	32.4	0.0	41.9	-16.3	-10.4	-37.3	80.6	11.3	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn to 1 turn
OXMPEW32	10/21/2021 12:55	55.9	39.1	0.0	5.0	-0.3	-0.3	-24.8	68.3	0.3	Valve Adjustment:Valve at minimum position,Opened valve 1/2 turn or less
OXMPEW33	10/11/2021 13:31	57.4	39.6	0.0	3.0	-1.4	-1.5	-38.6	82.5	4.9	Valve Adjustment:Opened valve 1/2 turn or less,Valve 5% open
OXMPEW33	10/21/2021 12:52	58.5	39.9	0.0	1.6	-1.0	-1.1	-25.1	79.5	3.3	Valve Adjustment:Valve at minimum position,Opened valve 1/2 turn or less
OXMPEW35	10/12/2021 12:33	51.1	41.5	0.0	7.4	-10.6	-10.6	-34.0	127.2	17.6	Valve Adjustment:No Change
OXMPEW35	10/21/2021 14:31	52.5	39.7	0.0	7.8	-5.1	-5.2	-24.2	124.1	15.5	Valve Adjustment:No Change
OXMPEW44	10/7/2021 10:55	54.4	45.4	0.2	0.0	-26.5	-26.6	-27.2	72.8	3.8	Valve Adjustment:Opened valve 1/2 turn or less,Valve 10% open
OXMPEW44	10/26/2021 15:05	57.3	41.5	0.1	1.1	-29.6	-29.7	-30.2	76.0	1.0	Valve Adjustment:Opened valve 1/2 turn or less,Valve 15% open

Bold Italics = HOV/LTCO approval from BAAQMD

*Some flow readings not available due to low/no flow conditions recorded by GEM.

**Well OXEWHC6A is an NSPS exempt well.

NSPS/EG CAI = New Source Performance Standards Corrective Action Initiated

CH_4 = Methane

CO_2 = Carbon Dioxide

O_2 = Oxygen

BAL = Balance Gas, usually nitrogen

in. wk.. = inches of water column

Deg. F. = degrees in Fahrenheit

scfm = standard cubic feet per minute

% = percent

N/A = Not applicable

≤140 degrees F Temperature HOV per Title V Permit Condition Number 10164 part 18(b)(viii)
OXEW1618, OXMEW205, OXMEW209, OXMPEW35

≤15% Oxygen HOV per Title V Permit Condition Number 10164 part 18(b)(i)
OMTLTS01, OMTLTS02, OMTLTS03, OMTLTS04, OMTLTS05, OMTLTS06, OMTLTS07, OMTLTS08, OMTLTS09, OMTLTS10, OMTLTS11, OMTLTS12, OMTLTS15, OMTLTS16, OMTLTS17, OMTLTS18, OMTLTS19, OMTLTS20, ~~OXLCRS01~~, OXLCRS4A, OXLCRS4B, ~~OXLCRS05~~, ~~OXLCRS06~~, OXLCRS07, ~~OXMEWHC6~~, ~~OXMTBTC1,~~ OXMEWW17, and ~~OXMHCF06~~.

LTCO per Title V Permit Condition Number 10164 part 18(d)(i)
OMTLTS01, OMTLTS02, OMTLTS03, OMTLTS04, OMTLTS05, OMTLTS06, OMTLTS07, OMTLTS08, OMTLTS09, OMTLTS10, OMTLTS11, OMTLTS12, OMTLTS15, OMTLTS16, OMTLTS17, OMTLTS18, OMTLTS19, OMTLTS20, ~~OXLCRS01,~~ OXLCRS4A, OXLCRS4B, ~~OXLCRS05, OXLCRS06~~, and OXLCRS07.

*Wells that have been decommissioned are noted with a strikethrough.

OX MOUNTAIN LANDFILL
Wellfield Monitoring Report - November 1, 3, 4, 5, 8, 9, 10, 11, 17, 18, 19, 22, 23, 24, 29, and 30, 2021

Device ID	Date and Time	CH_4	CO_2	O_2	BAL	Initial Static Pressure	Adjusted Static Pressure	Lateral Pressure	Initial Temperature	Initial Flow*	Comments
		%	%	%	%	in. wk..	in. wk..	in. wk..	Deg. F.	scfm	
OMLEW101	11/9/2021 13:05	54.4	39.5	1.0	5.1	-0.5	-0.5	-37.2	68.6	7.1	Valve Adjustment:No Change,Valve 5% open
OMLEW101	11/18/2021 10:39	52.5	42.3	1.0	4.2	-0.5	-0.5	-35.8	70.2	6.6	Valve Adjustment:No Change,Valve at minimum position
OMLEW104	11/9/2021 10:02	51.3	41.1	0.1	7.5	-21.3	-21.3	-39.6	85.5	34.6	Valve Adjustment:Closed valve 1/2 turn or less
OMLEW104	11/18/2021 11:57	50.4	41.6	0.0	8.0	-20.5	-20.5	-38.8	85.9	36.9	Valve Adjustment:No Change
OMLEW107	11/9/2021 10:11	58.2	40.6	0.2	1.0	-39.0	-38.8	-39.2	68.6	11.1	Valve Adjustment:No Change,Valve 100% open
OMLEW107	11/18/2021 12:00	57.4	41.6	0.0	1.0	-38.9	-38.8	-38.5	70.6	14.0	Valve Adjustment:No Change,Valve 100% open
OMLFEW59	11/4/2021 9:07	53.4	38.0	0.0	8.6	-1.2	-1.2	-33.2	107.6	11.7	Valve Adjustment:No Change,Valve 15% open
OMLFEW59	11/17/2021 11:54	52.7	41.1	0.0	6.2	-0.6	-0.6	-32.7	109.3	9.2	Valve Adjustment:No Change,Valve 15% open
OMLFEW72	11/9/2021 9:54	56.1	39.4	0.0	4.5	-1.1	-1.4	-39.3	56.9	N/A	Valve Adjustment:Opened valve 1/2 turn or less
OMLFEW72	11/18/2021 11:47	53.5	40.6	0.0	5.9	-1.3	-1.3	-38.7	64.4	N/A	Valve Adjustment:No Change,Valve 5% open
OMLFEW99	11/4/2021 12:54	51.6	38.9	0.1	9.4	-1.0	-1.0	-40.3	71.4	18.3	Valve Adjustment:No Change,Valve 10% open
OMLFEW99	11/17/2021 11:08	47.4	40.1	0.0	12.5	-1.1	-1.1	-40.7	71.4	18.6	Valve Adjustment:No Change,Valve 10% open
OMTLTS01	11/9/2021 9:43	45.3	40.1	0.2	14.4	-1.2	-1.0	-39.9	65.2	3.7	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less
OMTLTS01	11/23/2021 10:00	56.4	41.0	0.1	2.5	-1.0	-1.0	-36.2	65.9	2.9	Valve Adjustment:Valve at minimum position,Opened valve 1/2 turn or less
OMTLTS02	11/9/2021 9:39	30.7	29.8	2.5	37.0	-0.6	-0.4	-39.2	73.6	12.1	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn to 1 turn
OMTLTS02	11/23/2021 10:03	58.2	41.6	0.2	0.0	-0.2	-0.2	-39.3	69.6	1.8	Valve Adjustment:Valve at minimum position,Opened valve 1/2 turn or less
OMTLTS03	11/9/2021 9:10	28.4	28.2	0.3	43.1	-0.8	-0.6	-39.4	71.5	9.4	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less
OMTLTS03	11/23/2021 10:08	50.1	36.5	0.6	12.8	-0.3	-0.3	-39.9	69.0	4.5	Valve Adjustment:No Change,Valve at minimum position
OMTLTS04	11/8/2021 11:05	22.1	28.6	0.1	49.2	-0.2	-0.2	-38.4	83.6	7.0	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less
OMTLTS04	11/18/2021 15:48	38.9	34.1	0.0	27.0	-0.2	-0.2	-48.3	65.5	3.5	Valve Adjustment:No Change,Valve at minimum position
OMTLTS05	11/8/2021 10:56	29.8	30.8	2.0	37.4	-0.2	-0.2	-38.4	85.2	5.9	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less
OMTLTS05	11/18/2021 15:44	28.4	31.0	0.0	40.6	-0.2	-0.2	-43.3	68.7	3.3	Valve Adjustment:No Change,Valve at minimum position
OMTLTS06	11/8/2021 10:52	14.6	15.3	12.2	57.9	-0.2	-0.2	-37.9	88.7	4.0	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less
OMTLTS06	11/18/2021 15:40	24.2	24.7	4.7	46.4	-0.2	-0.2	-44.8	67.8	3.1	Valve Adjustment:No Change,Valve at minimum position
OMTLTS07	11/8/2021 10:36	42.7	35.6	0.2	21.5	-0.3	-0.2	-37.1	83.1	4.7	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less
OMTLTS07	11/18/2021 15:21	39.7	31.7	1.1	27.5	-0.1	-0.1	-43.0	70.9	4.1	Valve Adjustment:No Change,Valve at minimum position
OMTLTS08	11/8/2021 10:30	0.3	2.3	19.6	77.8	-0.2	-0.2	-37.1	73.4	0.3	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less
OMTLTS08	11/8/2021 10:33	0.5	3.0	18.5	78.0	-0.2	-0.3	-37.1	74.8	0.2	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less
OMTLTS08	11/18/2021 15:16	54.4	34.2	0.1	11.3	-0.1	-0.1	-42.6	66.9	2.5	Valve Adjustment:No Change,Valve at minimum position
OMTLTS09	11/8/2021 10:28	6.6	20.1	1.3	72.0	-0.2	-0.2	-36.4	74.5	0.5	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less
OMTLTS09	11/18/2021 15:10	46.8	28.8	0.0	24.4	-0.1	-0.1	-43.7	64.0	1.9	Valve Adjustment:No Change,Valve at minimum position

OMTLTS10	11/8/2021 10:24	10.9	20.0	4.9	64.2	-0.3	-0.2	-37.2	92.6	8.2	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less
OMTLTS10	11/18/2021 15:07	44.2	29.3	0.7	25.8	-0.2	-0.2	-43.0	69.4	1.8	Valve Adjustment:No Change,Valve at minimum position
OMTLTS11	11/8/2021 10:05	1.1	5.8	16.7	76.4	-0.5	-0.4	-38.5	88.2	7.3	Valve Adjustment:NSPS/CAI,Valve at minimum position,Closed valve 1/2 turn or less
OMTLTS11	11/8/2021 10:09	1.1	5.7	16.7	76.5	-0.3	-0.3	-36.0	83.1	0.2	Valve Adjustment:NSPS/CAI,Valve at minimum position,Closed valve 1/2 turn or less
OMTLTS11	11/18/2021 15:02	45.8	29.0	0.0	25.2	-0.1	-0.1	-41.7	64.6	2.7	Valve Adjustment:No Change,Valve at minimum position
OMTLTS12	11/8/2021 9:59	13.3	16.4	8.3	62.0	-0.4	-0.4	-35.9	84.6	0.0	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn to 1 turn
OMTLTS12	11/18/2021 14:58	19.5	15.9	7.1	57.5	-0.2	-0.1	-42.3	70.3	3.4	Valve Adjustment:No Change,Valve at minimum position;Well Condition:Oxygen HOV 15%
OMTLTS15	11/8/2021 9:54	10.8	15.1	9.9	64.2	-0.5	-0.5	-39.8	84.2	5.2	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn to 1 turn
OMTLTS15	11/19/2021 13:08	3.0	8.4	14.0	74.6	-0.1	-0.1	-37.5	58.1	0.1	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less
OMTLTS16	11/8/2021 9:44	7.3	20.3	2.7	69.7	-0.5	-0.5	-37.4	71.1	5.0	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn to 1 turn
OMTLTS16	11/19/2021 13:21	0.1	13.5	6.2	80.2	-0.1	-0.1	-36.0	66.5	2.5	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less
OMTLTS17	11/8/2021 9:42	36.6	30.8	2.4	30.2	-0.7	-0.6	-39.0	74.5	9.2	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn to 1 turn
OMTLTS17	11/19/2021 13:24	8.1	18.9	2.4	70.6	-0.2	-0.1	-38.4	73.0	5.3	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less
OMTLTS18	11/5/2021 13:19	58.2	40.6	0.3	0.9	-0.6	-0.6	-38.2	70.2	19.8	Valve Adjustment:No Change,Valve 100% open
OMTLTS18	11/19/2021 13:27	58.9	40.8	0.0	0.3	-0.3	-0.3	-38.1	67.4	20.1	Valve Adjustment:No Change,Valve 100% open
OMTLTS19	11/5/2021 13:20	51.0	39.0	2.7	7.3	-0.4	-0.4	-37.7	75.6	19.9	Valve Adjustment:No Change,Valve 100% open
OMTLTS19	11/19/2021 13:31	57.0	39.7	0.9	2.4	-2.0	-1.9	-37.6	72.0	19.7	Valve Adjustment:No Change,Valve 100% open
OMTLTS20	11/5/2021 13:27	54.3	38.7	0.5	6.5	-0.4	-0.4	-38.5	74.1	22.2	Valve Adjustment:Opened valve 1/2 turn or less,Valve 25% open
OMTLTS20	11/19/2021 13:36	57.7	39.5	0.1	2.7	-1.7	-2.0	-37.5	71.3	23.5	Valve Adjustment:Opened valve 1/2 turn or less,Valve 30% open
OXEW133B	11/9/2021 9:27	25.4	29.7	0.8	44.1	-5.3	-5.0	-31.5	75.6	0.0	Valve Adjustment:Closed valve 1/2 turn or less
OXEW133B	11/23/2021 10:17	25.3	29.4	0.9	44.4	-4.8	-4.2	-33.4	71.9	28.1	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less
OXEW134A	11/9/2021 9:21	54.1	39.1	0.1	6.7	-8.2	-8.8	-38.7	80.3	6.4	Valve Adjustment:Opened valve 1/2 turn or less
OXEW134A	11/23/2021 10:16	53.7	39.1	0.0	7.2	-7.0	-7.4	-38.4	79.1	42.5	Valve Adjustment:Opened valve 1/2 turn or less
OXEW134B	11/9/2021 9:19	55.2	39.8	0.5	4.5	-37.0	-36.8	-39.8	68.9	56.2	Valve Adjustment:No Change,Valve 100% open
OXEW134B	11/23/2021 10:12	54.3	39.7	0.1	5.9	-37.4	-37.8	-39.2	71.9	93.3	Valve Adjustment:Opened valve 1/2 turn or less
OXEW137B	11/8/2021 10:44	57.4	42.2	0.0	0.4	-36.5	-36.2	-37.1	76.2	0.0	Valve Adjustment:No Change,Valve 100% open
OXEW137B	11/23/2021 11:08	56.8	43.0	0.2	0.0	-34.6	-37.6	-34.8	77.2	30.1	Valve Adjustment:No Change,Valve 100% open
OXEW1601	11/3/2021 10:51	58.6	40.0	0.0	1.4	-3.4	-3.4	-33.8	119.7	32.6	Valve Adjustment:Opened valve 1/2 turn or less
OXEW1601	11/23/2021 11:41	55.8	39.1	0.0	5.1	-3.8	-4.0	-38.2	118.9	34.9	Valve Adjustment:Opened valve 1/2 turn or less
OXEW1602	11/1/2021 11:44	53.8	39.1	0.0	7.1	-32.0	-32.0	-33.1	126.7	59.3	Valve Adjustment:No Change,Valve 100% open
OXEW1602	11/19/2021 13:04	54.4	38.5	0.0	7.1	-34.9	-34.9	-35.9	127.3	52.8	Valve Adjustment:No Change,Valve 100% open
OXEW1603	11/3/2021 11:07	58.5	40.3	0.0	1.2	-28.4	-28.4	-30.5	126.6	71.5	Valve Adjustment:No Change,Valve 100% open
OXEW1603	11/22/2021 12:23	56.0	40.7	0.0	3.3	-32.3	-32.3	-33.7	126.9	89.8	Valve Adjustment:No Change,Valve 100% open
OXEW1604	11/1/2021 11:58	57.3	40.6	0.0	2.1	-1.6	-1.7	-28.6	118.7	9.7	Valve Adjustment:Opened valve 1/2 turn or less
OXEW1604	11/19/2021 13:17	48.3	39.2	0.0	12.5	-2.2	-2.2	-31.3	124.7	25.7	Valve Adjustment:No Change,Valve 10% open

OXEW1611	11/3/2021 12:11	59.0	40.3	0.1	0.6	-28.5	-28.5	-28.5	78.7	1.7	Valve Adjustment:No Change,Valve 100% open
OXEW1611	11/22/2021 13:40	57.0	40.2	0.0	2.8	-34.4	-34.4	-33.9	79.1	2.2	Valve Adjustment:No Change,Valve 100% open
OXEW1612	11/1/2021 11:29	56.5	38.9	0.1	4.5	-8.2	-8.3	-34.3	126.0	22.0	Valve Adjustment:Opened valve 1/2 turn or less
OXEW1612	11/19/2021 12:55	54.6	38.7	0.0	6.7	-10.8	-10.8	-36.6	127.0	18.8	Valve Adjustment:No Change
OXEW1612	11/30/2021 11:32	53.4	37.8	0.0	8.8	-10.6	-14.1	-37.3	126.7	23.2	Valve Adjustment:Opened valve 1/2 turn to 1 turn
OXEW1612	11/30/2021 11:34	53.3	38.3	0.0	8.4	-17.7	-21.7	-36.4	127.8	37.7	Valve Adjustment:Opened valve 1/2 turn to 1 turn
OXEW1612	11/30/2021 14:56	52.5	37.9	0.0	9.6	-27.4	-20.0	-36.4	127.6	37.4	Valve Adjustment:Closed valve 1/2 turn to 1 turn
OXEW1613	11/1/2021 12:05	57.2	40.9	0.2	1.7	-3.6	-3.6	-32.8	124.7	45.9	Valve Adjustment:Opened valve 1/2 turn or less
OXEW1613	11/19/2021 13:20	57.1	40.7	0.3	1.9	-3.6	-3.6	-34.9	126.3	24.9	Valve Adjustment:No Change
OXEW1613	11/30/2021 13:14	55.6	40.0	0.2	4.2	-4.1	-6.4	-33.1	126.8	22.9	Valve Adjustment:Opened valve 1/2 turn to 1 turn
OXEW1613	11/30/2021 13:16	55.8	40.1	0.1	4.0	-7.2	-14.1	-32.1	128.0	47.3	Valve Adjustment:Opened valve >1 turn
OXEW1613	11/30/2021 16:23	56.1	40.1	0.3	3.5	-25.0	-18.3	-34.3	128.4	57.0	Valve Adjustment:Closed valve >1 turn
OXEW1614	11/1/2021 12:14	57.6	40.4	0.0	2.0	-0.4	-0.4	-22.7	116.6	25.5	Valve Adjustment:Opened valve 1/2 turn or less
OXEW1614	11/19/2021 13:26	54.4	39.7	0.0	5.9	-0.5	-0.5	-36.2	118.0	12.5	Valve Adjustment:No Change,Valve 5% open
OXEW1616	11/8/2021 12:34	56.4	39.2	0.1	4.3	-8.4	-9.1	-35.3	115.1	26.0	Valve Adjustment:Opened valve 1/2 turn or less
OXEW1616	11/19/2021 13:34	55.2	39.5	0.0	5.3	-10.6	-10.5	-34.8	115.5	16.7	Valve Adjustment:No Change
OXEW1617	11/9/2021 11:19	56.7	43.3	0.0	0.0	-1.4	-1.4	-38.5	127.7	9.3	Valve Adjustment:Opened valve 1/2 turn or less,Valve 20% open
OXEW1617	11/19/2021 10:36	56.0	42.9	0.0	1.1	-1.8	-1.8	-38.5	129.5	8.4	Valve Adjustment:No Change,Valve 15% open
OXEW1617	11/30/2021 11:52	56.6	40.6	0.0	2.8	-1.0	-3.2	-38.1	128.0	8.3	Valve Adjustment:Opened valve 1/2 turn to 1 turn,Valve 30% open
OXEW1617	11/30/2021 11:54	56.9	41.0	0.0	2.1	-3.9	-10.9	-37.9	131.1	28.1	Valve Adjustment:Opened valve 1/2 turn to 1 turn,Valve 45% open
OXEW1617	11/30/2021 15:41	58.2	40.3	0.0	1.5	-16.0	-6.9	-40.7	132.1	57.1	Valve Adjustment:Closed valve >1 turn,Valve 15% open
OXEW1618	11/1/2021 12:08	58.0	41.3	0.0	0.7	-0.5	-0.5	-33.5	128.5	36.2	Valve Adjustment:Opened valve 1/2 turn or less,Valve 20% open
OXEW1618	11/19/2021 13:22	55.6	41.0	0.1	3.3	-0.7	-0.7	-36.0	129.5	39.2	Valve Adjustment:No Change,Valve 20% open
OXEW1619	11/5/2021 14:07	57.4	42.4	0.2	0.0	-37.0	-37.0	-38.2	122.5	16.1	Valve Adjustment:No Change,Valve 100% open
OXEW1619	11/19/2021 14:23	58.0	41.7	0.3	0.0	-36.7	-36.7	-37.4	123.7	13.5	Valve Adjustment:No Change,Valve 100% open
OXEW1620	11/5/2021 14:03	57.7	42.3	0.0	0.0	-1.0	-1.0	-38.8	112.4	4.8	Valve Adjustment:Opened valve 1/2 turn or less,Valve 15% open
OXEW1620	11/19/2021 14:19	58.6	41.4	0.0	0.0	-0.9	-1.2	-38.0	112.1	5.5	Valve Adjustment:Opened valve 1/2 turn or less,Valve 20% open
OXEW1621	11/5/2021 14:40	51.6	40.9	0.0	7.5	-0.2	-0.2	-37.8	108.0	8.0	Valve Adjustment:No Change
OXEW1621	11/19/2021 14:49	51.2	41.0	0.0	7.8	-0.3	-0.3	-37.8	107.6	33.8	Valve Adjustment:No Change
OXEW1622	11/5/2021 14:14	50.2	40.4	2.7	6.7	-5.7	-5.7	-38.4	125.6	14.2	Valve Adjustment:Closed valve 1/2 turn or less
OXEW1622	11/19/2021 14:28	51.5	39.1	1.9	7.5	-6.7	-6.7	-37.5	125.3	14.4	Valve Adjustment:No Change
OXEW1701	11/8/2021 13:08	60.0	39.2	0.2	0.6	-35.0	-35.0	-35.8	119.5	23.6	Valve Adjustment:No Change,Valve 100% open
OXEW1701	11/19/2021 10:56	58.4	40.6	0.0	1.0	-35.2	-35.2	-35.8	119.9	23.2	Valve Adjustment:No Change,Valve 100% open
OXEW1702	11/8/2021 13:05	59.4	39.7	0.1	0.8	-31.6	-31.6	-34.5	123.2	39.5	Valve Adjustment:No Change,Valve 100% open
OXEW1702	11/19/2021 13:57	58.2	39.5	0.0	2.3	-32.0	-31.9	-35.1	123.5	43.4	Valve Adjustment:No Change,Valve 100% open

OXEW1703	11/8/2021 12:56	57.9	40.3	0.1	1.7	-33.0	-33.0	-33.3	126.8	18.4	Valve Adjustment:No Change,Valve 100% open
OXEW1703	11/19/2021 13:51	58.1	40.6	0.0	1.3	-33.1	-32.9	-33.2	127.1	16.9	Valve Adjustment:No Change,Valve 100% open
OXEW1705	11/3/2021 11:35	58.3	41.4	0.3	0.0	-30.2	-30.0	-29.9	78.3	4.3	Valve Adjustment:Opened valve 1/2 turn to 1 turn,Valve 30% open
OXEW1705	11/8/2021 12:32	58.6	39.6	0.2	1.6	-35.4	-35.4	-35.6	83.1	9.1	Valve Adjustment:Opened valve 1/2 turn to 1 turn,Valve 50% open
OXEW1705	11/22/2021 12:10	58.1	40.6	0.0	1.3	-36.3	-36.2	-36.0	89.9	3.5	Valve Adjustment:No Change,Valve 50% open
OXEW1715	11/9/2021 12:43	57.1	39.6	0.1	3.2	-21.8	-22.5	-39.3	61.8	0.1	Valve Adjustment:Opened valve 1/2 turn or less,Valve 25% open
OXEW1715	11/23/2021 12:51	53.5	38.3	0.0	8.2	-19.9	-20.0	-39.7	71.0	0.3	Valve Adjustment:No Change,Valve 20% open
OXEW1716	11/4/2021 12:08	57.7	40.4	0.4	1.5	-38.7	-38.7	-38.8	80.7	7.2	Valve Adjustment:No Change,Valve 100% open
OXEW1716	11/17/2021 10:09	55.5	41.5	0.0	3.0	-40.2	-40.2	-40.0	77.7	4.1	Valve Adjustment:No Change,Valve 100% open
OXEW1717	11/4/2021 12:21	54.3	37.7	0.4	7.6	-22.3	-22.5	-40.7	110.3	4.3	Valve Adjustment:Opened valve 1/2 turn or less,Valve 40% open
OXEW1717	11/17/2021 11:28	53.1	39.3	0.2	7.4	-23.7	-23.6	-40.1	111.0	4.1	Valve Adjustment:No Change,Valve 35% open
OXEW1801	11/1/2021 12:21	57.6	40.0	0.4	2.0	-0.4	-0.5	-34.1	96.5	2.8	Valve Adjustment:Opened valve 1/2 turn or less,Valve 10% open
OXEW1801	11/19/2021 13:30	51.8	36.9	1.9	9.4	-1.0	-1.0	-36.1	100.1	2.6	Valve Adjustment:No Change,Valve 10% open
OXEW1804	11/1/2021 11:51	57.4	39.8	0.0	2.8	-32.7	-32.7	-34.1	121.0	17.6	Valve Adjustment:Opened valve 1/2 turn or less,Valve 70% open
OXEW1804	11/19/2021 13:12	56.2	39.6	0.0	4.2	-35.1	-35.1	-36.8	121.6	14.4	Valve Adjustment:No Change,Valve 70% open
OXEW1805	11/1/2021 11:47	56.1	39.6	0.1	4.2	-5.5	-5.5	-34.2	125.8	15.8	Valve Adjustment:Opened valve 1/2 turn or less,Valve 45% open
OXEW1805	11/19/2021 13:09	54.6	39.1	0.1	6.2	-9.8	-9.7	-36.4	126.4	10.5	Valve Adjustment:No Change,Valve 45% open
OXEW1805	11/30/2021 12:22	53.8	38.6	0.0	7.6	-9.7	-14.5	-35.5	126.4	17.7	Valve Adjustment:Opened valve 1/2 turn to 1 turn,Valve 55% open
OXEW1805	11/30/2021 12:28	52.3	38.5	0.0	9.2	-18.3	-19.3	-34.7	126.4	28.6	Valve Adjustment:Opened valve 1/2 turn or less,Valve 60% open
OXEW1805	11/30/2021 16:31	52.2	38.7	0.1	9.0	-24.3	-22.4	-37.0	124.3	25.5	Valve Adjustment:Closed valve >1 turn,Valve 45% open
OXEW1806	11/5/2021 15:19	53.2	43.0	0.0	3.8	-0.1	-0.1	-38.9	120.9	12.8	Valve Adjustment:Opened valve 1/2 turn or less,Valve 10% open
OXEW1806	11/22/2021 13:00	52.3	40.4	0.1	7.2	-0.1	-0.1	-38.9	121.7	13.0	Valve Adjustment:No Change,Valve 10% open
OXEW1807	11/8/2021 12:50	58.7	39.5	0.1	1.7	-4.4	-4.4	-38.4	129.9	40.7	Valve Adjustment:No Change,Valve 40% open
OXEW1807	11/19/2021 13:45	58.0	39.9	0.0	2.1	-6.4	-6.4	-38.5	129.9	42.8	Valve Adjustment:No Change,Valve 35% open
OXEW1807	11/30/2021 12:09	56.9	38.6	0.0	4.5	-6.1	-10.5	-35.9	129.8	43.6	Valve Adjustment:Opened valve 1/2 turn to 1 turn,Valve 50% open
OXEW1807	11/30/2021 12:10	56.9	38.8	0.0	4.3	-11.8	-16.5	-39.5	129.9	71.6	Valve Adjustment:Opened valve >1 turn,Valve 75% open
OXEW1807	11/30/2021 16:16	55.9	39.0	0.0	5.1	-24.5	-17.0	-38.2	129.2	79.7	Valve Adjustment:Closed valve >1 turn,Valve 40% open
OXEW1808	11/3/2021 11:49	57.6	39.5	1.0	1.9	-28.9	-28.9	-29.0	114.0	6.4	Valve Adjustment:No Change,Valve 100% open
OXEW1808	11/8/2021 12:15	51.9	34.8	2.6	10.7	-35.6	-35.5	-35.8	110.1	7.3	Valve Adjustment:No Change,Valve 100% open
OXEW1808	11/22/2021 11:58	51.0	35.1	3.1	10.8	-36.2	-36.3	-35.9	100.0	2.1	Valve Adjustment:No Change,Valve 100% open
OXEW1809	11/3/2021 10:44	59.0	39.9	0.0	1.1	-4.6	-4.6	-4.9	114.6	19.1	Valve Adjustment:No Change,Valve 100% open
OXEW1809	11/22/2021 12:38	57.5	40.6	0.0	1.9	-3.8	-3.8	-3.8	114.7	16.6	Valve Adjustment:No Change,Valve 100% open
OXEW1810	11/4/2021 9:26	57.5	35.5	0.1	6.9	-4.5	-4.9	-39.6	62.0	1.5	Valve Adjustment:Valve at minimum position,Opened valve 1/2 turn or less
OXEW1810	11/17/2021 12:51	57.2	35.1	0.4	7.3	-10.1	-10.1	-38.2	72.3	3.0	Valve Adjustment:No Change,Valve at minimum position
OXEW1811	11/3/2021 14:40	56.8	39.0	0.5	3.7	-16.2	-16.2	-33.0	95.0	9.6	Valve Adjustment:Opened valve 1/2 turn or less,Valve 30% open

OXEW1811	11/19/2021 10:02	55.3	40.7	0.6	3.4	-21.2	-21.2	-36.8	63.3	9.5	Valve Adjustment:No Change,Valve 30% open
OXEW1812	11/9/2021 10:22	53.8	39.9	0.2	6.1	-20.3	-20.3	-40.0	124.7	38.2	Valve Adjustment:Opened valve 1/2 turn or less,Valve 45% open
OXEW1812	11/23/2021 10:47	53.7	40.8	0.1	5.4	-19.7	-19.8	-39.8	125.7	39.0	Valve Adjustment:Opened valve 1/2 turn or less,Valve 40% open
OXEW1813	11/8/2021 12:40	59.0	39.6	0.3	1.1	-37.5	-37.5	-37.6	115.4	10.7	Valve Adjustment:No Change,Valve 100% open
OXEW1813	11/19/2021 13:38	59.5	40.0	0.0	0.5	-37.3	-37.3	-37.5	115.3	10.9	Valve Adjustment:No Change,Valve 100% open
OXEW1815	11/5/2021 15:45	56.4	40.4	0.0	3.2	-4.2	-4.3	-39.3	126.6	19.5	Valve Adjustment:Opened valve 1/2 turn or less,Valve 30% open
OXEW1815	11/22/2021 12:28	55.6	37.7	0.1	6.6	-4.5	-4.6	-39.9	126.6	20.2	Valve Adjustment:Opened valve 1/2 turn or less,Valve 30% open
OXEW1815	11/29/2021 12:46	54.4	39.4	0.1	6.1	-5.0	-7.5	-39.1	126.9	20.5	Valve Adjustment:Opened valve 1/2 turn to 1 turn,Valve 40% open
OXEW1815	11/29/2021 12:47	54.5	39.6	0.1	5.8	-8.8	-10.0	-40.4	126.7	36.7	Valve Adjustment:Opened valve 1/2 turn or less,Valve 45% open
OXEW1815	11/29/2021 13:08	51.1	39.1	0.1	9.7	-13.9	-8.5	-41.2	126.4	44.3	Valve Adjustment:Closed valve 1/2 turn to 1 turn,Valve 30% open
OXEW1816	11/8/2021 13:34	59.6	38.6	0.1	1.7	-15.3	-15.9	-41.1	115.9	92.5	Valve Adjustment:Opened valve 1/2 turn to 1 turn,Valve 70% open
OXEW1816	11/22/2021 11:53	55.6	41.8	0.0	2.6	-17.2	-17.2	-40.1	116.5	98.2	Valve Adjustment:No Change,Valve 70% open
OXEW1817	11/3/2021 11:54	59.5	39.6	0.1	0.8	-28.2	-28.1	-28.9	105.6	14.1	Valve Adjustment:No Change,Valve 100% open
OXEW1817	11/8/2021 12:14	59.6	38.5	0.2	1.7	-34.7	-34.7	-35.4	105.2	26.4	Valve Adjustment:No Change,Valve 100% open
OXEW1817	11/22/2021 13:57	57.0	40.9	0.0	2.1	-34.0	-33.7	-34.1	106.9	25.3	Valve Adjustment:No Change,Valve 100% open
OXEW1821	11/4/2021 10:17	35.1	23.8	0.0	41.1	-0.1	-0.1	-38.5	61.2	0.2	Valve Adjustment:No Change,Valve at minimum position
OXEW1821	11/17/2021 13:11	36.7	24.0	0.0	39.3	-0.1	-0.2	-38.3	71.5	0.9	Valve Adjustment:No Change,Valve at minimum position
OXEW1822	11/4/2021 10:13	24.1	24.8	0.4	50.7	-0.2	-0.2	-39.2	61.7	0.2	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less
OXEW1822	11/17/2021 13:14	27.5	24.6	0.0	47.9	-0.1	-0.1	-38.4	69.1	0.6	Valve Adjustment:No Change,Valve at minimum position
OXEW1823	11/4/2021 10:07	24.8	30.0	0.1	45.1	-0.1	-0.1	-39.2	61.8	0.2	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less
OXEW1823	11/17/2021 13:21	29.5	30.1	0.1	40.3	-0.1	-0.1	-38.8	70.7	0.5	Valve Adjustment:No Change,Valve at minimum position
OXEW1824	11/4/2021 10:47	62.3	35.9	0.1	1.7	-38.7	-38.7	-38.9	67.0	3.8	Valve Adjustment:No Change,Valve 100% open
OXEW1824	11/17/2021 12:58	62.3	35.4	0.1	2.2	-39.2	-39.3	-39.1	72.6	2.1	Valve Adjustment:No Change,Valve 100% open
OXEW1825	11/4/2021 9:22	42.9	34.0	0.0	23.1	-4.8	-3.9	-39.8	61.0	2.0	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less
OXEW1825	11/17/2021 12:49	47.1	34.5	0.1	18.3	-2.0	-2.0	-38.6	72.6	0.3	Valve Adjustment:No Change,Valve at minimum position
OXEW1826	11/9/2021 10:36	39.6	36.1	0.1	24.2	-4.8	-4.8	-38.9	61.1	1.2	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less
OXEW1826	11/23/2021 10:55	34.9	32.6	2.4	30.1	-4.2	-3.7	-39.6	67.8	0.3	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less
OXEW1901	11/5/2021 13:52	56.5	42.7	0.2	0.6	-38.8	-38.8	-39.2	74.9	4.1	Valve Adjustment:No Change,Valve 100% open
OXEW1901	11/19/2021 14:02	58.0	41.8	0.2	0.0	-38.4	-38.5	-38.5	59.6	7.9	Valve Adjustment:No Change,Valve 100% open
OXEW1902	11/8/2021 13:01	58.3	40.2	0.2	1.3	-35.7	-35.7	-35.5	71.2	6.9	Valve Adjustment:No Change,Valve 100% open
OXEW1902	11/19/2021 13:55	45.4	32.7	2.8	19.1	-35.9	-35.9	-35.4	58.1	5.5	Valve Adjustment:No Change
OXEW1904	11/8/2021 12:54	58.4	39.5	0.1	2.0	-8.7	-9.6	-37.0	107.7	33.2	Valve Adjustment:Opened valve 1/2 turn or less,Valve 45% open
OXEW1904	11/19/2021 13:49	56.1	39.5	0.0	4.4	-12.4	-12.4	-37.2	97.6	37.7	Valve Adjustment:No Change,Valve 45% open
OXEW1908	11/3/2021 12:22	59.1	40.1	0.1	0.7	-23.6	-23.6	-26.8	108.2	24.2	Valve Adjustment:No Change,Valve 100% open
OXEW1908	11/22/2021 13:07	56.6	40.3	0.0	3.1	-29.5	-29.5	-34.3	108.1	9.4	Valve Adjustment:No Change,Valve 100% open

OXEW1909	11/3/2021 13:20	60.0	37.7	0.1	2.2	-31.7	-31.7	-31.9	104.5	9.7	Valve Adjustment:No Change,Valve 100% open
OXEW1909	11/23/2021 11:42	58.3	39.7	0.1	1.9	-35.4	-34.3	-35.6	105.0	16.7	Valve Adjustment:No Change,Valve 100% open
OXEW1910	11/3/2021 12:32	54.6	39.8	0.0	5.6	-20.7	-20.7	-29.4	112.8	15.6	Valve Adjustment:No Change,Valve 100% open
OXEW1910	11/22/2021 13:00	51.1	39.0	0.0	9.9	-25.2	-25.2	-35.9	113.3	5.5	Valve Adjustment:No Change,Valve 100% open
OXEW1911	11/1/2021 11:34	58.1	39.2	0.4	2.3	-4.1	-4.2	-35.3	126.2	9.9	Valve Adjustment:Opened valve 1/2 turn or less,Valve 25% open
OXEW1911	11/19/2021 12:58	56.2	39.0	0.4	4.4	-4.0	-4.0	-37.7	125.4	7.7	Valve Adjustment:No Change,Valve 25% open
OXEW1911	11/30/2021 11:41	57.6	38.8	0.3	3.3	-1.6	-8.6	-38.5	124.7	6.4	Valve Adjustment:Opened valve 1/2 turn to 1 turn,Valve 35% open
OXEW1911	11/30/2021 11:43	57.7	38.8	0.4	3.1	-15.9	-22.3	-38.3	131.0	20.7	Valve Adjustment:Opened valve 1/2 turn to 1 turn,Valve 45% open
OXEW1911	11/30/2021 15:11	52.1	38.2	0.7	9.0	-31.8	-24.4	-38.3	132.0	18.7	Valve Adjustment:Closed valve >1 turn,Valve 25% open
OXEW1912	11/3/2021 10:58	57.2	39.8	0.0	3.0	-12.8	-13.0	-35.6	123.6	31.0	Valve Adjustment:Opened valve 1/2 turn or less,Valve 40% open
OXEW1912	11/22/2021 12:32	53.1	39.7	0.0	7.2	-14.5	-14.6	-39.3	124.1	35.5	Valve Adjustment:No Change,Valve 40% open
OXEW1912	11/30/2021 11:24	52.3	37.5	0.0	10.2	-15.1	-20.0	-38.4	123.8	34.3	Valve Adjustment:Opened valve 1/2 turn to 1 turn,Valve 50% open
OXEW1912	11/30/2021 11:25	52.3	37.6	0.0	10.1	-21.4	-22.4	-41.1	123.9	56.8	Valve Adjustment:Opened valve 1/2 turn to 1 turn,Valve 55% open
OXEW1912	11/30/2021 14:43	52.7	37.5	0.0	9.8	-26.1	-19.3	-39.7	121.9	54.0	Valve Adjustment:Closed valve >1 turn,Valve 35% open
OXEW1913	11/9/2021 10:16	59.3	39.8	0.0	0.9	-4.3	-4.5	-39.2	93.0	6.2	Valve Adjustment:Opened valve 1/2 turn or less,Valve 5% open
OXEW1913	11/23/2021 10:39	59.4	40.5	0.0	0.1	-4.6	-4.7	-40.6	95.2	7.4	Valve Adjustment:Opened valve 1/2 turn or less,Valve 5% open
OXEW1914	11/3/2021 14:13	58.5	39.8	0.0	1.7	-34.8	-34.9	-34.7	107.2	6.4	Valve Adjustment:No Change,Valve 100% open
OXEW1914	11/19/2021 9:45	57.9	42.1	0.0	0.0	-38.8	-38.8	-39.0	104.8	6.0	Valve Adjustment:No Change,Valve 100% open
OXEW1915	11/4/2021 12:38	58.4	40.1	0.0	1.5	-1.7	-1.8	-39.8	66.5	5.4	Valve Adjustment:Valve at minimum position,Opened valve 1/2 turn or less
OXEW1915	11/17/2021 11:16	56.2	41.9	0.0	1.9	-1.9	-1.9	-40.4	63.3	5.7	Valve Adjustment:No Change,Valve at minimum position
OXEW1916	11/9/2021 13:37	48.0	18.8	4.6	28.6	-40.0	-39.9	-40.0	60.3	1.4	Valve Adjustment:Closed valve >1 turn,Valve 60% open
OXEW1916	11/18/2021 9:49	43.2	25.1	3.1	28.6	-40.0	-39.9	-39.6	59.8	0.6	Valve Adjustment:No Change,Valve 55% open
OXEW1917	11/9/2021 13:27	54.7	39.3	0.1	5.9	-25.6	-25.6	-38.6	69.1	2.9	Valve Adjustment:Opened valve 1/2 turn or less,Valve 5% open
OXEW1917	11/18/2021 10:22	54.5	41.7	0.0	3.8	-25.2	-25.2	-37.0	71.3	2.6	Valve Adjustment:No Change,Valve at minimum position
OXEW1918	11/4/2021 9:28	26.1	26.3	0.3	47.3	-0.1	-0.1	-39.2	61.0	1.5	Valve Adjustment:No Change,Valve at minimum position
OXEW1918	11/17/2021 12:55	22.1	24.6	1.4	51.9	-0.1	-0.1	-38.7	77.4	3.2	Valve Adjustment:No Change,Valve at minimum position
OXEW1919	11/4/2021 10:30	38.2	31.9	0.0	29.9	-0.4	-0.2	-39.0	67.2	1.5	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less
OXEW1919	11/17/2021 13:18	59.9	38.8	0.0	1.3	-0.1	-0.1	-39.0	76.2	7.0	Valve Adjustment:No Change,Valve at minimum position
OXEW1920	11/4/2021 10:22	56.3	35.0	0.0	8.7	-0.1	-0.1	-39.0	61.5	0.8	Valve Adjustment:No Change,Valve at minimum position
OXEW1920	11/17/2021 13:08	49.8	32.0	0.3	17.9	-0.1	-0.1	-38.2	71.7	0.4	Valve Adjustment:No Change,Valve at minimum position
OXEW1921	11/4/2021 10:44	54.1	40.3	0.6	5.0	-37.2	-37.1	-39.0	114.2	12.6	Valve Adjustment:No Change,Valve 75% open
OXEW1921	11/17/2021 12:43	52.3	39.7	1.0	7.0	-36.5	-36.5	-39.0	114.7	30.6	Valve Adjustment:No Change,Valve 75% open
OXEW2001	11/4/2021 13:03	46.0	38.6	0.0	15.4	-2.5	-2.3	-34.9	129.1	14.2	Valve Adjustment:Closed valve 1/2 turn or less,Valve 15% open
OXEW2001	11/17/2021 10:59	41.8	38.7	0.0	19.5	-2.9	-2.2	-38.1	125.3	13.4	Valve Adjustment:Closed valve 10% or less,Valve 5% open
OXEW2001	11/30/2021 10:41	54.1	39.0	0.0	6.9	-0.6	-1.4	-38.6	126.5	8.7	Valve Adjustment:Opened valve 1/2 turn to 1 turn,Valve 15% open

OXEW2001	11/30/2021 10:42	54.0	38.7	0.0	7.3	-1.8	-2.7	-37.7	128.5	13.9	Valve Adjustment:Opened valve 1/2 turn to 1 turn,Valve 25% open
OXEW2001	11/30/2021 13:54	46.7	37.9	0.0	15.4	-5.9	-2.3	-37.1	129.2	20.4	Valve Adjustment:Closed valve >1 turn,Valve 5% open
OXEW2002	11/4/2021 11:58	54.8	40.6	0.2	4.4	-25.9	-26.1	-43.1	121.3	45.4	Valve Adjustment:Opened valve 1/2 turn or less,Valve 50% open
OXEW2002	11/17/2021 10:37	54.1	41.4	0.0	4.5	-29.7	-29.4	-43.3	121.3	34.0	Valve Adjustment:No Change,Valve 45% open
OXEW2003	11/4/2021 12:01	56.1	41.3	0.1	2.5	-40.9	-40.9	-40.9	119.2	4.0	Valve Adjustment:No Change,Valve 100% open
OXEW2003	11/17/2021 10:19	55.1	42.9	0.0	2.0	-40.5	-40.5	-40.3	118.4	3.6	Valve Adjustment:No Change,Valve 100% open
OXEW2004	11/4/2021 12:14	56.1	40.8	0.2	2.9	-29.7	-29.7	-43.9	130.3	50.5	Valve Adjustment:No Change,Valve 60% open
OXEW2004	11/17/2021 10:12	55.4	40.4	0.0	4.2	-30.2	-30.1	-44.2	130.2	53.6	Valve Adjustment:No Change,Valve 60% open
OXEW2004	11/30/2021 10:24	54.9	38.3	0.0	6.8	-30.3	-32.7	-45.2	130.0	54.4	Valve Adjustment:Valve 100% open,Opened valve >1 turn
OXEW2004	11/30/2021 12:56	54.0	40.2	0.0	5.8	-32.0	-29.4	-39.9	130.1	57.9	Valve Adjustment:Closed valve >1 turn,Valve 60% open
OXEW2005	11/4/2021 10:40	55.3	43.5	0.0	1.2	-2.4	-2.4	-39.2	78.7	0.6	Valve Adjustment:Opened valve 1/2 turn or less,Valve 10% open
OXEW2005	11/17/2021 12:46	55.1	41.6	0.0	3.3	-1.8	-1.8	-39.0	90.0	0.2	Valve Adjustment:No Change,Valve 5% open
OXEW2006	11/4/2021 10:36	17.4	23.0	0.0	59.6	-0.4	-0.4	-39.1	62.8	0.3	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less
OXEW2006	11/17/2021 13:24	61.9	35.2	0.0	2.9	-0.1	-0.2	-38.6	71.5	1.6	Valve Adjustment:No Change,Valve at minimum position
OXEW2007	11/4/2021 10:58	50.4	36.6	0.7	12.3	-34.8	-34.8	-38.8	115.6	13.9	Valve Adjustment:Closed valve 1/2 turn or less,Valve 85% open
OXEW2007	11/17/2021 13:27	51.0	36.7	0.5	11.8	-34.9	-34.9	-39.0	115.8	14.9	Valve Adjustment:No Change,Valve 85% open
OXEW2008	11/4/2021 11:02	59.9	36.7	0.2	3.2	-38.5	-38.7	-39.0	72.6	9.1	Valve Adjustment:No Change,Valve 100% open
OXEW2008	11/17/2021 13:04	60.8	35.8	0.1	3.3	-38.9	-38.8	-38.6	75.4	1.3	Valve Adjustment:No Change,Valve 100% open
OXEW2009	11/9/2021 13:40	57.0	40.9	0.2	1.9	-39.8	-39.9	-39.8	94.6	6.5	Valve Adjustment:No Change,Valve 100% open
OXEW2009	11/18/2021 10:15	55.4	43.3	0.0	1.3	-41.5	-41.2	-41.0	96.9	8.8	Valve Adjustment:No Change,Valve 100% open
OXEW2010	11/9/2021 13:24	36.2	33.4	1.0	29.4	-12.1	-11.9	-39.9	74.6	4.1	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less
OXEW2010	11/18/2021 10:25	40.4	36.0	0.4	23.2	-17.2	-17.2	-40.9	76.8	3.7	Valve Adjustment:No Change,Valve at minimum position
OXEW2011	11/4/2021 13:17	57.2	41.9	0.0	0.9	-0.5	-0.5	-39.5	114.2	9.1	Valve Adjustment:Opened valve 1/2 turn or less,Valve 10% open
OXEW2011	11/18/2021 9:56	55.5	42.2	0.0	2.3	-2.2	-2.2	-39.8	111.4	10.2	Valve Adjustment:No Change,Valve 10% open
OXEW2012	11/4/2021 11:35	51.9	38.1	0.5	9.5	-30.3	-30.4	-43.6	112.7	29.2	Valve Adjustment:No Change,Valve 45% open
OXEW2012	11/17/2021 10:48	51.6	41.1	0.3	7.0	-30.1	-30.2	-41.4	112.8	27.1	Valve Adjustment:No Change,Valve 40% open
OXEW2016	11/3/2021 11:17	56.8	41.2	0.1	1.9	-15.2	-15.2	-35.0	130.3	33.3	Valve Adjustment:No Change,Valve 40% open
OXEW2016	11/22/2021 12:20	55.1	40.0	0.0	4.9	-17.3	-17.3	-37.1	129.7	32.9	Valve Adjustment:No Change,Valve 35% open
OXEW2016	11/30/2021 11:10	55.7	38.8	0.0	5.5	-17.4	-20.9	-37.8	131.0	34.0	Valve Adjustment:Opened valve 1/2 turn to 1 turn,Valve 50% open
OXEW2016	11/30/2021 11:14	55.9	39.2	0.0	4.9	-22.5	-25.6	-38.5	131.9	46.7	Valve Adjustment:Opened valve 1/2 turn to 1 turn,Valve 65% open
OXEW2016	11/30/2021 14:28	56.1	40.0	0.1	3.8	-28.5	-22.1	-36.9	131.6	49.1	Valve Adjustment:Closed valve >1 turn,Valve 40% open
OXEW2017	11/3/2021 11:11	51.5	38.0	1.7	8.8	-0.4	-0.4	-33.8	115.5	7.3	Valve Adjustment:No Change,Valve 15% open
OXEW2017	11/22/2021 12:29	55.6	40.4	0.6	3.4	-0.1	-0.1	-36.7	110.9	7.4	Valve Adjustment:No Change,Valve 15% open
OXEW2019	11/3/2021 14:01	58.5	39.4	0.0	2.1	-8.9	-9.0	-31.5	100.3	64.0	Valve Adjustment:Opened valve 1/2 turn or less,Valve 80% open
OXEW2019	11/22/2021 13:14	55.7	40.3	0.0	4.0	-9.3	-9.3	-34.1	99.8	67.5	Valve Adjustment:No Change,Valve 80% open

OXEW2020	11/5/2021 15:36	58.3	41.7	0.0	0.0	-1.0	-1.0	-38.3	130.0	7.0	Valve Adjustment:No Change,Valve at minimum position
OXEW2020	11/18/2021 13:32	58.6	40.6	0.0	0.8	-1.2	-2.6	-39.7	126.7	4.9	Valve Adjustment:Opened valve 10% or less,Valve 5% open
OXEW2020	11/18/2021 13:33	58.3	41.7	0.0	0.0	-3.2	-3.3	-39.9	129.9	8.7	Valve Adjustment:No Change,Valve 5% open
OXEW2020	11/29/2021 11:57	58.8	41.1	0.1	0.0	-3.8	-4.4	-39.4	133.2	8.9	Valve Adjustment:Opened valve 1/2 turn or less,Valve 10% open
OXEW2020	11/29/2021 11:59	58.8	41.1	0.1	0.0	-4.5	-7.3	-39.2	133.7	10.5	Valve Adjustment:Valve 100% open,Opened valve >1 turn
OXEW2020	11/29/2021 12:51	58.4	41.5	0.1	0.0	-9.5	-6.1	-38.3	134.4	16.5	Valve Adjustment:Closed valve >1 turn,Valve 5% open
OXEW2021	11/5/2021 15:56	55.8	39.3	0.2	4.7	-3.2	-3.4	-38.3	95.2	2.7	Valve Adjustment:Opened valve 1/2 turn or less,Valve 20% open
OXEW2021	11/22/2021 12:36	59.4	37.8	0.1	2.7	-1.4	-2.0	-38.5	92.9	1.5	Valve Adjustment:Opened valve 1/2 turn or less,Valve 20% open
OXEW2022	11/8/2021 13:20	59.5	39.4	0.1	1.0	-7.5	-7.5	-38.4	130.3	12.3	Valve Adjustment:No Change,Valve 25% open
OXEW2022	11/19/2021 10:50	57.8	41.1	0.0	1.1	-8.2	-8.2	-38.6	130.2	10.7	Valve Adjustment:No Change,Valve 25% open
OXEW2022	11/30/2021 12:01	59.1	39.3	0.0	1.6	-7.8	-9.3	-37.6	131.6	10.1	Valve Adjustment:Opened valve 1/2 turn to 1 turn,Valve 35% open
OXEW2022	11/30/2021 12:03	59.2	39.5	0.0	1.3	-13.7	-22.6	-39.3	131.7	26.7	Valve Adjustment:Opened valve >1 turn,Valve 75% open
OXEW2022	11/30/2021 15:32	59.5	40.5	0.0	0.0	-29.8	-15.9	-38.3	131.2	37.6	Valve Adjustment:Opened valve >1 turn,Valve 25% open
OXEW2023	11/3/2021 11:44	59.2	40.3	0.0	0.5	-27.4	-27.3	-29.0	123.4	37.3	Valve Adjustment:No Change,Valve 100% open
OXEW2023	11/8/2021 12:23	59.3	39.2	0.3	1.2	-32.3	-32.2	-36.0	123.2	45.7	Valve Adjustment:No Change,Valve 100% open
OXEW2023	11/22/2021 12:01	57.6	39.9	0.0	2.5	-32.3	-32.3	-35.8	123.9	7.8	Valve Adjustment:No Change,Valve 100% open
OXEW2024	11/3/2021 11:58	58.2	40.2	0.0	1.6	-1.7	-1.8	-30.5	112.8	42.2	Valve Adjustment:Opened valve 1/2 turn or less,Valve 40% open
OXEW2024	11/22/2021 13:54	56.7	40.0	0.0	3.3	-2.7	-2.7	-38.0	113.0	52.7	Valve Adjustment:No Change,Valve 40% open
OXEW2025	11/3/2021 13:57	59.8	39.8	0.0	0.4	-2.4	-2.4	-3.2	102.1	20.8	Valve Adjustment:No Change,Valve 100% open
OXEW2025	11/22/2021 13:11	58.0	40.1	0.0	1.9	-3.3	-3.3	-3.8	103.1	5.2	Valve Adjustment:No Change,Valve 100% open
OXEW2026	11/3/2021 13:54	58.0	39.9	0.0	2.1	-19.3	-19.3	-35.2	97.7	100.2	Valve Adjustment:No Change,Valve 100% open
OXEW2026	11/22/2021 13:21	55.6	41.1	0.0	3.3	-22.8	-22.7	-37.9	96.9	99.2	Valve Adjustment:No Change,Valve 100% open
OXEW2027	11/3/2021 13:45	60.3	39.3	0.0	0.4	-32.2	-32.2	-31.9	93.4	11.3	Valve Adjustment:No Change,Valve 100% open
OXEW2027	11/22/2021 13:17	57.1	40.5	0.0	2.4	-34.5	-34.7	-34.2	93.6	6.8	Valve Adjustment:No Change,Valve 100% open
OXEW2028	11/3/2021 13:49	59.3	39.2	0.0	1.5	-16.7	-16.5	-33.0	89.4	21.7	Valve Adjustment:No Change,Valve 100% open
OXEW2028	11/22/2021 13:24	56.2	41.6	0.0	2.2	-20.6	-19.9	-35.3	90.2	13.7	Valve Adjustment:No Change,Valve 100% open
OXEW2029	11/8/2021 13:32	58.2	39.0	0.2	2.6	-5.8	-5.9	-39.5	120.4	36.9	Valve Adjustment:Opened valve 1/2 turn or less,Valve 50% open
OXEW2029	11/19/2021 10:47	54.6	40.1	0.1	5.2	-7.1	-7.1	-38.6	121.0	37.6	Valve Adjustment:No Change,Valve 50% open
OXEW2030	11/3/2021 11:29	58.3	40.7	0.0	1.0	-29.5	-29.4	-32.5	125.6	35.9	Valve Adjustment:Valve 100% open,Opened valve 1/2 turn or less
OXEW2030	11/22/2021 12:13	56.8	41.0	0.0	2.2	-32.0	-32.0	-34.8	125.8	36.5	Valve Adjustment:No Change,Valve 100% open
OXEW2031	11/3/2021 11:23	56.0	40.3	0.1	3.6	-24.7	-24.7	-33.9	126.0	33.4	Valve Adjustment:No Change,Valve 100% open
OXEW2031	11/22/2021 12:16	55.0	40.1	0.0	4.9	-27.1	-27.1	-36.6	126.2	35.5	Valve Adjustment:No Change,Valve 100% open
OXEW2101	11/5/2021 15:14	54.8	43.0	0.0	2.2	-0.4	-0.4	-38.5	124.5	13.7	Valve Adjustment:Opened valve 1/2 turn or less,Valve 20% open
OXEW2101	11/19/2021 15:01	54.6	41.7	0.0	3.7	-1.7	-1.9	-39.0	123.4	17.0	Valve Adjustment:Opened valve 1/2 turn or less,Valve 20% open
OXEW2101	11/29/2021 12:14	52.9	40.3	0.1	6.7	-0.5	-1.3	-38.9	125.5	15.0	Valve Adjustment:Opened valve 1/2 turn to 1 turn,Valve 30% open

OXEW2101	11/29/2021 12:16	51.4	41.8	0.1	6.7	-1.6	-2.2	-39.3	126.7	28.7	Valve Adjustment:Opened valve 1/2 turn or less,Valve 35% open
OXEW2101	11/29/2021 12:58	47.8	39.8	0.1	12.3	-3.8	-2.5	-40.8	126.2	39.3	Valve Adjustment:Closed valve 1/2 turn to 1 turn,Valve 20% open
OXEW2102	11/3/2021 12:17	59.1	40.4	0.0	0.5	-26.0	-25.9	-28.6	99.4	35.9	Valve Adjustment:Valve 100% open,Opened valve 1/2 turn to 1 turn
OXEW2102	11/22/2021 13:38	56.9	39.9	0.0	3.2	-30.7	-30.7	-33.9	97.4	40.2	Valve Adjustment:No Change,Valve 100% open
OXEW2103	11/3/2021 12:08	57.7	40.5	0.0	1.8	-3.3	-3.5	-30.5	101.0	42.4	Valve Adjustment:Opened valve 1/2 turn or less,Valve 40% open
OXEW2103	11/22/2021 13:44	55.3	40.0	0.0	4.7	-4.4	-4.4	-37.8	99.8	46.8	Valve Adjustment:No Change,Valve 40% open
OXEW2104	11/3/2021 12:03	56.9	42.2	0.0	0.9	-10.9	-10.9	-30.9	113.6	95.7	Valve Adjustment:No Change,Valve 100% open
OXEW2104	11/22/2021 14:02	55.0	42.0	0.0	3.0	-13.6	-13.6	-36.6	113.7	103.2	Valve Adjustment:No Change,Valve 100% open
OXEW2105	11/3/2021 12:27	56.2	39.6	0.0	4.2	-6.5	-6.6	-28.0	108.5	57.0	Valve Adjustment:Opened valve 1/2 turn or less,Valve 65% open
OXEW2105	11/22/2021 13:04	52.3	39.4	0.0	8.3	-7.5	-7.5	-36.2	108.3	63.5	Valve Adjustment:No Change,Valve 60% open
OXEW2106	11/3/2021 10:46	59.1	40.4	0.0	0.5	-18.3	-18.6	-24.6	116.3	17.6	Valve Adjustment:Opened valve 1/2 turn or less,Valve 60% open
OXEW2106	11/22/2021 12:36	56.9	41.1	0.0	2.0	-19.5	-19.5	-26.1	117.5	19.2	Valve Adjustment:Opened valve 10% or less,Valve 65% open
OXEW2107	11/4/2021 12:58	56.0	42.4	0.0	1.6	-6.1	-6.4	-25.0	124.3	8.7	Valve Adjustment:Opened valve 1/2 turn or less,Valve 20% open
OXEW2107	11/17/2021 11:02	53.9	44.2	0.0	1.9	-7.6	-7.6	-26.6	122.9	3.1	Valve Adjustment:No Change,Valve 15% open
OXEW2107	11/30/2021 10:32	56.0	40.1	0.0	3.9	-5.6	-7.8	-24.5	122.2	2.5	Valve Adjustment:Opened valve 1/2 turn to 1 turn,Valve 25% open
OXEW2107	11/30/2021 10:35	55.9	40.7	0.0	3.4	-9.8	-11.9	-22.4	124.8	10.4	Valve Adjustment:Opened valve 1/2 turn to 1 turn,Valve 40% open
OXEW2107	11/30/2021 13:44	55.9	42.2	0.0	1.9	-25.5	-23.1	-25.9	125.5	4.1	Valve Adjustment:Closed valve >1 turn,Valve 20% open
OXEW2108	11/4/2021 11:47	56.2	41.0	0.0	2.8	-5.4	-5.4	-40.5	125.9	16.6	Valve Adjustment:Opened valve 1/2 turn or less,Valve 20% open
OXEW2108	11/17/2021 10:40	55.0	42.4	0.0	2.6	-6.1	-6.2	-40.3	124.8	17.2	Valve Adjustment:Opened valve 10% or less,Valve 25% open
OXEW2108	11/17/2021 10:41	55.3	43.0	0.0	1.7	-7.3	-7.3	-40.4	125.7	20.5	Valve Adjustment:No Change,Valve 25% open
OXEW2108	11/30/2021 10:50	55.1	39.1	0.0	5.8	-11.1	-14.3	-41.8	124.5	19.2	Valve Adjustment:Opened valve 1/2 turn to 1 turn,Valve 40% open
OXEW2108	11/30/2021 10:52	55.3	39.7	0.0	5.0	-16.4	-22.4	-42.6	127.1	38.6	Valve Adjustment:Opened valve 1/2 turn to 1 turn,Valve 60% open
OXEW2108	11/30/2021 14:04	54.7	41.1	0.0	4.2	-32.6	-22.7	-40.4	127.0	41.9	Valve Adjustment:Opened valve >1 turn,Valve 25% open
OXEW2109	11/4/2021 13:16	56.9	41.4	0.0	1.7	-0.7	-1.2	-40.7	77.6	1.7	Valve Adjustment:Opened valve 1/2 turn or less,Valve 5% open
OXEW2109	11/18/2021 9:59	53.3	41.6	0.0	5.1	-12.5	-12.5	-41.6	74.9	2.5	Valve Adjustment:No Change,Valve at minimum position
OXEW2110	11/3/2021 11:40	59.1	40.6	0.0	0.3	-20.6	-20.6	-21.6	104.6	24.9	Valve Adjustment:No Change,Valve 100% open
OXEW2110	11/8/2021 12:26	59.4	38.7	0.2	1.7	-25.5	-25.6	-26.7	105.1	28.4	Valve Adjustment:No Change,Valve 100% open
OXEW2110	11/22/2021 12:07	58.3	39.4	0.0	2.3	-26.4	-26.4	-27.9	106.8	29.4	Valve Adjustment:No Change,Valve 100% open
OXEW2111	11/3/2021 13:26	57.5	38.4	0.0	4.1	-3.1	-3.2	-39.7	100.9	79.9	Valve Adjustment:Opened valve 1/2 turn or less,Valve 55% open
OXEW2111	11/18/2021 12:30	55.5	40.7	0.0	3.8	-4.1	-4.5	-44.0	100.4	85.3	Valve Adjustment:Opened valve >10% ,Valve 55% open
OXEW2112	11/3/2021 13:33	59.1	40.1	0.0	0.8	1.3	0.8	-0.6	100.9	30.5	Valve Adjustment:NSPS/CAI,Valve 100% open,Opened valve 1/2 turn to 1 turn
OXEW2112	11/3/2021 13:38	59.2	39.9	0.0	0.9	0.6	0.7	0.8	101.4	22.4	Valve Adjustment:NSPS/CAI,Valve 100% open,Opened valve 1/2 turn or less
OXEW2112	11/5/2021 12:54	54.5	39.8	0.1	5.6	-26.2	-26.3	-42.4	99.4	11.3	Valve Adjustment:No Change,Valve 100% open
OXEW2112	11/23/2021 11:34	55.3	40.1	0.0	4.6	-18.5	-18.6	-26.5	98.7	7.4	Valve Adjustment:No Change,Valve 100% open
OXEW2113	11/3/2021 12:41	56.1	40.4	0.0	3.5	-18.5	-18.9	-32.8	121.0	42.6	Valve Adjustment:Opened valve 1/2 turn or less,Valve 50% open

OXEW2113	11/22/2021 12:54	52.9	38.8	0.0	8.3	-23.1	-23.2	-41.8	120.9	48.5	Valve Adjustment:No Change,Valve 50% open
OXEWHC6A	11/4/2021 12:32	52.6	41.5	0.0	5.9	-0.4	-0.4	-40.8	70.9	1.8	Valve Adjustment:No Change,Valve at minimum position
OXEWHC6A	11/17/2021 11:20	48.5	42.7	0.0	8.8	-0.3	-0.3	-40.5	66.2	1.6	Valve Adjustment:No Change,Valve at minimum position
OXHC1922	11/3/2021 12:36	58.7	40.1	0.0	1.2	-0.3	-0.3	-29.5	86.3	12.8	Valve Adjustment:Opened valve 1/2 turn or less,Valve 35% open
OXHC1922	11/22/2021 12:57	50.7	37.9	1.3	10.1	-0.5	-0.5	-36.7	74.2	16.1	Valve Adjustment:No Change,Valve 35% open
OXHC2000	11/8/2021 11:32	57.9	38.3	0.3	3.5	-10.0	-10.6	-39.6	68.7	66.2	Valve Adjustment:No Change,Valve 100% open
OXHC2000	11/23/2021 12:42	60.0	38.7	0.0	1.3	-38.1	-38.1	-38.2	82.1	36.1	Valve Adjustment:No Change,Valve 100% open
OXHC2001	11/8/2021 11:41	57.2	37.3	0.7	4.8	-9.5	-6.8	-48.6	70.6	43.4	Valve Adjustment:Opened valve 1/2 turn to 1 turn,Valve 75% open
OXHC2001	11/23/2021 12:36	56.3	41.5	0.5	1.7	-18.3	-18.4	-43.1	72.7	57.4	Valve Adjustment:No Change,Valve 75% open
OXHC2013	11/9/2021 12:34	20.3	21.2	5.8	52.7	-3.7	-3.7	-38.9	65.1	14.1	Valve Adjustment:NSPS/CAI,Closed valve 1/2 turn to 1 turn,Valve 10% open
OXHC2013	11/9/2021 12:36	20.2	21.0	5.9	52.9	-3.6	-3.6	-39.3	64.9	12.2	Valve Adjustment:NSPS/CAI,Closed valve 1/2 turn or less,Valve 5% open
OXHC2013	11/18/2021 12:51	37.6	33.5	2.8	26.1	-1.4	-1.3	-40.4	72.5	8.6	Valve Adjustment:Valve at minimum position,Closed valve >10%
OXHC2013	11/18/2021 12:52	37.8	31.6	2.5	28.1	-1.3	-1.3	-40.1	72.9	3.7	Valve Adjustment:No Change,Valve at minimum position
OXHC2014	11/3/2021 13:30	58.8	39.4	0.0	1.8	-0.2	-0.2	-0.6	78.0	0.8	Valve Adjustment:No Change,Valve 100% open
OXHC2014	11/5/2021 12:52	39.1	33.3	1.7	25.9	-11.8	-6.9	-36.0	78.7	5.3	Valve Adjustment:Closed valve >1 turn,Valve 60% open
OXHC2014	11/18/2021 12:23	40.9	35.8	1.3	22.0	-2.8	-2.3	-34.1	78.8	35.4	Valve Adjustment:Closed valve >10%,Valve 30% open
OXHC2014	11/18/2021 12:25	47.3	37.5	1.0	14.2	-2.2	-2.1	-39.6	79.5	16.7	Valve Adjustment:No Change,Valve 30% open
OXHC2015	11/4/2021 13:42	56.2	38.5	0.0	5.3	-5.4	-5.4	-42.3	81.4	38.1	Valve Adjustment:Opened valve 1/2 turn or less,Valve 40% open
OXHC2015	11/23/2021 12:00	54.9	37.4	0.0	7.7	-1.2	-1.4	-46.2	82.6	48.5	Valve Adjustment:Opened valve 1/2 turn or less,Valve 40% open
OXLCR4A1	11/4/2021 13:48	55.4	38.2	0.1	6.3	-19.3	-28.1	-44.1	69.2	14.8	Valve Adjustment:Opened valve 1/2 turn or less,Valve 55% open
OXLCR4A1	11/23/2021 12:07	52.4	36.8	0.2	10.6	-39.7	-37.7	-44.2	69.6	41.9	Valve Adjustment:No Change,Valve 55% open
OXLCR4B1	11/4/2021 13:45	50.8	35.8	1.9	11.5	-2.7	-2.6	-43.2	79.4	11.8	Valve Adjustment:Closed valve 1/2 turn or less,Valve 5% open
OXLCR4B1	11/23/2021 12:04	43.6	33.7	1.4	21.3	-1.7	-1.2	-44.5	78.5	4.5	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less
OXLCRS07	11/8/2021 11:22	60.0	40.0	0.0	0.0	-13.9	-13.7	-41.4	83.6	129.6	Valve Adjustment:No Change,Valve 100% open
OXLCRS07	11/22/2021 13:40	56.5	37.6	0.7	5.2	-20.4	-20.6	-39.6	84.1	109.2	Valve Adjustment:No Change,Valve 100% open
OXLCRS10	11/10/2021 11:39	32.5	21.1	9.2	37.2	-3.5	-3.5	-27.8	80.1	0.9	Valve Adjustment:No Change
OXLCRS10	11/10/2021 11:46	33.6	22.0	8.9	35.5	-3.6	-3.6	-27.8	81.2	0.6	Valve Adjustment:NSPS/CAI,Opened valve 1/2 turn or less,Valve 5% open
OXLCRS10	11/10/2021 12:26	59.7	39.2	0.1	1.0	-3.7	-3.9	-27.3	82.8	6.7	Valve Adjustment:Opened valve 1/2 turn or less,Valve 15% open
OXLCRS10	11/11/2021 10:28	57.4	42.5	0.1	0.0	-3.6	-3.8	-26.4	80.4	17.1	Valve Adjustment:Opened valve 1/2 turn or less,Valve 25% open
OXLCRS10	11/22/2021 13:26	57.4	38.7	0.5	3.4	-9.8	-9.9	-37.9	81.8	38.8	Valve Adjustment:Valve 100% open,Opened valve >1 turn
OXLCRS11	11/10/2021 11:47	56.6	36.8	0.2	6.4	0.2	0.2	-26.9	77.8	0.7	Valve Adjustment:No Change,Valve at minimum position
OXLCRS11	11/10/2021 11:49	58.5	38.5	0.2	2.8	0.2	0.1	-26.8	78.4	0.6	Valve Adjustment:Opened valve 1/2 turn or less,Valve 10% open
OXLCRS11	11/10/2021 12:28	58.8	39.5	0.1	1.6	0.1	-0.1	-27.7	77.0	14.4	Valve Adjustment:NSPS/CAI,Opened valve 1/2 turn or less,Valve 30% open
OXLCRS11	11/10/2021 12:32	58.4	39.8	0.1	1.7	-0.1	-0.1	-27.0	77.1	28.6	
OXLCRS11	11/11/2021 10:34	58.5	41.5	0.0	0.0	-0.2	-0.3	-27.1	79.9	29.7	Valve Adjustment:Opened valve 1/2 turn or less,Valve 40% open

OXLCRS11	11/22/2021 13:28	57.2	39.2	0.1	3.5	-0.6	-0.6	-40.5	81.8	45.3	Valve Adjustment:Valve 100% open,Opened valve >1 turn
OXLCRS3A	11/8/2021 10:49	57.9	42.1	0.0	0.0	-31.8	-32.4	-37.1	92.8	107.2	Valve Adjustment:No Change,Valve 100% open
OXLCRS3A	11/18/2021 15:34	57.4	41.1	0.0	1.5	-32.3	-32.1	-44.6	91.4	121.4	Valve Adjustment:No Change,Valve 100% open
OXLCRS3B	11/8/2021 10:47	57.8	42.1	0.0	0.1	-31.6	-31.4	-37.0	93.2	123.8	Valve Adjustment:No Change,Valve 100% open
OXLCRS3B	11/18/2021 15:36	57.0	41.5	0.0	1.5	-34.0	-32.9	-45.7	91.8	127.3	Valve Adjustment:No Change,Valve 100% open
OXLCRS7B	11/8/2021 11:29	57.8	36.7	0.5	5.0	-14.8	-14.7	-34.9	84.0	96.3	Valve Adjustment:No Change,Valve 100% open
OXLCRS7B	11/22/2021 13:41	56.8	37.3	0.6	5.3	-20.8	-20.8	-37.4	84.0	101.3	Valve Adjustment:No Change,Valve 100% open
OXLCRS9A	11/10/2021 11:14	0.1	0.2	20.5	79.2	-1.2	-1.2	-22.1	72.3	0.6	
OXLCRS9A	11/10/2021 11:15	0.0	0.1	20.5	79.4	-1.2	-1.5	-17.8	74.5	0.8	Valve Adjustment:NSPS/CAI,Opened valve 1/2 turn or less,Valve 5% open
OXLCRS9A	11/10/2021 12:09	37.1	39.5	3.9	19.5	-4.3	-4.2	-11.3	70.2	8.2	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less
OXLCRS9A	11/11/2021 10:09	31.8	39.5	6.1	22.6	-3.8	-3.7	-15.2	69.1	8.4	Valve Adjustment:NSPS/CAI,Valve at minimum position,Closed valve 1/2 turn or less
OXLCRS9A	11/11/2021 10:12	31.7	40.8	6.1	21.4	-3.6	-3.6	-12.0	68.6	4.7	Valve Adjustment:NSPS/CAI,Valve at minimum position,Closed valve 1/2 turn or less
OXLCRS9A	11/18/2021 12:13	46.6	50.4	0.0	3.0	-6.7	-6.7	-33.3	66.4	1.6	Valve Adjustment:No Change,Valve at minimum position
OXLCRS9A	11/24/2021 8:52	27.9	34.5	7.4	30.2	-5.1	-5.0	-18.0	51.2	0.4	Valve Adjustment:NSPS/CAI,Valve at minimum position,Closed valve 1/2 turn or less
OXLCRS9A	11/24/2021 8:54	32.4	38.7	4.9	24.0	-5.0	-5.0	-18.5	51.1	1.9	Valve Adjustment:No Change,Valve at minimum position
OXLCRS9B	11/10/2021 11:19	2.1	1.6	19.6	76.7	-2.5	-2.5	-15.2	71.7	0.7	Valve Adjustment:No Change
OXLCRS9B	11/10/2021 11:20	2.2	1.5	19.6	76.7	-2.5	-2.8	-22.7	72.4	0.5	Valve Adjustment:NSPS/CAI,Opened valve 1/2 turn or less,Valve 5% open
OXLCRS9B	11/10/2021 12:12	47.2	46.5	0.2	6.1	-4.1	-4.0	-17.3	68.9	7.6	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less
OXLCRS9B	11/11/2021 10:26	47.8	49.2	0.4	2.6	-3.3	-3.1	-16.0	67.8	7.4	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less
OXLCRS9B	11/18/2021 12:16	42.1	50.6	2.4	4.9	-6.5	-6.5	-34.1	67.1	2.8	Valve Adjustment:No Change,Valve at minimum position
OXLCRS9B	11/24/2021 8:59	48.0	52.0	0.0	0.0	-5.0	-5.0	-19.4	54.3	0.7	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less
OXME302D	11/5/2021 15:52	56.0	39.5	1.3	3.2	-20.1	-20.2	-38.8	119.7	23.7	Valve Adjustment:Opened valve 1/2 turn or less
OXME302D	11/22/2021 12:39	30.8	21.1	10.1	38.0	-22.2	-21.3	-39.2	120.3	25.1	Valve Adjustment:NSPS/CAI,Closed valve 1/2 turn or less
OXME302D	11/22/2021 12:41	33.2	23.1	9.6	34.1	-20.6	-16.8	-39.3	120.0	28.1	Valve Adjustment:NSPS/CAI,Closed valve 1/2 turn or less
OXME306D	11/5/2021 13:47	58.2	41.7	0.1	0.0	-37.0	-37.3	-38.4	127.0	16.3	Valve Adjustment:No Change,Valve 100% open
OXME306D	11/19/2021 13:52	58.7	40.4	0.2	0.7	-37.2	-37.4	-38.1	126.0	15.9	Valve Adjustment:No Change,Valve 100% open
OXME312D	11/9/2021 11:38	57.3	40.1	0.0	2.6	-3.7	-3.7	-38.1	118.0	15.5	Valve Adjustment:Opened valve 1/2 turn or less
OXME312D	11/19/2021 10:40	50.8	40.6	0.0	8.6	-4.3	-4.3	-38.0	119.7	15.3	Valve Adjustment:No Change
OXME316D	11/3/2021 14:20	58.8	39.0	0.3	1.9	-27.0	-27.0	-31.0	126.5	34.0	Valve Adjustment:Opened valve 1/2 turn or less,Valve 65% open
OXME316D	11/19/2021 9:53	58.4	40.3	0.2	1.1	-31.1	-31.0	-35.9	126.6	35.3	Valve Adjustment:No Change,Valve 60% open
OXME317D	11/3/2021 14:34	58.9	40.8	0.1	0.2	-33.0	-33.0	-32.9	82.7	9.0	Valve Adjustment:No Change,Valve 100% open
OXME317D	11/19/2021 9:58	58.4	41.3	0.0	0.3	-36.6	-36.6	-36.9	75.3	1.5	Valve Adjustment:No Change,Valve 100% open
OXMEW113	11/9/2021 9:15	57.5	42.4	0.1	0.0	-13.5	-14.8	-39.0	74.2	40.5	Valve Adjustment:Opened valve 1/2 turn or less
OXMEW113	11/23/2021 10:09	56.8	42.1	0.0	1.1	-14.7	-16.1	-39.0	74.3	57.8	Valve Adjustment:Opened valve 1/2 turn or less
OXMEW122	11/8/2021 9:49	57.8	40.7	0.0	1.5	-39.0	-39.0	-39.4	69.7	9.0	Valve Adjustment:No Change,Valve 100% open

OXMEW122	11/19/2021 13:12	57.9	39.9	0.4	1.8	-39.3	-39.1	-39.2	65.2	5.9	Valve Adjustment:No Change,Valve 100% open
OXMEW126	11/9/2021 9:50	58.5	41.3	0.2	0.0	-36.9	-37.3	-37.3	63.3	14.3	Valve Adjustment:No Change,Valve 100% open
OXMEW126	11/18/2021 11:45	58.1	41.0	0.0	0.9	-37.5	-37.5	-36.8	65.8	7.7	Valve Adjustment:No Change,Valve 100% open
OXMEW138	11/8/2021 10:41	52.4	39.6	0.0	8.0	-2.2	-2.3	-36.9	76.8	6.9	Valve Adjustment:No Change,Valve 5% open
OXMEW138	11/18/2021 15:25	54.4	35.5	0.0	10.1	-2.4	-3.5	-45.5	75.6	7.4	Valve Adjustment:Opened valve 10% or less,Valve 5% open
OXMEW138	11/18/2021 15:27	53.6	37.4	0.0	9.0	-3.4	-3.5	-42.8	75.9	8.0	Valve Adjustment:No Change,Valve 5% open
OXMEW145	11/9/2021 9:35	55.0	40.3	0.2	4.5	-25.8	-26.3	-39.7	98.3	23.0	Valve Adjustment:Opened valve 1/2 turn or less,Valve 45% open
OXMEW145	11/23/2021 9:54	54.8	40.2	0.1	4.9	-26.4	-26.5	-39.8	99.7	22.3	Valve Adjustment:Opened valve 1/2 turn or less,Valve 45% open
OXMEW156	11/4/2021 12:30	57.8	40.8	0.1	1.3	-14.5	-14.8	-40.3	66.9	4.0	Valve Adjustment:Opened valve 1/2 turn or less,Valve 5% open
OXMEW156	11/17/2021 11:22	55.2	43.4	0.0	1.4	-15.9	-15.9	-40.5	63.3	4.6	Valve Adjustment:No Change,Valve at minimum position
OXMEW158	11/9/2021 10:00	52.7	42.6	0.0	4.7	-7.1	-7.1	-39.4	60.9	0.0	Valve Adjustment:No Change,Valve at minimum position
OXMEW158	11/18/2021 11:54	50.8	43.5	0.0	5.7	-9.2	-9.1	-38.3	69.6	0.8	Valve Adjustment:No Change,Valve at minimum position
OXMEW159	11/9/2021 9:56	50.7	41.0	0.1	8.2	-23.3	-22.9	-39.1	69.0	0.0	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less
OXMEW159	11/18/2021 11:51	49.4	42.0	0.0	8.6	-23.1	-23.1	-38.4	71.0	5.3	Valve Adjustment:No Change,Valve at minimum position
OXMEW162	11/8/2021 10:12	54.1	29.9	3.6	12.4	-38.8	-38.8	-39.1	73.1	0.0	Valve Adjustment:No Change
OXMEW162	11/23/2021 11:11	43.5	25.9	7.5	23.1	-39.0	-38.5	-39.4	72.5	0.0	Valve Adjustment:NSPS/CAI,Closed valve 1/2 turn to 1 turn
OXMEW162	11/23/2021 11:14	44.3	25.7	7.1	22.9	-35.4	-35.4	-39.5	73.5	0.0	Valve Adjustment:NSPS/CAI,Closed valve 1/2 turn or less
OXMEW170	11/4/2021 10:50	64.2	34.1	0.0	1.7	7.2	-1.5	-39.3	70.4	0.4	Valve Adjustment:NSPS/CAI,Valve at minimum position,Opened valve 1/2 turn or less
OXMEW170	11/4/2021 10:54	64.2	34.0	0.0	1.8	-11.7	-11.8	-39.3	68.6	3.1	Valve Adjustment:No Change,Valve at minimum position
OXMEW170	11/17/2021 13:01	54.3	33.4	0.3	12.0	-38.4	-38.3	-38.6	73.5	0.3	Valve Adjustment:No Change,Valve at minimum position
OXMEW173	11/4/2021 12:17	53.0	38.1	0.0	8.9	-2.2	-2.2	-41.2	97.1	7.7	Valve Adjustment:No Change
OXMEW173	11/17/2021 11:31	51.6	38.7	0.0	9.7	-1.8	-1.8	-39.7	99.9	12.5	Valve Adjustment:No Change
OXMEW174	11/4/2021 12:24	58.0	40.3	0.0	1.7	0.2	-0.1	-40.7	70.5	1.7	Valve Adjustment:NSPS/CAI,Valve at minimum position,Opened valve 1/2 turn or less
OXMEW174	11/4/2021 12:27	58.2	40.8	0.0	1.0	-0.2	-0.2	-40.8	72.7	1.6	Valve Adjustment:No Change,Valve at minimum position
OXMEW174	11/17/2021 11:25	55.2	42.7	0.2	1.9	-0.1	-0.1	-40.7	67.6	2.5	Valve Adjustment:No Change,Valve at minimum position
OXMEW175	11/4/2021 12:36	58.7	40.6	0.0	0.7	-0.6	-0.6	-40.8	72.7	2.7	Valve Adjustment:Valve at minimum position,Opened valve 1/2 turn or less
OXMEW175	11/17/2021 11:18	56.6	42.2	0.0	1.2	-0.8	-0.8	-40.6	66.7	2.5	Valve Adjustment:No Change,Valve at minimum position
OXMEW176	11/9/2021 13:54	55.1	39.2	0.0	5.7	-10.6	-11.2	-39.8	111.1	28.6	Valve Adjustment:Opened valve 1/2 turn or less
OXMEW176	11/23/2021 12:18	50.9	37.3	0.0	11.8	-12.1	-12.1	-40.5	111.9	32.3	Valve Adjustment:No Change
OXMEW181	11/9/2021 10:32	57.5	42.5	0.0	0.0	-5.8	-6.1	-40.3	114.5	0.0	Valve Adjustment:Opened valve 1/2 turn or less
OXMEW181	11/23/2021 10:44	57.5	42.5	0.0	0.0	-5.9	-6.5	-40.4	115.4	0.0	Valve Adjustment:Opened valve 1/2 turn or less
OXMEW182	11/1/2021 12:37	57.1	39.5	0.0	3.4	-30.4	-30.4	-34.2	120.6	17.5	Valve Adjustment:No Change,Valve 100% open
OXMEW182	11/19/2021 10:11	55.1	40.9	0.0	4.0	-33.2	-33.2	-37.3	121.6	4.6	Valve Adjustment:No Change,Valve 100% open
OXMEW183	11/9/2021 10:49	50.4	40.1	0.0	9.5	-6.1	-6.1	-38.6	117.3	45.1	Valve Adjustment:No Change
OXMEW183	11/23/2021 10:29	51.4	40.6	0.0	8.0	-5.8	-5.7	-37.9	117.7	45.8	Valve Adjustment:No Change

OXMEW184	11/5/2021 14:29	54.4	40.8	0.0	4.8	-0.3	-0.3	-37.4	119.9	37.6	Valve Adjustment:Opened valve 1/2 turn or less
OXMEW184	11/19/2021 14:41	54.2	39.2	0.0	6.6	-0.2	-0.1	-36.8	119.4	13.1	Valve Adjustment:No Change
OXMEW185	11/5/2021 14:33	51.2	40.4	0.0	8.4	-0.8	-0.8	-37.9	118.7	12.7	Valve Adjustment:No Change
OXMEW185	11/23/2021 9:45	50.3	39.6	0.1	10.0	-1.1	-1.1	-39.6	118.8	23.2	Valve Adjustment:No Change
OXMEW186	11/9/2021 11:50	29.0	24.3	7.9	38.8	-0.7	-0.6	-38.3	87.4	1.4	Valve Adjustment:NSPS/CAI,Closed valve 1/2 turn to 1 turn,Valve 5% open
OXMEW186	11/9/2021 12:02	29.6	24.7	7.4	38.3	-0.6	-0.5	-38.8	86.6	1.8	Valve Adjustment:NSPS/CAI,Closed valve 1/2 turn or less,Valve 5% open
OXMEW186	11/18/2021 13:17	50.6	41.2	0.2	8.0	-0.2	-0.2	-39.0	109.8	2.6	Valve Adjustment:No Change,Valve 5% open
OXMEW187	11/5/2021 14:57	54.1	43.1	0.0	2.8	-0.1	-0.1	-37.6	117.0	19.5	Valve Adjustment:No Change
OXMEW187	11/22/2021 13:09	51.6	40.8	0.1	7.5	-0.1	-0.1	-38.5	117.5	17.8	Valve Adjustment:No Change
OXMEW188	11/5/2021 14:46	54.3	42.4	0.0	3.3	-0.7	-0.7	-38.0	116.4	13.3	Valve Adjustment:Opened valve 1/2 turn or less
OXMEW188	11/19/2021 14:52	53.3	40.9	0.0	5.8	-0.9	-0.9	-37.6	115.6	12.8	Valve Adjustment:No Change
OXMEW189	11/5/2021 15:11	56.9	42.9	0.2	0.0	-0.8	-0.8	-38.1	121.3	30.3	Valve Adjustment:Opened valve 1/2 turn or less
OXMEW189	11/19/2021 14:57	57.8	41.2	0.3	0.7	-2.2	-2.8	-37.5	120.6	70.6	Valve Adjustment:Opened valve 1/2 turn or less
OXMEW190	11/9/2021 11:45	55.2	40.2	0.3	4.3	-10.3	-10.4	-38.0	125.0	27.7	Valve Adjustment:Opened valve 1/2 turn or less,Valve 40% open
OXMEW190	11/19/2021 10:43	53.0	40.3	0.1	6.6	-11.2	-11.2	-38.6	126.2	29.1	Valve Adjustment:No Change,Valve 35% open
OXMEW191	11/4/2021 12:05	53.4	40.5	0.0	6.1	-3.8	-3.8	-41.4	126.6	16.8	Valve Adjustment:No Change
OXMEW191	11/17/2021 10:15	53.7	41.8	0.0	4.5	-3.7	-3.7	-41.1	127.5	20.0	Valve Adjustment:No Change,Valve 10% open
OXMEW191	11/30/2021 13:02	51.6	38.8	0.0	9.6	-2.9	-4.5	-39.6	127.4	17.4	Valve Adjustment:Opened valve 1/2 turn to 1 turn
OXMEW191	11/30/2021 13:03	51.6	39.1	0.0	9.3	-5.2	-8.1	-39.9	128.4	36.5	Valve Adjustment:Opened valve 1/2 turn to 1 turn
OXMEW191	11/30/2021 16:38	49.9	39.1	0.0	11.0	-21.4	-17.6	-42.2	128.0	46.7	Valve Adjustment:Closed valve >1 turn
OXMEW192	11/4/2021 11:34	53.1	38.1	0.1	8.7	-4.0	-4.0	-42.0	66.7	0.0	Valve Adjustment:No Change
OXMEW192	11/17/2021 10:55	53.1	40.5	0.0	6.4	-4.0	-4.0	-41.5	66.6	4.3	Valve Adjustment:No Change
OXMEW194	11/9/2021 10:44	53.1	40.7	0.3	5.9	-26.7	-26.7	-38.8	83.4	7.7	Valve Adjustment:No Change
OXMEW194	11/23/2021 10:52	53.0	40.2	0.3	6.5	-26.6	-26.7	-39.0	85.6	9.0	Valve Adjustment:No Change
OXMEW196	11/9/2021 10:55	55.9	40.1	0.0	4.0	-8.4	-8.5	-38.8	92.1	5.6	Valve Adjustment:Opened valve 1/2 turn or less
OXMEW196	11/19/2021 10:22	53.4	40.0	0.0	6.6	-8.6	-8.6	-37.5	101.5	9.5	Valve Adjustment:No Change,Valve 15% open
OXMEW199	11/9/2021 10:59	55.9	40.9	0.0	3.2	-3.9	-3.9	-38.6	119.9	17.0	Valve Adjustment:Opened valve 1/2 turn or less
OXMEW199	11/19/2021 10:25	53.1	39.3	0.0	7.6	-4.3	-4.3	-37.7	121.5	26.2	Valve Adjustment:No Change
OXMEW200	11/5/2021 14:52	56.4	42.8	0.0	0.8	-0.3	-0.3	-37.4	117.9	33.9	Valve Adjustment:Opened valve 1/2 turn or less
OXMEW200	11/22/2021 13:13	56.4	41.4	0.1	2.1	0.1	-0.1	-39.0	117.2	0.0	Valve Adjustment:NSPS/CAI,Opened valve 1/2 turn or less
OXMEW200	11/22/2021 13:20	56.7	41.2	0.1	2.0	-0.4	-0.4	-38.9	120.6	18.7	Valve Adjustment:No Change
OXMEW201	11/5/2021 14:37	51.6	40.5	0.0	7.9	-0.2	-0.2	-37.5	99.2	32.7	Valve Adjustment:No Change
OXMEW201	11/19/2021 14:44	53.7	39.3	0.0	7.0	-0.1	-0.1	-37.9	96.9	10.6	Valve Adjustment:No Change
OXMEW203	11/5/2021 14:23	51.1	35.0	1.3	12.6	-3.9	-3.9	-38.4	75.6	5.0	Valve Adjustment:No Change,Valve 5% open
OXMEW203	11/19/2021 14:35	57.9	35.5	0.3	6.3	-2.1	-2.3	-37.9	64.5	2.5	Valve Adjustment:Opened valve 1/2 turn or less,Valve 5% open

OXMEW204	11/5/2021 14:18	56.5	43.2	0.0	0.3	-3.1	-3.1	-37.7	101.8	5.1	Valve Adjustment:Opened valve 1/2 turn or less,Valve 10% open
OXMEW204	11/19/2021 14:32	56.8	40.6	0.0	2.6	-3.1	-3.2	-35.9	100.6	4.4	Valve Adjustment:Opened valve 1/2 turn or less,Valve 10% open
OXMEW205	11/5/2021 15:04	54.4	43.0	0.0	2.6	-0.3	-0.3	-38.5	123.8	0.0	Valve Adjustment:Opened valve 1/2 turn or less
OXMEW205	11/22/2021 13:04	48.3	40.1	0.1	11.5	-0.3	-0.3	-38.4	123.9	0.0	Valve Adjustment:Closed valve 1/2 turn or less,Valve 15% open
OXMEW209	11/5/2021 15:31	50.5	39.0	2.4	8.1	1.1	-0.1	-38.5	120.2	10.4	Valve Adjustment:NSPS/CAI,Opened valve 1/2 turn or less,Valve 35% open
OXMEW209	11/5/2021 15:33	53.9	40.9	0.9	4.3	-0.4	-0.4	-38.2	126.6	18.4	Valve Adjustment:No Change,Valve 35% open
OXMEW209	11/22/2021 12:54	57.8	41.1	0.1	1.0	-6.1	-6.1	-38.5	130.3	18.6	Valve Adjustment:Opened valve 1/2 turn or less,Valve 35% open
OXMEW210	11/5/2021 13:38	53.9	37.9	0.5	7.7	-31.6	-31.6	-38.0	125.4	42.4	Valve Adjustment:Opened valve 1/2 turn or less,Valve 75% open
OXMEW210	11/19/2021 13:48	52.6	36.9	0.4	10.1	-31.5	-31.7	-37.0	125.1	39.0	Valve Adjustment:No Change,Valve 75% open
OXMEW300	11/5/2021 15:59	59.6	39.3	0.1	1.0	-36.8	-36.7	-38.5	105.4	17.8	Valve Adjustment:No Change,Valve 100% open
OXMEW300	11/22/2021 12:33	60.7	37.6	0.1	1.6	-36.9	-37.1	-38.2	105.8	16.9	Valve Adjustment:No Change,Valve 100% open
OXMEW302	11/5/2021 15:48	51.4	39.8	0.0	8.8	-2.8	-2.8	-38.2	105.0	20.5	Valve Adjustment:No Change
OXMEW302	11/22/2021 12:48	51.6	37.0	0.1	11.3	-2.7	-2.7	-39.0	105.9	6.9	Valve Adjustment:No Change
OXMEW303	11/5/2021 13:35	59.1	24.2	3.9	12.8	-38.4	-38.4	-38.7	70.5	0.0	Valve Adjustment:No Change
OXMEW303	11/19/2021 13:44	65.4	22.6	2.7	9.3	-38.5	-38.5	-38.5	57.0	7.6	Valve Adjustment:No Change,Valve 100% open
OXMEW306	11/5/2021 13:41	58.2	40.9	0.0	0.9	-0.8	-0.8	-38.3	110.4	7.8	Valve Adjustment:Opened valve 1/2 turn or less
OXMEW306	11/19/2021 13:56	43.6	36.8	0.0	19.6	-1.4	-1.4	-38.3	109.8	29.6	Valve Adjustment:Closed valve 1/2 turn or less
OXMEW307	11/9/2021 9:32	59.0	40.7	0.3	0.0	-39.4	-39.4	-39.9	94.0	5.9	Valve Adjustment:No Change,Valve 100% open
OXMEW307	11/23/2021 9:58	59.2	40.7	0.1	0.0	-39.2	-39.1	-39.3	92.1	2.5	Valve Adjustment:No Change,Valve 100% open
OXMEW309	11/5/2021 15:42	53.1	40.2	0.1	6.6	-21.2	-21.2	-37.0	126.1	46.6	Valve Adjustment:No Change
OXMEW309	11/22/2021 12:50	52.7	37.3	0.2	9.8	-22.8	-22.9	-37.8	126.6	46.3	Valve Adjustment:No Change
OXMEW310	11/1/2021 12:24	57.4	40.3	0.0	2.3	-11.8	-12.8	-33.9	115.7	225.1	Valve Adjustment:Opened valve 1/2 turn or less
OXMEW310	11/19/2021 10:19	53.4	39.9	0.0	6.7	-14.6	-14.6	-37.6	116.6	249.0	Valve Adjustment:No Change
OXMEW311	11/5/2021 13:58	54.4	40.2	0.0	5.4	-14.5	-14.5	-38.3	120.5	25.0	Valve Adjustment:Opened valve 1/2 turn or less
OXMEW311	11/19/2021 14:07	52.5	38.7	0.1	8.7	-15.5	-15.5	-38.5	120.2	24.8	Valve Adjustment:No Change
OXMEW312	11/9/2021 11:28	57.5	41.0	0.0	1.5	-2.6	-2.7	-38.2	98.0	29.8	Valve Adjustment:Opened valve 1/2 turn or less
OXMEW312	11/19/2021 10:38	56.0	42.1	0.0	1.9	-2.6	-2.6	-37.9	94.7	11.5	Valve Adjustment:No Change,Valve 10% open
OXMEW315	11/8/2021 13:13	59.2	39.0	0.3	1.5	-36.1	-36.1	-37.2	120.9	22.7	Valve Adjustment:No Change,Valve 100% open
OXMEW315	11/19/2021 10:59	57.2	40.5	0.0	2.3	-36.0	-36.2	-37.3	121.2	24.7	Valve Adjustment:No Change,Valve 100% open
OXMEW316	11/3/2021 14:27	60.8	39.2	0.0	0.0	-31.3	-31.3	-32.5	111.0	10.0	Valve Adjustment:No Change,Valve 100% open
OXMEW316	11/19/2021 9:52	59.6	40.4	0.0	0.0	-35.2	-35.2	-36.2	109.6	9.7	Valve Adjustment:No Change
OXMEW317	11/3/2021 14:30	59.9	39.2	0.0	0.9	-33.0	-33.0	-32.9	107.4	18.6	Valve Adjustment:No Change,Valve 100% open
OXMEW317	11/19/2021 9:57	58.7	40.6	0.0	0.7	-36.7	-36.7	-37.1	107.2	18.4	Valve Adjustment:No Change,Valve 100% open
OXMEW318	11/3/2021 14:53	57.0	38.8	0.0	4.2	-0.9	-1.1	-33.9	111.5	9.0	Valve Adjustment:Opened valve 1/2 turn or less
OXMEW318	11/19/2021 10:07	53.7	39.2	0.0	7.1	-2.2	-2.3	-37.4	112.3	32.0	Valve Adjustment:No Change,Valve 10% open

OXMEW319	11/1/2021 12:33	57.4	39.4	0.0	3.2	-11.2	-11.4	-33.6	107.8	16.2	Valve Adjustment:Opened valve 1/2 turn or less
OXMEW319	11/19/2021 10:15	53.4	39.9	0.0	6.7	-13.6	-13.6	-36.6	109.6	17.8	Valve Adjustment:No Change
OXMEW320	11/8/2021 12:45	59.1	39.8	0.2	0.9	-37.8	-37.8	-37.9	124.4	10.6	Valve Adjustment:No Change,Valve 100% open
OXMEW320	11/19/2021 13:42	59.1	39.7	0.0	1.2	-37.1	-37.1	-37.1	124.0	9.6	Valve Adjustment:No Change,Valve 100% open
OXMEW322	11/3/2021 14:18	59.9	39.9	0.0	0.2	-34.6	-34.6	-35.2	119.5	23.3	Valve Adjustment:No Change,Valve 100% open
OXMEW322	11/19/2021 9:48	59.3	40.7	0.0	0.0	-37.9	-37.9	-38.4	119.2	20.4	Valve Adjustment:No Change,Valve 100% open
OXMEW323	11/1/2021 11:25	60.2	39.6	0.2	0.0	-33.8	-33.8	-33.8	114.2	21.4	Valve Adjustment:No Change,Valve 100% open
OXMEW323	11/19/2021 12:52	58.1	41.3	0.1	0.5	-36.2	-36.2	-35.9	115.0	33.5	Valve Adjustment:No Change,Valve 100% open
OXMEW328	11/3/2021 11:03	59.3	40.3	0.0	0.4	-20.7	-21.8	-27.7	122.0	16.0	Valve Adjustment:Opened valve 1/2 turn or less
OXMEW328	11/22/2021 12:26	57.4	40.5	0.0	2.1	-24.3	-24.6	-36.2	119.0	24.7	Valve Adjustment:No Change
OXMEWHC1	11/9/2021 9:45	55.1	42.1	0.4	2.4	-39.4	-39.3	-39.5	56.6	N/A	Valve Adjustment:No Change,Valve 100% open
OXMEWHC1	11/18/2021 11:42	53.9	40.7	0.3	5.1	-39.3	-39.1	-38.9	68.6	N/A	Valve Adjustment:No Change;Well Condition:No flow device
OXMEWW05	11/9/2021 13:43	56.3	41.1	0.1	2.5	-42.1	-42.1	-42.4	109.1	17.7	Valve Adjustment:No Change,Valve 100% open
OXMEWW05	11/18/2021 10:12	55.0	44.0	0.0	1.0	-41.8	-41.8	-41.5	110.3	14.6	Valve Adjustment:No Change
OXMEWW06	11/9/2021 13:50	55.6	42.4	0.1	1.9	-42.5	-42.4	-42.4	91.5	59.3	Valve Adjustment:No Change,Valve 100% open
OXMEWW06	11/18/2021 10:09	54.5	43.7	0.0	1.8	-42.9	-42.8	-42.4	95.9	7.1	Valve Adjustment:No Change
OXMEWW08	11/4/2021 11:53	56.6	41.9	0.1	1.4	-2.9	-2.9	-41.2	67.2	7.8	Valve Adjustment:Opened valve 1/2 turn or less,Valve 20% open
OXMEWW08	11/17/2021 10:46	53.4	42.1	0.0	4.5	-2.7	-2.7	-40.2	68.7	8.1	Valve Adjustment:No Change,Valve 15% open
OXMEWW15	11/9/2021 13:56	0.5	1.5	20.3	77.7	-6.1	-41.4	-41.6	60.4	0.0	Valve Adjustment:NSPS/CAI,Valve 100% open,Opened valve >1 turn
OXMEWW15	11/9/2021 13:58	28.8	20.5	8.7	42.0	-41.6	-32.9	-41.4	60.3	10.0	Valve Adjustment:NSPS/CAI,Valve at minimum position,Closed valve >1 turn
OXMEWW15	11/23/2021 12:20	1.1	2.3	20.3	76.3	-5.9	-42.4	-42.5	72.9	1.2	Valve Adjustment:NSPS/CAI,Opened valve >1 turn
OXMEWW15	11/23/2021 12:23	28.9	19.6	8.4	43.1	-42.9	-4.3	-42.6	76.6	14.2	Valve Adjustment:NSPS/CAI,Valve at minimum position,Closed valve >1 turn
OXMEWW17	11/9/2021 12:45	6.2	5.6	18.2	70.0	-17.5	-16.5	-36.9	58.8	5.0	Valve Adjustment:NSPS/CAI,Closed valve 1/2 turn or less
OXMEWW17	11/9/2021 12:50	7.1	6.0	18.1	68.8	-15.8	-15.7	-36.8	58.5	0.0	Valve Adjustment:NSPS/CAI,Valve at minimum position,Closed valve 1/2 turn or less
OXMEWW17	11/18/2021 12:43	51.7	40.7	0.9	6.7	-13.3	-13.0	-38.1	73.0	8.5	Valve Adjustment:No Change,Valve at minimum position
OXMEWW18	11/9/2021 12:31	58.2	39.4	0.2	2.2	-38.4	-38.5	-40.5	59.2	0.0	Valve Adjustment:No Change,Valve 100% open
OXMEWW18	11/22/2021 12:43	56.9	40.8	0.0	2.3	-38.1	-38.1	-39.0	66.8	7.4	Valve Adjustment:No Change
OXMEWW1G	11/9/2021 13:20	54.9	39.8	0.0	5.3	-11.8	-11.8	-40.2	76.4	6.7	Valve Adjustment:Opened valve 1/2 turn or less,Valve 5% open
OXMEWW1G	11/18/2021 10:28	52.7	41.5	0.0	5.8	-12.4	-12.4	-40.8	77.5	6.7	Valve Adjustment:No Change,Valve at minimum position
OXMEWW1I	11/9/2021 13:17	57.1	39.9	0.0	3.0	-16.2	-15.8	-40.8	76.3	4.7	Valve Adjustment:Opened valve 1/2 turn or less,Valve 5% open
OXMEWW1I	11/18/2021 10:31	52.6	41.1	0.0	6.3	-24.2	-24.2	-39.8	75.8	3.6	Valve Adjustment:No Change,Valve at minimum position
OXMEWW1J	11/9/2021 13:12	57.7	41.4	0.0	0.9	-9.8	-10.1	-40.8	78.2	7.4	Valve Adjustment:Opened valve 1/2 turn or less,Valve 5% open
OXMEWW1J	11/18/2021 10:34	55.6	42.2	0.0	2.2	-9.1	-9.0	-40.5	79.1	7.8	Valve Adjustment:No Change,Valve at minimum position
OXMEWW1K	11/9/2021 13:09	56.6	41.7	0.0	1.7	-11.2	-12.7	-42.6	71.7	9.2	Valve Adjustment:Opened valve 1/2 turn or less
OXMEWW1K	11/18/2021 10:37	55.5	43.5	0.0	1.0	-14.5	-14.5	-42.2	73.7	13.1	Valve Adjustment:No Change

OXMEWW1S	11/9/2021 13:02	58.4	40.2	0.1	1.3	-36.4	-36.3	-36.9	68.8	24.1	Valve Adjustment:No Change,Valve 100% open
OXMEWW1S	11/18/2021 10:46	56.5	42.4	0.0	1.1	-34.7	-34.7	-35.0	69.6	21.5	Valve Adjustment:No Change
OXMHCF03	11/1/2021 13:20	57.4	42.6	0.0	0.0	-40.1	-40.0	-41.1	63.7	24.7	Valve Adjustment:No Change,Valve 100% open
OXMHCF03	11/22/2021 11:19	57.6	42.3	0.1	0.0	-41.7	-41.9	-42.3	73.5	22.2	Valve Adjustment:No Change,Valve 100% open
OXMHCF04	11/1/2021 13:17	47.1	37.2	3.2	12.5	-41.4	-41.4	-41.3	58.6	10.0	Valve Adjustment:No Change
OXMHCF04	11/22/2021 11:24	41.2	32.2	3.9	22.7	-42.8	-42.8	-43.3	72.2	10.2	Valve Adjustment:Closed valve 1/2 turn or less
OXMPEW30	11/4/2021 13:27	55.4	39.5	1.0	4.1	-40.4	-40.5	-40.6	66.2	4.6	Valve Adjustment:No Change,Valve 10% open
OXMPEW30	11/18/2021 9:52	57.7	40.9	0.1	1.3	-41.8	-41.8	-41.9	59.4	0.2	Valve Adjustment:No Change,Valve 5% open
OXMPEW31	11/9/2021 13:30	56.9	40.9	0.1	2.1	-41.4	-41.4	-41.2	64.1	10.6	Valve Adjustment:No Change,Valve 100% open
OXMPEW31	11/18/2021 10:20	55.5	42.5	0.0	2.0	-41.9	-42.0	-42.1	63.9	1.2	Valve Adjustment:No Change,Valve 100% open
OXMPEW32	11/4/2021 12:41	58.2	39.5	0.0	2.3	-2.8	-3.1	-40.3	74.9	3.4	Valve Adjustment:Opened valve 1/2 turn or less,Valve 5% open
OXMPEW32	11/17/2021 11:13	56.0	41.8	0.0	2.2	-7.0	-7.0	-40.6	70.8	1.7	Valve Adjustment:No Change,Valve at minimum position
OXMPEW33	11/4/2021 12:48	59.4	39.4	0.0	1.2	-1.7	-1.8	-41.7	82.4	5.9	Valve Adjustment:Valve at minimum position,Opened valve 1/2 turn or less
OXMPEW33	11/17/2021 10:51	57.1	41.1	0.0	1.8	-1.9	-1.9	-41.1	81.2	6.1	Valve Adjustment:No Change,Valve at minimum position
OXMPEW35	11/4/2021 13:07	55.0	40.7	0.0	4.3	-10.6	-11.2	-40.8	125.9	14.4	Valve Adjustment:Opened valve 1/2 turn or less
OXMPEW35	11/18/2021 10:02	53.6	42.1	0.0	4.3	-13.7	-13.7	-40.4	126.0	20.0	Valve Adjustment:No Change
OXMPEW44	11/9/2021 12:58	57.4	41.6	0.4	0.6	-36.3	-36.7	-36.5	66.6	0.9	Valve Adjustment:Opened valve >1 turn,Valve 70% open
OXMPEW44	11/18/2021 10:44	55.8	42.5	0.0	1.7	-36.1	-36.1	-35.6	71.5	1.7	Valve Adjustment:No Change,Valve 70% open

Bold Italics = HOV/LTCO approval from BAAQMD

*Some flow readings not available due to low/no flow conditions recorded by GEM.

**Well OXEWHC6A is an NSPS exempt well.

NSPS/EG CAI = New Source Performance Standards Corrective Action Initiated

CH_4 = Methane

CO_2 = Carbon Dioxide

O_2 = Oxygen

BAL = Balance Gas, usually nitrogen

in. wk.. = inches of water column

Deg. F. = degrees in Fahrenheit

scfm = standard cubic feet per minute

% = percent

N/A = Not applicable

≤140 degrees F Temperature HOV per Title V Permit Condition Number 10164 part 18(b)(viii)
OXEW1618, OXMEW205, OXMEW209, OXMPEW35

≤15% Oxygen HOV per Title V Permit Condition Number 10164 part 18(b)(i)
OMTLTS01, OMTLTS02, OMTLTS03, OMTLTS04, OMTLTS05, OMTLTS06, OMTLTS07, OMTLTS08, OMTLTS09, OMTLTS10, OMTLTS11, OMTLTS12, OMTLTS15, OMTLTS16, OMTLTS17, OMTLTS18, OMTLTS19, OMTLTS20, ~~OXLCRS01~~, OXLCRS4A, OXLCRS4B, ~~OXLCRS05~~, ~~OXLCRS06~~, OXLCRS07, ~~OXMEWHC6~~, ~~OXMTBTC1,~~ OXMEWW17, and ~~OXMHCF06~~.

LTCO per Title V Permit Condition Number 10164 part 18(d)(i)
OMTLTS01, OMTLTS02, OMTLTS03, OMTLTS04, OMTLTS05, OMTLTS06, OMTLTS07, OMTLTS08, OMTLTS09, OMTLTS10, OMTLTS11, OMTLTS12, OMTLTS15, OMTLTS16, OMTLTS17, OMTLTS18, OMTLTS19, OMTLTS20, ~~OXLCRS01,~~ OXLCRS4A, OXLCRS4B, ~~OXLCRS05, OXLCRS06~~, and OXLCRS07.

*Wells that have been decommissioned are noted with a strikethrough.

OX MOUNTAIN LANDFILL
Wellfield Monitoring Report - December 1, 2, 3, 6, 7, 8, 9, 10, 13, 14, 16, 17, 20, 21, 22, 23, 27, and 28, 2021

Device ID	Date and Time	CH_4	CO_2	O_2	BAL	Initial Static Pressure	Adjusted Static Pressure	Lateral Pressure	Initial Temperature	Initial Flow*	Comments
		%	%	%	%	in. wk..	in. wk..	in. wk..	Deg. F.	scfm	
OMLEW101	12/9/2021 13:23	53.6	41.1	1.0	4.3	-0.6	-0.6	-35.9	69.9	6.9	Valve Adjustment:No Change,Valve 5% open
OMLEW101	12/17/2021 12:36	53.7	40.8	0.9	4.6	-0.4	-0.4	-36.3	67.5	6.8	Valve Adjustment:No Change,Valve at minimum position
OMLEW104	12/6/2021 12:13	50.2	41.5	0.0	8.3	-15.2	-15.2	-23.9	84.0	30.7	Valve Adjustment:No Change
OMLEW104	12/17/2021 13:38	49.2	44.2	0.0	6.6	-21.3	-19.4	-38.3	79.5	18.8	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less
OMLEW104	12/17/2021 13:40	49.8	43.0	0.0	7.2	-16.5	-16.4	-38.9	78.4	13.1	Valve Adjustment:No Change,Valve at minimum position
OMLEW107	12/6/2021 12:15	58.8	41.2	0.0	0.0	-24.5	-24.5	-23.9	68.4	7.3	Valve Adjustment:No Change
OMLEW107	12/17/2021 13:42	56.4	43.6	0.0	0.0	-38.7	-39.0	-38.7	60.4	8.7	Valve Adjustment:No Change
OMLFEW59	12/1/2021 12:05	50.6	38.1	0.0	11.3	-0.5	-0.5	-29.2	108.8	10.6	Valve Adjustment:No Change,Valve 15% open
OMLFEW59	12/22/2021 11:46	50.5	37.3	0.0	12.2	-0.6	-0.6	-30.3	104.7	10.5	Valve Adjustment:No Change,Valve 15% open
OMLFEW72	12/6/2021 12:05	50.7	40.1	0.0	9.2	-1.0	-1.1	-24.0	51.2	N/A	Valve Adjustment:No Change;Well Condition:No flow device
OMLFEW72	12/17/2021 13:29	47.2	40.9	0.0	11.9	-2.9	-2.8	-38.6	56.9	N/A	Valve Adjustment:No Change;Well Condition:No flow device
OMLFEW99	12/9/2021 12:16	46.0	37.7	0.1	16.2	-1.1	-1.0	-42.0	70.7	18.6	Valve Adjustment:Closed valve 1/2 turn or less,Valve 10% open
OMLFEW99	12/21/2021 12:36	47.2	38.8	0.0	14.0	-1.0	-1.0	-41.7	69.8	16.7	Valve Adjustment:No Change,Valve 10% open
OMTLTS01	12/6/2021 11:56	49.1	41.7	0.0	9.2	-0.1	-0.1	-24.1	66.8	2.8	Valve Adjustment:No Change,Valve at minimum position
OMTLTS01	12/17/2021 13:19	45.8	36.9	0.5	16.8	-1.0	-0.9	-38.5	63.3	2.1	Valve Adjustment:No Change,Valve at minimum position
OMTLTS02	12/6/2021 11:53	41.7	33.3	1.0	24.0	-0.2	-0.2	-24.4	70.5	2.1	Valve Adjustment:No Change,Valve at minimum position
OMTLTS02	12/17/2021 13:16	39.3	33.1	2.3	25.3	-0.2	-0.2	-38.1	69.3	2.3	Valve Adjustment:No Change,Valve at minimum position
OMTLTS03	12/6/2021 11:50	38.8	34.6	0.0	26.6	-0.1	-0.1	-24.4	65.9	3.4	Valve Adjustment:No Change,Valve at minimum position
OMTLTS03	12/17/2021 13:14	35.9	31.5	0.4	32.2	-0.2	-0.2	-38.7	66.4	4.2	Valve Adjustment:No Change,Valve at minimum position
OMTLTS04	12/3/2021 9:48	29.1	31.9	0.0	39.0	-0.2	-0.2	-39.2	72.8	3.8	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less
OMTLTS04	12/22/2021 11:58	29.0	30.8	0.0	40.2	-0.1	-0.1	-38.4	61.0	6.7	Valve Adjustment:No Change,Valve at minimum position
OMTLTS05	12/3/2021 9:51	17.3	21.3	6.2	55.2	-0.2	-0.2	-39.1	52.5	0.1	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less
OMTLTS05	12/22/2021 12:03	32.6	30.3	0.5	36.6	-0.1	-0.1	-38.3	56.5	0.2	Valve Adjustment:No Change,Valve at minimum position
OMTLTS06	12/3/2021 9:55	0.5	1.3	21.5	76.7	-0.2	-0.2	-39.1	52.5	0.1	Valve Adjustment:NSPS/CAI,Opened valve 1/2 turn or less,Valve 5% open
OMTLTS06	12/3/2021 9:57	7.1	10.8	13.0	69.1	-0.3	-0.2	-34.2	70.2	9.4	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less
OMTLTS06	12/22/2021 12:11	12.9	14.5	10.4	62.2	-0.1	-0.1	-37.9	62.1	2.7	Valve Adjustment:No Change,Valve at minimum position
OMTLTS07	12/3/2021 10:10	59.2	40.6	0.0	0.2	-0.1	-0.2	-40.2	57.6	0.2	Valve Adjustment:Valve at minimum position,Opened valve 1/2 turn or less
OMTLTS07	12/22/2021 12:45	51.1	36.0	0.0	12.9	-0.1	-0.1	-38.0	63.9	3.2	Valve Adjustment:No Change,Valve at minimum position
OMTLTS08	12/3/2021 10:14	40.6	30.7	2.3	26.4	-0.2	-0.2	-39.4	53.7	0.1	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less
OMTLTS08	12/22/2021 12:49	50.9	35.6	0.5	13.0	-0.1	-0.1	-24.8	55.8	0.1	Valve Adjustment:No Change,Valve at minimum position
OMTLTS09	12/3/2021 10:17	34.2	29.5	0.9	35.4	-0.2	-0.2	-38.8	53.6	0.1	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less

OMTLTS09	12/22/2021 12:57	18.8	25.4	0.1	55.7	-0.1	-0.1	-23.5	55.7	1.0	Valve Adjustment:No Change,Valve at minimum position
OMTLTS10	12/3/2021 10:21	26.0	30.3	0.0	43.7	-0.1	-0.1	-35.0	64.6	1.3	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less
OMTLTS10	12/22/2021 13:07	10.8	23.8	0.0	65.4	-0.1	-0.1	-10.8	55.5	0.1	Valve Adjustment:No Change,Valve at minimum position
OMTLTS11	12/3/2021 10:25	7.1	10.3	14.1	68.5	-0.1	-0.1	-37.3	54.5	0.1	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less
OMTLTS11	12/22/2021 13:16	7.7	21.5	0.5	70.3	-0.1	-0.1	-10.6	56.3	1.7	Valve Adjustment:No Change,Valve at minimum position
OMTLTS12	12/3/2021 10:28	9.0	17.1	6.8	67.1	-0.1	-0.1	-39.8	54.2	0.2	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less
OMTLTS12	12/23/2021 11:57	2.9	13.6	6.6	76.9	-0.3	-0.3	-22.9	53.4	0.1	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less
OMTLTS15	12/3/2021 10:32	2.5	7.2	15.3	75.0	-0.1	-0.2	-39.3	54.8	0.3	Valve Adjustment:NSPS/CAI,Opened valve 1/2 turn or less,Valve 5% open
OMTLTS15	12/3/2021 10:34	4.5	9.1	13.6	72.8	-0.3	-0.2	-39.8	79.5	10.0	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less
OMTLTS15	12/22/2021 10:20	8.7	11.7	13.2	66.4	-0.1	-0.1	-39.9	54.7	0.2	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less
OMTLTS16	12/3/2021 10:46	0.1	16.9	3.7	79.3	-0.2	-0.2	-35.7	63.6	2.4	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less
OMTLTS16	12/22/2021 10:25	21.3	29.6	0.2	48.9	-0.2	-0.1	-37.6	60.4	2.6	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less
OMTLTS17	12/3/2021 11:02	8.0	20.7	2.3	69.0	-0.2	-0.2	-38.9	69.3	3.3	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less
OMTLTS17	12/22/2021 10:28	16.9	26.1	0.0	57.0	-0.1	-0.1	-38.9	57.8	0.5	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less
OMTLTS18	12/3/2021 11:05	52.4	41.7	0.3	5.6	-0.5	-0.5	-38.9	65.9	17.6	Valve Adjustment:No Change,Valve 100% open
OMTLTS18	12/22/2021 10:41	53.2	38.3	0.0	8.5	-0.5	-0.5	-38.7	64.5	20.1	Valve Adjustment:No Change,Valve 100% open
OMTLTS19	12/3/2021 11:09	51.7	39.7	2.5	6.1	-0.3	-0.3	-38.8	70.4	20.2	Valve Adjustment:No Change,Valve 100% open
OMTLTS19	12/22/2021 10:43	54.4	38.7	1.6	5.3	-0.3	-0.3	-38.8	68.7	20.2	Valve Adjustment:No Change,Valve 100% open
OMTLTS20	12/3/2021 11:12	48.8	38.4	1.0	11.8	-0.5	-0.5	-39.6	70.5	31.5	Valve Adjustment:Closed valve 1/2 turn or less,Valve 25% open
OMTLTS20	12/22/2021 10:46	54.7	38.0	0.2	7.1	-0.5	-0.5	-39.1	67.6	28.0	Valve Adjustment:Opened valve 1/2 turn or less,Valve 30% open
OXEW133B	12/10/2021 11:35	13.5	25.2	0.8	60.5	-5.7	-5.6	-32.8	62.0	172.4	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less
OXEW133B	12/27/2021 12:10	56.7	43.0	0.0	0.3	-3.4	-3.4	-29.9	55.7	53.4	Valve Adjustment:No Change
OXEW134A	12/10/2021 11:32	49.3	40.1	0.0	10.6	-11.0	-9.5	-40.0	79.4	11.6	Valve Adjustment:Closed valve 1/2 turn or less
OXEW134A	12/27/2021 12:06	51.9	42.5	0.0	5.6	-9.2	-9.4	-35.3	63.3	37.9	Valve Adjustment:No Change
OXEW134B	12/10/2021 11:29	34.3	37.1	0.0	28.6	-39.6	-38.8	-40.8	68.8	98.6	Valve Adjustment:Closed valve 1/2 turn to 1 turn
OXEW134B	12/27/2021 12:03	54.8	44.9	0.0	0.3	-34.4	-34.1	-36.0	58.1	21.2	Valve Adjustment:No Change
OXEW137B	12/3/2021 10:04	57.5	42.5	0.0	0.0	-37.5	-37.5	-37.6	74.3	19.1	Valve Adjustment:No Change,Valve 100% open
OXEW137B	12/22/2021 12:25	57.6	42.3	0.1	0.0	-36.1	-37.6	-36.8	66.8	5.6	Valve Adjustment:No Change,Valve 100% open
OXEW1601	12/8/2021 13:29	54.0	39.5	0.4	6.1	-4.5	-4.5	-36.9	118.4	37.4	Valve Adjustment:Opened valve 1/2 turn or less
OXEW1601	12/16/2021 10:02	59.2	40.8	0.0	0.0	-5.3	-6.0	-37.2	118.1	50.4	Valve Adjustment:Opened valve 1/2 turn or less
OXEW1602	12/8/2021 13:00	55.1	39.2	0.0	5.7	-35.0	-35.0	-36.5	126.8	53.1	Valve Adjustment:No Change,Valve 100% open
OXEW1602	12/28/2021 13:20	57.7	42.3	0.0	0.0	-34.0	-34.1	-35.5	126.3	51.9	Valve Adjustment:No Change,Valve 100% open
OXEW1603	12/8/2021 13:40	58.2	40.3	0.0	1.5	-32.3	-32.3	-34.0	126.2	88.9	Valve Adjustment:No Change,Valve 100% open
OXEW1603	12/16/2021 10:16	58.2	41.5	0.0	0.3	-32.3	-32.3	-34.9	126.1	72.0	Valve Adjustment:No Change,Valve 100% open
OXEW1604	12/8/2021 11:41	44.4	39.3	0.0	16.3	-2.5	-2.4	-33.4	122.3	8.8	Valve Adjustment:Closed valve 1/2 turn or less

OXEW1604	12/16/2021 13:24	46.8	36.6	0.0	16.6	-2.9	-2.7	-31.7	122.4	5.8	Valve Adjustment:Closed valve 1/2 turn or less
OXEW1611	12/7/2021 10:34	59.0	41.0	0.0	0.0	-34.7	-34.9	-34.7	70.2	3.0	Valve Adjustment:No Change,Valve 100% open
OXEW1611	12/23/2021 11:28	58.4	41.6	0.0	0.0	-35.6	-35.6	-35.3	64.8	1.8	Valve Adjustment:No Change,Valve 100% open
OXEW1612	12/8/2021 13:03	52.6	38.2	0.0	9.2	-14.9	-15.2	-37.5	126.2	23.7	Valve Adjustment:No Change
OXEW1612	12/16/2021 13:05	54.6	37.8	0.0	7.6	-15.8	-16.0	-37.5	124.8	24.0	Valve Adjustment:Opened valve 1/2 turn or less
OXEW1613	12/8/2021 11:36	54.8	42.6	0.2	2.4	-6.4	-6.7	-35.5	126.0	30.5	Valve Adjustment:Opened valve 1/2 turn or less
OXEW1613	12/16/2021 13:28	56.3	39.8	0.2	3.7	-7.1	-7.1	-35.4	126.2	27.3	Valve Adjustment:Opened valve 1/2 turn or less
OXEW1614	12/8/2021 11:20	51.0	41.0	0.0	8.0	-0.7	-0.7	-36.8	116.4	11.9	Valve Adjustment:No Change
OXEW1614	12/16/2021 12:11	51.4	40.3	0.0	8.3	-1.2	-1.2	-37.0	115.9	24.2	Valve Adjustment:No Change
OXEW1616	12/7/2021 12:35	54.0	39.4	0.0	6.6	-10.8	-10.9	-37.2	114.9	19.9	Valve Adjustment:Opened valve 1/2 turn or less
OXEW1616	12/16/2021 11:51	55.3	40.7	0.0	4.0	-11.5	-11.6	-35.7	114.4	29.9	Valve Adjustment:Opened valve 1/2 turn or less
OXEW1617	12/1/2021 10:35	56.4	43.6	0.0	0.0	-1.7	-2.7	-38.0	128.3	11.7	Valve Adjustment:Opened valve 1/2 turn or less,Valve 25% open
OXEW1617	12/20/2021 12:44	53.4	43.2	0.0	3.4	-4.2	-4.2	-39.0	129.7	18.5	Valve Adjustment:No Change,Valve 25% open
OXEW1618	12/8/2021 11:34	51.5	41.0	0.0	7.5	-0.8	-0.8	-36.7	128.2	37.9	Valve Adjustment:No Change,Valve 20% open
OXEW1618	12/16/2021 12:19	52.0	41.3	0.1	6.6	-2.0	-1.6	-36.7	128.0	31.6	Valve Adjustment:No Change,Valve 20% open
OXEW1619	12/3/2021 9:35	57.7	42.3	0.0	0.0	-38.0	-38.0	-38.9	123.4	17.2	Valve Adjustment:No Change,Valve 100% open
OXEW1619	12/22/2021 11:37	57.6	41.4	0.1	0.9	-37.4	-37.4	-38.1	121.5	16.2	Valve Adjustment:No Change,Valve 100% open
OXEW1620	12/3/2021 9:30	58.3	41.3	0.0	0.4	-3.1	-3.2	-39.3	115.8	7.6	Valve Adjustment:Opened valve 1/2 turn or less,Valve 25% open
OXEW1620	12/22/2021 11:27	56.4	39.7	0.0	3.9	-3.3	-3.5	-39.0	114.4	8.4	Valve Adjustment:Opened valve 1/2 turn or less,Valve 25% open
OXEW1621	12/2/2021 12:36	48.0	40.4	0.0	11.6	-0.2	-0.2	-34.9	110.3	28.8	Valve Adjustment:Closed valve 1/2 turn or less
OXEW1621	12/23/2021 11:28	45.9	41.5	0.0	12.6	-0.7	-0.7	-38.7	97.3	9.2	Valve Adjustment:Closed valve 1/2 turn or less
OXEW1622	12/3/2021 9:37	51.1	39.8	3.0	6.1	-8.1	-7.9	-38.6	124.2	13.9	Valve Adjustment:No Change
OXEW1622	12/22/2021 11:40	50.3	38.3	3.0	8.4	-7.8	-7.4	-38.5	122.5	14.2	Valve Adjustment:Closed valve 1/2 turn or less
OXEW1701	12/3/2021 12:21	60.4	39.6	0.0	0.0	-35.0	-35.0	-35.8	119.6	22.0	Valve Adjustment:No Change,Valve 100% open
OXEW1701	12/28/2021 13:35	58.6	41.4	0.0	0.0	-33.1	-33.2	-34.4	119.3	23.8	Valve Adjustment:No Change,Valve 100% open
OXEW1702	12/7/2021 12:59	59.2	40.4	0.0	0.4	-32.4	-32.6	-35.0	123.3	40.5	Valve Adjustment:No Change,Valve 100% open
OXEW1702	12/16/2021 11:13	58.7	41.3	0.0	0.0	-32.6	-32.6	-35.7	122.7	40.3	Valve Adjustment:No Change,Valve 100% open
OXEW1703	12/8/2021 10:57	57.2	42.8	0.0	0.0	-32.7	-33.0	-33.0	126.0	9.8	Valve Adjustment:No Change,Valve 100% open
OXEW1703	12/16/2021 11:20	57.3	42.7	0.0	0.0	-33.0	-34.0	-33.5	125.7	15.8	Valve Adjustment:No Change,Valve 100% open
OXEW1705	12/7/2021 12:25	58.3	40.7	0.0	1.0	-36.8	-36.5	-37.2	95.0	6.1	Valve Adjustment:No Change,Valve 100% open
OXEW1705	12/16/2021 10:45	57.8	42.2	0.0	0.0	-35.8	-36.2	-36.2	80.0	3.2	Valve Adjustment:No Change,Valve 100% open
OXEW1715	12/9/2021 11:19	55.2	40.9	0.0	3.9	-18.4	-20.0	-40.6	61.7	1.2	Valve Adjustment:Opened valve 1/2 turn or less,Valve 25% open
OXEW1715	12/17/2021 12:51	52.3	40.8	0.3	6.6	-20.1	-19.9	-40.1	67.6	0.7	Valve Adjustment:No Change,Valve 25% open
OXEW1716	12/1/2021 13:14	57.8	41.3	0.0	0.9	-38.7	-38.7	-38.5	78.0	4.5	Valve Adjustment:No Change,Valve 100% open
OXEW1716	12/21/2021 10:21	61.9	36.9	0.1	1.1	-40.4	-40.5	-41.0	61.5	1.7	Valve Adjustment:No Change,Valve 100% open

OXEW1717	12/1/2021 13:32	54.5	37.6	0.2	7.7	-25.2	-25.7	-40.6	110.9	4.0	Valve Adjustment:Opened valve 1/2 turn or less,Valve 40% open
OXEW1717	12/21/2021 12:56	52.0	41.8	0.2	6.0	-29.2	-29.2	-41.8	109.8	4.1	Valve Adjustment:No Change,Valve 40% open
OXEW1801	12/8/2021 11:10	50.4	38.3	3.2	8.1	-0.8	-0.8	-37.7	93.6	1.9	Valve Adjustment:Closed valve 1/2 turn or less,Valve 10% open
OXEW1801	12/16/2021 12:01	46.1	35.5	3.9	14.5	-0.8	-0.8	-37.0	87.3	9.3	Valve Adjustment:Closed valve 1/2 turn or less,Valve 10% open
OXEW1804	12/8/2021 11:45	55.0	41.4	0.0	3.6	-36.0	-36.0	-37.4	121.0	11.7	Valve Adjustment:Opened valve 1/2 turn or less,Valve 75% open
OXEW1804	12/16/2021 13:18	57.2	38.6	0.0	4.2	-35.7	-35.9	-36.8	120.9	8.7	Valve Adjustment:Opened valve 1/2 turn or less,Valve 80% open
OXEW1805	12/8/2021 11:49	50.2	40.8	0.1	8.9	-18.1	-18.0	-37.9	124.5	23.8	Valve Adjustment:Closed valve 1/2 turn or less,Valve 45% open
OXEW1805	12/16/2021 13:14	55.6	38.3	0.1	6.0	-17.9	-18.0	-38.2	123.6	20.0	Valve Adjustment:Opened valve 1/2 turn or less,Valve 45% open
OXEW1806	12/2/2021 13:15	52.5	41.2	0.0	6.3	-0.1	-0.1	-36.1	123.3	13.1	Valve Adjustment:No Change,Valve 10% open
OXEW1806	12/23/2021 11:12	52.3	42.4	0.0	5.3	-0.3	-0.3	-40.0	120.3	13.1	Valve Adjustment:No Change,Valve 10% open
OXEW1807	12/1/2021 10:46	55.0	41.7	0.0	3.3	-11.0	-11.9	-40.3	129.2	52.0	Valve Adjustment:Opened valve 1/2 turn or less,Valve 45% open
OXEW1807	12/7/2021 12:48	55.0	39.3	0.0	5.7	-15.6	-15.6	-42.5	129.5	51.4	Valve Adjustment:Opened valve 1/2 turn or less,Valve 45% open
OXEW1807	12/16/2021 11:38	56.3	41.3	0.0	2.4	-15.5	-15.2	-41.0	129.3	63.5	Valve Adjustment:Opened valve 1/2 turn or less,Valve 45% open
OXEW1808	12/7/2021 12:13	51.8	35.6	2.6	10.0	-36.9	-36.6	-37.0	97.5	6.4	Valve Adjustment:Closed valve 1/2 turn or less,Valve 95% open
OXEW1808	12/16/2021 10:59	47.1	34.4	3.9	14.6	-35.8	-35.8	-36.2	81.4	7.0	Valve Adjustment:Closed valve 1/2 turn or less,Valve 90% open
OXEW1809	12/8/2021 13:11	59.3	39.2	0.0	1.5	-2.6	-2.6	-2.8	113.8	12.1	Valve Adjustment:No Change,Valve 100% open
OXEW1809	12/16/2021 9:53	59.0	41.0	0.0	0.0	-1.1	-1.1	-1.7	113.5	8.9	Valve Adjustment:No Change,Valve 100% open
OXEW1810	12/1/2021 12:13	57.8	36.1	0.2	5.9	-10.8	-11.6	-39.3	76.0	3.0	Valve Adjustment:Valve at minimum position,Opened valve 1/2 turn or less
OXEW1810	12/22/2021 12:00	50.9	37.5	0.0	11.6	-17.0	-17.0	-39.2	64.0	3.8	Valve Adjustment:No Change,Valve at minimum position
OXEW1811	12/8/2021 10:19	55.1	40.0	0.8	4.1	-21.4	-21.5	-38.4	57.9	10.0	Valve Adjustment:Opened valve 1/2 turn or less,Valve 35% open
OXEW1811	12/20/2021 12:13	51.7	38.9	2.1	7.3	-21.4	-21.4	-37.9	62.4	10.2	Valve Adjustment:No Change,Valve 30% open
OXEW1812	12/10/2021 10:18	51.2	38.7	0.1	10.0	-21.4	-21.4	-41.6	125.9	39.1	Valve Adjustment:No Change,Valve 40% open
OXEW1812	12/22/2021 13:14	53.9	40.4	0.0	5.7	-19.9	-19.9	-38.5	125.6	39.7	Valve Adjustment:No Change,Valve 40% open
OXEW1813	12/7/2021 12:42	59.1	40.2	0.0	0.7	-38.7	-38.7	-39.0	115.8	9.4	Valve Adjustment:No Change,Valve 100% open
OXEW1813	12/16/2021 11:47	58.3	41.7	0.0	0.0	-39.4	-38.1	-37.8	111.8	26.7	Valve Adjustment:No Change,Valve 100% open
OXEW1815	12/2/2021 13:35	54.8	39.6	0.0	5.6	-4.8	-5.1	-36.7	127.1	22.6	Valve Adjustment:Opened valve 1/2 turn or less,Valve 35% open
OXEW1815	12/23/2021 10:49	54.6	38.5	0.0	6.9	-6.5	-6.6	-39.9	125.3	24.2	Valve Adjustment:Opened valve 1/2 turn or less,Valve 35% open
OXEW1816	12/7/2021 13:00	57.6	39.3	0.1	3.0	-17.0	-17.6	-39.4	116.0	96.5	Valve Adjustment:Opened valve 1/2 turn to 1 turn,Valve 85% open
OXEW1816	12/16/2021 11:09	59.0	41.0	0.0	0.0	-17.8	-18.3	-38.6	115.8	102.6	Valve Adjustment:Opened valve 1/2 turn to 1 turn,Valve 90% open
OXEW1817	12/7/2021 12:11	59.2	40.6	0.0	0.2	-34.7	-35.4	-36.8	108.2	23.3	Valve Adjustment:No Change,Valve 100% open
OXEW1817	12/16/2021 11:04	59.2	40.8	0.0	0.0	-34.0	-34.0	-35.3	105.5	18.0	Valve Adjustment:No Change,Valve 100% open
OXEW1821	12/1/2021 13:00	37.2	24.1	0.0	38.7	-0.1	-0.1	-38.8	79.5	0.1	Valve Adjustment:No Change,Valve at minimum position
OXEW1821	12/22/2021 12:17	36.7	27.2	0.0	36.1	-0.2	-0.1	-39.2	54.1	0.2	Valve Adjustment:No Change,Valve at minimum position
OXEW1822	12/1/2021 13:03	28.7	24.8	0.0	46.5	-0.1	-0.1	-38.8	75.4	0.1	Valve Adjustment:No Change,Valve at minimum position
OXEW1822	12/22/2021 12:21	32.9	26.2	0.0	40.9	-0.1	-0.1	-38.3	54.3	0.8	Valve Adjustment:No Change,Valve at minimum position

OXEW1823	12/1/2021 13:08	29.4	30.8	0.0	39.8	-0.1	-0.1	-38.4	78.5	0.2	Valve Adjustment:No Change,Valve at minimum position
OXEW1823	12/22/2021 12:28	35.7	31.5	0.0	32.8	-0.1	-0.1	-39.6	54.3	0.3	Valve Adjustment:No Change,Valve at minimum position
OXEW1824	12/1/2021 12:22	64.3	34.3	0.2	1.2	-39.1	-39.1	-39.0	77.1	1.7	Valve Adjustment:No Change,Valve 100% open
OXEW1824	12/22/2021 12:08	62.7	33.7	0.0	3.6	-39.0	-39.1	-39.3	55.8	6.5	Valve Adjustment:No Change,Valve 100% open
OXEW1825	12/1/2021 12:08	47.8	35.1	0.1	17.0	-1.9	-1.9	-39.6	79.9	0.5	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less
OXEW1825	12/22/2021 11:57	43.0	36.1	0.0	20.9	-2.2	-2.2	-39.8	55.8	1.7	Valve Adjustment:No Change,Valve at minimum position
OXEW1826	12/10/2021 10:38	0.5	1.5	22.2	75.8	-4.7	-5.2	-40.1	58.8	0.2	Valve Adjustment:NSPS/CAI,Opened valve 1/2 turn to 1 turn,Valve 5% open
OXEW1826	12/10/2021 10:40	35.0	35.2	0.2	29.6	-6.1	-5.4	-40.9	64.9	8.6	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn to 1 turn
OXEW1826	12/27/2021 13:28	59.5	39.2	0.0	1.3	-0.1	-0.1	-37.0	62.4	12.4	Valve Adjustment:No Change,Valve at minimum position
OXEW1901	12/3/2021 9:18	57.5	42.5	0.0	0.0	-39.6	-39.6	-39.6	54.2	2.2	Valve Adjustment:No Change,Valve 100% open
OXEW1901	12/22/2021 11:15	58.4	41.1	0.1	0.4	-38.7	-38.4	-39.1	55.7	5.7	Valve Adjustment:No Change,Valve 100% open
OXEW1902	12/7/2021 12:53	58.9	40.4	0.0	0.7	-35.0	-34.9	-37.0	70.6	30.3	Valve Adjustment:No Change,Valve 100% open
OXEW1902	12/16/2021 11:16	53.2	38.6	2.0	6.2	-36.0	-36.0	-36.2	60.1	7.0	Valve Adjustment:No Change,Valve 100% open
OXEW1904	12/8/2021 11:01	53.6	40.4	0.0	6.0	-12.9	-13.0	-37.6	93.7	38.5	Valve Adjustment:Opened valve 1/2 turn or less,Valve 50% open
OXEW1904	12/16/2021 11:23	54.6	40.8	0.0	4.6	-13.6	-13.7	-36.9	99.0	37.1	Valve Adjustment:Opened valve 1/2 turn or less,Valve 50% open
OXEW1908	12/7/2021 10:42	59.2	40.6	0.0	0.2	-29.3	-29.2	-34.0	107.3	29.1	Valve Adjustment:No Change,Valve 100% open
OXEW1908	12/23/2021 11:01	58.4	41.2	0.0	0.4	-30.2	-30.2	-34.5	108.0	10.9	Valve Adjustment:No Change,Valve 100% open
OXEW1909	12/7/2021 9:35	58.8	38.8	0.2	2.2	-34.8	-35.0	-34.8	100.9	13.4	Valve Adjustment:No Change,Valve 100% open
OXEW1909	12/23/2021 10:38	62.0	36.6	0.2	1.2	-36.3	-36.2	-35.9	101.5	5.4	Valve Adjustment:No Change,Valve 100% open
OXEW1910	12/7/2021 9:22	52.6	38.8	0.0	8.6	-25.2	-24.9	-35.5	112.7	26.7	Valve Adjustment:No Change,Valve 100% open
OXEW1910	12/23/2021 10:53	56.1	40.3	0.0	3.6	-26.2	-26.2	-36.8	113.2	10.8	Valve Adjustment:No Change,Valve 100% open
OXEW1911	12/1/2021 10:55	55.4	41.1	0.4	3.1	-13.5	-14.0	-39.2	129.1	11.0	Valve Adjustment:Opened valve 1/2 turn or less,Valve 30% open
OXEW1911	12/8/2021 12:56	54.4	38.5	0.4	6.7	-22.3	-22.5	-38.7	129.7	14.2	Valve Adjustment:Opened valve 1/2 turn or less,Valve 30% open
OXEW1911	12/16/2021 13:10	55.2	37.8	0.4	6.6	-26.0	-26.7	-38.5	129.7	15.3	Valve Adjustment:Opened valve 1/2 turn or less,Valve 30% open
OXEW1912	12/8/2021 13:31	53.2	37.8	0.0	9.0	-14.1	-14.1	-39.3	123.6	34.0	Valve Adjustment:Opened valve 1/2 turn or less,Valve 40% open
OXEW1912	12/16/2021 10:08	57.0	40.7	0.0	2.3	-18.0	-18.2	-39.1	121.5	30.7	Valve Adjustment:Opened valve 1/2 turn or less,Valve 40% open
OXEW1913	12/10/2021 10:26	59.1	40.9	0.0	0.0	-5.8	-6.2	-41.2	94.8	5.8	Valve Adjustment:Opened valve 1/2 turn or less,Valve 5% open
OXEW1913	12/22/2021 13:21	57.7	42.3	0.0	0.0	-6.8	-8.4	-38.1	93.6	9.6	Valve Adjustment:Opened valve 10% or less,Valve 15% open
OXEW1914	12/8/2021 9:44	58.3	41.7	0.0	0.0	-39.3	-38.7	-39.4	101.1	5.0	Valve Adjustment:No Change,Valve 100% open
OXEW1914	12/20/2021 11:55	59.0	39.7	0.0	1.3	-39.4	-39.6	-39.6	102.0	13.0	Valve Adjustment:No Change,Valve 100% open
OXEW1915	12/9/2021 12:05	57.1	41.0	0.0	1.9	-1.8	-2.1	-41.6	62.9	5.8	Valve Adjustment:Valve at minimum position,Opened valve 1/2 turn or less
OXEW1915	12/21/2021 12:41	51.7	42.3	0.0	6.0	-2.9	-2.9	-41.9	56.1	7.3	Valve Adjustment:No Change,Valve at minimum position
OXEW1916	12/9/2021 12:56	50.2	28.5	3.6	17.7	-40.2	-39.8	-40.3	62.9	0.4	Valve Adjustment:Closed valve 1/2 turn or less,Valve 55% open
OXEW1916	12/27/2021 14:09	53.2	42.0	4.1	0.7	-38.0	-37.8	-37.7	55.0	2.5	Valve Adjustment:No Change,Valve 50% open
OXEW1917	12/9/2021 13:02	56.5	39.6	0.0	3.9	-20.2	-21.2	-40.2	74.2	3.0	Valve Adjustment:Opened valve 1/2 turn or less,Valve 5% open

OXEW1917	12/17/2021 12:19	56.7	42.1	0.0	1.2	-22.5	-22.5	-35.6	71.6	2.8	Valve Adjustment:No Change,Valve at minimum position
OXEW1918	12/1/2021 12:19	18.3	23.8	1.8	56.1	-0.1	-0.1	-39.0	82.3	2.1	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less
OXEW1918	12/22/2021 12:02	40.7	33.3	0.0	26.0	-0.1	-0.1	-39.2	54.5	2.1	Valve Adjustment:No Change,Valve at minimum position
OXEW1919	12/1/2021 12:50	60.1	38.3	0.0	1.6	-0.1	-0.1	-38.3	83.6	2.3	Valve Adjustment:Valve at minimum position,Opened valve 1/2 turn or less
OXEW1919	12/22/2021 12:24	59.4	38.7	0.0	1.9	-0.1	-0.1	-38.7	54.3	10.8	Valve Adjustment:No Change,Valve at minimum position
OXEW1920	12/1/2021 12:53	49.8	31.7	0.4	18.1	-0.1	-0.1	-38.5	75.4	0.1	Valve Adjustment:No Change,Valve at minimum position
OXEW1920	12/22/2021 12:15	41.4	30.1	0.0	28.5	-0.1	-0.1	-38.9	54.0	0.4	Valve Adjustment:No Change,Valve at minimum position
OXEW1921	12/1/2021 12:29	52.8	37.4	0.7	9.1	-36.4	-36.7	-39.3	115.1	32.6	Valve Adjustment:No Change,Valve 75% open
OXEW1921	12/22/2021 11:54	48.6	39.9	0.6	10.9	-36.5	-36.5	-39.5	113.4	28.0	Valve Adjustment:No Change,Valve 75% open
OXEW2001	12/9/2021 12:34	54.0	42.2	0.0	3.8	-0.8	-0.8	-35.3	124.3	7.9	Valve Adjustment:Opened valve 1/2 turn or less,Valve 10% open
OXEW2001	12/17/2021 11:59	41.4	39.3	0.0	19.3	-2.3	-2.3	-33.0	116.2	7.7	Valve Adjustment:No Change,Valve 5% open
OXEW2002	12/9/2021 11:48	55.3	40.3	0.0	4.4	-31.6	-32.5	-44.5	121.2	27.8	Valve Adjustment:Opened valve 1/2 turn or less,Valve 55% open
OXEW2002	12/21/2021 12:14	53.8	44.0	0.0	2.2	-35.0	-35.0	-42.5	117.5	34.2	Valve Adjustment:No Change,Valve 55% open
OXEW2003	12/1/2021 13:34	55.6	41.2	0.1	3.1	-40.3	-40.1	-40.4	118.9	3.7	Valve Adjustment:No Change,Valve 100% open
OXEW2003	12/21/2021 10:54	55.9	42.7	0.0	1.4	-42.0	-41.9	-42.4	116.8	2.8	Valve Adjustment:No Change,Valve 100% open
OXEW2004	12/1/2021 13:40	54.4	40.7	0.0	4.9	-29.1	-29.0	-42.8	130.0	54.0	Valve Adjustment:No Change,Valve 60% open
OXEW2004	12/21/2021 10:25	55.9	38.6	0.0	5.5	-32.7	-32.7	-45.1	129.9	51.1	Valve Adjustment:No Change,Valve 65% open
OXEW2005	12/1/2021 13:11	55.4	43.0	0.0	1.6	-1.8	-1.9	-38.9	90.4	0.4	Valve Adjustment:Opened valve 1/2 turn or less,Valve 20% open
OXEW2005	12/22/2021 11:50	54.5	42.5	0.0	3.0	-2.6	-2.5	-39.3	117.0	4.6	Valve Adjustment:No Change,Valve 20% open
OXEW2006	12/1/2021 12:40	63.1	35.0	0.0	1.9	0.2	-0.4	-38.4	76.3	0.2	Valve Adjustment:NSPS/CAI,Valve at minimum position,Opened valve 1/2 turn or less
OXEW2006	12/1/2021 12:41	63.0	35.1	0.2	1.7	-1.1	-1.1	-38.6	79.1	0.8	Valve Adjustment:No Change,Valve at minimum position
OXEW2006	12/22/2021 12:33	10.3	21.8	2.0	65.9	-6.4	-5.9	-39.1	56.1	0.5	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less
OXEW2007	12/1/2021 12:31	56.3	38.9	0.1	4.7	-36.0	-35.7	-39.0	115.1	12.8	Valve Adjustment:Valve 100% open,Opened valve 1/2 turn to 1 turn
OXEW2007	12/22/2021 12:37	56.8	41.0	0.0	2.2	-38.2	-38.2	-39.8	113.5	8.3	Valve Adjustment:No Change,Valve 100% open
OXEW2008	12/1/2021 12:39	61.7	36.9	0.0	1.4	-38.9	-38.9	-38.7	79.0	2.8	Valve Adjustment:No Change,Valve 100% open
OXEW2008	12/22/2021 12:11	62.3	35.5	0.0	2.2	-39.3	-39.0	-39.4	62.4	2.6	Valve Adjustment:No Change,Valve 100% open
OXEW2009	12/9/2021 13:09	56.8	41.3	0.1	1.8	-40.3	-40.4	-40.9	99.8	11.3	Valve Adjustment:No Change,Valve 100% open
OXEW2009	12/17/2021 12:15	54.7	45.2	0.1	0.0	-39.3	-39.4	-39.4	97.1	8.5	Valve Adjustment:No Change,Valve 100% open
OXEW2010	12/9/2021 13:05	49.0	38.9	0.1	12.0	-20.2	-19.9	-40.5	75.1	3.3	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less
OXEW2010	12/17/2021 12:22	52.2	41.6	0.0	6.2	-20.2	-20.0	-39.1	71.2	3.1	Valve Adjustment:No Change,Valve at minimum position
OXEW2011	12/9/2021 12:47	56.3	41.5	0.0	2.2	-2.0	-2.2	-40.8	111.7	9.6	Valve Adjustment:Opened valve 1/2 turn or less,Valve 15% open
OXEW2011	12/17/2021 11:50	54.9	40.2	0.0	4.9	-5.5	-5.5	-40.3	105.6	10.1	Valve Adjustment:No Change,Valve 10% open
OXEW2012	12/9/2021 12:26	53.9	39.9	0.3	5.9	-31.3	-31.4	-43.1	112.5	25.9	Valve Adjustment:Opened valve 1/2 turn or less,Valve 45% open
OXEW2012	12/21/2021 12:27	52.4	42.5	0.3	4.8	-34.6	-34.6	-43.9	110.5	22.3	Valve Adjustment:No Change,Valve 45% open
OXEW2016	12/1/2021 10:17	55.2	42.2	0.0	2.6	-18.5	-18.6	-38.0	130.3	34.5	Valve Adjustment:No Change,Valve 40% open

OXEW2016	12/8/2021 13:50	56.2	40.3	0.2	3.3	-18.0	-18.0	-37.1	130.2	34.6	Valve Adjustment:Opened valve 1/2 turn or less,Valve 40% open
OXEW2016	12/16/2021 10:30	56.8	42.3	0.1	0.8	-19.2	-19.4	-37.9	130.1	34.0	Valve Adjustment:Opened valve 1/2 turn or less,Valve 45% open
OXEW2017	12/8/2021 13:44	54.8	38.9	1.6	4.7	-0.2	-0.2	-38.0	95.3	7.4	Valve Adjustment:No Change,Valve 15% open
OXEW2017	12/16/2021 10:21	41.3	32.5	6.1	20.1	-0.7	-0.7	-37.7	91.0	2.2	Valve Adjustment:Closed valve 1/2 turn to 1 turn,Valve 10% open
OXEW2017	12/16/2021 10:26	25.5	19.6	12.9	42.0	-0.6	-0.6	-37.2	84.7	2.1	Valve Adjustment:NSPS/CAI,Opened valve 1/2 turn or less,Valve 5% open
OXEW2017	12/28/2021 12:59	57.8	42.1	0.1	0.0	0.8	-0.1	-36.2	60.3	4.5	Valve Adjustment:NSPS/CAI,Opened valve 10% or less,Valve 15% open
OXEW2017	12/28/2021 13:01	56.6	42.1	0.5	0.8	-0.3	-0.3	-36.7	108.7	11.8	Valve Adjustment:No Change,Valve 15% open
OXEW2019	12/7/2021 9:54	55.9	39.9	0.0	4.2	-10.2	-10.2	-34.5	98.1	67.0	Valve Adjustment:Valve 100% open,Opened valve 1/2 turn to 1 turn
OXEW2019	12/23/2021 11:19	58.2	41.2	0.0	0.6	-9.9	-9.9	-34.8	98.2	70.0	Valve Adjustment:No Change,Valve 100% open
OXEW2020	12/2/2021 12:18	59.5	39.6	0.0	0.9	-2.6	-2.5	-35.7	130.4	9.0	Valve Adjustment:Closed valve 1/2 turn or less,Valve 5% open
OXEW2020	12/23/2021 10:54	58.5	41.5	0.0	0.0	-3.2	-3.7	-39.8	129.3	9.5	Valve Adjustment:Opened valve 1/2 turn to 1 turn,Valve 15% open
OXEW2021	12/2/2021 13:42	58.7	38.8	0.1	2.4	-1.6	-4.5	-36.6	98.4	2.3	Valve Adjustment:Opened valve 1/2 turn or less,Valve 25% open
OXEW2021	12/23/2021 10:40	59.1	39.9	0.0	1.0	-2.2	-2.5	-40.0	80.4	1.8	Valve Adjustment:Opened valve 1/2 turn or less,Valve 25% open
OXEW2022	12/1/2021 10:26	57.9	42.1	0.0	0.0	-10.8	-10.8	-39.5	130.1	17.1	Valve Adjustment:No Change,Valve 25% open
OXEW2022	12/3/2021 12:27	59.6	39.1	0.0	1.3	-9.8	-9.8	-39.5	130.2	25.6	Valve Adjustment:No Change,Valve 30% open
OXEW2022	12/20/2021 13:01	58.3	41.7	0.0	0.0	-11.2	-11.2	-40.2	128.1	25.0	Valve Adjustment:No Change,Valve 30% open
OXEW2023	12/7/2021 12:17	59.3	39.9	0.0	0.8	-33.0	-33.0	-36.9	123.4	41.3	Valve Adjustment:No Change,Valve 100% open
OXEW2023	12/16/2021 10:55	58.7	41.3	0.0	0.0	-32.3	-32.3	-36.0	123.0	38.9	Valve Adjustment:No Change,Valve 100% open
OXEW2024	12/7/2021 10:23	56.9	40.7	0.0	2.4	-3.3	-3.8	-37.0	111.5	52.6	Valve Adjustment:Opened valve 1/2 turn or less,Valve 45% open
OXEW2024	12/23/2021 11:38	56.2	42.6	0.0	1.2	-4.8	-4.8	-37.0	109.6	63.7	Valve Adjustment:No Change,Valve 50% open
OXEW2025	12/7/2021 9:51	59.6	40.3	0.1	0.0	-3.5	-3.5	-4.3	101.9	24.4	Valve Adjustment:No Change,Valve 100% open
OXEW2025	12/23/2021 11:16	58.9	40.9	0.0	0.2	-4.1	-4.1	-5.0	91.2	4.4	Valve Adjustment:No Change,Valve 100% open
OXEW2026	12/9/2021 10:47	57.2	42.6	0.0	0.2	-23.8	-23.9	-40.2	95.9	98.7	Valve Adjustment:No Change,Valve 100% open
OXEW2026	12/23/2021 11:12	57.6	41.2	0.0	1.2	-24.2	-24.2	-40.2	96.4	102.6	Valve Adjustment:No Change,Valve 100% open
OXEW2027	12/7/2021 9:39	58.6	40.5	0.2	0.7	-33.5	-32.8	-33.9	81.2	15.8	Valve Adjustment:No Change,Valve 100% open
OXEW2027	12/28/2021 13:05	57.5	41.8	0.0	0.7	-24.6	-24.5	-35.3	87.9	10.0	Valve Adjustment:No Change,Valve 100% open
OXEW2028	12/9/2021 10:50	57.7	42.0	0.0	0.3	-16.9	-17.0	-39.5	89.6	27.1	Valve Adjustment:No Change,Valve 100% open
OXEW2028	12/23/2021 11:09	58.7	41.1	0.0	0.2	-38.5	-38.4	-39.9	87.3	10.3	Valve Adjustment:No Change,Valve 100% open
OXEW2029	12/3/2021 12:31	53.5	39.1	0.1	7.3	-7.6	-7.7	-39.6	120.0	37.9	Valve Adjustment:Opened valve 1/2 turn or less,Valve 55% open
OXEW2029	12/20/2021 12:57	52.9	40.0	0.1	7.0	-19.3	-19.1	-39.9	120.2	30.6	Valve Adjustment:No Change,Valve 50% open
OXEW2030	12/7/2021 12:30	57.0	40.3	0.0	2.7	-33.0	-33.0	-36.6	125.2	38.3	Valve Adjustment:No Change,Valve 100% open
OXEW2030	12/16/2021 10:40	58.5	41.5	0.0	0.0	-32.3	-32.3	-35.8	124.8	36.3	Valve Adjustment:No Change,Valve 100% open
OXEW2031	12/10/2021 12:42	55.1	37.9	0.1	6.9	-28.3	-28.3	-38.0	125.8	34.6	Valve Adjustment:No Change,Valve 100% open
OXEW2031	12/16/2021 10:36	56.7	41.7	0.0	1.6	-28.0	-28.0	-37.3	125.7	33.9	Valve Adjustment:No Change,Valve 100% open
OXEW2101	12/10/2021 11:02	48.0	41.2	0.0	10.8	-1.2	-1.1	-41.0	125.4	15.2	Valve Adjustment:Closed valve 1/2 turn or less,Valve 15% open

OXEW2101	12/23/2021 11:16	54.5	43.5	0.0	2.0	-0.9	-1.0	-39.8	124.0	8.4	Valve Adjustment:Opened valve 1/2 turn or less,Valve 20% open
OXEW2102	12/7/2021 10:40	59.2	40.8	0.0	0.0	-32.5	-32.7	-34.9	76.4	30.9	Valve Adjustment:No Change,Valve 100% open
OXEW2102	12/23/2021 11:26	58.4	41.5	0.0	0.1	-33.6	-33.6	-35.6	65.1	34.7	Valve Adjustment:No Change,Valve 100% open
OXEW2103	12/7/2021 10:28	56.7	40.7	0.0	2.6	-4.5	-4.9	-37.9	99.8	46.1	Valve Adjustment:Opened valve 1/2 turn or less,Valve 45% open
OXEW2103	12/23/2021 11:42	57.9	41.7	0.0	0.4	-5.6	-5.6	-37.4	98.6	52.5	Valve Adjustment:No Change,Valve 40% open
OXEW2104	12/7/2021 10:16	57.2	42.5	0.0	0.3	-14.5	-14.5	-37.8	112.9	102.2	Valve Adjustment:No Change,Valve 100% open
OXEW2104	12/23/2021 11:34	57.0	43.0	0.0	0.0	-17.5	-17.5	-41.0	113.0	102.5	Valve Adjustment:No Change,Valve 100% open
OXEW2105	12/7/2021 10:51	53.3	39.6	0.0	7.1	-7.8	-7.8	-34.5	107.1	62.9	Valve Adjustment:No Change,Valve 65% open
OXEW2105	12/23/2021 10:57	57.2	40.2	0.0	2.6	-8.8	-8.9	-35.6	108.3	62.9	Valve Adjustment:Opened valve 10% or less,Valve 70% open
OXEW2106	12/8/2021 13:18	59.5	39.6	0.0	0.9	-18.9	-19.5	-26.7	117.1	19.9	Valve Adjustment:Opened valve 1/2 turn or less,Valve 75% open
OXEW2106	12/16/2021 9:57	59.0	41.0	0.0	0.0	-18.0	-21.3	-29.4	111.0	19.0	Valve Adjustment:Valve 100% open,Opened valve 1/2 turn to 1 turn
OXEW2107	12/9/2021 12:31	55.8	42.5	0.0	1.7	-12.8	-13.0	-23.8	124.2	7.2	Valve Adjustment:Opened valve 1/2 turn or less,Valve 25% open
OXEW2107	12/17/2021 12:01	54.8	44.7	0.0	0.5	-14.0	-14.0	-21.6	117.0	5.2	Valve Adjustment:No Change,Valve 25% open
OXEW2108	12/9/2021 11:55	56.3	41.8	0.0	1.9	-10.1	-10.2	-42.0	126.1	21.5	Valve Adjustment:Opened valve 1/2 turn or less,Valve 30% open
OXEW2108	12/21/2021 12:18	55.7	42.9	0.0	1.4	-17.3	-17.4	-42.4	113.7	20.2	Valve Adjustment:No Change,Valve 25% open
OXEW2109	12/9/2021 12:43	53.0	39.4	0.0	7.6	-13.2	-13.2	-42.3	78.0	2.8	Valve Adjustment:No Change,Valve at minimum position
OXEW2109	12/17/2021 11:53	51.2	39.5	0.0	9.3	-13.8	-13.8	-41.6	71.4	2.3	Valve Adjustment:No Change,Valve at minimum position
OXEW2110	12/7/2021 12:21	59.4	39.4	0.0	1.2	-27.6	-27.6	-28.9	104.0	28.0	Valve Adjustment:No Change,Valve 100% open
OXEW2110	12/16/2021 10:50	58.7	41.3	0.0	0.0	-27.0	-27.0	-28.7	99.3	28.0	Valve Adjustment:No Change,Valve 100% open
OXEW2111	12/7/2021 8:56	51.1	38.1	0.0	10.8	-4.3	-4.3	-40.4	99.6	87.9	Valve Adjustment:Closed valve 1/2 turn or less,Valve 55% open
OXEW2111	12/23/2021 10:42	57.5	39.4	0.0	3.1	-3.8	-5.0	-44.8	99.5	92.4	Valve Adjustment:Opened valve 10% or less,Valve 65% open
OXEW2112	12/7/2021 9:08	56.3	41.1	0.2	2.4	-26.6	-27.6	-38.0	99.0	6.3	Valve Adjustment:No Change,Valve 100% open
OXEW2112	12/28/2021 12:31	56.3	43.7	0.0	0.0	-22.0	-22.1	-31.8	98.6	8.7	Valve Adjustment:No Change,Valve 100% open
OXEW2113	12/7/2021 9:13	54.8	39.7	0.0	5.5	-22.5	-22.8	-39.6	119.8	45.6	Valve Adjustment:Opened valve 1/2 turn or less,Valve 50% open
OXEW2113	12/23/2021 10:46	57.5	40.1	0.0	2.4	-25.2	-27.1	-40.9	120.6	48.0	Valve Adjustment:Opened valve 10% or less,Valve 55% open
OXEWHC6A	12/1/2021 13:52	47.4	41.7	0.0	10.9	-0.3	-0.1	-40.1	77.4	1.5	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less
OXEWHC6A	12/21/2021 12:46	52.7	45.3	0.0	2.0	-0.1	-0.1	-41.9	59.9	0.5	Valve Adjustment:No Change,Valve at minimum position
OXHC1922	12/7/2021 9:17	50.7	37.3	1.8	10.2	-0.5	-0.5	-35.5	55.1	11.1	Valve Adjustment:No Change,Valve 35% open
OXHC1922	12/23/2021 10:49	59.6	40.0	0.0	0.4	-0.5	-0.5	-37.6	53.4	15.2	Valve Adjustment:No Change,Valve 35% open
OXHC2000	12/10/2021 13:00	59.8	38.0	0.1	2.1	-1.2	-1.9	-38.2	66.1	10.9	Valve Adjustment:Opened valve 1/2 turn to 1 turn,Valve 40% open
OXHC2000	12/27/2021 12:46	58.9	41.1	0.0	0.0	-7.2	-7.4	-36.7	55.9	10.2	Valve Adjustment:No Change,Valve 40% open
OXHC2001	12/10/2021 12:56	49.6	32.5	3.9	14.0	-6.9	-5.7	-50.1	66.2	84.1	Valve Adjustment:Closed valve 1/2 turn to 1 turn,Valve 40% open
OXHC2001	12/27/2021 12:43	57.6	42.4	0.0	0.0	-3.9	-4.0	-43.3	55.8	36.6	Valve Adjustment:No Change,Valve 40% open
OXHC2013	12/9/2021 11:21	44.8	37.2	0.3	17.7	-0.9	-0.9	-39.9	62.0	3.7	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less
OXHC2013	12/17/2021 12:54	33.4	33.0	1.6	32.0	-0.8	-0.8	-40.0	67.8	1.7	Valve Adjustment:No Change,Valve at minimum position

OXHC2014	12/7/2021 9:02	58.1	40.6	0.0	1.3	-1.3	-1.4	-35.5	74.1	36.4	Valve Adjustment:Opened valve 1/2 turn to 1 turn,Valve 35% open
OXHC2014	12/28/2021 12:10	58.1	41.1	0.0	0.8	-0.4	-0.4	-25.5	75.6	31.3	Valve Adjustment:No Change,Valve 45% open
OXHC2015	12/10/2021 9:57	43.2	35.9	0.5	20.4	-2.5	-2.3	-47.2	59.0	54.3	Valve Adjustment:Closed valve 1/2 turn or less,Valve 35% open
OXHC2015	12/27/2021 14:03	56.1	42.1	0.0	1.8	-0.7	-0.7	-42.1	56.7	47.8	Valve Adjustment:No Change,Valve 40% open
OXHC2101	12/21/2021 11:46	57.2	40.1	0.6	2.1	0.3	0.3	-38.8	61.5	2.1	Well Comment:First reading on new well
OXHC2101	12/21/2021 11:51	57.3	42.0	0.3	0.4	0.3	0.2	-38.4	59.4	2.3	Valve Adjustment:Valve at minimum position,Opened valve 1/2 turn or less
OXHC2101	12/21/2021 11:52	58.0	42.0	0.0	0.0	0.2	0.2	-38.6	67.1	1.9	Valve Adjustment:No Change,Valve at minimum position
OXHC2101	12/21/2021 13:14	57.9	42.1	0.0	0.0	0.2	0.1	-38.5	68.5	1.0	Valve Adjustment:Opened valve 1/2 turn to 1 turn,Valve 10% open
OXHC2101	12/21/2021 13:15	57.8	42.2	0.0	0.0	0.1	0.1	-38.6	70.7	4.4	Valve Adjustment:No Change,Valve 10% open
OXHC2101	12/22/2021 13:00	58.1	40.7	0.0	1.2	0.5	-0.1	-35.3	71.6	4.4	Valve Adjustment:Opened valve >10% ,Valve 25% open
OXHC2101	12/22/2021 13:02	57.9	42.1	0.0	0.0	-0.2	-0.2	-36.4	75.6	13.5	Valve Adjustment:No Change,Valve 25% open
OXLCR4A1	12/10/2021 9:55	52.1	37.9	0.0	10.0	-38.4	-27.8	-46.1	60.6	16.2	Valve Adjustment:No Change,Valve 55% open
OXLCR4A1	12/27/2021 13:57	56.4	38.4	0.0	5.2	-30.5	-30.7	-41.6	58.3	31.0	Valve Adjustment:No Change,Valve 55% open
OXLCR4B1	12/10/2021 9:53	44.2	34.2	1.2	20.4	-1.5	-1.5	-45.6	55.1	7.5	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less
OXLCR4B1	12/27/2021 13:59	51.8	38.7	0.9	8.6	-1.4	-1.4	-40.5	55.0	51.1	Valve Adjustment:No Change,Valve at minimum position
OXLCRS07	12/9/2021 10:26	56.8	38.1	0.9	4.2	-18.0	-18.2	-41.8	83.8	118.0	Valve Adjustment:No Change,Valve 100% open
OXLCRS07	12/27/2021 12:49	58.6	41.4	0.0	0.0	-14.0	-14.2	-36.9	83.3	118.5	Valve Adjustment:No Change,Valve 100% open
OXLCRS10	12/10/2021 12:48	48.3	32.8	4.4	14.5	-11.8	-7.1	-34.2	79.8	35.0	Valve Adjustment:Closed valve >1 turn,Valve 35% open
OXLCRS10	12/28/2021 11:45	60.1	38.9	0.0	1.0	-3.2	-4.2	-35.9	78.3	32.5	Valve Adjustment:Opened valve 10% or less,Valve 40% open
OXLCRS11	12/10/2021 12:45	55.5	37.8	0.1	6.6	-4.9	-4.7	-38.4	80.5	41.5	Valve Adjustment:No Change,Valve 100% open
OXLCRS11	12/28/2021 11:48	49.0	37.5	2.4	11.1	-4.5	-4.4	-37.4	79.3	122.2	Valve Adjustment:No Change,Valve 100% open
OXLCRS3A	12/3/2021 10:03	57.8	42.2	0.0	0.0	-33.7	-33.4	-37.2	89.9	108.3	Valve Adjustment:No Change,Valve 100% open
OXLCRS3A	12/22/2021 12:18	58.1	41.9	0.0	0.0	-33.2	-33.8	-36.8	88.2	99.0	Valve Adjustment:No Change,Valve 100% open
OXLCRS3B	12/3/2021 9:59	56.8	43.1	0.1	0.0	-32.6	-34.8	-36.7	90.3	130.7	Valve Adjustment:No Change,Valve 100% open
OXLCRS3B	12/22/2021 12:15	57.8	42.2	0.0	0.0	-34.0	-34.0	-37.7	88.6	109.8	Valve Adjustment:No Change,Valve 100% open
OXLCRS7B	12/9/2021 10:30	56.8	38.2	0.8	4.2	-19.5	-19.4	-37.0	84.2	93.7	Valve Adjustment:No Change,Valve 100% open
OXLCRS7B	12/27/2021 12:52	59.2	40.8	0.0	0.0	-15.9	-15.6	-32.3	84.7	83.7	Valve Adjustment:No Change,Valve 100% open
OXLCRS9A	12/13/2021 12:33	1.0	2.5	21.2	75.3	1.5	-0.1	-29.0	53.2	1.8	Valve Adjustment:NSPS/CAI,Opened valve 1/2 turn to 1 turn,Valve 5% open
OXLCRS9A	12/13/2021 12:36	48.1	46.9	0.2	4.8	-0.8	-0.7	-22.8	63.5	10.8	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less
OXLCRS9A	12/28/2021 12:27	32.6	40.0	6.1	21.3	-12.2	-12.7	-28.8	62.2	9.3	Valve Adjustment:NSPS,Valve at minimum position
OXLCRS9A	12/28/2021 12:29	32.7	40.1	6.1	21.1	-10.6	-12.6	-28.6	62.1	8.8	Valve Adjustment:NSPS/CAI,Valve at minimum position
OXLCRS9B	12/13/2021 12:38	51.1	48.8	0.0	0.1	-0.2	-0.3	-30.9	53.4	1.4	Valve Adjustment:No Change,Valve at minimum position
OXLCRS9B	12/28/2021 12:24	49.7	46.3	2.2	1.8	-3.6	-3.6	-29.5	46.7	1.2	Valve Adjustment:No Change,Valve at minimum position
OXME302D	12/1/2021 11:06	55.7	39.1	1.2	4.0	-17.5	-18.0	-39.5	119.7	58.4	Valve Adjustment:Opened valve 1/2 turn or less
OXME302D	12/23/2021 10:36	57.6	38.8	0.9	2.7	-16.7	-16.8	-40.8	118.6	55.7	Valve Adjustment:Opened valve 1/2 turn or less

OXME306D	12/3/2021 9:02	58.2	41.7	0.0	0.1	-38.2	-38.1	-38.9	126.2	16.0	Valve Adjustment:No Change,Valve 100% open
OXME306D	12/22/2021 11:05	59.5	39.9	0.0	0.6	-38.1	-38.1	-38.8	125.9	16.5	Valve Adjustment:No Change,Valve 100% open
OXME312D	12/3/2021 12:44	42.2	37.3	0.0	20.5	-4.4	-4.2	-37.8	118.8	16.8	Valve Adjustment:Closed valve 1/2 turn or less
OXME312D	12/20/2021 12:49	37.4	36.4	0.0	26.2	-4.0	-4.0	-39.2	112.8	18.3	Valve Adjustment:No Change,Valve 5% open
OXME316D	12/8/2021 9:59	58.1	41.0	0.3	0.6	-31.3	-31.7	-35.5	126.0	33.4	Valve Adjustment:Opened valve 1/2 turn to 1 turn,Valve 80% open
OXME316D	12/20/2021 12:06	58.6	40.0	0.0	1.4	-32.0	-32.0	-35.6	126.5	35.6	Valve Adjustment:No Change,Valve 80% open
OXME317D	12/8/2021 10:12	58.1	41.9	0.0	0.0	-37.3	-37.4	-37.7	70.0	5.0	Valve Adjustment:No Change,Valve 100% open
OXME317D	12/20/2021 12:10	58.4	41.2	0.0	0.4	-37.2	-37.3	-37.6	64.8	10.0	Valve Adjustment:No Change,Valve 100% open
OXMEW113	12/10/2021 11:26	54.7	42.3	0.2	2.8	-13.8	-14.4	-40.1	73.5	0.0	Valve Adjustment:Opened valve 1/2 turn or less
OXMEW113	12/27/2021 12:01	56.8	43.2	0.0	0.0	-15.5	-15.6	-35.6	62.9	84.4	Valve Adjustment:No Change
OXMEW122	12/3/2021 10:38	57.6	42.3	0.1	0.0	-39.7	-39.6	-40.0	65.0	7.9	Valve Adjustment:No Change,Valve 100% open
OXMEW122	12/28/2021 13:58	58.5	41.5	0.0	0.0	-38.5	-38.5	-38.8	58.4	11.8	Valve Adjustment:No Change,Valve 100% open
OXMEW126	12/6/2021 12:03	58.9	41.1	0.0	0.0	-22.2	-22.4	-22.8	61.2	19.8	Valve Adjustment:No Change,Valve 100% open
OXMEW126	12/17/2021 13:26	56.9	43.1	0.0	0.0	-37.1	-37.1	-37.5	60.9	10.6	Valve Adjustment:No Change,Valve 100% open
OXMEW138	12/3/2021 10:08	49.2	40.2	0.0	10.6	-4.0	-3.9	-37.3	74.1	9.1	Valve Adjustment:Closed valve 1/2 turn or less,Valve 5% open
OXMEW138	12/22/2021 12:35	44.2	38.7	0.0	17.1	-4.5	-4.3	-36.5	69.0	8.1	Valve Adjustment:Opened valve 1/2 turn to 1 turn
OXMEW145	12/10/2021 11:22	54.0	41.6	0.0	4.4	-28.0	-28.3	-40.9	99.8	24.0	Valve Adjustment:Opened valve 1/2 turn or less,Valve 45% open
OXMEW145	12/27/2021 11:56	57.2	41.8	0.1	0.9	-25.8	-25.8	-35.9	97.5	15.2	Valve Adjustment:No Change,Valve 45% open
OXMEW156	12/1/2021 13:50	57.2	41.0	0.0	1.8	-15.9	-18.1	-39.7	68.6	4.3	Valve Adjustment:Valve at minimum position,Opened valve 1/2 turn or less
OXMEW156	12/21/2021 12:48	52.7	45.7	0.0	1.6	-24.0	-24.0	-41.9	55.9	5.9	Valve Adjustment:No Change,Valve at minimum position
OXMEW158	12/6/2021 12:10	50.0	43.0	0.0	7.0	-4.2	-4.2	-23.7	59.6	0.6	Valve Adjustment:No Change,Valve at minimum position
OXMEW158	12/17/2021 13:35	48.6	45.2	0.0	6.2	-10.1	-10.1	-37.9	62.2	0.9	Valve Adjustment:No Change,Valve at minimum position
OXMEW159	12/6/2021 12:08	49.4	41.0	0.0	9.6	-16.2	-16.2	-24.0	68.9	3.6	Valve Adjustment:No Change,Valve at minimum position
OXMEW159	12/17/2021 13:32	49.8	43.2	0.0	7.0	-23.1	-23.1	-38.3	68.7	4.8	Valve Adjustment:No Change,Valve at minimum position
OXMEW162	12/1/2021 11:23	48.9	28.1	4.9	18.1	-38.4	-38.7	-38.8	74.7	5.9	Valve Adjustment:No Change
OXMEW162	12/22/2021 13:11	51.6	27.3	4.2	16.9	-37.6	-37.9	-37.7	55.3	13.4	Valve Adjustment:No Change
OXMEW170	12/1/2021 12:24	48.7	29.0	2.2	20.1	-38.4	-38.2	-38.9	83.6	0.2	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less
OXMEW170	12/22/2021 12:05	48.6	28.9	3.4	19.1	-36.8	-36.8	-39.2	54.3	0.4	Valve Adjustment:No Change,Valve at minimum position
OXMEW173	12/1/2021 13:43	49.5	37.6	0.0	12.9	-2.7	-2.6	-39.8	100.4	71.8	Valve Adjustment:Closed valve 1/2 turn or less
OXMEW173	12/21/2021 13:05	46.2	42.6	0.1	11.1	-1.8	-1.8	-41.4	87.3	9.5	Valve Adjustment:No Change,Valve at minimum position
OXMEW174	12/1/2021 13:47	57.8	40.7	0.0	1.5	0.1	-0.1	-39.9	79.2	4.1	Valve Adjustment:NSPS/CAI,Valve at minimum position,Opened valve 1/2 turn or less
OXMEW174	12/1/2021 13:48	57.7	40.9	0.0	1.4	-0.3	-0.3	-39.8	75.3	3.3	Valve Adjustment:No Change,Valve at minimum position
OXMEW174	12/21/2021 12:53	52.3	40.2	0.1	7.4	-0.2	-0.2	-42.1	57.6	3.7	Valve Adjustment:No Change,Valve at minimum position
OXMEW175	12/1/2021 13:55	57.7	41.5	0.0	0.8	-0.8	-1.0	-40.4	77.3	2.1	Valve Adjustment:Valve at minimum position,Opened valve 1/2 turn or less
OXMEW175	12/21/2021 12:44	51.3	43.0	0.0	5.7	-4.7	-4.7	-41.7	56.8	2.7	Valve Adjustment:No Change,Valve at minimum position

OXMEW176	12/1/2021 11:45	50.3	40.1	0.0	9.6	-11.4	-11.5	-39.8	111.8	33.0	Valve Adjustment:No Change
OXMEW176	12/28/2021 12:39	53.9	41.0	0.0	5.1	-10.0	-9.9	-38.7	109.0	35.7	Valve Adjustment:No Change
OXMEW181	12/10/2021 10:22	57.5	42.5	0.0	0.0	-8.8	-9.2	-41.7	115.5	50.9	Valve Adjustment:Opened valve 1/2 turn or less
OXMEW181	12/22/2021 13:17	57.0	42.7	0.0	0.3	-9.4	-9.8	-39.1	112.1	26.3	Valve Adjustment:No Change
OXMEW182	12/8/2021 10:34	55.1	41.0	0.0	3.9	-34.0	-34.0	-37.9	119.8	22.8	Valve Adjustment:No Change,Valve 100% open
OXMEW182	12/20/2021 12:23	54.2	40.3	0.0	5.5	-34.6	-34.6	-38.5	119.2	2.7	Valve Adjustment:No Change,Valve 100% open
OXMEW183	12/2/2021 12:53	50.9	39.2	0.0	9.9	-5.5	-5.4	-34.7	118.0	43.1	Valve Adjustment:No Change
OXMEW183	12/23/2021 11:44	52.8	41.9	0.0	5.3	-5.6	-5.4	-33.6	117.0	45.1	Valve Adjustment:No Change
OXMEW184	12/2/2021 12:46	47.1	38.1	0.0	14.8	-0.2	-0.2	-34.5	120.0	13.7	Valve Adjustment:Closed valve 1/2 turn or less
OXMEW184	12/23/2021 11:39	43.2	39.0	0.0	17.8	-0.3	-0.3	-39.7	118.2	14.2	Valve Adjustment:Closed valve 1/2 turn or less
OXMEW185	12/2/2021 12:43	49.9	39.0	0.1	11.0	-0.7	-0.7	-35.3	119.5	12.3	Valve Adjustment:Closed valve 1/2 turn or less
OXMEW185	12/23/2021 11:36	46.9	40.0	0.0	13.1	-1.1	-1.0	-39.2	117.6	16.9	Valve Adjustment:Closed valve 1/2 turn or less
OXMEW186	12/8/2021 10:47	54.1	43.2	0.5	2.2	-0.5	-0.5	-38.3	80.6	5.2	Valve Adjustment:No Change,Valve 5% open
OXMEW186	12/20/2021 12:40	55.4	41.4	0.3	2.9	-0.3	-0.3	-38.6	63.1	1.9	Valve Adjustment:No Change,Valve 5% open
OXMEW187	12/2/2021 13:02	53.8	42.0	0.1	4.1	-0.1	-0.1	-35.0	117.6	34.5	Valve Adjustment:Opened valve 1/2 turn or less
OXMEW187	12/27/2021 12:22	55.7	43.7	0.0	0.6	-0.2	-0.2	-35.8	103.6	6.4	Valve Adjustment:No Change,Valve at minimum position
OXMEW188	12/2/2021 12:32	52.5	39.9	0.0	7.6	-0.7	-0.7	-35.1	118.0	14.0	Valve Adjustment:No Change
OXMEW188	12/23/2021 11:25	52.0	41.8	0.0	6.2	-1.2	-1.2	-38.9	113.9	14.8	Valve Adjustment:No Change
OXMEW189	12/10/2021 11:08	52.4	41.7	0.1	5.8	-2.5	-2.4	-40.1	122.5	32.2	Valve Adjustment:No Change
OXMEW189	12/23/2021 11:20	54.6	42.3	0.1	3.0	-2.9	-3.1	-38.2	121.9	71.7	Valve Adjustment:Opened valve 1/2 turn or less
OXMEW190	12/3/2021 12:37	51.6	38.8	0.2	9.4	-11.4	-11.4	-37.0	125.5	27.5	Valve Adjustment:No Change,Valve 35% open
OXMEW190	12/20/2021 12:52	49.1	40.4	0.1	10.4	-11.7	-11.7	-39.1	125.4	27.5	Valve Adjustment:No Change,Valve 35% open
OXMEW191	12/1/2021 13:39	51.9	40.0	0.0	8.1	-3.3	-3.3	-40.4	127.2	18.2	Valve Adjustment:No Change
OXMEW191	12/21/2021 10:51	53.3	40.5	0.0	6.2	-4.4	-4.4	-42.7	123.4	19.5	Valve Adjustment:No Change,Valve 10% open
OXMEW192	12/9/2021 12:21	52.4	39.0	0.0	8.6	-4.2	-4.2	-42.5	64.5	0.0	Valve Adjustment:No Change
OXMEW192	12/21/2021 12:29	50.7	40.1	0.0	9.2	-7.3	-7.3	-43.3	62.8	10.8	Valve Adjustment:No Change
OXMEW194	12/6/2021 12:21	54.4	40.0	0.1	5.5	-17.2	-17.2	-23.9	82.2	0.0	Valve Adjustment:No Change
OXMEW194	12/10/2021 10:35	52.3	41.5	0.5	5.7	-27.9	-27.9	-41.0	84.6	11.5	Valve Adjustment:No Change
OXMEW194	12/27/2021 13:23	59.8	40.1	0.1	0.0	-24.7	-24.7	-36.7	74.1	51.0	Valve Adjustment:No Change
OXMEW196	12/8/2021 10:36	52.5	40.0	0.0	7.5	-8.4	-8.4	-38.2	100.0	11.0	Valve Adjustment:No Change
OXMEW196	12/20/2021 12:29	50.5	39.6	0.0	9.9	-8.5	-8.5	-38.5	86.8	0.0	Valve Adjustment:No Change,Valve 5% open
OXMEW199	12/8/2021 10:43	56.9	41.0	0.0	2.1	-4.1	-4.2	-39.1	120.0	20.0	Valve Adjustment:Valve 100% open,Opened valve 1/2 turn or less
OXMEW199	12/20/2021 12:37	56.4	41.2	0.0	2.4	-4.3	-4.3	-38.9	116.1	28.0	Valve Adjustment:No Change,Valve 15% open
OXMEW200	12/2/2021 12:59	49.5	39.4	0.0	11.1	-0.9	-0.8	-35.9	121.2	16.0	Valve Adjustment:Closed valve 1/2 turn or less
OXMEW200	12/23/2021 11:50	41.4	39.5	0.0	19.1	-2.8	-2.6	-40.0	120.1	22.9	Valve Adjustment:Closed valve 1/2 turn or less

OXMEW201	12/2/2021 12:40	52.1	40.2	0.0	7.7	-0.1	-0.1	-34.7	99.2	17.7	Valve Adjustment:No Change
OXMEW201	12/23/2021 11:33	45.3	40.6	0.0	14.1	-0.6	-0.6	-38.5	93.6	5.7	Valve Adjustment:Closed valve 1/2 turn or less
OXMEW203	12/3/2021 9:44	43.8	33.6	1.1	21.5	-7.5	-5.5	-39.5	67.6	8.7	Valve Adjustment:Closed valve 1/2 turn or less,Valve 5% open
OXMEW203	12/22/2021 11:49	57.1	34.9	0.0	8.0	-2.4	-2.6	-38.9	60.1	2.9	Valve Adjustment:Opened valve 1/2 turn or less,Valve 5% open
OXMEW204	12/3/2021 9:40	54.9	42.2	0.0	2.9	-4.0	-4.1	-35.8	99.7	6.3	Valve Adjustment:Opened valve 1/2 turn or less,Valve 10% open
OXMEW204	12/22/2021 11:44	55.0	39.9	0.0	5.1	-4.2	-4.3	-37.2	98.5	3.8	Valve Adjustment:Opened valve 1/2 turn or less,Valve 10% open
OXMEW205	12/2/2021 13:07	43.5	40.0	0.0	16.5	-0.3	-0.3	-35.6	124.2	0.0	Valve Adjustment:Closed valve 1/2 turn or less,Valve 15% open
OXMEW205	12/27/2021 12:27	49.1	43.0	0.0	7.9	-0.3	-0.3	-36.0	119.3	11.8	Valve Adjustment:No Change,Valve 15% open
OXMEW209	12/2/2021 13:28	58.3	41.2	0.0	0.5	-7.4	-5.1	-36.0	135.5	21.1	Valve Adjustment:NSPS/CAI,Closed valve 1/2 turn to 1 turn,Valve 30% open
OXMEW209	12/2/2021 13:30	58.3	41.7	0.0	0.0	-4.8	-4.8	-36.0	130.3	4.4	Valve Adjustment:No Change,Valve 30% open
OXMEW209	12/23/2021 11:01	57.9	42.1	0.0	0.0	2.2	-0.1	-39.5	67.4	2.9	Valve Adjustment:NSPS/CAI,Opened valve 1/2 turn to 1 turn,Valve 35% open
OXMEW209	12/23/2021 11:03	57.8	42.2	0.0	0.0	-0.4	-0.4	-40.1	120.2	19.8	Valve Adjustment:No Change,Valve 35% open
OXMEW210	12/3/2021 8:56	54.1	38.2	0.4	7.3	-32.5	-32.5	-37.1	124.7	36.4	Valve Adjustment:Opened valve 1/2 turn or less,Valve 80% open
OXMEW210	12/22/2021 11:02	58.4	38.0	0.2	3.4	-32.7	-32.9	-38.7	124.5	41.4	Valve Adjustment:Opened valve 1/2 turn to 1 turn,Valve 85% open
OXMEW300	12/2/2021 13:45	61.0	38.8	0.1	0.1	-34.7	-34.9	-36.3	106.2	20.6	Valve Adjustment:No Change,Valve 100% open
OXMEW300	12/23/2021 10:45	60.7	39.3	0.0	0.0	-37.8	-37.4	-39.4	104.5	17.1	Valve Adjustment:No Change,Valve 100% open
OXMEW302	12/2/2021 13:39	52.8	37.7	0.0	9.5	-2.1	-2.1	-36.2	106.7	28.3	Valve Adjustment:Opened valve 1/2 turn or less
OXMEW302	12/23/2021 10:32	52.2	36.6	0.0	11.2	-2.9	-2.9	-40.5	100.6	30.2	Valve Adjustment:No Change
OXMEW303	12/3/2021 8:52	60.2	22.4	4.0	13.4	-39.7	-39.7	-39.7	50.3	11.6	Valve Adjustment:No Change,Valve 100% open
OXMEW303	12/22/2021 10:56	58.9	21.0	4.1	16.0	-38.8	-38.8	-39.2	54.5	0.0	Valve Adjustment:No Change,Valve 100% open
OXMEW306	12/3/2021 9:06	48.5	37.8	0.0	13.7	-0.9	-0.9	-39.2	100.8	3.6	Valve Adjustment:Closed valve 1/2 turn or less
OXMEW306	12/22/2021 11:08	60.2	39.8	0.0	0.0	-0.3	-0.6	-39.3	94.8	30.5	Valve Adjustment:Opened valve 1/2 turn to 1 turn
OXMEW307	12/10/2021 11:18	58.4	41.6	0.0	0.0	-39.7	-39.7	-40.3	92.4	3.2	Valve Adjustment:No Change,Valve 100% open
OXMEW307	12/27/2021 11:52	59.1	40.9	0.0	0.0	-35.4	-35.5	-35.6	92.3	3.4	Valve Adjustment:No Change,Valve 100% open
OXMEW309	12/2/2021 13:20	53.4	39.1	0.1	7.4	-18.3	-18.3	-35.1	127.8	46.6	Valve Adjustment:Opened valve 1/2 turn or less
OXMEW309	12/23/2021 11:07	53.0	40.6	0.0	6.4	-21.4	-21.5	-38.4	127.0	44.7	Valve Adjustment:Opened valve 1/2 turn or less
OXMEW310	12/8/2021 11:13	54.4	40.7	0.0	4.9	-13.8	-13.9	-37.2	115.2	247.3	Valve Adjustment:Opened valve 1/2 turn or less
OXMEW310	12/16/2021 11:56	55.1	41.5	0.0	3.4	-19.6	-19.9	-37.0	113.5	290.3	Valve Adjustment:Opened valve 1/2 turn or less
OXMEW310	12/20/2021 12:32	53.6	41.2	0.0	5.2	-20.1	-20.1	-37.5	111.6	291.5	Valve Adjustment:No Change
OXMEW311	12/3/2021 9:22	49.3	39.1	0.0	11.6	-16.1	-16.1	-39.0	120.1	22.6	Valve Adjustment:Closed valve 1/2 turn or less
OXMEW311	12/22/2021 11:20	48.4	37.7	0.0	13.9	-15.1	-14.9	-38.8	119.6	26.6	Valve Adjustment:Closed valve 1/2 turn or less
OXMEW312	12/3/2021 12:40	55.0	39.2	0.0	5.8	-2.8	-2.8	-38.3	100.1	7.2	Valve Adjustment:Opened valve 1/2 turn or less
OXMEW312	12/20/2021 12:47	51.4	41.4	0.0	7.2	-3.4	-3.4	-38.8	88.2	33.8	Valve Adjustment:No Change,Valve 5% open
OXMEW315	12/3/2021 12:17	57.7	39.3	0.2	2.8	-36.4	-36.7	-36.4	120.7	23.5	Valve Adjustment:No Change,Valve 100% open
OXMEW315	12/20/2021 13:05	57.7	42.0	0.1	0.2	-36.8	-37.0	-37.6	120.4	17.4	Valve Adjustment:No Change,Valve 100% open

OXMEW316	12/8/2021 10:06	59.7	40.3	0.0	0.0	-35.7	-35.7	-37.1	108.3	4.7	Valve Adjustment:Opened valve 1/2 turn or less
OXMEW316	12/20/2021 12:04	59.9	40.0	0.0	0.1	-35.8	-35.8	-37.4	98.2	10.3	Valve Adjustment:No Change
OXMEW317	12/8/2021 10:08	59.7	40.3	0.0	0.0	-37.2	-37.4	-37.4	106.5	18.0	Valve Adjustment:No Change,Valve 100% open
OXMEW317	12/20/2021 12:08	58.3	41.2	0.0	0.5	-37.5	-37.6	-37.5	102.4	18.6	Valve Adjustment:No Change,Valve 100% open
OXMEW318	12/8/2021 10:24	51.3	39.3	0.0	9.4	-2.1	-2.1	-38.2	110.7	32.0	Valve Adjustment:No Change
OXMEW318	12/20/2021 12:16	51.9	37.9	0.0	10.2	-2.1	-2.1	-38.1	104.4	0.0	Valve Adjustment:No Change,Valve at minimum position
OXMEW319	12/8/2021 11:25	53.6	40.5	0.0	5.9	-13.4	-13.5	-36.8	108.8	16.6	Valve Adjustment:No Change
OXMEW319	12/16/2021 12:14	54.9	40.9	0.0	4.2	-13.9	-13.9	-37.2	107.7	24.8	Valve Adjustment:Opened valve 1/2 turn or less
OXMEW319	12/20/2021 12:19	51.7	39.0	0.0	9.3	-15.6	-15.6	-37.6	105.1	21.1	Valve Adjustment:No Change
OXMEW320	12/7/2021 12:46	59.2	40.2	0.0	0.6	-38.7	-38.7	-39.1	123.8	18.3	Valve Adjustment:No Change,Valve 100% open
OXMEW320	12/16/2021 11:43	58.2	41.8	0.0	0.0	-38.6	-38.1	-37.6	123.1	72.0	Valve Adjustment:No Change,Valve 100% open
OXMEW322	12/8/2021 9:50	57.8	40.2	0.0	2.0	-38.4	-38.4	-39.7	118.3	23.4	Valve Adjustment:No Change,Valve 100% open
OXMEW322	12/20/2021 12:00	58.1	39.5	0.0	2.4	-39.1	-39.0	-40.0	118.6	22.4	Valve Adjustment:No Change,Valve 100% open
OXMEW323	12/8/2021 13:08	58.3	39.4	0.1	2.2	-36.6	-36.4	-37.1	113.8	27.6	Valve Adjustment:No Change,Valve 100% open
OXMEW323	12/16/2021 13:01	60.1	38.2	0.0	1.7	-36.6	-36.7	-36.7	113.6	15.2	Valve Adjustment:No Change,Valve 100% open
OXMEW328	12/8/2021 13:35	59.5	39.8	0.0	0.7	-22.2	-22.7	-30.4	121.3	21.9	Valve Adjustment:Opened valve 1/2 turn or less
OXMEW328	12/16/2021 10:12	59.0	41.0	0.0	0.0	-22.9	-23.8	-30.6	120.1	15.2	Valve Adjustment:Opened valve 1/2 turn to 1 turn
OXMEWHC1	12/6/2021 11:59	56.7	43.3	0.0	0.0	-24.2	-24.3	-23.9	53.8	N/A	Valve Adjustment:No Change;Well Condition:No flow device
OXMEWHC1	12/17/2021 13:22	55.2	44.8	0.0	0.0	-38.4	-38.5	-38.4	54.7	N/A	Valve Adjustment:No Change;Well Condition:No flow device
OXMEWW05	12/9/2021 13:13	56.6	42.2	0.0	1.2	-42.3	-42.4	-43.1	109.2	19.1	Valve Adjustment:Opened valve 1/2 turn or less
OXMEWW05	12/17/2021 12:07	55.2	44.8	0.0	0.0	-41.1	-41.1	-41.3	100.6	7.7	Valve Adjustment:No Change
OXMEWW06	12/9/2021 13:17	55.6	42.9	0.0	1.5	-42.4	-42.1	-42.6	96.1	13.4	Valve Adjustment:No Change,Valve 100% open
OXMEWW06	12/17/2021 12:11	55.4	44.4	0.0	0.2	-40.7	-40.8	-40.9	82.8	4.7	Valve Adjustment:No Change,Valve 100% open
OXMEWW08	12/9/2021 12:01	56.4	41.5	0.0	2.1	-2.8	-2.9	-41.9	70.2	7.9	Valve Adjustment:Opened valve 1/2 turn or less,Valve 20% open
OXMEWW08	12/21/2021 12:23	52.5	41.1	0.0	6.4	-7.2	-7.2	-37.5	75.4	7.1	Valve Adjustment:No Change,Valve 20% open
OXMEWW15	12/1/2021 11:47	1.1	1.2	20.9	76.8	-10.1	-40.3	-41.6	73.2	2.7	Valve Adjustment:NSPS/CAI,Valve 100% open,Opened valve >1 turn
OXMEWW15	12/1/2021 11:53	23.7	17.8	10.6	47.9	-41.0	-19.3	-41.5	75.1	5.5	Valve Adjustment:NSPS/CAI,Valve at minimum position,Closed valve >1 turn
OXMEWW15	12/28/2021 12:44	1.3	8.3	20.5	69.9	-7.8	-7.8	-39.4	47.8	0.0	Valve Adjustment:NSPS,Valve at minimum position
OXMEWW17	12/9/2021 11:15	49.0	39.6	2.7	8.7	-35.4	-34.7	-35.8	56.1	9.9	Valve Adjustment:No Change
OXMEWW17	12/17/2021 12:48	55.1	35.9	1.0	8.0	-36.7	-36.6	-36.9	56.8	13.9	Valve Adjustment:No Change,Valve at minimum position
OXMEWW18	12/9/2021 11:03	58.0	41.1	0.0	0.9	-38.6	-38.4	-40.1	54.4	4.8	Valve Adjustment:No Change,Valve 100% open
OXMEWW18	12/20/2021 13:28	56.3	39.8	0.0	3.9	-38.3	-38.7	-40.6	53.2	10.5	Valve Adjustment:No Change
OXMEWW1G	12/9/2021 13:37	54.1	39.4	0.0	6.5	-15.0	-15.1	-40.5	77.0	6.3	Valve Adjustment:Opened valve 1/2 turn or less,Valve 5% open
OXMEWW1G	12/17/2021 12:25	56.4	41.9	0.0	1.7	-16.1	-16.1	-39.4	75.6	6.3	Valve Adjustment:No Change,Valve at minimum position
OXMEWW1I	12/9/2021 13:33	50.3	38.3	0.0	11.4	-33.0	-32.6	-40.5	72.4	2.4	Valve Adjustment:Closed valve 1/2 turn or less,Valve 5% open

OXMEWW1I	12/17/2021 12:28	57.9	42.0	0.1	0.0	-36.2	-36.3	-39.4	65.3	1.3	Valve Adjustment:No Change,Valve at minimum position
OXMEWW1J	12/9/2021 13:29	54.7	41.3	0.0	4.0	-8.3	-8.3	-40.9	78.4	7.5	Valve Adjustment:Opened valve 1/2 turn or less,Valve 5% open
OXMEWW1J	12/17/2021 12:31	57.6	42.4	0.0	0.0	-21.8	-21.8	-39.8	74.3	5.5	Valve Adjustment:No Change,Valve at minimum position
OXMEWW1K	12/9/2021 13:26	55.5	41.5	0.0	3.0	-16.7	-17.4	-42.2	72.9	11.7	Valve Adjustment:Opened valve 1/2 turn or less
OXMEWW1K	12/17/2021 12:34	58.5	40.8	0.2	0.5	-39.0	-39.0	-41.7	59.7	11.8	Valve Adjustment:No Change,Valve 5% open
OXMEWW1S	12/9/2021 11:07	57.8	41.9	0.0	0.3	-34.8	-34.5	-35.9	67.9	22.9	Valve Adjustment:No Change,Valve 100% open
OXMEWW1S	12/17/2021 12:42	56.6	43.0	0.0	0.4	-35.2	-35.2	-36.3	65.8	26.1	Valve Adjustment:No Change
OXMHCF03	12/3/2021 8:22	57.1	42.9	0.0	0.0	-41.8	-42.1	-42.5	60.0	33.3	Valve Adjustment:No Change,Valve 100% open
OXMHCF03	12/16/2021 9:33	57.2	42.7	0.1	0.0	-41.2	-41.0	-42.2	59.8	25.1	Valve Adjustment:No Change,Valve 100% open
OXMHCF04	12/3/2021 8:28	45.4	37.2	3.6	13.8	-42.7	-42.6	-42.6	52.3	8.6	Valve Adjustment:Closed valve 1/2 turn or less
OXMHCF04	12/16/2021 9:36	52.0	41.5	2.5	4.0	-42.5	-42.5	-43.2	53.3	4.6	Valve Adjustment:No Change,Valve 100% open
OXMPEW30	12/9/2021 12:51	56.3	39.7	0.6	3.4	-41.9	-41.9	-42.2	61.6	1.9	Valve Adjustment:Opened valve >1 turn,Valve 50% open
OXMPEW30	12/17/2021 11:48	60.0	39.5	0.1	0.4	-41.5	-41.4	-41.6	56.8	0.3	Valve Adjustment:No Change,Valve 45% open
OXMPEW31	12/14/2021 8:59	57.2	42.2	0.0	0.6	-20.1	-20.2	-40.7	67.8	56.8	Valve Adjustment:No Change,Valve 15% open
OXMPEW31	12/27/2021 12:49	58.0	40.6	0.0	1.4	-16.9	-16.5	-17.1	76.8	9.3	Valve Adjustment:No Change,Valve 100% open
OXMPEW32	12/9/2021 12:07	57.6	40.9	0.0	1.5	-13.2	-14.1	-41.8	70.5	4.6	Valve Adjustment:Opened valve 1/2 turn or less,Valve 5% open
OXMPEW32	12/21/2021 12:39	52.2	42.2	0.0	5.6	-30.8	-30.7	-41.7	64.0	1.3	Valve Adjustment:No Change,Valve at minimum position
OXMPEW33	12/9/2021 12:11	58.7	40.7	0.0	0.6	-1.9	-2.2	-42.9	80.4	5.7	Valve Adjustment:Opened valve 1/2 turn or less,Valve 5% open
OXMPEW33	12/21/2021 12:24	57.3	42.1	0.0	0.6	-7.0	-7.0	-42.8	78.6	2.9	Valve Adjustment:No Change,Valve at minimum position
OXMPEW35	12/9/2021 12:39	55.9	41.7	0.0	2.4	-13.1	-13.3	-42.6	127.2	17.7	Valve Adjustment:Opened valve 1/2 turn or less
OXMPEW35	12/17/2021 11:56	53.7	42.3	0.0	4.0	-18.5	-18.5	-39.5	115.5	18.3	Valve Adjustment:No Change
OXMPEW44	12/9/2021 11:11	57.6	42.4	0.0	0.0	-35.7	-35.9	-35.8	69.5	3.3	Valve Adjustment:Opened valve 1/2 turn to 1 turn,Valve 85% open
OXMPEW44	12/17/2021 12:45	56.9	42.8	0.3	0.0	-36.1	-36.2	-36.2	62.4	0.8	Valve Adjustment:No Change,Valve 80% open

***Bold Italics* =** HOV/LTCO approval from BAAQMD

*Some flow readings not available due to low/no flow conditions recorded by GEM.

**Well OXEWHC6A is an NSPS exempt well.

NSPS/EG CAI = New Source Performance Standards Corrective Action Initiated

CH_4 = Methane

CO_2 = Carbon Dioxide

O_2 = Oxygen

BAL = Balance Gas, usually nitrogen

in. wk.. = inches of water column

Deg. F. = degrees in Fahrenheit

scfm = standard cubic feet per minute

% = percent

N/A = Not applicable

≤140 degrees F Temperature HOV per Title V Permit Condition Number 10164 part 18(b)(viii)
OXEW1618, OXMEW205, OXMEW209, OXMPEW35

≤15% Oxygen HOV per Title V Permit Condition Number 10164 part 18(b)(i)
OMTLTS01, OMTLTS02, OMTLTS03, OMTLTS04, OMTLTS05, OMTLTS06, OMTLTS07, OMTLTS08, OMTLTS09, OMTLTS10, OMTLTS11, OMTLTS12, OMTLTS15, OMTLTS16, OMTLTS17, OMTLTS18, OMTLTS19, OMTLTS20, ~~OXLCRS01~~, OXLCRS4A, OXLCRS4B, ~~OXLCRS05~~, ~~OXLCRS06~~, OXLCRS07, ~~OXMEWHC6~~, ~~OXMTBTC1,~~ OXMEWW17, and ~~OXMHCF06~~.

LTCO per Title V Permit Condition Number 10164 part 18(d)(i)
OMTLTS01, OMTLTS02, OMTLTS03, OMTLTS04, OMTLTS05, OMTLTS06, OMTLTS07, OMTLTS08, OMTLTS09, OMTLTS10, OMTLTS11, OMTLTS12, OMTLTS15, OMTLTS16, OMTLTS17, OMTLTS18, OMTLTS19, OMTLTS20, ~~OXLCRS01,~~ OXLCRS4A, OXLCRS4B, ~~OXLCRS05, OXLCRS06~~, and OXLCRS07.

*Wells that have been decommissioned are noted with a strikethrough.

OX MOUNTAIN LANDFILL
Wellfield Monitoring Report - January 3, 4, 5, 6, 7, 10, 11, 12, 13, 20, 21, 24, 25, 26, 27, and 28, 2022

Device ID	Date and Time	CH_4	CO_2	O_2	BAL	Initial Static Pressure	Adjusted Static Pressure	Lateral Pressure	Initial Temperature	Initial Flow*	Comments
		%	%	%	%	in. wk..	in. wk..	in. wk..	Deg. F.	scfm	
OMLEW101	1/6/2022 12:31	53.4	41.8	1.0	3.8	-0.1	-0.1	-31.8	65.8	6.5	Valve Adjustment:No Change,Valve at minimum position
OMLEW101	1/27/2022 10:49	50.7	38.1	2.5	8.7	-0.4	-0.4	-32.7	66.5	5.8	Valve Adjustment:No Change,Valve at minimum position
OMLEW104	1/7/2022 14:05	57.0	43.0	0.0	0.0	-5.4	-5.4	-38.9	65.1	24.0	Valve Adjustment:No Change
OMLEW104	1/20/2022 13:26	56.9	42.7	0.0	0.4	-11.2	-11.2	-38.3	73.6	23.6	Valve Adjustment:No Change
OMLEW107	1/7/2022 14:07	57.6	42.4	0.0	0.0	-38.3	-38.3	-38.7	60.8	9.4	Valve Adjustment:No Change,Valve 100% open
OMLEW107	1/20/2022 13:29	57.5	42.5	0.0	0.0	-38.0	-38.0	-38.1	64.1	18.9	Valve Adjustment:No Change,Valve 100% open
OMLFEW59	1/7/2022 11:30	56.5	39.8	0.1	3.6	-0.6	-0.6	-33.7	104.9	10.1	Valve Adjustment:No Change,Valve 15% open
OMLFEW59	1/21/2022 10:38	57.4	38.8	0.0	3.8	-0.8	-0.8	-31.5	106.8	12.1	Valve Adjustment:Opened valve 1/2 turn or less,Valve 20% open
OMLFEW72	1/7/2022 13:55	55.2	39.9	0.0	4.9	-3.0	-3.0	-39.2	50.4	N/A	Valve Adjustment:No Change;Well Condition:No flow device
OMLFEW72	1/20/2022 13:17	56.4	39.7	0.0	3.9	-1.0	-1.0	-37.5	72.2	N/A	Valve Adjustment:No Change;Well Condition:No flow device
OMLFEW99	1/3/2022 12:12	50.1	38.4	0.0	11.5	-1.1	-1.1	-37.8	68.0	16.1	Valve Adjustment:No Change,Valve 10% open
OMLFEW99	1/21/2022 12:13	41.3	33.8	0.1	24.8	-1.2	-0.9	-41.0	70.6	16.8	Valve Adjustment:Closed valve 1/2 turn to 1 turn,Valve 5% open
OMTLTS01	1/7/2022 13:47	53.5	40.3	0.1	6.1	-0.7	-0.8	-38.6	58.1	2.5	Valve Adjustment:No Change,Valve at minimum position
OMTLTS01	1/20/2022 13:09	51.5	42.4	0.0	6.1	-1.2	-1.2	-37.8	68.7	1.0	Valve Adjustment:No Change,Valve at minimum position
OMTLTS02	1/7/2022 13:44	56.5	39.2	0.5	3.8	-0.2	-0.2	-38.2	55.8	0.8	Valve Adjustment:No Change,Valve at minimum position
OMTLTS02	1/20/2022 13:06	52.6	39.7	0.1	7.6	-0.1	-0.1	-35.5	68.5	6.5	Valve Adjustment:No Change,Valve at minimum position
OMTLTS03	1/7/2022 13:42	47.2	34.5	0.8	17.5	-0.2	-0.2	-38.5	62.2	4.2	Valve Adjustment:No Change,Valve at minimum position
OMTLTS03	1/20/2022 13:02	49.1	36.3	0.0	14.6	-0.1	-0.1	-37.4	68.3	4.6	Valve Adjustment:No Change,Valve at minimum position
OMTLTS04	1/11/2022 10:31	32.1	29.7	0.1	38.1	-0.3	-0.3	-34.6	71.3	6.1	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less
OMTLTS04	1/20/2022 12:56	36.5	33.5	0.0	30.0	-0.1	-0.1	-37.6	73.0	4.1	Valve Adjustment:No Change,Valve at minimum position
OMTLTS05	1/11/2022 10:26	24.4	22.3	4.2	49.1	-0.3	-0.3	-34.8	74.3	0.2	Valve Adjustment:No Change,Valve at minimum position
OMTLTS05	1/20/2022 12:52	28.2	28.7	2.2	40.9	-0.1	-0.1	-37.3	78.1	0.9	Valve Adjustment:No Change,Valve at minimum position
OMTLTS06	1/11/2022 10:20	4.8	6.5	16.0	72.7	-0.1	-0.1	-34.6	77.4	1.2	Valve Adjustment:NSPS/CAI,Opened valve 1/2 turn or less,Valve 5% open
OMTLTS06	1/11/2022 10:22	4.8	6.5	15.8	72.9	-0.4	-0.3	-33.6	79.5	6.3	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less
OMTLTS06	1/20/2022 12:50	25.6	27.1	3.5	43.8	-0.1	-0.1	-36.0	87.5	8.3	Valve Adjustment:No Change,Valve at minimum position
OMTLTS07	1/11/2022 10:02	36.8	31.0	0.5	31.7	-0.3	-0.3	-34.2	69.8	2.5	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less
OMTLTS07	1/20/2022 12:28	54.7	38.5	0.0	6.8	-0.1	-0.1	-35.7	71.2	7.3	Valve Adjustment:No Change,Valve at minimum position
OMTLTS08	1/11/2022 9:57	0.3	0.9	19.8	79.0	-0.2	-0.4	-4.7	71.1	0.1	Valve Adjustment:NSPS/CAI,Opened valve >1 turn
OMTLTS08	1/11/2022 9:59	1.9	6.7	12.8	78.6	-0.5	-0.4	-12.0	65.6	11.3	Valve Adjustment:Valve at minimum position,Closed valve >1 turn
OMTLTS08	1/20/2022 12:25	14.5	13.6	10.5	61.4	-0.1	-0.1	-29.4	72.2	0.9	Valve Adjustment:No Change,Valve at minimum position;Well Condition:Oxygen HOV 15%
OMTLTS09	1/10/2022 12:57	24.8	25.7	0.1	49.4	-0.2	-0.2	-7.6	74.8	0.3	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less

OMTLTS09	1/20/2022 12:22	18.7	16.6	6.9	57.8	-0.1	-0.1	-29.9	77.1	0.4	Valve Adjustment:No Change,Valve at minimum position;Well Condition:Oxygen HOV 15%
OMTLTS10	1/10/2022 12:54	12.5	22.1	1.4	64.0	-0.2	-0.2	-20.4	70.2	0.1	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less
OMTLTS10	1/20/2022 12:18	33.7	25.7	1.7	38.9	-0.1	-0.1	-33.0	71.6	1.9	Valve Adjustment:No Change,Valve at minimum position
OMTLTS11	1/10/2022 12:38	6.6	12.2	8.8	72.4	-0.3	-0.3	-24.8	74.0	0.2	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less
OMTLTS11	1/20/2022 12:08	28.3	25.7	2.7	43.3	-0.2	-0.2	-34.9	80.3	0.2	Valve Adjustment:No Change,Valve at minimum position
OMTLTS12	1/10/2022 12:29	0.2	1.5	18.8	79.5	-0.3	-0.4	-16.7	69.8	0.1	Valve Adjustment:NSPS/CAI,Opened valve >1 turn,Valve 40% open
OMTLTS12	1/10/2022 12:33	0.2	2.6	17.4	79.8	-10.8	-10.5	-29.9	72.5	8.7	Valve Adjustment:NSPS/CAI,Valve at minimum position,Closed valve >1 turn
OMTLTS12	1/20/2022 12:05	9.9	12.1	10.5	67.5	-0.1	-0.1	-32.6	75.3	0.2	Valve Adjustment:No Change,Valve at minimum position;Well Condition:Oxygen HOV 15%
OMTLTS15	1/10/2022 12:23	33.5	32.0	4.0	30.5	-0.2	-0.2	-36.4	69.4	0.1	Valve Adjustment:No Change,Valve at minimum position
OMTLTS15	1/20/2022 11:51	32.8	33.5	4.2	29.5	-0.2	-0.2	-35.7	77.3	0.4	Valve Adjustment:No Change,Valve at minimum position
OMTLTS16	1/10/2022 12:18	24.7	30.5	0.1	44.7	-0.2	-0.2	-34.3	69.8	2.6	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less
OMTLTS16	1/20/2022 11:47	25.9	32.5	0.2	41.4	-0.2	-0.2	-33.0	74.3	2.5	Valve Adjustment:No Change,Valve at minimum position
OMTLTS17	1/7/2022 10:31	38.8	33.5	0.0	27.7	-0.4	-0.4	-38.5	50.5	0.1	Valve Adjustment:No Change,Valve at minimum position
OMTLTS17	1/20/2022 11:44	29.3	30.4	3.6	36.7	-0.2	-0.2	-34.7	75.4	0.3	Valve Adjustment:No Change,Valve at minimum position
OMTLTS18	1/7/2022 10:35	54.9	40.3	0.1	4.7	-0.8	-0.8	-38.8	62.4	20.0	Valve Adjustment:No Change,Valve 100% open
OMTLTS18	1/20/2022 11:39	51.8	39.1	0.5	8.6	-0.6	-0.6	-34.4	66.6	19.2	Valve Adjustment:No Change,Valve 100% open
OMTLTS19	1/7/2022 10:39	54.5	40.0	1.6	3.9	-0.5	-0.5	-38.5	67.7	20.2	Valve Adjustment:No Change,Valve 100% open
OMTLTS19	1/20/2022 11:36	51.8	38.8	2.6	6.8	-0.5	-0.6	-34.5	70.8	19.1	Valve Adjustment:No Change,Valve 100% open
OMTLTS20	1/7/2022 10:43	50.0	38.3	0.6	11.1	-0.7	-0.7	-38.8	65.8	30.4	Valve Adjustment:No Change,Valve 35% open
OMTLTS20	1/20/2022 11:33	40.0	31.5	1.7	26.8	-0.7	-0.7	-35.2	67.5	28.6	Valve Adjustment:No Change,Valve 30% open
OXEW133B	1/13/2022 9:45	18.8	25.6	0.2	55.4	-6.0	-4.8	-32.8	67.4	147.7	Valve Adjustment:Closed valve 1/2 turn to 1 turn
OXEW133B	1/27/2022 11:47	20.1	27.1	2.9	49.9	-6.7	-6.9	-32.1	69.9	113.6	Valve Adjustment:No Change,Valve at minimum position
OXEW134A	1/13/2022 9:41	51.5	39.9	0.0	8.6	-9.4	-8.6	-35.5	71.0	27.6	Valve Adjustment:No Change
OXEW134A	1/27/2022 11:45	49.8	40.4	0.0	9.8	-10.6	-10.6	-37.4	75.3	0.0	Valve Adjustment:No Change
OXEW134B	1/13/2022 9:38	49.3	40.6	0.1	10.0	-34.2	-33.8	-35.2	62.2	81.0	Valve Adjustment:Closed valve 1/2 turn or less
OXEW134B	1/27/2022 11:42	42.5	38.9	0.0	18.6	-34.9	-34.8	-38.2	65.9	52.9	Valve Adjustment:No Change,Valve at minimum position
OXEW137B	1/11/2022 10:16	58.9	39.9	0.1	1.1	-31.5	-31.9	-31.9	64.1	35.7	Valve Adjustment:No Change,Valve 100% open
OXEW137B	1/20/2022 12:42	56.4	43.3	0.0	0.3	-35.3	-35.8	-36.2	71.5	0.0	Valve Adjustment:No Change,Valve 100% open
OXEW1601	1/4/2022 10:37	58.1	39.3	0.0	2.6	-8.6	-8.9	-37.7	116.7	48.4	Valve Adjustment:Opened valve 1/2 turn or less
OXEW1601	1/25/2022 12:16	50.2	39.4	0.6	9.8	-10.4	-10.2	-37.2	119.2	58.5	Valve Adjustment:Closed valve 1/2 turn or less
OXEW1602	1/12/2022 11:33	58.3	40.5	0.0	1.2	-31.3	-31.3	-32.6	127.0	47.6	Valve Adjustment:No Change,Valve 100% open
OXEW1602	1/24/2022 12:29	58.8	41.2	0.0	0.0	-34.2	-34.3	-35.3	127.4	50.0	Valve Adjustment:No Change,Valve 100% open
OXEW1603	1/4/2022 10:51	58.6	40.1	0.1	1.2	-32.3	-31.9	-34.5	125.8	78.9	Valve Adjustment:No Change,Valve 100% open
OXEW1603	1/4/2022 11:07	58.4	40.1	0.1	1.4	-30.6	-30.8	-34.4	126.0	38.4	Valve Adjustment:No Change,Valve 100% open
OXEW1603	1/25/2022 12:29	56.9	42.7	0.0	0.4	-32.3	-31.9	-33.6	126.3	94.6	Valve Adjustment:No Change,Valve 100% open

OXEW1604	1/4/2022 13:01	57.6	41.6	0.0	0.8	-1.3	-1.4	-31.3	118.2	7.3	Valve Adjustment:Opened valve 1/2 turn or less
OXEW1604	1/24/2022 13:04	57.3	42.7	0.0	0.0	-1.1	-1.3	-30.4	123.2	8.4	Valve Adjustment:Opened valve 1/2 turn or less
OXEW1611	1/11/2022 11:13	59.3	38.1	0.1	2.5	-30.5	-31.0	-31.2	72.0	7.5	Valve Adjustment:No Change,Valve 100% open
OXEW1611	1/25/2022 13:49	59.4	38.6	0.0	2.0	-34.0	-34.0	-33.9	75.3	5.4	Valve Adjustment:No Change,Valve 100% open
OXEW1612	1/12/2022 11:20	57.0	39.8	0.0	3.2	-16.1	-16.2	-32.5	125.1	26.3	Valve Adjustment:Opened valve 1/2 turn or less
OXEW1612	1/24/2022 12:23	56.6	40.6	0.0	2.8	-21.9	-22.4	-36.2	123.8	26.8	Valve Adjustment:Opened valve 1/2 turn or less
OXEW1613	1/4/2022 12:58	57.1	41.9	0.1	0.9	-6.1	-6.1	-34.8	126.1	31.4	Valve Adjustment:Opened valve 1/2 turn or less
OXEW1613	1/24/2022 12:49	55.9	42.5	0.2	1.4	-7.2	-7.3	-33.3	126.8	34.2	Valve Adjustment:Opened valve 1/2 turn or less
OXEW1614	1/4/2022 12:47	57.5	42.1	0.0	0.4	-0.7	-0.7	-36.3	114.3	14.6	Valve Adjustment:Opened valve 1/2 turn or less
OXEW1614	1/25/2022 11:25	50.7	42.2	0.0	7.1	-1.3	-1.3	-37.2	117.0	16.3	Valve Adjustment:Closed valve 1/2 turn or less
OXEW1616	1/4/2022 12:26	57.4	40.4	0.0	2.2	-15.7	-16.4	-34.5	114.5	21.6	Valve Adjustment:Opened valve 1/2 turn or less
OXEW1616	1/24/2022 11:27	54.4	39.6	0.0	6.0	-17.5	-17.5	-34.0	115.5	28.4	Valve Adjustment:Opened valve 1/2 turn or less
OXEW1617	1/10/2022 12:09	53.4	43.2	0.0	3.4	-4.3	-4.3	-34.3	129.6	16.4	Valve Adjustment:No Change,Valve 25% open
OXEW1617	1/25/2022 10:54	52.6	42.9	0.0	4.5	-4.5	-4.5	-37.6	130.0	18.8	Valve Adjustment:No Change,Valve 25% open
OXEW1618	1/4/2022 12:52	57.6	42.0	0.0	0.4	-0.7	-0.7	-36.1	128.3	38.2	Valve Adjustment:Opened valve 1/2 turn or less,Valve 25% open
OXEW1618	1/25/2022 11:18	54.1	42.7	0.0	3.2	-0.9	-0.9	-36.0	128.9	40.4	Valve Adjustment:No Change,Valve 20% open
OXEW1619	1/5/2022 12:44	58.4	39.2	0.2	2.2	-31.0	-31.0	-32.3	121.9	13.1	Valve Adjustment:No Change,Valve 100% open
OXEW1619	1/26/2022 10:54	58.8	41.2	0.0	0.0	-36.3	-36.4	-38.2	122.4	16.1	Valve Adjustment:No Change,Valve 100% open
OXEW1620	1/5/2022 12:32	36.2	27.7	8.6	27.5	-2.3	-1.1	-32.7	86.2	18.1	Valve Adjustment:NSPS/CAI,Closed valve 1/2 turn or less
OXEW1620	1/5/2022 12:34	39.4	28.7	6.4	25.5	-0.8	-0.7	-32.8	86.6	11.3	Valve Adjustment:NSPS/CAI,Closed valve 1/2 turn or less,Valve 20% open
OXEW1620	1/10/2022 13:01	54.4	36.6	0.0	9.0	-6.1	-6.3	-35.2	114.1	9.5	Valve Adjustment:Opened valve 1/2 turn or less,Valve 25% open
OXEW1620	1/26/2022 10:49	46.2	36.3	0.0	17.5	-11.8	-10.2	-37.8	113.6	9.4	Valve Adjustment:Closed valve 1/2 turn or less,Valve 20% open
OXEW1621	1/5/2022 13:16	51.5	39.3	0.0	9.2	-0.1	-0.1	-35.6	98.1	23.4	Valve Adjustment:No Change
OXEW1621	1/27/2022 10:43	55.2	44.8	0.0	0.0	-0.5	-0.5	-37.9	113.7	4.4	Valve Adjustment:Opened valve 1/2 turn or less
OXEW1622	1/5/2022 12:49	51.0	36.1	2.8	10.1	-6.9	-7.1	-32.8	122.1	10.9	Valve Adjustment:No Change
OXEW1622	1/26/2022 11:13	51.3	38.1	2.7	7.9	-8.2	-8.3	-37.9	122.4	12.6	Valve Adjustment:No Change
OXEW1701	1/7/2022 11:31	59.6	40.4	0.0	0.0	-35.0	-35.0	-36.3	117.6	22.0	Valve Adjustment:No Change,Valve 100% open
OXEW1701	1/10/2022 12:31	58.1	41.9	0.0	0.0	-31.4	-30.8	-32.1	119.5	17.2	Valve Adjustment:No Change,Valve 100% open
OXEW1701	1/25/2022 10:26	59.4	40.6	0.0	0.0	-35.0	-35.0	-36.1	119.6	21.2	Valve Adjustment:No Change,Valve 100% open
OXEW1702	1/4/2022 11:56	59.1	40.6	0.0	0.3	-32.0	-31.9	-35.4	122.6	42.9	Valve Adjustment:No Change,Valve 100% open
OXEW1702	1/24/2022 11:59	58.9	41.1	0.0	0.0	-31.8	-31.7	-35.6	123.1	42.9	Valve Adjustment:No Change,Valve 100% open
OXEW1703	1/4/2022 11:49	57.9	41.6	0.0	0.5	-32.9	-32.6	-33.6	126.6	15.0	Valve Adjustment:No Change,Valve 100% open
OXEW1703	1/24/2022 11:53	57.6	42.4	0.0	0.0	-31.7	-31.8	-32.7	127.0	6.7	Valve Adjustment:No Change,Valve 100% open
OXEW1705	1/4/2022 11:30	57.3	40.2	0.1	2.4	-35.2	-35.4	-35.6	78.3	1.9	Valve Adjustment:No Change,Valve 100% open
OXEW1705	1/24/2022 11:02	58.0	41.5	0.0	0.5	-35.8	-35.5	-36.1	94.1	5.9	Valve Adjustment:No Change,Valve 100% open

OXEW1715	1/6/2022 12:50	56.4	43.4	0.0	0.2	-19.7	-18.8	-38.3	59.1	0.4	Valve Adjustment:No Change,Valve 25% open
OXEW1715	1/27/2022 11:06	56.4	41.5	0.2	1.9	-20.3	-20.4	-39.5	60.6	0.5	Valve Adjustment:No Change,Valve 25% open
OXEW1716	1/3/2022 11:35	63.4	35.4	0.0	1.2	-36.8	-36.8	-36.9	49.5	2.7	Valve Adjustment:No Change,Valve 100% open
OXEW1716	1/21/2022 10:51	55.6	41.1	0.1	3.2	-39.6	-39.4	-39.7	73.6	3.9	Valve Adjustment:No Change,Valve 100% open
OXEW1717	1/3/2022 12:32	54.0	41.5	0.4	4.1	-29.1	-29.1	-37.7	107.2	2.8	Valve Adjustment:No Change,Valve 40% open
OXEW1717	1/21/2022 11:03	57.2	38.3	0.4	4.1	-32.7	-34.9	-41.3	104.9	3.0	Valve Adjustment:Opened valve 1/2 turn to 1 turn,Valve 50% open
OXEW1801	1/4/2022 12:32	52.4	38.1	2.1	7.4	-0.9	-0.9	-36.4	86.9	1.3	Valve Adjustment:No Change,Valve 10% open
OXEW1801	1/25/2022 11:14	57.5	42.5	0.0	0.0	-0.7	-0.9	-36.9	95.4	2.1	Valve Adjustment:Opened valve 1/2 turn or less,Valve 10% open
OXEW1804	1/12/2022 11:40	58.4	40.9	0.0	0.7	-31.0	-31.1	-32.6	117.7	12.1	Valve Adjustment:Opened valve 1/2 turn or less,Valve 85% open
OXEW1804	1/24/2022 12:40	57.4	42.4	0.0	0.2	-34.5	-34.5	-35.8	125.0	20.0	Valve Adjustment:Valve 100% open,Opened valve 1/2 turn to 1 turn
OXEW1805	1/12/2022 11:37	57.2	40.8	0.0	2.0	-18.1	-18.2	-33.1	121.0	17.6	Valve Adjustment:Opened valve 1/2 turn or less,Valve 50% open
OXEW1805	1/24/2022 12:35	57.1	41.6	0.3	1.0	-20.8	-20.9	-35.8	123.3	18.9	Valve Adjustment:Opened valve 1/2 turn or less,Valve 50% open
OXEW1806	1/5/2022 13:40	52.3	39.1	0.0	8.6	-0.2	-0.2	-36.2	120.2	12.4	Valve Adjustment:No Change,Valve 15% open
OXEW1806	1/26/2022 11:44	45.4	39.0	0.0	15.6	-0.4	-0.4	-38.4	120.3	13.1	Valve Adjustment:Closed valve 1/2 turn or less,Valve 10% open
OXEW1807	1/4/2022 12:10	56.2	39.2	0.1	4.5	-18.1	-18.4	-41.6	130.0	57.5	Valve Adjustment:Opened valve 1/2 turn or less,Valve 55% open
OXEW1807	1/24/2022 11:37	53.1	39.6	0.5	6.8	-20.5	-20.4	-40.0	131.1	61.3	Valve Adjustment:NSPS/CAI,Closed valve 1/2 turn or less,Valve 50% open
OXEW1807	1/24/2022 11:38	52.8	39.4	0.5	7.3	-21.2	-21.4	-40.1	130.3	55.0	Valve Adjustment:No Change,Valve 50% open
OXEW1808	1/11/2022 11:07	52.4	34.6	2.8	10.2	-31.9	-32.3	-32.7	85.1	6.8	Valve Adjustment:No Change,Valve 100% open
OXEW1808	1/24/2022 10:48	49.4	34.6	4.3	11.7	-35.0	-34.6	-35.4	73.1	1.5	Valve Adjustment:Closed valve 1/2 turn to 1 turn,Valve 75% open
OXEW1809	1/4/2022 10:28	58.8	39.7	0.0	1.5	0.4	0.4	0.1	111.6	14.6	Valve Adjustment:NSPS/CAI,Opened valve 1/2 turn or less
OXEW1809	1/4/2022 10:31	59.2	40.2	0.0	0.6	0.4	0.4	0.1	111.6	10.5	Valve Adjustment:NSPS/CAI,Valve 100% open,Opened valve 1/2 turn or less
OXEW1809	1/10/2022 13:13	58.3	39.2	0.0	2.5	-28.2	-28.3	-31.4	114.1	41.0	Valve Adjustment:No Change,Valve 100% open
OXEW1809	1/25/2022 12:08	55.9	41.8	0.0	2.3	-31.3	-31.4	-35.3	111.0	44.8	Valve Adjustment:No Change,Valve 100% open
OXEW1810	1/7/2022 12:18	54.5	38.4	0.0	7.1	-25.3	-25.2	-39.1	60.4	2.7	Valve Adjustment:No Change,Valve at minimum position
OXEW1810	1/21/2022 9:25	56.5	36.5	0.7	6.3	-29.4	-29.7	-39.5	64.2	2.3	Valve Adjustment:Opened valve 1/2 turn or less,Valve 5% open
OXEW1811	1/10/2022 11:45	53.5	39.1	1.6	5.8	-20.5	-20.6	-35.2	66.9	9.6	Valve Adjustment:No Change,Valve 30% open
OXEW1811	1/25/2022 11:41	53.2	39.5	1.8	5.5	-17.4	-17.4	-37.7	70.1	11.4	Valve Adjustment:No Change,Valve 30% open
OXEW1812	1/10/2022 13:01	53.4	41.9	0.0	4.7	-19.1	-19.1	-35.0	126.0	35.7	Valve Adjustment:No Change,Valve 40% open
OXEW1812	1/27/2022 12:16	52.8	41.8	0.0	5.4	-20.6	-20.6	-37.7	126.1	38.3	Valve Adjustment:No Change,Valve 40% open
OXEW1813	1/4/2022 12:20	58.4	40.6	0.1	0.9	-37.1	-37.1	-37.3	110.0	6.3	Valve Adjustment:No Change,Valve 100% open
OXEW1813	1/24/2022 11:32	58.6	40.6	0.0	0.8	-36.2	-36.2	-37.0	114.8	7.5	Valve Adjustment:No Change,Valve 100% open
OXEW1815	1/5/2022 14:01	57.6	37.7	0.0	4.7	-6.1	-6.1	-37.8	125.8	25.4	Valve Adjustment:Opened valve 1/2 turn or less,Valve 35% open
OXEW1815	1/26/2022 12:09	51.8	37.8	0.0	10.4	-8.7	-8.7	-40.1	125.9	27.6	Valve Adjustment:No Change,Valve 35% open
OXEW1816	1/4/2022 12:01	59.6	39.9	0.0	0.5	-18.4	-18.6	-38.2	115.6	106.1	Valve Adjustment:No Change,Valve 100% open
OXEW1816	1/24/2022 12:04	59.3	40.4	0.0	0.3	-18.3	-18.3	-37.6	116.3	104.8	Valve Adjustment:No Change,Valve 100% open

OXEW1817	1/11/2022 10:58	58.8	38.2	0.1	2.9	-31.3	-31.0	-32.3	106.2	10.4	Valve Adjustment:No Change,Valve 100% open
OXEW1817	1/25/2022 13:36	59.2	38.5	0.1	2.2	-34.3	-34.4	-35.1	106.3	10.8	Valve Adjustment:No Change,Valve 100% open
OXEW1821	1/7/2022 13:00	37.9	26.7	0.0	35.4	-0.3	-0.2	-39.1	50.0	0.3	Valve Adjustment:No Change,Valve at minimum position
OXEW1821	1/21/2022 10:16	38.0	25.4	0.0	36.6	-0.3	-0.3	-39.1	66.7	0.1	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less
OXEW1822	1/7/2022 13:02	41.1	27.9	0.0	31.0	-0.1	-0.1	-39.0	50.5	0.9	Valve Adjustment:No Change,Valve at minimum position
OXEW1822	1/21/2022 10:20	41.5	28.0	0.6	29.9	-0.1	-0.1	-39.4	63.3	0.2	Valve Adjustment:No Change,Valve at minimum position
OXEW1823	1/7/2022 13:10	35.7	31.4	0.0	32.9	-0.1	-0.1	-39.1	49.1	0.3	Valve Adjustment:No Change,Valve at minimum position
OXEW1823	1/21/2022 10:24	25.4	28.2	0.1	46.3	-0.2	-0.2	-39.4	63.1	0.1	Valve Adjustment:No Change,Valve at minimum position
OXEW1824	1/7/2022 12:23	63.1	35.6	0.0	1.3	-38.8	-38.8	-39.1	51.4	1.7	Valve Adjustment:No Change,Valve 100% open
OXEW1824	1/21/2022 9:35	63.4	33.9	0.3	2.4	-38.5	-38.6	-38.9	61.7	2.8	Valve Adjustment:No Change,Valve 100% open
OXEW1825	1/7/2022 11:58	48.2	35.5	0.0	16.3	-2.9	-2.9	-39.3	53.8	2.3	Valve Adjustment:No Change,Valve at minimum position
OXEW1825	1/21/2022 10:41	51.3	34.4	0.4	13.9	-3.4	-3.3	-39.2	65.8	0.5	Valve Adjustment:No Change,Valve at minimum position
OXEW1826	1/12/2022 11:01	54.3	37.4	0.0	8.3	-6.0	-6.1	-34.4	81.6	7.8	Valve Adjustment:Opened valve 1/2 turn or less,Valve 10% open
OXEW1826	1/20/2022 13:54	50.7	39.4	0.0	9.9	-5.8	-5.8	-37.8	83.1	8.2	Valve Adjustment:No Change,Valve 5% open
OXEW1901	1/5/2022 12:22	58.4	38.9	0.2	2.5	-32.9	-32.7	-33.4	59.4	4.9	Valve Adjustment:No Change,Valve 100% open
OXEW1901	1/26/2022 10:41	57.7	41.8	0.1	0.4	-37.8	-37.6	-38.4	64.7	5.8	Valve Adjustment:No Change,Valve 100% open
OXEW1902	1/4/2022 11:52	57.9	41.4	0.1	0.6	-34.8	-35.0	-35.4	58.5	16.1	Valve Adjustment:No Change,Valve 100% open
OXEW1902	1/24/2022 11:57	56.5	40.6	0.3	2.6	-34.9	-34.9	-35.4	67.8	4.8	Valve Adjustment:No Change,Valve 100% open
OXEW1904	1/4/2022 11:46	56.8	39.1	0.0	4.1	-13.6	-13.8	-36.5	94.6	38.3	Valve Adjustment:Opened valve 1/2 turn or less,Valve 55% open
OXEW1904	1/24/2022 11:48	52.8	39.3	0.0	7.9	-13.6	-13.6	-37.6	113.1	41.1	Valve Adjustment:No Change,Valve 50% open
OXEW1908	1/11/2022 11:23	59.6	38.0	0.1	2.3	-26.6	-26.6	-30.5	108.1	23.8	Valve Adjustment:No Change,Valve 100% open
OXEW1908	1/26/2022 13:28	59.8	39.5	0.1	0.6	-28.4	-28.4	-33.1	111.4	19.2	Valve Adjustment:No Change,Valve 100% open
OXEW1909	1/12/2022 9:33	59.4	37.8	0.0	2.8	-31.0	-31.0	-31.6	86.1	6.0	Valve Adjustment:No Change,Valve 100% open
OXEW1909	1/26/2022 13:26	59.7	39.5	0.0	0.8	-34.7	-34.7	-34.9	79.3	5.3	Valve Adjustment:No Change,Valve 100% open
OXEW1910	1/12/2022 9:46	58.6	40.6	0.0	0.8	-23.6	-23.6	-32.5	112.8	27.4	Valve Adjustment:No Change,Valve 100% open
OXEW1910	1/27/2022 11:47	57.7	38.2	0.0	4.1	-27.0	-27.0	-36.3	113.4	11.2	Valve Adjustment:No Change,Valve 100% open
OXEW1911	1/12/2022 11:29	57.0	39.5	0.4	3.1	-22.2	-22.3	-34.7	127.5	13.3	Valve Adjustment:Opened valve 1/2 turn or less,Valve 35% open
OXEW1911	1/24/2022 12:25	59.2	40.3	0.5	0.0	-23.0	-23.4	-37.8	129.2	13.4	Valve Adjustment:Opened valve 1/2 turn or less,Valve 35% open
OXEW1912	1/4/2022 10:42	58.7	39.9	0.0	1.4	-21.3	-21.5	-39.1	118.1	30.9	Valve Adjustment:Opened valve 1/2 turn or less,Valve 40% open
OXEW1912	1/25/2022 12:22	55.6	42.3	0.0	2.1	-20.8	-21.0	-39.8	121.0	36.3	Valve Adjustment:Opened valve 1/2 turn or less,Valve 45% open
OXEW1913	1/10/2022 13:09	57.4	42.6	0.0	0.0	-10.6	-13.0	-35.4	95.5	13.1	Valve Adjustment:Opened valve 10% or less,Valve 25% open
OXEW1913	1/27/2022 13:33	56.5	43.5	0.0	0.0	-17.9	-17.8	-37.9	95.9	19.0	Valve Adjustment:No Change,Valve 25% open
OXEW1914	1/10/2022 11:19	59.7	38.8	0.0	1.5	-35.3	-35.2	-35.4	102.9	2.4	Valve Adjustment:No Change,Valve 100% open
OXEW1914	1/25/2022 12:05	57.5	42.5	0.0	0.0	-38.4	-38.6	-39.1	103.7	5.7	Valve Adjustment:No Change,Valve 100% open
OXEW1915	1/3/2022 12:18	56.9	42.1	0.0	1.0	-2.5	-2.5	-37.5	50.2	7.0	Valve Adjustment:No Change,Valve at minimum position

OXEW1915	1/21/2022 12:23	57.3	37.9	0.1	4.7	-3.1	-3.9	-41.1	60.4	7.1	Valve Adjustment:Opened valve 1/2 turn or less,Valve 5% open
OXEW1916	1/6/2022 11:30	31.2	19.2	10.4	39.2	-39.5	-39.2	-39.1	61.0	0.8	Valve Adjustment:NSPS/CAI,Valve at minimum position,Closed valve >10%
OXEW1916	1/6/2022 11:32	49.3	27.5	4.7	18.5	-39.6	-39.6	-38.8	59.7	0.4	Valve Adjustment:No Change,Valve at minimum position
OXEW1916	1/6/2022 11:34	51.5	29.1	4.0	15.4	-39.4	-39.3	-38.9	59.4	0.4	Valve Adjustment:No Change,Valve at minimum position
OXEW1916	1/21/2022 11:59	44.7	23.6	4.5	27.2	-39.1	-39.1	-39.0	71.0	0.7	Valve Adjustment:Closed valve 1/2 turn or less,Valve 5% open
OXEW1917	1/6/2022 12:11	56.8	43.2	0.0	0.0	-17.8	-17.7	-37.9	68.4	2.8	Valve Adjustment:No Change,Valve at minimum position
OXEW1917	1/27/2022 10:22	58.3	41.0	0.0	0.7	-15.5	-15.5	-40.8	73.2	2.6	Valve Adjustment:No Change,Valve at minimum position
OXEW1918	1/7/2022 12:20	43.6	32.8	0.0	23.6	-0.1	-0.1	-38.5	50.7	2.6	Valve Adjustment:No Change,Valve at minimum position
OXEW1918	1/21/2022 9:28	28.8	29.2	0.0	42.0	-0.1	-0.1	-40.0	65.7	0.6	Valve Adjustment:No Change,Valve at minimum position
OXEW1919	1/7/2022 13:06	60.0	39.8	0.0	0.2	-0.2	-0.1	-39.0	49.5	10.4	Valve Adjustment:No Change,Valve at minimum position
OXEW1919	1/21/2022 9:49	50.6	36.9	0.2	12.3	-0.2	-0.2	-39.4	66.2	1.6	Valve Adjustment:No Change,Valve at minimum position
OXEW1920	1/7/2022 12:59	44.0	27.5	0.0	28.5	-0.1	-0.1	-39.1	50.7	0.8	Valve Adjustment:No Change,Valve at minimum position
OXEW1920	1/21/2022 9:54	37.7	29.1	2.8	30.4	-0.3	-0.3	-39.5	62.4	0.3	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less
OXEW1921	1/7/2022 12:04	52.9	42.0	0.5	4.6	-36.2	-36.2	-39.4	111.7	27.5	Valve Adjustment:No Change,Valve 75% open
OXEW1921	1/21/2022 10:45	55.5	37.5	0.7	6.3	-36.6	-36.7	-39.6	109.1	29.1	Valve Adjustment:Opened valve 1/2 turn or less,Valve 75% open
OXEW2001	1/6/2022 11:50	54.8	44.9	0.0	0.3	1.3	-0.1	-32.0	126.6	10.8	Valve Adjustment:NSPS/CAI,Opened valve >10% ,Valve 20% open
OXEW2001	1/6/2022 11:52	54.5	45.5	0.0	0.0	-0.5	-0.5	-35.6	129.4	16.3	Valve Adjustment:No Change,Valve 20% open
OXEW2001	1/21/2022 11:38	49.8	38.4	0.0	11.8	-1.8	-1.8	-35.7	128.7	15.9	Valve Adjustment:Closed valve 1/2 turn or less,Valve 20% open
OXEW2002	1/3/2022 11:47	55.6	42.3	0.0	2.1	-32.9	-32.9	-38.8	114.6	27.0	Valve Adjustment:No Change,Valve 55% open
OXEW2002	1/21/2022 11:12	57.4	40.2	0.0	2.4	-35.7	-35.9	-41.8	116.6	31.4	Valve Adjustment:Opened valve 1/2 turn or less,Valve 60% open
OXEW2003	1/3/2022 11:43	55.9	42.4	0.0	1.7	-37.6	-37.7	-37.9	118.9	4.0	Valve Adjustment:No Change,Valve 100% open
OXEW2003	1/21/2022 11:06	56.5	39.1	0.1	4.3	-41.4	-41.4	-41.5	114.6	3.7	Valve Adjustment:No Change,Valve 100% open
OXEW2004	1/3/2022 11:37	58.6	38.7	0.0	2.7	-28.7	-28.7	-40.2	129.9	50.7	Valve Adjustment:No Change,Valve 60% open
OXEW2004	1/21/2022 10:55	56.8	40.8	0.0	2.4	-33.4	-33.5	-43.8	129.0	47.2	Valve Adjustment:Opened valve 1/2 turn or less,Valve 70% open
OXEW2005	1/7/2022 12:01	55.5	43.5	0.0	1.0	-2.6	-2.6	-39.2	116.2	4.8	Valve Adjustment:No Change,Valve 20% open
OXEW2005	1/21/2022 10:48	56.1	39.9	0.1	3.9	-3.0	-3.0	-39.9	116.9	3.0	Valve Adjustment:Opened valve 1/2 turn or less,Valve 25% open
OXEW2006	1/7/2022 13:13	65.9	33.5	0.0	0.6	0.4	-7.2	-38.4	49.5	0.5	Valve Adjustment:NSPS/CAI,Opened valve 10% or less,Valve 5% open
OXEW2006	1/7/2022 13:15	56.0	27.1	3.6	13.3	-22.5	-17.8	-38.4	56.7	5.1	Valve Adjustment:Valve at minimum position,Closed valve 10% or less
OXEW2006	1/21/2022 9:45	53.5	29.9	3.1	13.5	0.0	-0.1	-39.3	60.2	0.3	Valve Adjustment:NSPS/CAI,Opened valve 1/2 turn or less,Valve 5% open
OXEW2006	1/21/2022 9:48	53.5	29.8	4.6	12.1	-9.6	-9.8	-37.8	62.0	9.6	Valve Adjustment:No Change,Valve 5% open
OXEW2007	1/7/2022 13:20	58.9	40.3	0.1	0.7	-36.9	-36.9	-39.2	111.4	8.1	Valve Adjustment:No Change,Valve 100% open
OXEW2007	1/21/2022 9:40	58.8	40.5	0.1	0.6	-37.5	-37.7	-39.2	109.4	26.5	Valve Adjustment:No Change,Valve 100% open
OXEW2008	1/7/2022 12:53	62.5	32.8	0.1	4.6	-38.9	-39.0	-39.3	53.2	3.5	Valve Adjustment:No Change,Valve 100% open
OXEW2008	1/21/2022 10:11	63.9	32.3	0.7	3.1	-39.1	-39.1	-39.5	63.4	2.7	Valve Adjustment:No Change,Valve 100% open
OXEW2009	1/6/2022 12:06	54.9	44.8	0.0	0.3	-39.2	-39.3	-38.9	98.8	4.8	Valve Adjustment:No Change,Valve 100% open

OXEW2009	1/27/2022 10:17	55.3	42.6	0.3	1.8	-39.8	-39.8	-39.9	98.4	7.0	Valve Adjustment:No Change,Valve 100% open
OXEW2010	1/6/2022 12:14	56.3	43.7	0.0	0.0	-22.5	-22.8	-38.9	67.8	2.7	Valve Adjustment:No Change,Valve at minimum position
OXEW2010	1/27/2022 10:24	57.5	41.0	0.0	1.5	-18.9	-18.9	-40.5	72.2	2.8	Valve Adjustment:No Change,Valve at minimum position
OXEW2011	1/6/2022 11:39	54.8	42.4	0.0	2.8	-5.9	-5.9	-38.8	99.0	10.5	Valve Adjustment:No Change,Valve 10% open
OXEW2011	1/21/2022 11:50	55.9	39.6	0.0	4.5	-3.8	-3.8	-40.1	102.4	10.6	Valve Adjustment:Opened valve 1/2 turn or less,Valve 15% open
OXEW2012	1/3/2022 11:58	55.0	41.3	0.4	3.3	-30.8	-30.8	-39.1	101.6	21.3	Valve Adjustment:No Change,Valve 45% open
OXEW2012	1/21/2022 11:24	54.6	38.7	0.6	6.1	-34.5	-34.7	-43.0	107.6	20.8	Valve Adjustment:Opened valve 1/2 turn or less,Valve 45% open
OXEW2016	1/4/2022 11:13	57.1	40.6	0.3	2.0	-21.7	-21.8	-37.7	130.0	35.7	Valve Adjustment:Opened valve 1/2 turn or less,Valve 45% open
OXEW2016	1/25/2022 12:39	55.4	43.1	0.4	1.1	-21.1	-20.2	-38.2	131.7	37.8	Valve Adjustment:NSPS/CAI,Closed valve 1/2 turn to 1 turn,Valve 40% open
OXEW2016	1/25/2022 12:43	55.4	43.1	0.4	1.1	-20.2	-20.2	-37.2	130.3	34.9	Valve Adjustment:No Change,Valve 40% open
OXEW2017	1/4/2022 11:02	48.3	36.7	2.1	12.9	-1.5	-1.5	-37.5	119.1	4.4	Valve Adjustment:Closed valve 1/2 turn or less,Valve 20% open
OXEW2017	1/25/2022 12:36	52.9	40.9	1.3	4.9	-0.4	-0.4	-36.7	118.7	6.2	Valve Adjustment:No Change,Valve 15% open
OXEW2019	1/12/2022 8:51	59.4	38.4	0.0	2.2	-9.6	-9.4	-31.0	96.3	64.5	Valve Adjustment:No Change,Valve 100% open
OXEW2019	1/28/2022 10:00	57.0	40.5	0.0	2.5	-12.5	-12.5	-32.2	95.9	62.2	Valve Adjustment:No Change,Valve 100% open
OXEW2020	1/5/2022 13:57	59.6	38.9	0.0	1.5	-4.9	-4.9	-36.9	129.9	10.3	Valve Adjustment:Opened valve 1/2 turn or less,Valve 15% open
OXEW2020	1/26/2022 12:03	59.2	40.8	0.0	0.0	-6.6	-6.1	-38.7	131.3	11.1	Valve Adjustment:NSPS/CAI,Closed valve 1/2 turn to 1 turn,Valve 10% open
OXEW2020	1/26/2022 12:07	59.2	40.7	0.0	0.1	-5.8	-5.7	-39.1	130.3	10.2	Valve Adjustment:No Change,Valve 10% open
OXEW2021	1/5/2022 14:13	59.4	36.8	0.0	3.8	-4.4	-4.8	-36.9	91.0	2.7	Valve Adjustment:Opened valve 1/2 turn or less,Valve 25% open
OXEW2021	1/26/2022 12:19	55.5	37.5	0.0	7.0	-5.1	-5.9	-39.2	94.9	2.9	Valve Adjustment:Opened valve 1/2 turn or less,Valve 25% open
OXEW2022	1/10/2022 12:26	57.7	42.3	0.0	0.0	-11.3	-11.3	-35.8	126.7	23.4	Valve Adjustment:No Change,Valve 30% open
OXEW2022	1/25/2022 10:30	58.3	41.7	0.0	0.0	-11.9	-12.7	-39.7	128.7	24.3	Valve Adjustment:Opened valve 1/2 turn or less,Valve 35% open
OXEW2023	1/4/2022 11:40	58.5	39.9	0.1	1.5	-32.2	-31.8	-35.2	121.8	31.3	Valve Adjustment:No Change,Valve 100% open
OXEW2023	1/24/2022 10:49	58.9	40.5	0.0	0.6	-32.4	-32.4	-35.1	122.6	33.6	Valve Adjustment:No Change,Valve 100% open
OXEW2024	1/11/2022 10:53	57.0	38.1	0.0	4.9	-4.7	-4.9	-32.9	112.5	60.4	Valve Adjustment:Opened valve 1/2 turn or less,Valve 50% open
OXEW2024	1/25/2022 13:33	49.7	35.1	2.1	13.1	-5.7	-4.9	-38.5	111.3	67.7	Valve Adjustment:Closed valve 1/2 turn or less,Valve 45% open
OXEW2025	1/13/2022 10:26	59.3	40.7	0.0	0.0	-3.4	-3.4	-4.1	101.6	27.7	Valve Adjustment:No Change,Valve 100% open
OXEW2025	1/28/2022 10:08	57.3	39.8	0.0	2.9	-25.7	-25.7	-32.8	98.1	64.2	Valve Adjustment:No Change,Valve 100% open
OXEW2026	1/12/2022 12:25	59.0	39.6	0.0	1.4	-22.4	-22.4	-35.2	96.4	89.6	Valve Adjustment:No Change,Valve 100% open
OXEW2026	1/26/2022 13:12	59.4	39.2	0.0	1.4	-24.9	-24.9	-39.9	97.1	97.2	Valve Adjustment:No Change,Valve 100% open
OXEW2027	1/12/2022 9:38	55.1	35.1	1.7	8.1	-30.3	-31.4	-30.6	58.6	13.2	Valve Adjustment:No Change,Valve 30% open
OXEW2027	1/28/2022 10:17	50.0	34.3	4.1	11.6	-34.5	-34.9	-34.7	59.0	9.2	Valve Adjustment:Closed valve 1/2 turn to 1 turn,Valve 20% open
OXEW2028	1/12/2022 12:29	39.2	29.3	4.9	26.6	-34.2	-31.7	-34.0	66.5	5.1	Valve Adjustment:Closed valve >1 turn,Valve 60% open
OXEW2028	1/26/2022 13:17	60.0	37.7	0.4	1.9	-38.4	-38.4	-38.6	69.6	4.9	Valve Adjustment:No Change,Valve 100% open
OXEW2029	1/10/2022 12:22	56.5	41.0	0.2	2.3	-9.2	-9.2	-36.5	120.6	35.0	Valve Adjustment:No Change,Valve 50% open
OXEW2029	1/25/2022 10:37	55.0	40.6	0.1	4.3	-9.5	-9.6	-40.1	120.6	37.1	Valve Adjustment:Opened valve 1/2 turn or less,Valve 55% open

OXEW2030	1/4/2022 11:26	58.4	40.6	0.1	0.9	-31.6	-31.6	-34.7	124.9	34.9	Valve Adjustment:No Change,Valve 100% open
OXEW2030	1/24/2022 11:06	57.8	41.0	0.0	1.2	-31.0	-31.1	-34.0	125.2	34.0	Valve Adjustment:No Change,Valve 100% open
OXEW2031	1/4/2022 11:20	58.3	40.6	0.2	0.9	-27.2	-27.3	-36.7	125.7	33.0	Valve Adjustment:No Change,Valve 100% open
OXEW2031	1/24/2022 11:21	57.0	41.4	0.1	1.5	-27.4	-27.4	-36.7	126.0	33.1	Valve Adjustment:No Change,Valve 100% open
OXEW2031	1/25/2022 12:53	55.8	42.9	0.0	1.3	-27.1	-27.0	-36.5	126.2	33.7	Valve Adjustment:No Change,Valve 100% open
OXEW2101	1/5/2022 13:35	55.3	39.7	0.0	5.0	-1.4	-1.5	-36.7	124.0	14.8	Valve Adjustment:Opened valve 1/2 turn or less,Valve 20% open
OXEW2101	1/26/2022 11:41	50.1	39.6	0.0	10.3	-0.8	-0.8	-38.4	124.7	15.8	Valve Adjustment:Closed valve 1/2 turn or less,Valve 20% open
OXEW2102	1/11/2022 11:16	59.4	38.2	0.1	2.3	-29.3	-29.3	-31.3	89.7	27.4	Valve Adjustment:No Change,Valve 100% open
OXEW2102	1/25/2022 13:45	59.6	38.5	0.0	1.9	-31.7	-31.8	-34.1	97.1	34.4	Valve Adjustment:No Change,Valve 100% open
OXEW2103	1/11/2022 11:09	58.9	38.0	0.0	3.1	-5.0	-5.3	-33.5	100.6	51.7	Valve Adjustment:Opened valve 1/2 turn or less,Valve 50% open
OXEW2103	1/25/2022 13:40	57.8	38.2	0.0	4.0	-7.6	-8.0	-37.8	99.9	61.8	Valve Adjustment:Opened valve 1/2 turn or less,Valve 50% open
OXEW2104	1/11/2022 10:44	57.9	39.5	0.0	2.6	-15.5	-15.2	-35.9	113.6	95.5	Valve Adjustment:No Change,Valve 100% open
OXEW2104	1/25/2022 13:27	57.6	39.5	0.0	2.9	-17.6	-17.6	-14.6	113.1	101.2	Valve Adjustment:No Change,Valve 100% open
OXEW2105	1/12/2022 9:40	58.4	39.2	0.2	2.2	-6.9	-8.1	-33.1	107.5	53.9	Valve Adjustment:Opened valve 1/2 turn to 1 turn,Valve 75% open
OXEW2105	1/26/2022 13:33	59.5	39.2	0.0	1.3	-9.1	-9.3	-32.8	108.0	66.4	Valve Adjustment:Valve 100% open,Opened valve 1/2 turn to 1 turn
OXEW2106	1/4/2022 10:33	58.6	40.2	0.1	1.1	-24.3	-24.3	-26.3	111.5	20.6	Valve Adjustment:No Change,Valve 100% open
OXEW2106	1/25/2022 12:11	55.9	41.8	0.0	2.3	-23.9	-23.9	-25.9	114.7	20.2	Valve Adjustment:No Change,Valve 100% open
OXEW2107	1/6/2022 11:55	54.4	45.6	0.0	0.0	-15.9	-15.9	-24.7	114.1	7.0	Valve Adjustment:No Change,Valve 20% open
OXEW2107	1/21/2022 11:33	56.5	41.3	0.0	2.2	-19.0	-19.3	-28.5	116.2	4.9	Valve Adjustment:Opened valve 1/2 turn or less,Valve 30% open
OXEW2108	1/3/2022 11:50	56.3	41.7	0.0	2.0	-11.3	-11.3	-37.5	110.8	20.5	Valve Adjustment:No Change,Valve 25% open
OXEW2108	1/21/2022 11:16	56.7	40.2	0.0	3.1	-16.7	-16.8	-41.9	115.8	19.5	Valve Adjustment:Opened valve 1/2 turn or less,Valve 30% open
OXEW2109	1/6/2022 11:42	49.6	41.0	0.0	9.4	-18.8	-18.7	-40.6	66.2	2.1	Valve Adjustment:No Change,Valve at minimum position
OXEW2109	1/21/2022 11:46	47.3	35.4	0.0	17.3	-18.8	-18.3	-41.2	72.0	2.2	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less
OXEW2110	1/4/2022 11:39	59.0	40.2	0.0	0.8	-26.6	-26.6	-28.3	96.8	27.0	Valve Adjustment:No Change,Valve 100% open
OXEW2110	1/24/2022 10:55	59.4	40.1	0.0	0.5	-26.6	-26.6	-28.8	103.1	27.3	Valve Adjustment:No Change,Valve 100% open
OXEW2111	1/6/2022 13:35	56.6	43.4	0.0	0.0	-5.0	-5.0	-41.4	99.3	104.1	Valve Adjustment:No Change,Valve 65% open
OXEW2111	1/10/2022 11:01	59.1	37.6	0.0	3.3	-4.7	-4.9	-40.4	98.8	100.9	Valve Adjustment:Opened valve 1/2 turn to 1 turn,Valve 70% open
OXEW2111	1/28/2022 9:57	56.9	42.9	0.1	0.1	-4.8	-5.1	-42.3	97.7	93.4	Valve Adjustment:Opened valve 1/2 turn to 1 turn,Valve 65% open
OXEW2112	1/6/2022 13:21	58.1	41.9	0.0	0.0	-5.5	-5.1	-6.9	100.8	14.5	Valve Adjustment:No Change,Valve 100% open
OXEW2112	1/27/2022 12:18	56.5	40.2	0.0	3.3	-28.9	-29.1	-37.0	99.1	6.8	Valve Adjustment:No Change,Valve 100% open
OXEW2113	1/12/2022 9:52	56.1	38.1	0.0	5.8	-26.1	-26.3	-36.7	120.2	43.8	Valve Adjustment:Opened valve 1/2 turn or less,Valve 60% open
OXEW2113	1/27/2022 11:51	55.0	36.9	0.0	8.1	-29.6	-29.8	-39.8	120.2	48.6	Valve Adjustment:Opened valve 1/2 turn or less,Valve 60% open
OXEWHC6A	1/3/2022 12:24	56.6	42.5	0.0	0.9	-0.2	-0.1	-37.9	49.7	1.8	Valve Adjustment:No Change,Valve at minimum position
OXEWHC6A	1/21/2022 12:29	56.7	40.8	0.0	2.5	-0.4	-0.4	-41.1	69.8	3.0	Valve Adjustment:Valve at minimum position,Opened valve 1/2 turn or less
OXHC1922	1/12/2022 9:50	53.1	36.0	1.9	9.0	-0.6	-0.6	-32.7	59.3	15.7	Valve Adjustment:No Change,Valve 35% open

OXHC1922	1/27/2022 11:50	49.2	33.8	2.6	14.4	-0.5	-0.5	-36.0	71.3	16.4	Valve Adjustment:Closed valve 1/2 turn or less,Valve 35% open
OXHC2000	1/12/2022 13:11	59.7	38.9	0.0	1.4	-7.3	-12.0	-33.0	75.2	25.2	Valve Adjustment:Opened valve 1/2 turn or less,Valve 45% open
OXHC2000	1/27/2022 9:40	59.6	39.6	0.0	0.8	-10.0	-21.2	-39.1	65.3	27.0	Valve Adjustment:Opened valve 1/2 turn to 1 turn,Valve 55% open
OXHC2001	1/12/2022 13:09	61.0	38.2	0.1	0.7	-8.1	-9.2	-39.1	66.9	57.9	Valve Adjustment:Opened valve 1/2 turn to 1 turn,Valve 50% open
OXHC2001	1/27/2022 9:35	42.7	28.8	6.5	22.0	-9.8	-6.6	-49.1	64.0	80.1	Valve Adjustment:NSPS/CAI,Closed valve 1/2 turn to 1 turn,Valve 30% open
OXHC2001	1/27/2022 9:37	42.8	28.7	6.5	22.0	-5.4	-4.8	-41.2	65.0	27.4	Valve Adjustment:NSPS/CAI,Closed valve >1 turn,Valve 20% open
OXHC2013	1/6/2022 12:46	57.4	42.6	0.0	0.0	0.7	-0.1	-38.0	60.8	9.1	Valve Adjustment:NSPS/CAI,Opened valve >10% ,Valve 35% open
OXHC2013	1/6/2022 12:47	57.1	42.9	0.0	0.0	-0.2	-0.2	-39.3	58.9	35.5	Valve Adjustment:No Change,Valve 35% open
OXHC2013	1/27/2022 11:02	27.3	29.1	3.5	40.1	-2.2	-1.7	-41.2	69.0	29.9	Valve Adjustment:Valve at minimum position,Closed valve >1 turn
OXHC2013	1/27/2022 11:04	26.7	28.7	3.6	41.0	-1.6	-1.6	-39.4	68.7	6.5	Valve Adjustment:No Change,Valve at minimum position
OXHC2014	1/6/2022 13:23	57.2	42.8	0.0	0.0	-0.1	-0.2	-7.2	75.7	17.3	Valve Adjustment:No Change,Valve 45% open
OXHC2014	1/12/2022 9:57	59.4	38.8	0.0	1.8	-0.1	-0.3	-0.1	56.9	3.2	Valve Adjustment:Opened valve 1/2 turn to 1 turn,Valve 65% open
OXHC2014	1/27/2022 11:55	58.4	37.8	0.0	3.8	-2.4	-2.6	-36.3	76.4	25.1	Valve Adjustment:Opened valve 1/2 turn to 1 turn,Valve 35% open
OXHC2015	1/11/2022 9:10	58.6	40.4	0.0	1.0	-0.3	-0.4	-28.6	57.0	40.8	Valve Adjustment:Opened valve 1/2 turn or less,Valve 45% open
OXHC2015	1/21/2022 9:10	53.9	39.4	0.1	6.6	-2.6	-2.7	-44.4	57.7	52.3	Valve Adjustment:Opened valve 1/2 turn or less,Valve 40% open
OXHC2101	1/12/2022 12:45	49.2	35.8	2.4	12.6	-0.7	-0.4	-31.6	85.9	13.0	Valve Adjustment:Closed valve 1/2 turn or less,Valve 25% open
OXHC2101	1/27/2022 9:55	40.8	32.6	3.9	22.7	-1.5	-0.9	-37.2	98.0	21.1	Valve Adjustment:Closed valve 1/2 turn or less,Valve 20% open
OXLCR4A1	1/11/2022 9:15	54.0	38.4	0.1	7.5	-19.2	-24.6	-32.7	60.3	42.3	Valve Adjustment:Opened valve 1/2 turn or less,Valve 55% open
OXLCR4A1	1/21/2022 9:17	50.7	37.7	0.4	11.2	-42.1	-34.2	-44.0	61.8	30.6	Valve Adjustment:Closed valve 1/2 turn or less,Valve 50% open
OXLCR4B1	1/11/2022 9:22	48.8	37.1	1.4	12.7	-1.4	-1.3	-37.5	55.7	15.2	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less
OXLCR4B1	1/21/2022 9:15	46.5	36.3	1.8	15.4	-1.6	-1.4	-43.4	57.5	7.9	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less
OXLCRS07	1/12/2022 13:03	60.8	37.9	0.1	1.2	-16.0	-15.7	-35.6	83.7	109.2	Valve Adjustment:No Change,Valve 100% open
OXLCRS07	1/27/2022 9:25	59.0	37.2	0.5	3.3	-17.3	-17.3	-40.2	83.9	118.4	Valve Adjustment:No Change,Valve 100% open
OXLCRS10	1/12/2022 12:52	60.1	38.5	0.1	1.3	-5.4	-6.3	-33.0	80.5	16.9	Valve Adjustment:Opened valve 1/2 turn to 1 turn,Valve 60% open
OXLCRS10	1/27/2022 9:48	46.9	31.5	4.9	16.7	-5.1	-4.8	-36.4	79.7	25.5	Valve Adjustment:Closed valve 1/2 turn or less,Valve 45% open
OXLCRS11	1/12/2022 12:57	47.4	34.4	3.4	14.8	-4.2	-4.0	-33.2	80.3	38.8	Valve Adjustment:Closed valve 1/2 turn or less,Valve 85% open
OXLCRS11	1/27/2022 9:49	33.7	26.6	8.1	31.6	-4.8	-4.6	-39.4	79.8	38.8	Valve Adjustment:NSPS/CAI,Closed valve 1/2 turn or less
OXLCRS11	1/27/2022 9:51	32.9	25.8	8.2	33.1	-4.4	-4.3	-40.5	80.4	36.9	Valve Adjustment:NSPS/CAI,Closed valve 1/2 turn or less,Valve 65% open
OXLCRS3A	1/11/2022 10:07	58.7	39.8	0.1	1.4	-28.3	-27.0	-32.7	92.5	122.5	Valve Adjustment:No Change,Valve 100% open
OXLCRS3A	1/20/2022 12:36	57.1	42.9	0.0	0.0	-31.6	-31.3	-35.3	93.5	108.5	Valve Adjustment:No Change,Valve 100% open
OXLCRS3B	1/11/2022 10:05	58.7	39.9	0.0	1.4	-25.4	-23.3	-32.9	93.1	153.3	Valve Adjustment:No Change,Valve 100% open
OXLCRS3B	1/20/2022 12:34	56.8	43.2	0.0	0.0	-29.3	-30.5	-35.0	93.8	135.9	Valve Adjustment:No Change,Valve 100% open
OXLCRS7B	1/12/2022 13:05	61.2	38.3	0.1	0.4	-16.8	-16.8	-32.9	83.9	95.8	Valve Adjustment:No Change,Valve 100% open
OXLCRS7B	1/27/2022 9:28	59.0	37.4	0.5	3.1	-18.4	-18.5	-35.6	84.5	94.5	Valve Adjustment:No Change,Valve 100% open
OXLCRS9A	1/6/2022 13:26	40.0	47.2	1.1	11.7	-7.2	-7.5	-7.0	61.2	2.8	Valve Adjustment:No Change,Valve at minimum position

OXLCRS9A	1/27/2022 11:59	49.2	44.5	0.5	5.8	-34.1	-33.2	-35.3	66.7	6.3	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less
OXLCRS9B	1/6/2022 13:29	46.8	47.9	0.7	4.6	-1.1	-1.1	-7.5	59.5	2.0	Valve Adjustment:No Change,Valve at minimum position
OXLCRS9B	1/27/2022 12:02	51.4	43.0	0.4	5.2	-0.1	-0.1	-36.5	65.0	4.3	Valve Adjustment:No Change,Valve at minimum position
OXME302D	1/5/2022 14:10	52.2	33.7	3.0	11.1	-15.2	-15.0	-37.1	118.7	46.9	Valve Adjustment:No Change
OXME302D	1/26/2022 12:18	53.4	35.6	2.1	8.9	-16.1	-16.1	-39.2	118.9	21.5	Valve Adjustment:No Change
OXME306D	1/7/2022 11:09	59.0	40.9	0.0	0.1	-37.6	-37.9	-38.6	125.5	18.3	Valve Adjustment:No Change,Valve 100% open
OXME306D	1/26/2022 10:28	57.3	38.6	0.0	4.1	-37.6	-37.5	-39.0	125.6	18.0	Valve Adjustment:No Change,Valve 100% open
OXME312D	1/10/2022 12:15	36.4	35.5	0.0	28.1	-4.2	-4.2	-35.5	112.1	18.3	Valve Adjustment:No Change,Valve at minimum position
OXME312D	1/25/2022 10:44	34.4	35.0	0.0	30.6	-4.5	-4.4	-38.5	117.2	17.0	Valve Adjustment:Closed valve 1/2 turn or less
OXME316D	1/10/2022 11:29	56.7	38.4	0.7	4.2	-29.4	-29.4	-32.5	125.5	32.2	Valve Adjustment:No Change,Valve 75% open
OXME316D	1/27/2022 12:19	55.5	41.4	0.7	2.4	-31.1	-31.1	-34.2	125.8	33.5	Valve Adjustment:No Change,Valve 75% open
OXME317D	1/10/2022 11:43	57.6	40.5	0.0	1.9	-31.9	-32.4	-32.4	68.2	8.7	Valve Adjustment:No Change,Valve 100% open
OXME317D	1/25/2022 11:44	56.9	43.1	0.0	0.0	-36.0	-36.0	-36.7	73.8	7.3	Valve Adjustment:No Change,Valve 100% open
OXMEW113	1/13/2022 9:34	57.5	42.5	0.0	0.0	-17.1	-18.3	-34.9	67.7	61.6	Valve Adjustment:Opened valve 1/2 turn or less
OXMEW113	1/27/2022 11:40	54.8	44.0	0.0	1.2	-17.8	-17.9	-38.6	68.6	0.0	Valve Adjustment:No Change
OXMEW122	1/10/2022 12:16	59.4	39.1	0.1	1.4	-35.4	-35.4	-35.8	75.7	10.2	Valve Adjustment:No Change,Valve 100% open
OXMEW122	1/27/2022 9:01	59.7	40.2	0.1	0.0	-39.5	-39.5	-39.9	53.4	8.7	Valve Adjustment:No Change,Valve 100% open
OXMEW126	1/7/2022 13:53	55.1	44.9	0.0	0.0	-36.6	-37.0	-37.1	55.8	9.9	Valve Adjustment:No Change,Valve 100% open
OXMEW126	1/20/2022 13:15	56.4	43.6	0.0	0.0	-36.9	-36.6	-36.7	63.3	8.2	Valve Adjustment:No Change,Valve 100% open
OXMEW138	1/11/2022 10:10	34.2	34.3	0.2	31.3	-7.8	-7.1	-32.5	66.2	6.8	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less
OXMEW138	1/20/2022 12:31	36.5	35.3	0.0	28.2	-6.9	-6.9	-34.8	67.9	6.7	Valve Adjustment:No Change,Valve at minimum position
OXMEW145	1/13/2022 9:49	56.5	43.5	0.0	0.0	-26.6	-26.8	-35.8	98.6	20.2	Valve Adjustment:Opened valve 1/2 turn or less,Valve 40% open
OXMEW145	1/27/2022 11:37	56.6	43.4	0.0	0.0	-32.6	-32.6	-38.1	99.9	14.0	Valve Adjustment:No Change,Valve 45% open
OXMEW156	1/3/2022 12:26	55.3	43.7	0.0	1.0	-21.9	-21.9	-37.7	51.3	5.8	Valve Adjustment:No Change,Valve at minimum position
OXMEW156	1/21/2022 12:34	56.8	40.6	0.0	2.6	-23.6	-23.7	-40.5	60.7	5.9	Valve Adjustment:Opened valve 1/2 turn or less,Valve 5% open
OXMEW158	1/7/2022 14:02	53.9	45.3	0.0	0.8	-9.6	-9.6	-39.0	53.1	3.8	Valve Adjustment:No Change,Valve at minimum position
OXMEW158	1/20/2022 13:23	53.4	39.7	0.6	6.3	-19.1	-19.1	-38.0	68.5	1.1	Valve Adjustment:No Change,Valve at minimum position
OXMEW159	1/7/2022 13:58	55.7	44.3	0.0	0.0	-22.5	-22.5	-39.1	66.4	4.8	Valve Adjustment:No Change,Valve at minimum position
OXMEW159	1/20/2022 13:20	56.4	43.6	0.0	0.0	-23.9	-23.9	-37.7	69.0	4.7	Valve Adjustment:No Change,Valve at minimum position
OXMEW162	1/10/2022 12:42	11.8	5.3	17.0	65.9	-35.2	-35.0	-35.6	69.1	0.0	Valve Adjustment:NSPS/CAI,Opened valve >1 turn
OXMEW162	1/10/2022 12:48	24.3	11.9	13.2	50.6	-34.8	-33.4	-35.1	71.1	10.9	Valve Adjustment:NSPS/CAI,Valve at minimum position,Closed valve >1 turn
OXMEW162	1/21/2022 13:26	56.4	25.3	0.5	17.8	-19.6	-20.6	-38.0	72.7	0.0	Valve Adjustment:No Change
OXMEW170	1/7/2022 12:25	50.6	26.6	3.8	19.0	-36.6	-36.6	-38.9	50.2	0.4	Valve Adjustment:No Change,Valve at minimum position
OXMEW170	1/21/2022 9:32	55.0	30.2	3.0	11.8	-37.7	-37.8	-39.6	63.7	0.3	Valve Adjustment:Opened valve 1/2 turn or less,Valve 5% open
OXMEW173	1/3/2022 12:35	56.3	40.9	0.0	2.8	-0.9	-0.9	-38.0	79.3	0.0	Valve Adjustment:No Change,Valve 5% open

OXMEW173	1/21/2022 12:41	57.7	39.3	0.0	3.0	-1.4	-1.4	-40.2	95.7	6.4	Valve Adjustment:Opened valve 1/2 turn or less
OXMEW174	1/3/2022 12:29	56.1	42.8	0.0	1.1	-0.1	-0.1	-37.6	48.2	5.1	Valve Adjustment:No Change,Valve at minimum position
OXMEW174	1/21/2022 12:36	57.7	40.1	0.0	2.2	0.3	-0.1	-40.5	67.9	0.4	Valve Adjustment:NSPS/CAI,Valve at minimum position,Opened valve 1/2 turn or less
OXMEW174	1/21/2022 12:37	57.8	40.0	0.0	2.2	-0.1	-0.1	-40.6	66.4	2.4	Valve Adjustment:No Change,Valve at minimum position
OXMEW175	1/3/2022 12:21	56.7	42.0	0.0	1.3	-4.0	-4.0	-37.7	49.3	2.3	Valve Adjustment:No Change,Valve at minimum position
OXMEW175	1/21/2022 12:26	58.5	38.9	0.0	2.6	-8.2	-8.8	-40.6	62.1	2.6	Valve Adjustment:Opened valve 1/2 turn or less,Valve 5% open
OXMEW176	1/12/2022 12:02	55.6	39.0	0.0	5.4	-10.1	-10.2	-34.0	110.9	32.8	Valve Adjustment:Opened valve 1/2 turn or less
OXMEW176	1/27/2022 13:39	53.6	36.6	0.1	9.7	-14.6	-15.9	-37.4	111.4	79.4	Valve Adjustment:Opened valve 1/2 turn or less
OXMEW181	1/10/2022 13:04	56.2	43.4	0.0	0.4	-10.3	-10.1	-35.4	113.4	34.1	Valve Adjustment:No Change
OXMEW181	1/27/2022 13:30	56.7	43.3	0.0	0.0	-10.5	-10.9	-39.5	115.1	67.4	Valve Adjustment:No Change
OXMEW182	1/10/2022 11:53	55.2	41.0	0.0	3.8	-31.6	-31.5	-35.0	119.1	5.6	Valve Adjustment:No Change,Valve 100% open
OXMEW182	1/25/2022 11:33	55.0	41.4	0.0	3.6	-33.3	-33.3	-37.5	119.6	15.7	Valve Adjustment:No Change,Valve 100% open
OXMEW183	1/10/2022 12:55	51.5	43.4	0.0	5.1	-5.2	-5.2	-34.0	116.2	50.0	Valve Adjustment:No Change,Valve 5% open
OXMEW183	1/27/2022 10:22	56.5	40.4	0.0	3.1	-4.4	-4.5	-37.6	117.2	43.7	Valve Adjustment:Opened valve 1/2 turn or less
OXMEW184	1/5/2022 13:01	47.8	35.0	0.0	17.2	0.0	-0.1	-33.6	117.4	12.9	Valve Adjustment:NSPS/CAI,Opened valve 1/2 turn or less
OXMEW184	1/5/2022 13:02	46.1	35.6	0.0	18.3	-0.1	-0.1	-34.8	118.2	15.7	Valve Adjustment:Closed valve 1/2 turn or less
OXMEW184	1/27/2022 10:30	50.0	40.4	0.0	9.6	-0.4	-0.3	-38.4	124.6	36.3	Valve Adjustment:Closed valve 1/2 turn or less
OXMEW185	1/5/2022 13:06	51.1	37.0	0.0	11.9	-0.5	-0.5	-35.5	118.3	14.7	Valve Adjustment:No Change
OXMEW185	1/27/2022 10:34	48.3	38.1	0.0	13.6	-1.0	-1.0	-38.1	117.3	35.6	Valve Adjustment:Closed valve 1/2 turn or less
OXMEW186	1/10/2022 12:06	52.9	41.4	0.7	5.0	-0.6	-0.6	-34.9	65.3	1.5	Valve Adjustment:No Change,Valve 5% open
OXMEW186	1/25/2022 10:58	51.8	42.6	1.1	4.5	-0.7	-0.7	-38.1	67.1	3.2	Valve Adjustment:No Change,Valve 5% open
OXMEW187	1/10/2022 12:48	47.3	41.1	0.2	11.4	-0.7	-0.7	-34.4	109.6	0.0	Valve Adjustment:No Change,Valve at minimum position
OXMEW187	1/27/2022 10:57	45.1	39.8	0.0	15.1	-0.9	-0.9	-37.2	113.2	7.2	Valve Adjustment:Closed valve 1/2 turn or less
OXMEW188	1/5/2022 13:23	53.0	38.6	0.0	8.4	-0.7	-0.7	-35.5	114.5	16.4	Valve Adjustment:No Change
OXMEW188	1/27/2022 10:48	48.9	40.6	0.0	10.5	-1.6	-1.6	-38.1	115.0	13.5	Valve Adjustment:Closed valve 1/2 turn or less
OXMEW189	1/5/2022 13:30	55.9	38.5	0.2	5.4	-4.7	-5.0	-35.8	122.4	125.7	Valve Adjustment:Opened valve 1/2 turn or less
OXMEW189	1/26/2022 11:37	50.4	37.9	0.1	11.6	-9.2	-9.2	-37.6	122.8	162.5	Valve Adjustment:No Change
OXMEW190	1/10/2022 12:18	51.4	40.8	0.1	7.7	-11.6	-11.5	-35.1	125.4	19.4	Valve Adjustment:No Change,Valve 35% open
OXMEW190	1/25/2022 10:41	50.5	39.6	0.3	9.6	-12.5	-12.5	-37.8	123.5	27.2	Valve Adjustment:Closed valve 1/2 turn or less,Valve 35% open
OXMEW191	1/3/2022 11:40	55.9	41.3	0.0	2.8	-0.6	-0.6	-38.1	120.4	22.1	Valve Adjustment:No Change,Valve 10% open
OXMEW191	1/21/2022 10:59	57.0	39.2	0.0	3.8	-3.0	-3.0	-41.6	125.9	19.5	Valve Adjustment:Opened valve 1/2 turn or less
OXMEW192	1/3/2022 12:00	54.3	39.3	0.0	6.4	-3.1	-3.1	-38.3	51.3	9.2	Valve Adjustment:No Change,Valve 5% open
OXMEW192	1/21/2022 11:28	52.5	37.0	0.0	10.5	-7.1	-7.1	-42.3	63.3	15.1	Valve Adjustment:No Change
OXMEW194	1/12/2022 11:05	58.7	40.4	0.0	0.9	-26.5	-26.7	-34.6	80.1	10.5	Valve Adjustment:Opened valve 1/2 turn or less
OXMEW194	1/20/2022 13:52	58.0	40.7	0.0	1.3	-32.4	-32.4	-37.6	82.2	14.2	Valve Adjustment:No Change

OXMEW196	1/10/2022 11:57	51.0	38.7	0.4	9.9	-8.5	-8.5	-35.0	74.5	12.6	Valve Adjustment:No Change
OXMEW196	1/25/2022 11:06	53.3	40.9	0.0	5.8	-8.5	-8.8	-37.6	99.9	5.7	Valve Adjustment:No Change
OXMEW199	1/10/2022 12:02	56.2	41.3	0.0	2.5	-5.4	-5.4	-35.7	117.3	26.3	Valve Adjustment:No Change
OXMEW199	1/25/2022 11:03	56.5	42.2	0.0	1.3	-5.2	-5.2	-38.3	121.7	22.8	Valve Adjustment:Opened valve 1/2 turn or less
OXMEW200	1/10/2022 12:51	40.8	39.3	0.0	19.9	-2.0	-1.8	-35.4	118.6	24.3	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn to 1 turn
OXMEW200	1/27/2022 11:01	42.2	38.2	0.1	19.5	-1.5	-1.4	-40.2	119.4	19.7	Valve Adjustment:Closed valve 1/2 turn or less
OXMEW201	1/5/2022 13:10	50.7	37.3	0.0	12.0	-0.1	-0.1	-35.3	88.9	10.0	Valve Adjustment:No Change
OXMEW201	1/27/2022 10:37	42.0	37.5	0.0	20.5	-0.6	-0.6	-38.1	91.8	2.4	Valve Adjustment:Closed valve 1/2 turn or less
OXMEW203	1/5/2022 12:55	55.0	33.3	0.3	11.4	-4.4	-4.5	-33.7	66.5	5.4	Valve Adjustment:Opened valve 1/2 turn or less,Valve 5% open
OXMEW203	1/26/2022 11:19	46.3	32.7	0.6	20.4	-11.1	-9.8	-38.3	77.3	12.0	Valve Adjustment:Closed valve 1/2 turn or less,Valve 5% open
OXMEW204	1/5/2022 12:52	55.8	37.3	0.0	6.9	-3.6	-3.6	-31.7	99.9	5.5	Valve Adjustment:Opened valve 1/2 turn or less,Valve 10% open
OXMEW204	1/26/2022 11:15	54.3	38.6	0.0	7.1	-4.7	-4.8	-36.3	101.0	4.9	Valve Adjustment:Opened valve 1/2 turn or less,Valve 10% open
OXMEW205	1/7/2022 11:44	39.4	37.3	0.0	23.3	-0.6	-0.6	-38.9	121.5	0.0	Valve Adjustment:Closed valve 1/2 turn or less,Valve 15% open
OXMEW205	1/27/2022 10:52	34.7	36.6	0.0	28.7	-0.6	-0.6	-38.7	126.1	0.0	Valve Adjustment:Closed valve 1/2 turn to 1 turn,Valve 15% open
OXMEW209	1/5/2022 13:46	58.5	39.8	0.0	1.7	-6.1	-4.7	-37.0	133.5	19.3	Valve Adjustment:NSPS/CAI,Closed valve 1/2 turn or less,Valve 40% open
OXMEW209	1/5/2022 13:48	58.7	39.8	0.0	1.5	-4.8	-5.4	-36.8	128.9	4.6	Valve Adjustment:Opened valve 1/2 turn or less,Valve 35% open
OXMEW209	1/26/2022 11:54	53.8	38.6	1.3	6.3	-7.2	-6.0	-39.0	132.2	21.3	Valve Adjustment:NSPS/CAI,Closed valve 1/2 turn to 1 turn,Valve 30% open
OXMEW209	1/26/2022 11:56	51.5	38.4	2.4	7.7	-5.7	-5.7	-39.1	130.3	10.7	Valve Adjustment:No Change,Valve 30% open
OXMEW210	1/7/2022 11:01	58.0	39.2	0.2	2.6	-33.8	-33.9	-38.7	123.8	40.1	Valve Adjustment:Opened valve 1/2 turn to 1 turn,Valve 90% open
OXMEW210	1/26/2022 10:24	56.9	37.0	0.6	5.5	-33.0	-32.9	-37.6	123.5	37.5	Valve Adjustment:No Change,Valve 100% open
OXMEW300	1/5/2022 14:17	61.3	36.8	0.1	1.8	-34.4	-34.4	-36.3	105.3	20.0	Valve Adjustment:No Change,Valve 100% open
OXMEW300	1/26/2022 12:27	61.0	37.6	0.0	1.4	-36.4	-36.5	-38.4	105.2	18.6	Valve Adjustment:No Change,Valve 100% open
OXMEW302	1/5/2022 14:06	56.9	36.0	0.0	7.1	-2.8	-2.9	-36.9	101.6	22.4	Valve Adjustment:Opened valve 1/2 turn or less
OXMEW302	1/26/2022 12:14	44.6	35.0	0.0	20.4	-5.0	-4.7	-38.8	107.8	11.7	Valve Adjustment:Closed valve 1/2 turn or less
OXMEW303	1/7/2022 10:55	47.6	31.1	4.4	16.9	-39.2	-40.0	-39.5	49.5	14.3	Valve Adjustment:No Change
OXMEW303	1/26/2022 10:18	62.5	21.2	3.4	12.9	-38.8	-38.8	-39.2	56.0	10.5	Valve Adjustment:No Change
OXMEW306	1/7/2022 11:07	37.5	35.2	0.3	27.0	-3.2	-3.2	-39.3	111.6	28.1	Valve Adjustment:Closed valve 1/2 turn or less
OXMEW306	1/26/2022 10:31	27.0	29.4	0.2	43.4	-2.3	-2.2	-38.7	110.5	11.4	Valve Adjustment:Closed valve 1/2 turn or less
OXMEW307	1/13/2022 9:53	58.8	41.2	0.0	0.0	-35.3	-35.3	-35.4	92.1	2.5	Valve Adjustment:No Change,Valve 100% open
OXMEW307	1/27/2022 11:34	58.3	41.5	0.2	0.0	-38.4	-38.5	-38.4	91.3	0.9	Valve Adjustment:No Change,Valve 100% open
OXMEW309	1/7/2022 11:20	53.0	39.3	0.1	7.6	-25.8	-25.9	-38.0	125.8	47.5	Valve Adjustment:Opened valve 1/2 turn or less
OXMEW309	1/26/2022 11:50	50.7	37.8	0.3	11.2	-26.2	-26.2	-38.7	126.7	49.0	Valve Adjustment:No Change
OXMEW310	1/4/2022 12:37	57.4	40.7	0.0	1.9	-20.3	-21.1	-36.6	114.9	293.9	Valve Adjustment:Opened valve 1/2 turn or less
OXMEW310	1/25/2022 11:08	52.8	41.1	0.0	6.1	-22.7	-22.7	-36.8	117.5	309.2	Valve Adjustment:No Change
OXMEW311	1/5/2022 12:26	54.5	36.6	0.0	8.9	-12.8	-12.9	-33.5	119.4	17.8	Valve Adjustment:Opened valve 1/2 turn or less

OXMEW311	1/26/2022 10:43	50.7	37.9	0.0	11.4	-18.1	-18.0	-38.4	119.6	24.8	Valve Adjustment:Closed valve 1/2 turn or less
OXMEW312	1/10/2022 12:13	52.7	40.3	0.0	7.0	-3.8	-3.8	-35.4	88.3	12.2	Valve Adjustment:No Change
OXMEW312	1/25/2022 10:49	53.8	40.2	0.0	6.0	-4.1	-4.1	-38.1	101.4	5.6	Valve Adjustment:Opened valve 1/2 turn or less
OXMEW315	1/7/2022 11:27	59.1	40.2	0.1	0.6	-36.0	-35.7	-37.9	119.5	25.8	Valve Adjustment:No Change,Valve 100% open
OXMEW315	1/25/2022 10:21	58.4	40.4	0.1	1.1	-36.2	-36.2	-38.8	120.6	27.4	Valve Adjustment:No Change,Valve 100% open
OXMEW316	1/10/2022 11:32	59.8	39.8	0.0	0.4	-32.8	-32.8	-34.1	99.6	9.4	Valve Adjustment:No Change
OXMEW316	1/25/2022 11:54	58.6	41.4	0.0	0.0	-34.4	-34.4	-36.0	108.8	8.3	Valve Adjustment:No Change,Valve 100% open
OXMEW317	1/10/2022 11:41	59.8	38.9	0.0	1.3	-33.9	-34.1	-34.3	102.4	25.8	Valve Adjustment:No Change,Valve 100% open
OXMEW317	1/25/2022 11:49	58.2	41.8	0.0	0.0	-35.6	-35.9	-36.3	106.2	20.0	Valve Adjustment:No Change,Valve 100% open
OXMEW318	1/10/2022 11:48	55.2	39.6	0.0	5.2	-2.1	-2.1	-34.7	104.5	15.5	Valve Adjustment:No Change,Valve 5% open
OXMEW318	1/25/2022 11:35	54.7	40.9	0.0	4.4	-2.2	-2.3	-37.5	109.0	15.3	Valve Adjustment:Opened valve 1/2 turn or less
OXMEW319	1/4/2022 12:42	57.2	39.6	0.0	3.2	-15.3	-15.9	-36.3	108.2	15.4	Valve Adjustment:Opened valve 1/2 turn or less
OXMEW319	1/25/2022 11:29	50.7	40.9	0.0	8.4	-16.8	-16.5	-36.9	109.7	18.6	Valve Adjustment:Closed valve 1/2 turn or less
OXMEW320	1/4/2022 12:16	58.8	40.9	0.1	0.2	-36.4	-36.5	-37.0	122.6	24.9	Valve Adjustment:No Change,Valve 100% open
OXMEW320	1/24/2022 11:36	58.7	41.2	0.0	0.1	-36.2	-36.1	-36.6	123.1	7.6	Valve Adjustment:No Change,Valve 100% open
OXMEW322	1/10/2022 11:23	59.7	39.0	0.0	1.3	-35.1	-35.1	-35.9	118.4	21.1	Valve Adjustment:No Change,Valve 100% open
OXMEW322	1/25/2022 11:59	58.1	41.9	0.0	0.0	-37.5	-37.5	-38.5	118.4	18.6	Valve Adjustment:No Change,Valve 100% open
OXMEW323	1/12/2022 11:23	58.3	40.2	0.0	1.5	-32.2	-32.3	-32.6	112.8	14.4	Valve Adjustment:No Change,Valve 100% open
OXMEW323	1/24/2022 12:17	57.3	40.6	0.2	1.9	-35.2	-35.2	-35.7	114.4	14.3	Valve Adjustment:No Change,Valve 100% open
OXMEW328	1/4/2022 10:47	59.1	40.0	0.0	0.9	-22.7	-23.8	-33.6	118.8	17.9	Valve Adjustment:Opened valve 1/2 turn or less
OXMEW328	1/25/2022 12:26	57.8	42.2	0.0	0.0	-22.3	-22.4	-29.4	120.6	6.6	Valve Adjustment:No Change,Valve 100% open
OXMEWHC1	1/7/2022 13:50	54.8	45.2	0.0	0.0	-38.3	-38.3	-39.1	51.4	N/A	Valve Adjustment:No Change;Well Condition:No flow device
OXMEWHC1	1/20/2022 13:12	55.4	44.5	0.1	0.0	-37.5	-37.5	-37.4	80.1	N/A	Valve Adjustment:No Change;Well Condition:No flow device
OXMEWW05	1/6/2022 12:04	54.6	45.4	0.0	0.0	-41.1	-41.2	-40.8	99.0	6.5	Valve Adjustment:No Change
OXMEWW05	1/27/2022 10:10	59.5	38.9	0.1	1.5	-42.3	-42.4	-42.4	106.5	18.3	Valve Adjustment:No Change
OXMEWW06	1/6/2022 12:01	54.3	45.7	0.0	0.0	-41.1	-41.2	-40.6	85.3	9.1	Valve Adjustment:No Change,Valve 100% open
OXMEWW06	1/27/2022 10:13	56.7	41.9	0.0	1.4	-42.4	-42.5	-42.4	98.4	26.0	Valve Adjustment:No Change,Valve 100% open
OXMEWW08	1/3/2022 11:53	55.2	42.6	0.0	2.2	-3.5	-3.5	-37.6	50.2	8.3	Valve Adjustment:No Change,Valve 20% open
OXMEWW08	1/21/2022 11:20	55.2	39.1	0.0	5.7	-6.7	-6.8	-41.7	69.9	8.3	Valve Adjustment:Opened valve 1/2 turn or less,Valve 25% open
OXMEWW15	1/12/2022 12:07	0.2	0.5	21.2	78.1	-7.4	-34.9	-35.5	66.7	1.4	Valve Adjustment:NSPS/CAI,Opened valve >1 turn
OXMEWW15	1/12/2022 12:08	17.6	15.3	12.7	54.4	-35.4	-26.8	-35.9	67.9	6.4	Valve Adjustment:NSPS/CAI,Valve at minimum position,Closed valve >1 turn
OXMEWW15	1/28/2022 9:26	0.2	0.5	21.5	77.8	-7.5	-36.6	-41.9	58.9	6.7	Valve Adjustment:NSPS/CAI,Valve 100% open,Opened valve >1 turn
OXMEWW15	1/28/2022 9:29	28.4	19.8	9.0	42.8	-41.6	-30.8	-41.8	57.1	7.6	Valve Adjustment:Valve at minimum position,Closed valve >1 turn
OXMEWW17	1/6/2022 12:52	48.2	40.6	1.9	9.3	-31.6	-31.7	-31.0	56.7	10.1	Valve Adjustment:No Change,Valve at minimum position
OXMEWW17	1/27/2022 11:09	49.4	38.5	2.7	9.4	-31.7	-31.7	-31.9	63.1	6.3	Valve Adjustment:No Change,Valve at minimum position

OXMEWW18	1/6/2022 12:38	56.7	43.3	0.0	0.0	-37.0	-37.1	-38.3	55.2	6.7	Valve Adjustment:No Change,Valve 100% open
OXMEWW18	1/27/2022 10:57	57.4	42.6	0.0	0.0	-38.3	-38.5	-39.7	57.8	4.8	Valve Adjustment:No Change
OXMEWW1G	1/6/2022 12:18	56.0	44.0	0.0	0.0	-34.4	-34.4	-38.8	70.5	1.9	Valve Adjustment:No Change,Valve at minimum position
OXMEWW1G	1/27/2022 10:28	56.9	41.5	0.0	1.6	-36.7	-36.6	-40.3	68.5	1.5	Valve Adjustment:No Change,Valve at minimum position
OXMEWW1I	1/6/2022 12:23	55.3	41.8	1.0	1.9	-39.4	-39.4	-39.3	56.8	0.3	Valve Adjustment:No Change,Valve at minimum position
OXMEWW1I	1/27/2022 10:40	48.4	31.0	4.4	16.2	-39.6	-39.7	-39.6	66.4	0.5	Valve Adjustment:No Change,Valve at minimum position
OXMEWW1J	1/6/2022 12:26	44.5	38.3	0.2	17.0	-27.7	-27.8	-39.3	69.3	5.0	Valve Adjustment:No Change,Valve at minimum position
OXMEWW1J	1/27/2022 10:43	45.2	36.1	0.6	18.1	-19.3	-19.3	-40.2	74.9	4.5	Valve Adjustment:No Change,Valve at minimum position
OXMEWW1K	1/6/2022 12:29	55.6	44.2	0.1	0.1	-40.8	-40.7	-41.0	55.9	5.9	Valve Adjustment:No Change,Valve 5% open
OXMEWW1K	1/27/2022 10:46	57.1	41.7	0.0	1.2	-42.6	-42.5	-42.9	63.4	7.4	Valve Adjustment:No Change
OXMEWW1S	1/6/2022 12:58	56.4	43.6	0.0	0.0	-30.9	-30.9	-31.1	65.3	21.7	Valve Adjustment:No Change
OXMEWW1S	1/27/2022 11:17	57.4	42.6	0.0	0.0	-31.3	-31.2	-31.7	66.6	23.0	Valve Adjustment:No Change
OXMHCF03	1/4/2022 10:02	57.5	42.5	0.0	0.0	-41.1	-41.1	-42.2	60.1	23.7	Valve Adjustment:No Change,Valve 100% open
OXMHCF03	1/26/2022 9:41	57.9	42.1	0.0	0.0	-41.1	-40.9	-41.5	58.1	15.7	Valve Adjustment:No Change,Valve 100% open
OXMHCF04	1/4/2022 10:07	50.6	40.5	2.3	6.6	-42.4	-42.4	-42.8	55.9	5.6	Valve Adjustment:No Change,Valve 100% open
OXMHCF04	1/26/2022 9:47	44.7	35.0	4.9	15.4	-41.7	-41.6	-42.2	55.4	6.2	Valve Adjustment:Closed valve 1/2 turn or less
OXMPEW30	1/6/2022 11:36	59.5	40.1	0.0	0.4	-40.6	-40.6	-40.2	59.2	0.4	Valve Adjustment:No Change,Valve 45% open
OXMPEW30	1/21/2022 11:53	57.9	39.8	0.2	2.1	-41.0	-41.1	-41.1	66.0	3.8	Valve Adjustment:Valve 100% open,Opened valve >1 turn
OXMPEW31	1/13/2022 10:12	57.8	41.8	0.0	0.4	-9.5	-9.8	-9.8	77.1	5.1	Valve Adjustment:No Change,Valve 100% open
OXMPEW31	1/21/2022 12:03	57.2	40.5	0.0	2.3	-40.1	-41.1	-40.9	64.9	4.3	Valve Adjustment:Valve 100% open,Opened valve >1 turn
OXMPEW32	1/3/2022 12:16	55.8	39.2	0.3	4.7	-35.5	-35.5	-37.9	49.6	0.7	Valve Adjustment:No Change,Valve at minimum position
OXMPEW32	1/21/2022 12:21	54.4	34.3	1.8	9.5	-39.8	-39.7	-40.3	68.7	1.0	Valve Adjustment:No Change,Valve at minimum position
OXMPEW33	1/3/2022 11:56	57.4	40.6	0.0	2.0	-8.9	-8.9	-38.7	71.6	5.3	Valve Adjustment:No Change,Valve at minimum position
OXMPEW33	1/21/2022 12:17	59.3	38.6	0.0	2.1	-6.4	-7.0	-41.7	77.7	6.5	Valve Adjustment:Opened valve 1/2 turn to 1 turn,Valve 5% open
OXMPEW35	1/6/2022 11:45	55.2	43.1	0.0	1.7	-17.5	-17.8	-37.6	123.1	19.3	Valve Adjustment:No Change,Valve 10% open
OXMPEW35	1/21/2022 11:42	55.5	39.9	0.0	4.6	-17.5	-17.7	-39.4	126.1	17.7	Valve Adjustment:Opened valve 1/2 turn or less
OXMPEW44	1/6/2022 12:55	56.0	44.0	0.0	0.0	-31.6	-31.6	-31.1	63.0	1.2	Valve Adjustment:No Change,Valve 80% open
OXMPEW44	1/27/2022 11:13	56.5	40.4	0.0	3.1	-31.6	-31.6	-31.2	67.5	1.8	Valve Adjustment:No Change,Valve 80% open

Bold Italics = HOV/LTCO approval from BAAQMD

*Some flow readings not available due to low/no flow conditions recorded by GEM.

**Well OXEWHC6A is an NSPS exempt well.

NSPS/EG CAI = New Source Performance Standards Corrective Action Initiated

CH_4 = Methane

CO_2 = Carbon Dioxide

O_2 = Oxygen

BAL = Balance Gas, usually nitrogen

in. wk.. = inches of water column

Deg. F. = degrees in Fahrenheit

scfm = standard cubic feet per minute

% = percent

N/A = Not applicable

≤140 degrees F Temperature HOV per Title V Permit Condition Number 10164 part 18(b)(viii)
OXEW1618, OXMEW205, OXMEW209, OXMPEW35

≤15% Oxygen HOV per Title V Permit Condition Number 10164 part 18(b)(i)
OMTLTS01, OMTLTS02, OMTLTS03, OMTLTS04, OMTLTS05, OMTLTS06, OMTLTS07, OMTLTS08, OMTLTS09, OMTLTS10, OMTLTS11, OMTLTS12, OMTLTS15, OMTLTS16, OMTLTS17, OMTLTS18, OMTLTS19, OMTLTS20, ~~OXLCRS01~~, OXLCRS4A, OXLCRS4B, ~~OXLCRS05~~, ~~OXLCRS06~~, OXLCRS07, ~~OXMEWHC6~~, ~~OXMTBTC1,~~ OXMEWW17, and ~~OXMHCF06~~.

LTCO per Title V Permit Condition Number 10164 part 18(d)(i)
OMTLTS01, OMTLTS02, OMTLTS03, OMTLTS04, OMTLTS05, OMTLTS06, OMTLTS07, OMTLTS08, OMTLTS09, OMTLTS10, OMTLTS11, OMTLTS12, OMTLTS15, OMTLTS16,

OMTLTS17, OMTLTS18, OMTLTS19, OMTLTS20, ~~OXLCRS01,~~ OXLCRS4A, OXLCRS4B, ~~OXLCRS05, OXLCRS06~~, and OXLCRS07.

*Wells that have been decommissioned are noted with a strikethrough.

OX MOUNTAIN LANDFILL
Wellfield Monitoring Report - February 1, 2, 3, 4, 7, 8, 9, 10, 11, 14, 16, 17, 18, 23, and 24, 2022

Device ID	Date and Time	CH_4	CO_2	O_2	BAL	Initial Static Pressure	Adjusted Static Pressure	Lateral Pressure	Initial Temperature	Initial Flow*	Comments
		%	%	%	%	in. wk..	in. wk..	in. wk..	Deg. F.	scfm	
OMLEW101	2/3/2022 11:10	54.9	39.4	1.1	4.6	-0.4	-0.4	-26.1	68.1	5.3	Valve Adjustment:No Change,Valve at minimum position
OMLEW101	2/17/2022 11:16	46.3	36.3	4.3	13.1	-0.1	-0.1	-29.7	66.8	4.3	Valve Adjustment:No Change,Valve at minimum position
OMLEW104	2/3/2022 12:40	55.3	44.7	0.0	0.0	-9.9	-9.9	-33.0	73.2	21.3	Valve Adjustment:No Change
OMLEW104	2/17/2022 13:01	55.5	44.3	0.0	0.2	-10.9	-10.9	-39.3	74.6	22.1	Valve Adjustment:No Change
OMLEW107	2/3/2022 12:42	56.9	43.1	0.0	0.0	-33.6	-33.4	-33.3	61.1	10.2	Valve Adjustment:No Change,Valve 100% open
OMLEW107	2/17/2022 13:03	57.0	43.0	0.0	0.0	-39.2	-39.3	-39.0	66.0	16.4	Valve Adjustment:No Change
OMLFEW59	2/2/2022 9:27	53.0	36.4	0.0	10.6	-1.3	-1.3	-39.6	106.2	15.2	Valve Adjustment:No Change,Valve 20% open
OMLFEW59	2/16/2022 9:07	51.3	38.6	0.0	10.1	-1.0	-1.0	-30.0	107.2	13.2	Valve Adjustment:No Change,Valve 20% open
OMLFEW72	2/3/2022 12:31	57.6	40.3	0.0	2.1	-1.0	-1.0	-33.0	69.5		Valve Adjustment:No Change;Well Condition:No flow device
OMLFEW72	2/17/2022 12:52	57.5	40.1	0.0	2.4	-1.1	-1.1	-39.0	76.0		Valve Adjustment:No Change;Well Condition:No flow device
OMLFEW99	2/2/2022 10:38	45.6	34.2	0.1	20.1	-0.7	-0.6	-43.3	69.8	10.0	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less
OMLFEW99	2/16/2022 11:42	52.7	38.6	0.0	8.7	-0.5	-0.5	-42.2	72.5	9.6	Valve Adjustment:No Change,Valve at minimum position
OMTLTS01	2/3/2022 12:23	54.9	43.6	0.1	1.4	-0.8	-0.8	-33.4	68.7	1.7	Valve Adjustment:No Change,Valve at minimum position
OMTLTS01	2/17/2022 12:41	44.8	39.5	1.5	14.2	-0.2	-0.2	-39.0	70.7	3.5	Valve Adjustment:No Change,Valve at minimum position
OMTLTS02	2/3/2022 12:20	58.5	40.2	0.0	1.3	-0.1	-0.1	-32.9	69.9	3.8	Valve Adjustment:No Change,Valve at minimum position
OMTLTS02	2/17/2022 12:38	45.7	37.2	0.8	16.3	-0.2	-0.2	-39.0	75.4	0.4	Valve Adjustment:No Change,Valve at minimum position
OMTLTS03	2/3/2022 12:17	53.2	38.4	2.2	6.2	-0.1	-0.1	-33.1	74.6	3.7	Valve Adjustment:No Change,Valve at minimum position
OMTLTS03	2/17/2022 12:37	45.6	37.1	0.8	16.5	-0.3	-0.3	-38.1	79.0	0.3	Valve Adjustment:No Change,Valve at minimum position
OMTLTS04	2/9/2022 13:51	46.4	33.8	0.0	19.8	0.0	-0.1	-24.4	77.2	3.3	Valve Adjustment:NSPS/CAI,Opened valve 1/2 turn to 1 turn,Valve 5% open
OMTLTS04	2/9/2022 14:15	47.0	34.0	0.0	19.0	-0.1	-0.1	-24.7	76.5	9.3	Valve Adjustment:No Change,Valve 5% open
OMTLTS04	2/24/2022 9:58	19.3	26.9	0.7	53.1	-0.4	-0.3	-38.2	76.1	11.1	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn to 1 turn
OMTLTS05	2/9/2022 13:43	38.4	32.8	0.0	28.8	0.1	-0.1	-28.3	80.8	5.5	Valve Adjustment:NSPS/CAI,Opened valve 1/2 turn to 1 turn,Valve 30% open
OMTLTS05	2/9/2022 13:47	36.9	31.9	0.0	31.2	-0.1	-0.1	-19.9	74.9	13.2	Valve Adjustment:No Change,Valve 30% open
OMTLTS05	2/24/2022 9:56	17.2	21.1	6.8	54.9	-0.6	-0.4	-34.8	78.6	16.9	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn to 1 turn
OMTLTS06	2/11/2022 9:54	1.1	1.6	20.8	76.5	-0.4	-0.5	-34.0	79.5	0.5	Valve Adjustment:NSPS/CAI,Opened valve 1/2 turn to 1 turn,Valve 5% open
OMTLTS06	2/11/2022 9:59	1.9	2.4	19.7	76.0	-0.5	-0.4	-26.5	83.2	11.4	Valve Adjustment:NSPS/CAI,Valve at minimum position,Closed valve 1/2 turn to 1 turn
OMTLTS06	2/24/2022 9:48	0.7	1.9	21.7	75.7	-0.4	-0.4	-35.5	65.4	0.2	Valve Adjustment:NSPS/CAI,Opened valve 1/2 turn or less,Valve 5% open
OMTLTS06	2/24/2022 9:52	0.8	1.0	21.5	76.7	-0.5	-0.4	-34.4	64.1	4.9	Valve Adjustment:NSPS/CAI,Valve at minimum position,Closed valve 1/2 turn or less
OMTLTS07	2/9/2022 13:14	41.7	30.6	3.4	24.3	-0.1	-0.1	-26.9	73.4	0.1	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less
OMTLTS07	2/24/2022 9:34	12.7	14.9	10.4	62.0	-0.5	-0.5	-34.0	61.6	0.2	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less
OMTLTS08	2/9/2022 13:05	54.5	35.9	0.0	9.6	0.0	-0.1	-3.8	74.0	3.4	Valve Adjustment:NSPS/CAI,Opened valve 1/2 turn to 1 turn,Valve 20% open

OMTLTS08	2/9/2022 13:11	55.0	36.4	0.2	8.4	-0.2	-0.2	-14.3	78.0	10.4	Valve Adjustment:No Change,Valve 20% open
OMTLTS08	2/24/2022 9:27	16.8	25.6	3.0	54.6	-0.8	-0.7	-33.5	80.9	14.7	Valve Adjustment:Closed valve 1/2 turn to 1 turn,Valve 5% open
OMTLTS09	2/8/2022 12:42	42.4	28.9	0.9	27.8	-0.1	-0.1	-4.8	81.1	0.1	Valve Adjustment:No Change,Valve at minimum position
OMTLTS09	2/23/2022 12:29	4.5	12.0	9.8	73.7	-0.3	-0.3	-34.7	60.7	0.2	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less
OMTLTS10	2/8/2022 12:38	41.7	27.6	1.7	29.0	-0.1	-0.1	-16.1	75.8	3.7	Valve Adjustment:No Change,Valve at minimum position
OMTLTS10	2/23/2022 12:19	3.7	9.8	13.0	73.5	-0.4	-0.3	-34.4	71.0	3.7	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less
OMTLTS11	2/8/2022 12:28	46.2	31.1	0.1	22.6	-0.1	-0.1	-13.3	84.6	0.6	Valve Adjustment:No Change,Valve at minimum position
OMTLTS11	2/23/2022 12:08	3.1	7.6	14.8	74.5	-0.3	-0.3	-35.1	61.7	0.2	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less
OMTLTS12	2/8/2022 12:23	29.9	21.4	5.7	43.0	-0.1	-0.1	-21.1	84.3	0.2	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less
OMTLTS12	2/23/2022 12:04	7.7	12.0	11.9	68.4	-0.2	-0.2	-35.2	62.9	0.2	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less
OMTLTS15	2/8/2022 12:18	29.4	28.4	4.1	38.1	-0.1	-0.1	-33.1	80.4	0.2	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less
OMTLTS15	2/23/2022 12:00	12.1	13.1	13.2	61.6	-0.2	-0.2	-39.4	59.7	0.0	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less
OMTLTS16	2/8/2022 12:13	26.4	31.2	0.3	42.1	-0.1	-0.1	-28.5	79.9	2.1	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less
OMTLTS16	2/23/2022 11:50	23.7	30.9	1.3	44.1	-0.4	-0.4	-36.8	64.0	2.1	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less
OMTLTS17	2/8/2022 12:08	14.2	12.9	10.9	62.0	-0.1	-0.1	-33.0	80.3	0.0	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less
OMTLTS17	2/23/2022 11:45	23.6	26.5	4.4	45.5	-0.3	-0.3	-39.4	60.5	0.1	Valve Adjustment:No Change,Valve at minimum position
OMTLTS18	2/8/2022 12:04	52.3	36.7	0.3	10.7	-0.5	-0.5	-32.9	66.1	18.8	Valve Adjustment:No Change,Valve 100% open
OMTLTS18	2/23/2022 11:41	52.4	38.3	0.4	8.9	-0.7	-0.7	-39.9	63.8	20.3	Valve Adjustment:No Change,Valve 100% open
OMTLTS19	2/8/2022 12:01	47.6	33.7	4.3	14.4	-0.3	-0.3	-33.2	69.7	18.9	Valve Adjustment:Closed valve >1 turn,Valve 50% open
OMTLTS19	2/23/2022 11:35	38.0	27.7	7.8	26.5	-0.5	-0.4	-39.9	68.1	20.2	Valve Adjustment:Closed valve 1/2 turn to 1 turn,Valve 15% open
OMTLTS20	2/8/2022 11:56	35.1	27.6	3.3	34.0	-0.4	-0.4	-33.5	69.3	25.9	Valve Adjustment:Closed valve 1/2 turn or less,Valve 25% open
OMTLTS20	2/23/2022 11:29	31.7	25.5	5.3	37.5	-0.6	-0.5	-39.4	67.7	24.4	Valve Adjustment:Closed valve 1/2 turn to 1 turn,Valve 10% open
OXEW133B	2/3/2022 12:14	19.3	26.5	3.2	51.0	-7.7	-7.2	-26.3	71.0	123.3	Valve Adjustment:No Change,Valve at minimum position
OXEW133B	2/17/2022 12:31	17.6	25.0	4.3	53.1	-7.2	-7.1	-34.8	73.6	79.1	Valve Adjustment:No Change,Valve at minimum position
OXEW134A	2/3/2022 12:11	50.7	40.6	0.0	8.7	-12.1	-14.8	-32.9	78.2	42.8	Valve Adjustment:No Change
OXEW134A	2/17/2022 12:29	52.0	41.0	0.0	7.0	-10.2	-10.2	-38.4	80.8	17.9	Valve Adjustment:No Change
OXEW134B	2/3/2022 12:09	32.0	30.3	0.7	37.0	-22.3	-22.3	-32.3	74.9	90.7	Valve Adjustment:No Change,Valve at minimum position
OXEW134B	2/17/2022 12:25	49.1	40.8	0.1	10.0	-24.9	-25.0	-37.0	80.6	77.2	Valve Adjustment:No Change
OXEW137B	2/9/2022 13:24	57.0	42.9	0.1	0.0	-25.0	-25.1	-24.8	71.9	17.8	Valve Adjustment:No Change,Valve 100% open
OXEW137B	2/24/2022 9:47	57.0	43.0	0.0	0.0	-35.6	-35.6	-35.9	69.9	18.5	Valve Adjustment:No Change,Valve 100% open
OXEW1601	2/7/2022 12:17	48.4	38.4	0.8	12.4	-21.8	-21.9	-22.8	125.0	0.0	Valve Adjustment:No Change
OXEW1601	2/16/2022 11:57	48.1	37.6	1.0	13.3	-10.3	-10.2	-37.5	121.6	73.5	Valve Adjustment:No Change
OXEW1602	2/4/2022 12:05	58.5	40.8	0.4	0.3	-35.8	-35.8	-37.0	127.7	44.9	Valve Adjustment:No Change,Valve 100% open
OXEW1602	2/16/2022 12:35	57.8	42.2	0.0	0.0	-35.4	-35.4	-35.9	127.8	43.7	Valve Adjustment:No Change,Valve 100% open
OXEW1603	2/7/2022 11:58	56.0	41.5	0.0	2.5	-27.6	-27.6	-29.5	126.2	59.4	Valve Adjustment:No Change

OXEW1603	2/16/2022 11:41	56.6	42.1	0.0	1.3	-32.7	-32.8	-33.8	126.6	88.1	Valve Adjustment:No Change
OXEW1604	2/4/2022 12:26	55.1	43.1	0.3	1.5	-2.6	-2.6	-31.6	125.8	11.7	Valve Adjustment:No Change,Valve 10% open
OXEW1604	2/16/2022 12:45	54.8	43.6	0.4	1.2	-2.2	-2.2	-31.6	125.8	0.0	Valve Adjustment:No Change
OXEW1611	2/7/2022 12:43	57.3	42.5	0.0	0.2	-28.1	-28.1	-28.1	75.0	2.0	Valve Adjustment:No Change,Valve 100% open
OXEW1611	2/18/2022 12:17	59.1	40.8	0.1	0.0	-32.9	-32.9	-32.8	78.4	3.1	Valve Adjustment:No Change,Valve 100% open
OXEW1612	2/4/2022 11:58	57.0	40.8	0.0	2.2	-25.4	-25.3	-37.2	123.3	27.0	Valve Adjustment:No Change
OXEW1612	2/16/2022 12:29	56.0	42.5	0.0	1.5	-25.2	-25.3	-36.1	123.6	27.3	Valve Adjustment:No Change
OXEW1613	2/4/2022 12:30	55.7	43.0	0.1	1.2	-8.9	-8.9	-34.9	127.3	33.6	Valve Adjustment:No Change
OXEW1613	2/16/2022 12:48	55.5	43.4	0.2	0.9	-8.6	-8.5	-33.5	127.3	36.7	Valve Adjustment:No Change
OXEW1614	2/4/2022 12:35	49.3	40.3	0.0	10.4	-1.4	-1.4	-37.1	117.1	15.5	Valve Adjustment:No Change,Valve 5% open
OXEW1614	2/16/2022 12:55	51.1	41.5	0.0	7.4	-1.1	-1.1	-36.3	118.1	16.3	Valve Adjustment:No Change
OXEW1616	2/4/2022 12:43	52.6	41.3	0.0	6.1	-18.7	-18.7	-33.2	115.8	27.2	Valve Adjustment:No Change
OXEW1616	2/16/2022 13:05	51.1	41.8	0.0	7.1	-18.7	-18.7	-32.5	116.0	29.3	Valve Adjustment:No Change
OXEW1617	2/4/2022 11:55	51.3	40.2	0.0	8.5	-5.0	-5.0	-38.7	130.2	19.8	Valve Adjustment:No Change,Valve 25% open
OXEW1617	2/17/2022 12:04	51.2	39.6	0.0	9.2	-5.1	-5.1	-38.6	130.1	20.6	Valve Adjustment:Closed valve 1/2 turn or less,Valve 25% open
OXEW1618	2/4/2022 12:20	50.4	41.6	0.0	8.0	-1.3	-1.3	-36.2	128.7	38.8	Valve Adjustment:No Change,Valve 20% open
OXEW1618	2/16/2022 12:52	52.9	43.6	0.1	3.4	-1.0	-1.0	-34.9	129.2	38.8	Valve Adjustment:No Change,Valve 20% open
OXEW1619	2/2/2022 8:27	58.0	42.0	0.0	0.0	-37.4	-37.4	-38.5	121.9	16.6	Valve Adjustment:No Change,Valve 100% open
OXEW1619	2/18/2022 11:50	57.2	42.7	0.1	0.0	-37.5	-37.5	-38.1	124.0	13.6	Valve Adjustment:No Change,Valve 100% open
OXEW1620	2/2/2022 8:20	47.1	37.4	0.0	15.5	-9.8	-9.7	-39.2	108.8	7.8	Valve Adjustment:Closed valve 1/2 turn or less,Valve 20% open
OXEW1620	2/18/2022 11:52	55.3	40.1	0.0	4.6	-4.1	-4.1	-38.1	116.9	8.8	Valve Adjustment:No Change,Valve 20% open
OXEW1621	2/8/2022 9:51	55.6	44.2	0.0	0.2	-0.2	-0.3	-36.5	117.0	34.3	Valve Adjustment:Opened valve 1/2 turn or less
OXEW1621	2/18/2022 11:15	54.6	44.6	0.0	0.8	-0.3	-0.4	-38.4	120.6	9.1	Valve Adjustment:Opened valve 1/2 turn or less
OXEW1622	2/2/2022 8:35	51.6	39.8	2.2	6.4	-7.4	-7.3	-39.0	122.2	15.3	Valve Adjustment:Closed valve 1/2 turn or less
OXEW1622	2/18/2022 11:46	52.6	40.0	1.9	5.5	-7.1	-7.1	-37.8	124.5	45.3	Valve Adjustment:No Change
OXEW1701	2/4/2022 9:42	59.7	40.3	0.0	0.0	-36.2	-36.2	-37.0	119.1	17.0	Valve Adjustment:No Change,Valve 100% open
OXEW1701	2/17/2022 12:44	60.2	39.0	0.0	0.8	-35.6	-35.4	-36.5	120.4	18.0	Valve Adjustment:No Change,Valve 100% open
OXEW1702	2/4/2022 13:17	58.5	41.5	0.0	0.0	-33.1	-33.1	-36.0	123.7	41.1	Valve Adjustment:No Change,Valve 100% open
OXEW1702	2/16/2022 13:37	57.8	42.2	0.0	0.0	-31.9	-31.8	-34.7	123.9	40.6	Valve Adjustment:No Change,Valve 100% open
OXEW1703	2/4/2022 13:07	56.9	43.1	0.0	0.0	-32.3	-32.6	-33.3	127.4	22.6	Valve Adjustment:No Change,Valve 100% open
OXEW1703	2/16/2022 13:30	56.7	43.3	0.0	0.0	-32.4	-32.3	-33.0	127.6	11.9	Valve Adjustment:No Change,Valve 100% open
OXEW1705	2/7/2022 11:42	58.2	41.2	0.0	0.6	-30.8	-30.8	-30.7	89.8	1.0	Valve Adjustment:No Change,Valve 100% open
OXEW1705	2/16/2022 11:21	56.5	41.9	0.3	1.3	-35.9	-35.8	-35.6	96.9	4.9	Valve Adjustment:No Change,Valve 100% open
OXEW1715	2/3/2022 11:22	55.2	41.1	0.1	3.6	-19.7	-19.8	-33.4	63.1	0.4	Valve Adjustment:No Change,Valve 25% open
OXEW1715	2/17/2022 11:32	55.6	41.5	0.1	2.8	-23.1	-23.0	-39.7	67.5	0.3	Valve Adjustment:No Change,Valve 25% open

OXEW1716	2/2/2022 9:55	56.8	38.8	0.1	4.3	-40.1	-40.1	-40.4	81.8	6.5	Valve Adjustment:No Change,Valve 100% open
OXEW1716	2/16/2022 11:09	56.9	41.6	0.1	1.4	-39.3	-39.3	-39.0	88.2	8.2	Valve Adjustment:No Change,Valve 100% open
OXEW1717	2/2/2022 10:04	57.5	37.3	0.2	5.0	-38.6	-39.3	-42.1	105.7	3.8	Valve Adjustment:Opened valve 1/2 turn or less,Valve 60% open
OXEW1717	2/16/2022 11:20	55.1	39.3	0.4	5.2	-39.1	-39.6	-40.4	107.2	4.1	Valve Adjustment:Opened valve 1/2 turn to 1 turn,Valve 80% open
OXEW1801	2/4/2022 12:37	56.8	42.8	0.2	0.2	-2.4	-2.4	-37.5	102.1	2.1	Valve Adjustment:No Change,Valve 10% open
OXEW1801	2/16/2022 12:58	56.4	43.6	0.0	0.0	-1.7	-1.7	-36.1	102.3	2.7	Valve Adjustment:No Change,Valve 10% open
OXEW1804	2/4/2022 12:11	56.9	43.1	0.0	0.0	-36.2	-36.2	-37.8	125.6	16.9	Valve Adjustment:No Change,Valve 100% open
OXEW1804	2/16/2022 12:42	56.4	43.6	0.0	0.0	-36.2	-36.1	-36.3	123.6	14.2	Valve Adjustment:No Change,Valve 100% open
OXEW1805	2/4/2022 12:08	57.3	41.2	0.2	1.3	-24.5	-24.4	-36.9	124.0	18.8	Valve Adjustment:No Change,Valve 50% open
OXEW1805	2/16/2022 12:39	56.5	43.4	0.1	0.0	-24.9	-24.9	-36.2	121.3	17.0	Valve Adjustment:No Change,Valve 50% open
OXEW1806	2/4/2022 12:12	43.9	37.6	0.0	18.5	-0.6	-0.5	-39.3	121.6	13.1	Valve Adjustment:Closed valve 1/2 turn or less,Valve 10% open
OXEW1806	2/8/2022 10:15	46.0	38.8	0.0	15.2	-0.5	-0.4	-34.6	121.0	12.4	Valve Adjustment:Closed valve 1/2 turn or less,Valve 10% open
OXEW1806	2/17/2022 13:41	45.4	38.0	0.0	16.6	-0.4	-0.4	-39.0	122.1	11.6	Valve Adjustment:Closed valve 1/2 turn or less,Valve 5% open
OXEW1807	2/4/2022 12:53	52.2	40.5	0.3	7.0	-21.7	-21.7	-41.0	130.4	60.8	Valve Adjustment:No Change,Valve 50% open
OXEW1807	2/16/2022 13:15	52.5	40.4	0.3	6.8	-21.1	-20.3	-39.3	130.3	59.7	Valve Adjustment:Closed valve 1/2 turn or less,Valve 45% open
OXEW1808	2/7/2022 11:29	51.2	33.6	3.4	11.8	-31.3	-31.3	-31.4	67.0	6.7	Valve Adjustment:No Change,Valve 75% open
OXEW1808	2/16/2022 11:09	54.0	38.3	1.4	6.3	-35.2	-35.3	-34.7	81.9	6.2	Valve Adjustment:No Change,Valve 80% open
OXEW1809	2/7/2022 12:20	54.8	40.8	0.0	4.4	-26.0	-25.9	-29.9	114.5	48.0	Valve Adjustment:No Change,Valve 100% open
OXEW1809	2/16/2022 12:04	54.2	40.9	0.1	4.8	-29.6	-29.6	-34.9	115.0	54.0	Valve Adjustment:No Change,Valve 100% open
OXEW1810	2/1/2022 11:34	56.5	36.4	0.8	6.3	-31.3	-31.3	-38.5	64.1	2.3	Valve Adjustment:Opened valve 1/2 turn or less,Valve 5% open
OXEW1810	2/16/2022 9:15	55.5	34.5	0.4	9.6	-28.7	-28.8	-36.0	66.4	2.4	Valve Adjustment:Valve at minimum position,Opened valve 1/2 turn or less
OXEW1811	2/10/2022 10:40	51.5	35.8	2.5	10.2	-16.2	-16.0	-30.6	72.8	9.1	Valve Adjustment:Closed valve 1/2 turn or less,Valve 30% open
OXEW1811	2/17/2022 11:24	52.1	35.2	2.6	10.1	-15.3	-14.9	-37.8	73.4	7.8	Valve Adjustment:Closed valve 1/2 turn or less,Valve 20% open
OXEW1812	2/10/2022 11:09	53.2	38.7	0.0	8.1	-16.9	-16.9	-32.1	125.6	35.1	Valve Adjustment:Opened valve 1/2 turn or less,Valve 40% open
OXEW1812	2/18/2022 13:26	52.3	37.9	0.3	9.5	-18.5	-18.6	-39.0	126.3	49.1	Valve Adjustment:No Change,Valve 40% open
OXEW1813	2/4/2022 12:46	57.8	42.2	0.0	0.0	-37.0	-37.0	-37.4	116.0	8.1	Valve Adjustment:No Change,Valve 100% open
OXEW1813	2/16/2022 13:08	57.1	42.3	0.0	0.6	-37.0	-36.9	-36.9	116.6	10.6	Valve Adjustment:No Change,Valve 100% open
OXEW1815	2/8/2022 10:38	52.0	38.1	0.0	9.9	-7.7	-7.6	-34.6	126.1	25.3	Valve Adjustment:No Change,Valve 35% open
OXEW1815	2/17/2022 13:06	53.2	36.3	0.0	10.5	-9.5	-9.5	-40.5	126.0	28.5	Valve Adjustment:Opened valve 1/2 turn or less,Valve 35% open
OXEW1816	2/4/2022 13:25	58.3	41.7	0.0	0.0	-18.6	-18.6	-38.1	116.5	105.9	Valve Adjustment:No Change,Valve 100% open
OXEW1816	2/16/2022 12:10	58.1	41.4	0.0	0.5	-18.7	-18.7	-37.8	116.9	104.1	Valve Adjustment:No Change,Valve 100% open
OXEW1817	2/7/2022 12:58	56.8	41.9	0.0	1.3	-29.4	-29.4	-30.2	106.2	17.5	Valve Adjustment:No Change,Valve 100% open
OXEW1817	2/18/2022 12:32	58.8	40.6	0.0	0.6	-34.1	-33.9	-34.5	106.9	8.0	Valve Adjustment:No Change,Valve 100% open
OXEW1821	2/1/2022 10:46	39.8	25.7	0.0	34.5	-0.1	-0.1	-38.7	61.3	0.3	Valve Adjustment:No Change,Valve at minimum position
OXEW1821	2/16/2022 9:58	40.5	25.3	0.0	34.2	-0.1	-0.1	-39.1	69.4	0.2	Valve Adjustment:No Change,Valve at minimum position

OXEW1822	2/1/2022 11:06	39.9	29.0	0.0	31.1	-0.2	-0.2	-38.5	61.7	0.1	Valve Adjustment:No Change,Valve at minimum position
OXEW1822	2/16/2022 9:55	32.7	27.4	0.1	39.8	-0.2	-0.2	-38.9	68.4	0.3	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less
OXEW1823	2/1/2022 11:10	22.5	28.4	0.0	49.1	-0.2	-0.2	-38.2	61.6	0.2	Valve Adjustment:No Change,Valve at minimum position
OXEW1823	2/16/2022 9:51	24.8	28.6	0.0	46.6	-0.1	-0.1	-39.2	69.1	0.1	Valve Adjustment:No Change,Valve at minimum position
OXEW1824	2/1/2022 11:36	63.5	36.0	0.1	0.4	-38.5	-38.5	-38.4	62.9	3.2	Valve Adjustment:No Change,Valve 100% open
OXEW1824	2/16/2022 9:39	64.1	33.7	0.0	2.2	-38.9	-38.8	-38.9	68.1	1.2	Valve Adjustment:No Change,Valve 100% open
OXEW1825	2/1/2022 11:31	51.0	36.6	0.2	12.2	-3.2	-3.2	-38.7	64.4	0.8	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less
OXEW1825	2/16/2022 9:13	53.2	35.0	0.3	11.5	-2.2	-2.2	-35.1	66.5	0.4	Valve Adjustment:Valve at minimum position,Opened valve 1/2 turn or less
OXEW1826	2/3/2022 13:19	44.5	39.1	0.4	16.0	-4.7	-4.7	-36.1	84.2	7.1	Valve Adjustment:No Change,Valve 5% open
OXEW1826	2/10/2022 9:59	52.0	37.6	0.1	10.3	-2.9	-2.9	-32.2	81.8	4.5	Valve Adjustment:No Change,Valve 5% open
OXEW1826	2/18/2022 13:43	48.2	39.1	0.7	12.0	-1.6	-1.6	-38.8	82.7	4.2	Valve Adjustment:No Change,Valve 5% open
OXEW1901	2/2/2022 8:11	58.3	41.1	0.2	0.4	-39.2	-39.2	-39.3	50.2	5.7	Valve Adjustment:No Change,Valve 100% open
OXEW1901	2/18/2022 12:02	57.2	42.8	0.0	0.0	-38.9	-39.0	-38.6	77.2	1.4	Valve Adjustment:No Change,Valve 100% open
OXEW1902	2/4/2022 13:11	43.9	35.4	4.6	16.1	-35.9	-35.9	-36.3	71.3	8.9	Valve Adjustment:No Change
OXEW1902	2/16/2022 13:33	56.8	43.2	0.0	0.0	-35.2	-35.1	-35.3	72.0	12.6	Valve Adjustment:No Change,Valve 100% open
OXEW1904	2/4/2022 13:03	51.1	40.4	0.0	8.5	-14.4	-14.4	-39.3	115.8	40.8	Valve Adjustment:No Change,Valve 50% open
OXEW1904	2/7/2022 11:18	52.2	36.4	0.1	11.3	-13.0	-13.1	-32.9	109.3	37.8	Valve Adjustment:Opened valve 1/2 turn or less,Valve 55% open
OXEW1904	2/16/2022 13:26	51.2	39.2	0.0	9.6	-14.2	-14.2	-39.0	114.8	41.6	Valve Adjustment:No Change,Valve 50% open
OXEW1908	2/10/2022 12:20	59.6	39.8	0.0	0.6	-24.1	-24.1	-27.7	112.2	29.9	Valve Adjustment:No Change,Valve 100% open
OXEW1908	2/18/2022 13:14	58.8	41.1	0.1	0.0	-29.0	-29.0	-33.3	111.9	24.2	Valve Adjustment:No Change,Valve 100% open
OXEW1909	2/10/2022 13:05	50.7	49.2	0.1	0.0	-29.2	-29.2	-29.4	77.7	4.8	Valve Adjustment:No Change,Valve 100% open
OXEW1909	2/24/2022 10:47	53.4	46.6	0.0	0.0	-30.5	-29.8	-30.9	75.1	9.5	Valve Adjustment:No Change,Valve 100% open
OXEW1910	2/10/2022 12:32	58.0	39.5	0.1	2.4	-22.4	-22.4	-30.1	113.9	29.7	Valve Adjustment:No Change,Valve 100% open
OXEW1910	2/18/2022 13:30	56.2	40.0	0.1	3.7	-26.6	-26.5	-35.7	113.6	30.7	Valve Adjustment:No Change,Valve 100% open
OXEW1911	2/4/2022 12:02	57.5	40.3	0.4	1.8	-26.9	-26.9	-39.9	129.3	14.5	Valve Adjustment:No Change,Valve 35% open
OXEW1911	2/16/2022 12:33	56.9	41.5	0.3	1.3	-23.3	-23.3	-38.8	130.1	13.5	Valve Adjustment:No Change,Valve 35% open
OXEW1912	2/7/2022 12:08	54.7	41.7	0.0	3.6	-35.5	-35.5	-42.8	122.1	55.7	Valve Adjustment:No Change,Valve 40% open
OXEW1912	2/16/2022 11:50	54.6	41.7	0.0	3.7	-20.8	-20.8	-38.6	123.1	38.0	Valve Adjustment:No Change,Valve 40% open
OXEW1913	2/10/2022 9:52	59.6	38.0	0.0	2.4	-15.4	-15.5	-32.4	95.2	18.1	Valve Adjustment:Opened valve 1/2 turn or less,Valve 30% open
OXEW1913	2/18/2022 13:35	55.0	44.3	0.0	0.7	-17.7	-17.6	-39.3	95.9	27.1	Valve Adjustment:No Change,Valve 25% open
OXEW1914	2/10/2022 10:52	58.2	39.6	0.0	2.2	-31.4	-31.5	-31.7	102.0	5.5	Valve Adjustment:No Change,Valve 100% open
OXEW1914	2/17/2022 11:05	59.3	39.1	0.0	1.6	-39.2	-39.3	-39.4	101.7	4.3	Valve Adjustment:No Change,Valve 100% open
OXEW1915	2/2/2022 10:23	42.7	35.7	0.1	21.5	-4.8	-3.6	-42.1	56.7	9.6	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less
OXEW1915	2/16/2022 11:38	53.8	38.4	0.0	7.8	-2.4	-2.7	-41.8	63.1	5.6	Valve Adjustment:Valve at minimum position,Opened valve 1/2 turn or less
OXEW1916	2/2/2022 11:02	38.7	21.2	7.7	32.4	-40.2	-31.2	-41.0	63.2	0.5	Valve Adjustment:NSPS/CAI,Valve at minimum position,Closed valve 1/2 turn to 1 turn

OXEW1916	2/2/2022 11:05	47.2	25.5	5.2	22.1	-40.1	-40.0	-41.0	64.0	0.3	Valve Adjustment:NSPS/CAI,Valve at minimum position,Closed valve 1/2 turn or less
OXEW1916	2/11/2022 10:35	55.3	33.7	1.7	9.3	-34.7	-34.7	-34.8	78.4	0.1	Valve Adjustment:No Change,Valve 5% open
OXEW1916	2/16/2022 12:25	51.9	32.4	3.1	12.6	-39.7	-39.8	-39.6	72.7	0.3	Valve Adjustment:No Change,Valve at minimum position
OXEW1917	2/3/2022 10:50	58.7	39.3	0.2	1.8	-12.6	-12.5	-38.7	77.2	2.5	Valve Adjustment:No Change,Valve at minimum position
OXEW1917	2/17/2022 10:59	57.6	41.4	0.0	1.0	-15.3	-17.3	-40.8	74.7	2.7	Valve Adjustment:Opened valve 1/2 turn or less,Valve 5% open
OXEW1918	2/1/2022 10:21	21.8	27.7	0.4	50.1	-0.1	-0.1	-39.1	64.8	1.5	Valve Adjustment:No Change,Valve at minimum position
OXEW1918	2/16/2022 9:18	12.9	24.2	1.3	61.6	-0.1	-0.1	-38.6	70.8	0.1	Valve Adjustment:No Change,Valve at minimum position
OXEW1919	2/1/2022 10:55	58.1	38.0	0.0	3.9	-0.3	-0.4	-38.2	70.4	2.1	Valve Adjustment:Valve at minimum position,Opened valve 1/2 turn or less
OXEW1919	2/16/2022 10:05	34.1	31.5	0.0	34.4	-3.0	-2.4	-38.8	72.8	0.9	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less
OXEW1920	2/1/2022 10:41	35.1	30.0	0.5	34.4	-0.1	-0.1	-38.4	66.8	0.9	Valve Adjustment:No Change,Valve at minimum position
OXEW1920	2/16/2022 10:03	34.7	28.5	0.8	36.0	-0.1	-0.1	-39.0	75.3	0.7	Valve Adjustment:No Change,Valve at minimum position
OXEW1921	2/1/2022 11:24	52.1	39.6	0.8	7.5	-36.5	-36.4	-39.3	109.1	29.8	Valve Adjustment:Closed valve 1/2 turn or less,Valve 75% open
OXEW1921	2/16/2022 10:23	51.5	38.7	0.8	9.0	-36.1	-36.1	-39.2	111.0	27.7	Valve Adjustment:Closed valve 1/2 turn or less,Valve 75% open
OXEW2001	2/2/2022 10:44	48.5	36.2	0.0	15.3	-2.3	-2.1	-40.5	129.8	15.4	Valve Adjustment:Closed valve 1/2 turn or less,Valve 15% open
OXEW2001	2/16/2022 12:05	41.7	36.6	0.0	21.7	-2.4	-2.3	-37.9	123.7	10.9	Valve Adjustment:Closed valve 1/2 turn to 1 turn,Valve 15% open
OXEW2002	2/2/2022 11:35	57.0	38.8	0.0	4.2	-36.4	-36.4	-43.1	119.2	33.8	Valve Adjustment:Opened valve 1/2 turn to 1 turn,Valve 65% open
OXEW2002	2/16/2022 12:43	54.8	41.1	0.1	4.0	-36.2	-36.3	-41.3	120.6	37.1	Valve Adjustment:Opened valve 1/2 turn or less,Valve 70% open
OXEW2003	2/2/2022 10:00	56.0	38.7	0.1	5.2	-42.1	-42.1	-42.7	113.7	3.7	Valve Adjustment:No Change,Valve 100% open
OXEW2003	2/16/2022 11:17	54.8	41.0	0.2	4.0	-41.7	-41.7	-41.6	114.8	3.6	Valve Adjustment:No Change,Valve 100% open
OXEW2004	2/2/2022 9:51	57.5	38.0	0.0	4.5	-35.3	-34.9	-44.0	129.1	48.3	Valve Adjustment:Opened valve 1/2 turn to 1 turn,Valve 80% open
OXEW2004	2/16/2022 11:05	55.2	40.5	0.0	4.3	-35.0	-35.4	-41.8	129.5	50.5	Valve Adjustment:Valve 100% open,Opened valve 1/2 turn to 1 turn
OXEW2005	2/1/2022 11:27	53.9	41.7	0.0	4.4	-3.1	-3.2	-39.3	122.5	6.2	Valve Adjustment:Opened valve 1/2 turn or less,Valve 25% open
OXEW2005	2/16/2022 10:25	53.2	41.4	0.0	5.4	-3.6	-3.6	-39.5	124.0	7.3	Valve Adjustment:No Change,Valve 25% open
OXEW2006	2/1/2022 11:13	15.2	9.5	16.5	58.8	-3.0	-2.3	-38.7	62.8	4.3	Valve Adjustment:NSPS/CAI,Valve at minimum position,Closed valve 1/2 turn or less
OXEW2006	2/1/2022 11:15	12.3	7.5	17.6	62.6	-0.1	-0.1	-39.2	62.0	0.8	Valve Adjustment:NSPS/CAI,Valve at minimum position,Closed valve 1/2 turn or less
OXEW2006	2/11/2022 10:11	52.0	29.4	2.2	16.4	-0.1	-0.1	-34.1	75.0	0.7	Valve Adjustment:No Change,Valve at minimum position
OXEW2006	2/16/2022 10:12	12.5	7.9	16.9	62.7	-0.1	-0.1	-38.3	72.1	0.4	Valve Adjustment:NSPS/CAI,Valve at minimum position,Opened valve 1/2 turn or less
OXEW2006	2/16/2022 10:16	8.6	5.4	18.4	67.6	-0.5	-0.1	-39.2	72.1	1.3	Valve Adjustment:NSPS/CAI,Valve at minimum position,Closed valve 1/2 turn or less
OXEW2007	2/1/2022 11:20	58.2	41.4	0.2	0.2	-37.4	-37.4	-38.9	108.6	25.0	Valve Adjustment:No Change,Valve 100% open
OXEW2007	2/16/2022 9:42	58.7	39.0	0.1	2.2	-36.9	-36.9	-38.6	109.7	25.1	Valve Adjustment:No Change,Valve 100% open
OXEW2008	2/1/2022 10:31	63.0	32.2	0.7	4.1	-38.7	-38.7	-38.6	60.0	1.9	Valve Adjustment:No Change,Valve 100% open
OXEW2008	2/16/2022 9:44	64.3	31.7	0.5	3.5	-38.8	-38.8	-39.0	67.4	2.9	Valve Adjustment:No Change,Valve 100% open
OXEW2009	2/3/2022 10:41	53.1	41.9	1.1	3.9	-38.4	-38.4	-38.7	101.3	18.8	Valve Adjustment:No Change,Valve 100% open
OXEW2009	2/17/2022 10:54	57.0	42.2	0.0	0.8	-41.5	-41.7	-41.5	97.1	16.0	Valve Adjustment:No Change,Valve 100% open
OXEW2010	2/3/2022 10:53	58.1	41.5	0.0	0.4	-15.1	-15.1	-37.7	75.3	2.8	Valve Adjustment:No Change,Valve at minimum position

OXEW2010	2/16/2022 11:16	58.4	41.4	0.0	0.2	-27.6	-27.6	-28.9	105.6	2.5	Valve Adjustment:No Change,Valve 100% open
OXEW2011	2/2/2022 10:57	57.6	39.0	0.0	3.4	-3.2	-3.3	-40.2	105.0	10.6	Valve Adjustment:Opened valve 1/2 turn or less,Valve 15% open
OXEW2011	2/16/2022 12:19	56.2	41.6	0.0	2.2	-2.9	-3.0	-39.9	108.2	10.9	Valve Adjustment:Opened valve 1/2 turn or less,Valve 15% open
OXEW2012	2/2/2022 11:21	53.1	37.1	0.6	9.2	-34.1	-34.1	-43.8	109.1	21.0	Valve Adjustment:Opened valve 1/2 turn or less,Valve 45% open
OXEW2012	2/16/2022 11:57	52.4	39.1	0.7	7.8	-32.3	-32.3	-43.5	110.5	22.1	Valve Adjustment:No Change,Valve 40% open
OXEW2016	2/7/2022 11:51	55.9	41.0	0.4	2.7	-18.5	-18.5	-32.8	130.4	32.0	Valve Adjustment:No Change,Valve 40% open
OXEW2016	2/16/2022 11:32	56.1	42.7	0.3	0.9	-21.0	-21.0	-37.1	130.4	35.6	Valve Adjustment:No Change,Valve 45% open
OXEW2017	2/7/2022 12:05	55.5	40.5	0.5	3.5	-0.1	-0.1	-31.5	111.2	1.0	Valve Adjustment:No Change,Valve 15% open
OXEW2017	2/16/2022 11:44	52.8	39.2	1.2	6.8	-0.4	-0.4	-36.5	111.8	3.2	Valve Adjustment:No Change,Valve 15% open
OXEW2019	2/2/2022 7:47	56.6	41.4	0.0	2.0	-12.9	-12.9	-32.1	95.6	60.9	Valve Adjustment:No Change,Valve 100% open
OXEW2019	2/10/2022 14:55	56.7	40.6	0.0	2.7	-13.4	-13.4	-25.9	96.1	48.1	Valve Adjustment:No Change,Valve 100% open
OXEW2019	2/24/2022 11:24	55.5	42.6	0.0	1.9	-18.3	-18.5	-30.8	93.8	49.0	Valve Adjustment:No Change,Valve 100% open
OXEW2020	2/8/2022 10:30	59.0	41.0	0.0	0.0	-4.6	-4.0	-33.7	131.9	9.6	Valve Adjustment:NSPS/CAI,Closed valve 1/2 turn to 1 turn,Valve 5% open
OXEW2020	2/8/2022 10:32	58.9	41.1	0.0	0.0	-3.8	-3.8	-33.8	130.2	8.1	Valve Adjustment:Opened valve 1/2 turn or less,Valve 10% open
OXEW2020	2/17/2022 13:09	59.2	39.2	0.0	1.6	-7.1	-6.5	-39.5	132.9	11.5	Valve Adjustment:Closed valve 1/2 turn to 1 turn,Valve 5% open
OXEW2020	2/17/2022 13:11	59.1	39.7	0.0	1.2	-6.1	-6.2	-39.4	130.3	9.4	Valve Adjustment:Opened valve 1/2 turn or less,Valve 10% open
OXEW2021	2/8/2022 10:53	42.8	30.3	4.9	22.0	-3.7	-3.7	-33.6	97.7	2.7	Valve Adjustment:Closed valve 1/2 turn or less,Valve 25% open
OXEW2021	2/17/2022 12:51	48.7	32.3	3.3	15.7	-2.3	-2.0	-39.6	94.7	1.8	Valve Adjustment:Closed valve 1/2 turn or less,Valve 25% open
OXEW2022	2/4/2022 9:55	59.0	41.0	0.0	0.0	-21.7	-25.1	-42.0	128.6	28.6	Valve Adjustment:Opened valve 1/2 turn to 1 turn,Valve 50% open
OXEW2022	2/17/2022 12:34	58.6	39.4	0.0	2.0	-29.4	-30.4	-39.3	128.9	33.3	Valve Adjustment:Opened valve 1/2 turn to 1 turn,Valve 65% open
OXEW2023	2/7/2022 11:32	59.1	39.5	0.0	1.4	-29.0	-29.0	-31.2	122.7	5.2	Valve Adjustment:No Change,Valve 100% open
OXEW2023	2/16/2022 11:13	58.4	41.6	0.0	0.0	-33.8	-33.8	-35.2	123.2	7.6	Valve Adjustment:No Change,Valve 100% open
OXEW2024	2/7/2022 12:49	50.0	39.2	2.0	8.8	-3.9	-4.0	-31.6	111.9	58.1	Valve Adjustment:No Change,Valve 45% open
OXEW2024	2/10/2022 12:18	53.0	37.3	1.9	7.8	-3.8	-3.8	-30.9	111.8	55.7	Valve Adjustment:No Change,Valve 45% open
OXEW2024	2/18/2022 12:30	49.8	37.5	2.2	10.5	-4.6	-4.4	-37.1	112.1	60.3	Valve Adjustment:Closed valve 1/2 turn or less,Valve 45% open
OXEW2025	2/7/2022 9:47	57.3	39.2	0.0	3.5	-26.0	-25.9	-31.5	98.6	63.7	Valve Adjustment:No Change,Valve 100% open
OXEW2025	2/18/2022 13:07	57.4	41.8	0.0	0.8	-27.8	-27.8	-32.2	99.5	55.5	Valve Adjustment:No Change,Valve 100% open
OXEW2026	2/9/2022 15:38	57.6	41.3	0.1	1.0	-18.2	-18.2	-29.0	98.1	82.5	Valve Adjustment:No Change,Valve 100% open
OXEW2026	2/18/2022 13:03	57.3	42.7	0.0	0.0	-25.6	-25.6	-40.1	98.1	95.0	Valve Adjustment:No Change,Valve 100% open
OXEW2027	2/10/2022 15:02	49.8	33.4	4.0	12.8	-28.4	-28.0	-28.6	80.8	8.6	Valve Adjustment:Closed valve 1/2 turn to 1 turn,Valve 5% open
OXEW2027	2/24/2022 11:46	49.9	32.6	3.5	14.0	-32.3	-32.4	-32.6	67.5	10.1	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less
OXEW2028	2/10/2022 13:06	23.2	17.9	12.9	46.0	-32.3	-32.2	-32.2	77.9	1.1	Valve Adjustment:NSPS/CAI,Closed valve >1 turn,Valve 30% open
OXEW2028	2/10/2022 13:11	26.4	17.7	11.7	44.2	-32.0	-32.1	-32.3	77.8	2.2	Valve Adjustment:NSPS/CAI,Valve at minimum position,Closed valve >1 turn
OXEW2028	2/18/2022 12:54	46.3	36.3	3.9	13.5	13.2	-2.4	-39.1	75.4	7.3	Valve Adjustment:Valve at minimum position,Opened valve 1/2 turn or less
OXEW2028	2/18/2022 13:01	51.8	43.8	0.6	3.8	-17.1	-17.2	-39.6	78.9	5.2	Valve Adjustment:No Change,Valve at minimum position

OXEW2029	2/4/2022 9:58	51.4	39.9	0.1	8.6	-11.1	-11.1	-40.4	120.6	36.3	Valve Adjustment:No Change,Valve 50% open
OXEW2029	2/17/2022 12:26	48.3	36.8	0.2	14.7	-11.1	-10.6	-40.1	121.2	36.4	Valve Adjustment:Closed valve 1/2 turn or less,Valve 45% open
OXEW2030	2/7/2022 11:45	56.2	42.3	0.0	1.5	-26.3	-26.3	-28.7	125.6	31.1	Valve Adjustment:No Change,Valve 100% open
OXEW2030	2/16/2022 11:24	55.6	42.6	0.0	1.8	-31.0	-31.0	-33.2	125.7	33.7	Valve Adjustment:No Change,Valve 100% open
OXEW2031	2/7/2022 11:48	55.7	41.5	0.2	2.6	-24.4	-24.3	-31.3	126.3	29.9	Valve Adjustment:No Change,Valve 100% open
OXEW2031	2/16/2022 11:27	55.7	42.2	0.0	2.1	-28.1	-28.2	-36.6	126.3	32.4	Valve Adjustment:No Change,Valve 100% open
OXEW2101	2/8/2022 9:28	49.6	39.6	0.0	10.8	-1.0	-1.0	-37.8	125.4	14.4	Valve Adjustment:No Change,Valve 20% open
OXEW2101	2/18/2022 11:01	50.6	39.7	0.0	9.7	-0.9	-0.8	-39.0	125.4	15.4	Valve Adjustment:Closed valve 1/2 turn or less,Valve 15% open
OXEW2102	2/7/2022 12:41	57.0	43.0	0.0	0.0	-27.5	-27.4	-28.1	94.5	8.3	Valve Adjustment:No Change,Valve 100% open
OXEW2102	2/18/2022 12:11	59.1	40.7	0.0	0.2	-30.2	-30.2	-33.1	102.3	37.5	Valve Adjustment:No Change,Valve 100% open
OXEW2103	2/7/2022 12:46	54.6	41.6	0.0	3.8	-6.7	-6.7	-32.7	101.9	61.7	Valve Adjustment:No Change,Valve 50% open
OXEW2103	2/18/2022 12:24	54.9	39.6	0.0	5.5	-7.8	-8.5	-38.0	102.0	65.6	Valve Adjustment:Opened valve 1/2 turn or less,Valve 55% open
OXEW2104	2/7/2022 12:36	56.2	42.9	0.0	0.9	-14.7	-14.7	-27.0	113.6	94.5	Valve Adjustment:No Change,Valve 100% open
OXEW2104	2/10/2022 12:06	58.3	40.5	0.0	1.2	-14.5	-14.5	-32.8	113.4	92.0	Valve Adjustment:No Change,Valve 100% open
OXEW2104	2/18/2022 12:45	57.3	42.5	0.1	0.1	-24.4	-24.4	-14.4	114.6	47.0	Valve Adjustment:No Change,Valve 100% open
OXEW2105	2/10/2022 12:26	58.7	39.2	0.0	2.1	-7.5	-7.5	-27.3	108.4	62.5	Valve Adjustment:No Change,Valve 100% open
OXEW2105	2/18/2022 13:20	57.6	40.3	0.0	2.1	-9.1	-9.1	-33.2	108.3	68.7	Valve Adjustment:No Change,Valve 100% open
OXEW2106	2/7/2022 12:18	54.0	39.0	0.0	7.0	-21.9	-21.9	-23.1	114.5	16.5	Valve Adjustment:No Change,Valve 100% open
OXEW2106	2/16/2022 12:01	55.5	40.0	0.7	3.8	-24.9	-24.9	-26.0	115.7	18.3	Valve Adjustment:No Change,Valve 100% open
OXEW2107	2/2/2022 10:41	56.7	40.4	0.0	2.9	-23.0	-23.3	-30.1	116.9	10.9	Valve Adjustment:Opened valve 1/2 turn or less,Valve 35% open
OXEW2107	2/16/2022 12:01	55.9	42.2	0.0	1.9	-24.0	-25.5	-29.5	118.6	11.3	Valve Adjustment:Opened valve 1/2 turn to 1 turn,Valve 50% open
OXEW2108	2/2/2022 11:25	55.5	38.8	0.0	5.7	-17.3	-17.4	-42.0	120.0	20.5	Valve Adjustment:Opened valve 1/2 turn or less,Valve 30% open
OXEW2108	2/16/2022 12:39	54.1	41.1	0.0	4.8	-17.2	-17.2	-41.5	123.4	22.3	Valve Adjustment:Opened valve 1/2 turn or less,Valve 30% open
OXEW2109	2/2/2022 10:52	58.2	38.9	0.0	2.9	-1.1	-1.4	-42.1	64.0	1.0	Valve Adjustment:Opened valve 1/2 turn or less,Valve 5% open
OXEW2109	2/16/2022 12:13	49.7	36.5	0.0	13.8	-16.2	-16.0	-41.6	76.1	2.4	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less
OXEW2110	2/7/2022 11:39	59.0	40.6	0.0	0.4	-23.2	-23.2	-24.8	103.9	25.1	Valve Adjustment:No Change,Valve 100% open
OXEW2110	2/24/2022 12:03	59.9	38.6	0.0	1.5	-28.9	-28.9	-30.4	104.3	27.5	Valve Adjustment:No Change,Valve 100% open
OXEW2111	2/10/2022 14:50	56.8	40.4	0.0	2.8	-4.5	-4.8	-35.9	98.7	91.8	Valve Adjustment:Opened valve 1/2 turn or less,Valve 65% open
OXEW2111	2/24/2022 11:17	55.7	37.6	0.0	6.7	-6.4	-6.8	-41.3	97.8	103.4	Valve Adjustment:Opened valve 1/2 turn to 1 turn,Valve 75% open
OXEW2112	2/10/2022 12:43	57.9	39.6	0.0	2.5	-24.1	-24.3	-29.9	99.1	6.7	Valve Adjustment:No Change,Valve 100% open
OXEW2112	2/24/2022 10:42	55.8	43.6	0.0	0.6	-25.6	-25.9	-32.2	101.9	6.4	Valve Adjustment:No Change,Valve 100% open
OXEW2113	2/10/2022 12:39	55.4	37.6	0.0	7.0	-25.0	-25.2	-33.1	120.5	43.0	Valve Adjustment:Opened valve 1/2 turn or less,Valve 60% open
OXEW2113	2/24/2022 10:30	54.7	41.1	0.0	4.2	-26.7	-27.1	-35.7	120.4	46.0	Valve Adjustment:Opened valve 1/2 turn or less,Valve 65% open
OXEWHC6A	2/2/2022 10:15	40.9	39.6	0.0	19.5	-0.9	-0.8	-42.1	57.8	2.9	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less
OXEWHC6A	2/16/2022 11:28	48.3	40.9	0.0	10.8	-0.4	-0.4	-41.9	73.2	1.6	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less

OXHC1922	2/10/2022 12:35	51.5	36.2	1.8	10.5	-0.5	-0.5	-30.2	80.1	14.8	Valve Adjustment:No Change,Valve 35% open
OXHC1922	2/18/2022 13:35	48.9	36.4	2.3	12.4	-0.5	-0.5	-35.8	79.9	15.6	Valve Adjustment:Closed valve 1/2 turn or less,Valve 30% open
OXHC2000	2/7/2022 11:58	58.9	37.8	0.0	3.3	-11.5	-14.3	-34.5	77.6	22.5	Valve Adjustment:Opened valve 1/2 turn to 1 turn,Valve 65% open
OXHC2000	2/18/2022 13:03	57.9	42.0	0.1	0.0	-21.1	-22.2	-37.3	74.9	19.1	Valve Adjustment:Opened valve 10% or less,Valve 70% open
OXHC2001	2/7/2022 11:56	54.7	35.4	2.1	7.8	-2.6	-2.7	-34.4	72.7	25.1	Valve Adjustment:Opened valve 1/2 turn or less,Valve 25% open
OXHC2001	2/18/2022 13:05	59.3	40.7	0.0	0.0	-1.5	-1.7	-39.4	83.0	13.0	Valve Adjustment:Opened valve 10% or less,Valve 25% open
OXHC2013	2/3/2022 11:20	38.0	33.6	1.5	26.9	-1.0	-1.0	-33.7	68.4	5.9	Valve Adjustment:No Change,Valve at minimum position
OXHC2013	2/17/2022 11:30	46.6	36.8	0.9	15.7	-1.4	-1.4	-40.4	72.4	5.8	Valve Adjustment:No Change,Valve at minimum position
OXHC2014	2/10/2022 12:46	58.3	40.0	0.0	1.7	-0.3	-0.3	-29.5	78.2	25.5	Valve Adjustment:Opened valve 1/2 turn or less,Valve 40% open
OXHC2014	2/24/2022 10:33	57.2	41.4	0.0	1.4	-2.7	-3.0	-33.1	77.1	27.7	Valve Adjustment:Opened valve 1/2 turn to 1 turn,Valve 50% open
OXHC2015	2/4/2022 10:28	39.4	34.6	1.4	24.6	-2.6	-2.4	-45.0	67.2	51.7	Valve Adjustment:Closed valve 1/2 turn to 1 turn,Valve 40% open
OXHC2015	2/24/2022 8:43	40.2	33.3	1.3	25.2	-11.7	-11.0	-43.6	47.7	23.1	Valve Adjustment:Closed valve 1/2 turn to 1 turn,Valve 25% open
OXHC2101	2/7/2022 11:01	40.2	32.5	3.2	24.1	-0.5	-0.4	-32.0	101.2	27.7	Valve Adjustment:Closed valve 1/2 turn or less,Valve 10% open
OXHC2101	2/18/2022 12:37	48.8	39.1	0.5	11.6	-0.1	-0.1	-38.0	96.6	6.2	Valve Adjustment:No Change,Valve 10% open
OXLCR4A1	2/4/2022 10:39	47.9	37.3	1.0	13.8	-39.5	-40.2	-44.6	62.5	15.6	Valve Adjustment:No Change,Valve 55% open
OXLCR4A1	2/24/2022 8:53	49.4	36.5	0.4	13.7	-40.2	-31.8	-43.0	58.9	18.4	Valve Adjustment:Closed valve 1/2 turn or less,Valve 50% open
OXLCR4B1	2/4/2022 10:32	44.3	35.2	2.9	17.6	-2.2	-2.1	-44.2	63.3	4.1	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less
OXLCR4B1	2/24/2022 8:50	45.2	34.5	2.4	17.9	-2.6	-2.4	-42.9	48.4	3.1	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less
OXLCRS07	2/7/2022 11:51	59.7	36.1	0.3	3.9	-13.3	-13.3	-33.7	85.1	114.6	Valve Adjustment:No Change,Valve 100% open
OXLCRS07	2/18/2022 13:08	59.5	40.4	0.1	0.0	-14.2	-14.3	-40.4	85.2	128.1	Valve Adjustment:No Change,Valve 100% open
OXLCRS10	2/7/2022 11:03	54.9	34.4	1.9	8.8	-3.4	-3.6	-12.4	81.3	20.9	Valve Adjustment:Opened valve 1/2 turn or less,Valve 50% open
OXLCRS10	2/18/2022 12:41	47.3	33.4	4.0	15.3	-3.6	-2.5	-40.3	82.6	73.7	Valve Adjustment:Closed valve >10%,Valve 30% open
OXLCRS11	2/7/2022 11:05	37.5	28.1	6.3	28.1	-3.2	-3.0	-36.9	81.2	32.6	Valve Adjustment:NSPS/CAI,Closed valve 1/2 turn or less,Valve 55% open
OXLCRS11	2/7/2022 11:07	36.3	27.6	6.4	29.7	-2.4	-2.4	-36.0	81.5	28.3	Valve Adjustment:NSPS/CAI,Closed valve 1/2 turn or less,Valve 50% open
OXLCRS11	2/18/2022 12:43	50.6	39.8	1.2	8.4	-2.5	-2.5	-44.0	83.3	88.6	Valve Adjustment:No Change,Valve 55% open
OXLCRS3A	2/9/2022 13:32	57.7	42.3	0.0	0.0	-20.8	-21.2	-24.5	93.6	101.7	Valve Adjustment:No Change,Valve 100% open
OXLCRS3A	2/24/2022 9:42	57.5	42.5	0.0	0.0	-28.7	-28.1	-35.6	92.7	137.9	Valve Adjustment:No Change,Valve 100% open
OXLCRS3B	2/9/2022 13:26	57.4	42.6	0.0	0.0	-20.4	-20.9	-25.9	93.9	129.5	Valve Adjustment:No Change,Valve 100% open
OXLCRS3B	2/24/2022 9:39	56.8	43.2	0.0	0.0	-31.3	-29.1	-37.1	93.5	135.1	Valve Adjustment:No Change,Valve 100% open
OXLCRS7B	2/7/2022 11:55	60.1	37.2	0.3	2.4	-14.7	-14.7	-30.6	85.5	91.5	Valve Adjustment:No Change,Valve 100% open
OXLCRS7B	2/18/2022 13:11	57.6	41.8	0.4	0.2	-16.6	-16.5	-34.6	85.8	75.8	Valve Adjustment:No Change,Valve 100% open
OXLCRS9A	2/10/2022 12:50	47.1	45.9	1.2	5.8	-28.6	-27.2	-32.3	74.3	3.7	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less
OXLCRS9A	2/24/2022 10:36	49.5	47.5	0.5	2.5	-30.2	-30.0	-33.3	62.8	3.6	Valve Adjustment:No Change,Valve 5% open
OXLCRS9B	2/10/2022 12:52	34.2	34.3	6.4	25.1	0.1	-0.1	-29.8	70.3	5.3	Valve Adjustment:NSPS/CAI,Valve at minimum position,Opened valve 1/2 turn or less
OXLCRS9B	2/10/2022 12:58	35.8	34.4	5.8	24.0	-0.2	-0.2	-29.8	71.7	5.3	Valve Adjustment:NSPS/CAI,Valve at minimum position,Closed valve 1/2 turn or less

OXLCRS9B	2/18/2022 13:37	10.1	10.0	17.4	62.5	-0.1	-0.1	-38.7	67.3	7.3	Valve Adjustment:NSPS/CAI,Valve at minimum position,Opened valve 1/2 turn or less
OXLCRS9B	2/18/2022 13:45	8.8	8.8	17.6	64.8	-0.1	-0.1	-38.9	68.4	6.3	Valve Adjustment:NSPS/CAI,Valve at minimum position,Closed valve 1/2 turn or less
OXME302D	2/8/2022 10:45	58.4	38.2	0.3	3.1	-14.0	-14.2	-34.1	119.0	0.0	Valve Adjustment:Opened valve 1/2 turn or less
OXME302D	2/17/2022 13:02	54.7	35.6	2.0	7.7	-18.5	-18.5	-39.8	119.5	40.4	Valve Adjustment:No Change
OXME306D	2/7/2022 12:25	59.0	38.6	0.0	2.4	-32.9	-32.9	-33.8	126.0	16.9	Valve Adjustment:No Change,Valve 100% open
OXME306D	2/18/2022 12:21	57.2	42.4	0.0	0.4	-37.5	-37.4	-38.1	126.6	17.5	Valve Adjustment:No Change,Valve 100% open
OXME312D	2/4/2022 12:02	31.9	32.1	0.0	36.0	-4.6	-4.4	-38.2	116.3	53.1	Valve Adjustment:Closed valve 1/2 turn or less
OXME312D	2/17/2022 12:15	32.6	31.3	0.0	36.1	-3.9	-3.9	-38.1	115.0	11.3	Valve Adjustment:Closed valve 1/2 turn or less
OXME316D	2/10/2022 11:00	56.7	38.8	0.7	3.8	-25.6	-25.6	-28.8	125.3	31.5	Valve Adjustment:Opened valve 1/2 turn or less,Valve 85% open
OXME316D	2/17/2022 11:11	56.9	38.0	0.8	4.3	-32.7	-32.7	-35.7	125.2	34.3	Valve Adjustment:No Change,Valve 100% open
OXME317D	2/10/2022 10:49	57.7	40.0	0.0	2.3	-30.0	-29.9	-30.3	106.0	17.2	Valve Adjustment:No Change,Valve 100% open
OXME317D	2/17/2022 11:18	58.6	39.5	0.1	1.8	-37.1	-37.0	-37.2	73.1	7.4	Valve Adjustment:No Change,Valve 100% open
OXMEW113	2/3/2022 12:07	54.7	44.1	0.0	1.2	-14.9	-15.4	-33.3	71.0	12.2	Valve Adjustment:No Change
OXMEW113	2/17/2022 12:23	55.4	43.3	0.1	1.2	-15.7	-15.8	-39.1	72.5	0.0	Valve Adjustment:No Change
OXMEW122	2/9/2022 14:19	59.4	40.5	0.1	0.0	-26.6	-26.6	-26.6	82.0	5.6	Valve Adjustment:No Change,Valve 100% open
OXMEW122	2/23/2022 11:54	57.0	42.8	0.2	0.0	-40.6	-40.5	-40.8	69.5	15.0	Valve Adjustment:No Change,Valve 100% open
OXMEW126	2/3/2022 12:29	57.2	42.8	0.0	0.0	-31.4	-31.3	-31.4	62.1	8.5	Valve Adjustment:No Change,Valve 100% open
OXMEW126	2/17/2022 12:50	57.7	42.3	0.0	0.0	-38.0	-37.3	-38.1	64.9	17.1	Valve Adjustment:No Change,Valve 100% open
OXMEW138	2/9/2022 13:17	39.5	34.8	0.0	25.7	-5.3	-4.7	-24.2	69.4	5.3	Valve Adjustment:Closed valve 1/2 turn or less,Valve 5% open
OXMEW138	2/24/2022 9:37	36.4	36.6	0.0	27.0	-5.6	-4.8	-36.1	69.6	5.7	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less
OXMEW145	2/3/2022 12:04	56.6	43.4	0.0	0.0	-29.4	-29.4	-33.2	100.2	13.4	Valve Adjustment:No Change,Valve 45% open
OXMEW145	2/17/2022 12:20	57.2	42.8	0.0	0.0	-34.1	-35.3	-39.1	100.5	15.5	Valve Adjustment:Opened valve 10% or less,Valve 50% open
OXMEW156	2/2/2022 10:13	53.9	38.5	0.3	7.3	-25.6	-25.6	-42.2	56.1	6.2	Valve Adjustment:Opened valve 1/2 turn or less,Valve 5% open
OXMEW156	2/16/2022 11:26	56.2	40.1	0.2	3.5	-25.3	-25.3	-41.1	62.2	6.1	Valve Adjustment:Opened valve 1/2 turn or less,Valve 5% open
OXMEW158	2/3/2022 12:36	54.4	45.6	0.0	0.0	-17.2	-17.2	-32.8	70.8	0.7	Valve Adjustment:No Change,Valve at minimum position
OXMEW158	2/17/2022 12:57	55.0	45.0	0.0	0.0	-20.6	-20.6	-38.6	72.1	0.6	Valve Adjustment:No Change,Valve at minimum position
OXMEW159	2/3/2022 12:34	52.0	44.1	0.0	3.9	-22.4	-22.4	-32.9	69.2	4.2	Valve Adjustment:No Change,Valve at minimum position
OXMEW159	2/17/2022 12:55	50.3	43.5	0.0	6.2	-25.8	-25.8	-39.0	69.9	4.7	Valve Adjustment:No Change,Valve at minimum position
OXMEW162	2/8/2022 12:34	49.2	28.0	4.1	18.7	-22.2	-22.2	-32.7	78.8	4.9	Valve Adjustment:No Change
OXMEW162	2/23/2022 12:11	26.9	14.5	13.0	45.6	-39.1	-38.5	-39.6	58.1	8.2	Valve Adjustment:NSPS/CAI,Valve at minimum position,Closed valve 1/2 turn or less
OXMEW162	2/23/2022 12:16	27.9	15.0	12.7	44.4	-37.8	-37.1	-39.5	58.9	4.1	Valve Adjustment:NSPS/CAI,Valve at minimum position,Closed valve 1/2 turn or less
OXMEW170	2/1/2022 10:29	61.3	33.3	1.1	4.3	-38.7	-38.6	-38.3	60.6	0.4	Valve Adjustment:No Change
OXMEW170	2/16/2022 9:33	58.6	31.6	1.2	8.6	-38.3	-38.3	-38.9	69.0	0.0	Valve Adjustment:Opened valve 1/2 turn or less,Valve 5% open
OXMEW173	2/2/2022 9:49	58.8	37.2	0.0	4.0	-2.5	-2.6	-42.1	97.4	25.0	Valve Adjustment:Opened valve 1/2 turn or less
OXMEW173	2/16/2022 11:00	52.9	37.8	1.2	8.1	-2.5	-2.5	-41.0	101.4	2.9	Valve Adjustment:No Change

OXMEW174	2/2/2022 10:07	41.7	30.0	5.4	22.9	-0.8	-0.7	-42.5	57.5	2.3	Valve Adjustment:NSPS/CAI,Valve at minimum position,Closed valve 1/2 turn or less
OXMEW174	2/2/2022 10:09	41.8	29.9	5.4	22.9	-0.3	-0.3	-42.4	58.6	0.9	Valve Adjustment:NSPS/CAI,Valve at minimum position,Closed valve 1/2 turn or less
OXMEW174	2/11/2022 10:23	57.3	38.8	0.0	3.9	-0.2	-0.2	-36.1	75.5	1.7	Valve Adjustment:Valve at minimum position,Opened valve 1/2 turn or less
OXMEW174	2/16/2022 11:23	47.1	35.1	4.0	13.8	-0.1	-0.1	-41.2	72.6	0.5	Valve Adjustment:No Change,Valve at minimum position
OXMEW175	2/2/2022 10:18	41.2	36.9	0.0	21.9	-17.3	-15.5	-42.0	60.9	4.8	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less
OXMEW175	2/16/2022 11:31	52.8	40.1	0.0	7.1	-10.7	-10.8	-41.3	65.9	4.3	Valve Adjustment:No Change,Valve at minimum position
OXMEW176	2/10/2022 14:26	51.2	37.6	0.1	11.1	-13.1	-13.1	-31.4	111.4	39.4	Valve Adjustment:Closed valve 1/2 turn or less
OXMEW176	2/24/2022 11:15	51.9	38.0	0.1	10.0	-13.8	-13.8	-34.7	110.8	35.7	Valve Adjustment:No Change
OXMEW181	2/10/2022 9:56	59.0	39.4	0.0	1.6	-9.5	-9.7	-32.5	114.5	56.1	Valve Adjustment:Opened valve 1/2 turn or less
OXMEW181	2/18/2022 13:31	55.1	44.6	0.3	0.0	-11.5	-11.5	-40.3	115.2	0.0	Valve Adjustment:No Change
OXMEW182	2/10/2022 10:28	55.5	38.7	0.0	5.8	-27.4	-27.6	-30.7	119.3	18.1	Valve Adjustment:No Change,Valve 100% open
OXMEW182	2/17/2022 11:35	55.5	38.5	0.0	6.0	-34.4	-34.4	-38.2	119.4	10.1	Valve Adjustment:No Change,Valve 100% open
OXMEW183	2/4/2022 12:31	56.1	39.7	0.0	4.2	-4.7	-5.1	-37.6	117.2	42.4	Valve Adjustment:Opened valve 1/2 turn or less
OXMEW183	2/18/2022 11:40	54.1	40.9	0.0	5.0	-5.5	-5.5	-37.7	117.3	45.3	Valve Adjustment:Opened valve 1/2 turn or less
OXMEW184	2/8/2022 10:07	52.3	39.8	0.0	7.9	-0.2	-0.2	-33.4	123.6	29.2	Valve Adjustment:No Change
OXMEW184	2/18/2022 11:33	52.6	38.9	0.0	8.5	-0.3	-0.3	-38.2	121.6	15.8	Valve Adjustment:No Change
OXMEW185	2/8/2022 9:56	51.5	38.6	0.1	9.8	-0.4	-0.4	-35.4	115.2	10.6	Valve Adjustment:No Change
OXMEW185	2/18/2022 11:25	49.5	36.9	1.8	11.8	-0.5	-0.5	-38.5	113.0	36.2	Valve Adjustment:Closed valve 1/2 turn or less
OXMEW186	2/4/2022 11:52	47.9	38.3	1.3	12.5	-1.3	-1.3	-38.5	66.3	3.2	Valve Adjustment:Closed valve 1/2 turn or less,Valve 5% open
OXMEW186	2/17/2022 11:58	45.9	38.3	1.2	14.6	-1.6	-1.6	-38.8	76.2	2.8	Valve Adjustment:Closed valve 1/2 turn or less,Valve 5% open
OXMEW187	2/4/2022 12:22	46.9	39.4	0.0	13.7	-0.6	-0.6	-38.1	113.3	9.0	Valve Adjustment:Closed valve 1/2 turn or less
OXMEW187	2/18/2022 11:49	50.1	41.6	0.0	8.3	-0.4	-0.4	-37.9	112.0	8.0	Valve Adjustment:No Change
OXMEW188	2/8/2022 9:42	50.2	38.8	0.0	11.0	-1.4	-1.4	-37.1	111.5	13.1	Valve Adjustment:No Change
OXMEW188	2/18/2022 11:11	47.7	38.6	0.0	13.7	-1.5	-1.5	-38.4	110.7	13.4	Valve Adjustment:Closed valve 1/2 turn or less
OXMEW189	2/8/2022 9:33	51.2	38.7	0.2	9.9	-3.4	-3.4	-36.8	123.3	28.1	Valve Adjustment:No Change
OXMEW189	2/18/2022 11:04	51.4	38.3	0.2	10.1	-3.5	-3.4	-38.6	123.4	37.5	Valve Adjustment:No Change
OXMEW190	2/4/2022 12:07	49.9	38.3	0.3	11.5	-12.9	-12.9	-36.2	125.4	26.4	Valve Adjustment:Closed valve 1/2 turn or less,Valve 35% open
OXMEW190	2/17/2022 12:20	50.3	38.0	0.2	11.5	-12.6	-12.4	-37.6	125.7	27.0	Valve Adjustment:Closed valve 1/2 turn or less,Valve 35% open
OXMEW191	2/2/2022 9:59	53.3	37.9	0.0	8.8	-4.8	-4.8	-42.4	125.9	151.5	Valve Adjustment:No Change
OXMEW191	2/16/2022 11:14	51.9	39.7	0.0	8.4	-5.3	-5.3	-41.4	126.4	20.1	Valve Adjustment:No Change
OXMEW192	2/2/2022 11:18	48.6	35.7	0.0	15.7	-9.1	-9.0	-43.0	61.3	8.1	Valve Adjustment:Closed valve 1/2 turn or less
OXMEW192	2/16/2022 11:52	46.6	36.7	0.0	16.7	-7.5	-7.4	-42.4	68.3	2.3	Valve Adjustment:Closed valve 1/2 turn or less
OXMEW194	2/3/2022 13:16	55.3	41.7	0.4	2.6	-33.0	-33.0	-36.1	82.6	6.1	Valve Adjustment:No Change
OXMEW194	2/10/2022 10:07	56.7	39.5	0.0	3.8	-28.6	-29.0	-32.3	83.0	12.6	Valve Adjustment:Opened valve 1/2 turn or less
OXMEW194	2/18/2022 13:40	55.6	39.6	0.1	4.7	-35.4	-35.4	-38.7	85.2	0.0	Valve Adjustment:No Change

OXMEW196	2/10/2022 10:14	52.5	38.1	0.0	9.4	-7.6	-7.6	-31.2	99.4	7.2	Valve Adjustment:No Change
OXMEW196	2/17/2022 11:48	51.8	37.6	0.0	10.6	-11.4	-11.3	-37.8	100.3	9.0	Valve Adjustment:No Change
OXMEW199	2/4/2022 11:48	56.4	39.0	0.0	4.6	-6.8	-6.9	-37.9	121.4	23.5	Valve Adjustment:Opened valve 1/2 turn or less
OXMEW199	2/17/2022 11:52	55.1	38.7	0.0	6.2	-7.8	-7.8	-37.7	121.9	25.0	Valve Adjustment:Opened valve 1/2 turn or less
OXMEW200	2/4/2022 12:27	45.2	38.7	0.1	16.0	-0.7	-0.6	-39.3	117.5	15.3	Valve Adjustment:Closed valve 1/2 turn or less
OXMEW200	2/18/2022 11:43	54.2	41.8	0.0	4.0	-0.1	-0.1	-39.1	112.9	20.3	Valve Adjustment:Opened valve 1/2 turn or less
OXMEW201	2/8/2022 9:54	46.7	38.9	0.0	14.4	-0.3	-0.2	-37.1	90.6	3.2	Valve Adjustment:Closed valve 1/2 turn or less
OXMEW201	2/18/2022 11:19	54.7	41.7	0.0	3.6	-0.1	-0.1	-38.7	83.2	18.8	Valve Adjustment:Opened valve 1/2 turn or less
OXMEW203	2/2/2022 8:42	47.8	34.3	0.6	17.3	-5.7	-4.8	-39.8	64.9	6.3	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less
OXMEW203	2/18/2022 11:40	46.0	27.5	3.7	22.8	-4.3	-4.3	-39.0	77.6	4.5	Valve Adjustment:No Change,Valve at minimum position
OXMEW204	2/2/2022 8:38	53.5	40.8	0.0	5.7	-5.7	-5.8	-36.3	99.8	4.9	Valve Adjustment:Opened valve 1/2 turn or less,Valve 10% open
OXMEW204	2/18/2022 11:43	58.9	41.0	0.1	0.0	-0.9	-0.9	-35.6	87.7	3.0	Valve Adjustment:No Change,Valve 10% open
OXMEW205	2/4/2022 12:15	37.3	36.7	0.0	26.0	-0.4	-0.4	-39.2	127.6	0.0	Valve Adjustment:Closed valve 1/2 turn or less,Valve 10% open
OXMEW205	2/18/2022 11:54	41.9	39.7	0.0	18.4	-0.2	-0.2	-37.9	127.9	0.0	Valve Adjustment:Closed valve 1/2 turn or less,Valve 10% open
OXMEW209	2/8/2022 10:19	48.6	36.8	2.9	11.7	0.9	-0.1	-34.2	123.4	11.5	Valve Adjustment:NSPS/CAI,Opened valve 1/2 turn or less,Valve 35% open
OXMEW209	2/8/2022 10:21	52.7	38.8	1.4	7.1	-0.7	-0.7	-33.6	128.2	19.8	Valve Adjustment:No Change,Valve 35% open
OXMEW209	2/17/2022 13:19	55.6	38.9	0.8	4.7	-6.7	-5.5	-39.5	133.2	20.1	Valve Adjustment:Closed valve 1/2 turn to 1 turn,Valve 30% open
OXMEW209	2/17/2022 13:23	55.5	39.7	1.2	3.6	-5.3	-5.4	-39.5	130.3	7.1	Valve Adjustment:Opened valve 1/2 turn or less,Valve 30% open
OXMEW210	2/7/2022 12:17	57.4	36.4	0.2	6.0	-29.6	-30.0	-32.7	123.8	33.3	Valve Adjustment:Valve 100% open,Opened valve 1/2 turn to 1 turn
OXMEW210	2/18/2022 12:23	54.5	40.4	0.3	4.8	-34.2	-34.0	-35.9	124.1	37.6	Valve Adjustment:No Change,Valve 100% open
OXMEW300	2/8/2022 11:01	60.6	37.8	0.0	1.6	-31.9	-31.8	-33.6	105.3	17.4	Valve Adjustment:No Change,Valve 100% open
OXMEW300	2/17/2022 12:48	61.1	37.5	0.0	1.4	-37.8	-37.6	-39.3	105.6	19.3	Valve Adjustment:No Change,Valve 100% open
OXMEW302	2/8/2022 10:41	46.7	35.6	0.0	17.7	-4.4	-4.0	-33.6	107.5	5.5	Valve Adjustment:Closed valve 1/2 turn or less
OXMEW302	2/17/2022 12:56	52.6	35.4	0.0	12.0	-3.9	-3.9	-39.5	105.6	8.3	Valve Adjustment:No Change
OXMEW303	2/7/2022 12:13	62.8	22.2	2.8	12.2	-34.3	-34.3	-34.3	71.0	9.5	Valve Adjustment:No Change,Valve 100% open
OXMEW303	2/18/2022 12:27	55.3	22.9	3.4	18.4	-39.2	-39.2	-39.0	73.8	0.0	Valve Adjustment:No Change
OXMEW306	2/7/2022 12:21	50.2	34.8	0.0	15.0	-1.0	-1.0	-33.7	110.6	7.3	Valve Adjustment:Closed valve 1/2 turn or less
OXMEW306	2/18/2022 12:19	39.1	34.7	0.0	26.2	-1.1	-1.1	-38.3	110.1	0.0	Valve Adjustment:No Change,Valve at minimum position
OXMEW307	2/3/2022 12:01	58.2	41.2	0.6	0.0	-33.4	-33.4	-33.1	77.8	1.6	Valve Adjustment:No Change,Valve 100% open
OXMEW307	2/17/2022 12:17	56.1	39.5	1.0	3.4	-39.1	-39.0	-39.0	77.1	6.4	Valve Adjustment:No Change,Valve 100% open
OXMEW309	2/8/2022 10:27	50.0	38.2	0.2	11.6	-23.8	-23.9	-34.4	127.2	40.1	Valve Adjustment:No Change
OXMEW309	2/17/2022 13:17	50.1	36.7	0.2	13.0	-26.2	-26.2	-40.0	128.1	48.6	Valve Adjustment:Closed valve 1/2 turn or less
OXMEW310	2/10/2022 10:22	51.7	37.9	0.0	10.4	-19.0	-19.0	-30.6	117.6	284.5	Valve Adjustment:Closed valve 1/2 turn or less
OXMEW310	2/17/2022 11:44	49.9	36.8	0.0	13.3	-23.2	-22.8	-36.6	117.5	307.8	Valve Adjustment:Closed valve 1/2 turn or less
OXMEW311	2/2/2022 8:18	52.6	38.8	0.0	8.6	-17.9	-17.9	-39.2	118.8	26.5	Valve Adjustment:No Change

OXMEW311	2/18/2022 11:55	54.0	40.5	0.0	5.5	-17.4	-17.4	-38.2	119.8	24.7	Valve Adjustment:No Change
OXMEW312	2/4/2022 11:58	50.4	37.1	0.0	12.5	-4.5	-4.5	-37.9	101.3	9.0	Valve Adjustment:Closed valve 1/2 turn or less
OXMEW312	2/17/2022 12:09	50.6	36.2	0.0	13.2	-4.4	-4.3	-37.9	102.0	12.0	Valve Adjustment:Closed valve 1/2 turn or less
OXMEW315	2/4/2022 9:51	59.3	40.6	0.1	0.0	-37.1	-37.1	-37.5	120.3	19.3	Valve Adjustment:No Change,Valve 100% open
OXMEW315	2/17/2022 12:38	57.8	38.9	0.1	3.2	-36.6	-36.6	-38.0	121.2	24.8	Valve Adjustment:No Change,Valve 100% open
OXMEW316	2/10/2022 11:05	60.0	39.2	0.0	0.8	-28.3	-28.3	-29.7	110.0	7.0	Valve Adjustment:No Change,Valve 100% open
OXMEW316	2/17/2022 11:16	60.6	38.3	0.1	1.0	-35.7	-35.7	-37.2	109.1	10.4	Valve Adjustment:No Change,Valve 100% open
OXMEW317	2/10/2022 10:41	57.5	39.5	0.1	2.9	-30.0	-30.0	-30.3	77.0	9.4	Valve Adjustment:No Change,Valve 100% open
OXMEW317	2/17/2022 11:22	60.3	39.5	0.1	0.1	-37.3	-37.3	-37.2	106.0	16.2	Valve Adjustment:No Change,Valve 100% open
OXMEW318	2/10/2022 10:36	52.3	37.4	0.0	10.3	-2.1	-2.1	-30.9	109.3	15.8	Valve Adjustment:No Change
OXMEW318	2/17/2022 11:31	52.2	36.2	0.0	11.6	-3.0	-3.0	-37.8	110.9	13.1	Valve Adjustment:No Change
OXMEW319	2/10/2022 10:27	52.0	37.3	0.0	10.7	-13.6	-13.7	-30.3	109.0	16.8	Valve Adjustment:No Change
OXMEW319	2/17/2022 11:40	50.2	36.6	0.0	13.2	-16.4	-16.1	-37.1	109.6	15.9	Valve Adjustment:Closed valve 1/2 turn or less
OXMEW320	2/4/2022 12:49	57.7	42.3	0.0	0.0	-36.6	-36.7	-37.3	124.2	13.6	Valve Adjustment:No Change
OXMEW320	2/16/2022 13:12	57.8	42.0	0.0	0.2	-37.1	-37.1	-36.9	124.2	11.2	Valve Adjustment:No Change,Valve 100% open
OXMEW322	2/10/2022 10:57	57.8	39.8	0.0	2.4	-31.0	-31.0	-31.6	118.5	13.5	Valve Adjustment:No Change,Valve 100% open
OXMEW322	2/17/2022 11:09	58.0	38.2	0.0	3.8	-38.4	-38.4	-39.3	118.4	20.4	Valve Adjustment:No Change,Valve 100% open
OXMEW323	2/4/2022 11:55	58.5	38.1	0.1	3.3	-36.5	-36.4	-36.9	113.8	36.6	Valve Adjustment:No Change,Valve 100% open
OXMEW323	2/16/2022 12:25	57.4	41.5	0.0	1.1	-35.7	-35.9	-35.9	114.6	14.5	Valve Adjustment:No Change,Valve 100% open
OXMEW328	2/7/2022 12:03	55.4	37.6	0.1	6.9	-19.7	-19.8	-27.2	119.8	12.9	Valve Adjustment:No Change
OXMEW328	2/16/2022 11:47	57.7	42.3	0.0	0.0	-22.5	-22.6	-31.0	120.0	19.4	Valve Adjustment:No Change
OXMEWHC1	2/3/2022 12:26	54.5	45.4	0.1	0.0	-33.3	-33.3	-33.1	76.4		Valve Adjustment:No Change;Well Condition:No flow device
OXMEWHC1	2/17/2022 12:44	55.0	44.2	0.1	0.7	-39.0	-39.1	-38.9	83.3		Valve Adjustment:No Change;Well Condition:No flow device
OXMEWW05	2/3/2022 10:39	53.9	41.3	1.4	3.4	-40.8	-40.7	-40.8	108.1	7.2	Valve Adjustment:No Change
OXMEWW05	2/17/2022 10:52	56.7	43.2	0.0	0.1	-43.8	-43.8	-43.8	108.3	28.9	Valve Adjustment:No Change
OXMEWW06	2/3/2022 10:33	53.0	39.6	1.3	6.1	-40.5	-40.5	-40.5	101.1	19.0	Valve Adjustment:No Change,Valve 100% open
OXMEWW06	2/17/2022 10:49	57.3	42.5	0.0	0.2	-43.7	-43.8	-43.9	102.1	38.1	Valve Adjustment:No Change,Valve 100% open
OXMEWW08	2/2/2022 11:29	49.2	37.2	0.0	13.6	-9.5	-9.4	-42.8	68.5	10.3	Valve Adjustment:Closed valve 1/2 turn or less,Valve 20% open
OXMEWW08	2/16/2022 12:36	49.2	39.0	0.0	11.8	-7.5	-7.5	-42.4	83.9	10.4	Valve Adjustment:Closed valve 1/2 turn or less,Valve 20% open
OXMEWW17	2/3/2022 11:24	44.3	38.8	1.9	15.0	-0.2	-0.2	-26.9	66.1	9.0	Valve Adjustment:No Change,Valve at minimum position
OXMEWW17	2/17/2022 11:34	45.2	39.0	0.2	15.6	-0.1	-0.1	-29.9	67.2	7.8	Valve Adjustment:No Change,Valve at minimum position
OXMEWW18	2/3/2022 11:15	55.3	40.7	0.7	3.3	-33.0	-33.1	-34.0	60.3	0.0	Valve Adjustment:No Change
OXMEWW18	2/17/2022 11:26	57.2	41.6	0.0	1.2	-38.4	-38.4	-39.8	61.4	0.0	Valve Adjustment:No Change
OXMEWW1G	2/3/2022 10:57	55.4	41.3	0.1	3.2	-30.2	-30.2	-34.8	71.5	2.2	Valve Adjustment:No Change,Valve at minimum position
OXMEWW1G	2/17/2022 11:03	52.1	41.0	0.0	6.9	-23.4	-23.3	-41.0	73.7	5.4	Valve Adjustment:No Change,Valve at minimum position

OXMEWW1I	2/3/2022 11:02	47.2	29.6	4.9	18.3	-34.7	-34.7	-34.5	68.7	0.2	Valve Adjustment:No Change,Valve at minimum position
OXMEWW1I	2/17/2022 11:07	60.6	39.4	0.0	0.0	14.4	-7.1	-41.0	66.9	0.4	Valve Adjustment:NSPS/CAI,Valve at minimum position,Opened valve 1/2 turn or less
OXMEWW1I	2/17/2022 11:08	60.9	39.1	0.0	0.0	-20.1	-20.1	-41.0	64.1	2.5	Valve Adjustment:No Change,Valve at minimum position
OXMEWW1J	2/3/2022 11:05	49.2	37.1	0.3	13.4	-14.7	-14.7	-34.6	76.3	4.9	Valve Adjustment:No Change,Valve at minimum position
OXMEWW1J	2/17/2022 11:10	54.1	38.4	0.0	7.5	-12.6	-12.6	-41.1	76.6	4.8	Valve Adjustment:No Change,Valve at minimum position
OXMEWW1K	2/3/2022 11:07	57.5	41.9	0.0	0.6	-35.5	-35.5	-35.7	68.2	6.5	Valve Adjustment:No Change
OXMEWW1K	2/17/2022 11:13	56.5	40.8	0.2	2.5	-42.6	-42.6	-43.2	67.4	38.2	Valve Adjustment:No Change
OXMEWW1S	2/3/2022 11:31	57.2	42.8	0.0	0.0	-26.4	-26.4	-26.9	66.5	21.9	Valve Adjustment:No Change
OXMEWW1S	2/17/2022 11:41	57.4	42.6	0.0	0.0	-29.3	-29.3	-29.7	66.6	22.0	Valve Adjustment:No Change
OXMHCF03	2/9/2022 14:36	56.6	43.1	0.0	0.3	-34.4	-33.4	-34.9	81.3	17.2	Valve Adjustment:No Change,Valve 100% open
OXMHCF03	2/24/2022 9:09	56.6	43.4	0.0	0.0	-40.1	-39.8	-41.7	63.1	22.3	Valve Adjustment:No Change,Valve 100% open
OXMHCF04	2/9/2022 14:44	31.6	25.9	10.6	31.9	-34.5	-34.4	-34.9	83.9	11.2	Valve Adjustment:NSPS/CAI,Closed valve 1/2 turn to 1 turn
OXMHCF04	2/9/2022 15:34	22.2	18.5	15.0	44.3	-34.4	-34.4	-35.0	84.6	5.1	Valve Adjustment:NSPS/CAI,Valve at minimum position,Closed valve 1/2 turn to 1 turn
OXMHCF04	2/14/2022 11:00	48.9	38.9	3.0	9.2	-43.0	-43.0	-43.8	52.0	6.6	Valve Adjustment:No Change,Valve at minimum position
OXMHCF04	2/24/2022 9:14	51.2	40.3	2.2	6.3	-42.0	-42.0	-42.4	46.1	10.0	Valve Adjustment:No Change
OXMPEW30	2/2/2022 11:00	58.0	39.2	0.2	2.6	-41.7	-41.8	-42.3	60.8	5.9	Valve Adjustment:No Change,Valve 100% open
OXMPEW30	2/16/2022 12:22	57.4	41.6	0.1	0.9	-41.9	-42.0	-41.8	70.5	7.6	Valve Adjustment:No Change,Valve 100% open
OXMPEW31	2/2/2022 11:13	58.2	37.8	0.1	3.9	-42.4	-42.4	-43.0	61.4	2.8	Valve Adjustment:No Change,Valve 100% open
OXMPEW31	2/16/2022 12:28	57.2	40.5	0.1	2.2	-42.4	-42.3	-42.0	67.8	4.6	Valve Adjustment:No Change,Valve 100% open
OXMPEW32	2/2/2022 10:25	58.8	35.2	0.7	5.3	-40.8	-40.8	-42.3	60.7	1.5	Valve Adjustment:Opened valve 1/2 turn or less,Valve 5% open
OXMPEW32	2/16/2022 11:33	57.9	39.1	0.3	2.7	-40.9	-41.5	-41.4	71.0	2.0	Valve Adjustment:Opened valve 1/2 turn or less,Valve 5% open
OXMPEW33	2/2/2022 10:29	55.1	36.7	0.0	8.2	-9.1	-9.4	-43.6	79.5	10.6	Valve Adjustment:Opened valve 1/2 turn or less,Valve 5% open
OXMPEW33	2/16/2022 11:47	57.4	39.2	0.0	3.4	-9.3	-9.4	-42.5	82.7	11.8	Valve Adjustment:Opened valve 1/2 turn or less,Valve 10% open
OXMPEW35	2/2/2022 10:50	55.5	38.9	0.0	5.6	-20.2	-20.4	-41.8	126.2	19.7	Valve Adjustment:Opened valve 1/2 turn or less
OXMPEW35	2/16/2022 12:09	54.1	41.3	0.0	4.6	-22.6	-23.1	-40.4	127.0	20.2	Valve Adjustment:Opened valve 1/2 turn or less
OXMPEW44	2/3/2022 11:27	56.6	43.4	0.0	0.0	-27.2	-27.2	-27.2	69.8	1.1	Valve Adjustment:No Change,Valve 80% open
OXMPEW44	2/17/2022 11:38	56.5	43.5	0.0	0.0	-30.7	-30.6	-30.0	70.2	5.6	Valve Adjustment:No Change,Valve 80% open

***Bold Italics* =** HOV/LTCO approval from BAAQMD

*Some flow readings not available due to low/no flow conditions recorded by GEM.

**Well OXEWHC6A is an NSPS exempt well.

NSPS/EG CAI = New Source Performance Standards Corrective Action Initiated

CH_4 = Methane

CO_2 = Carbon Dioxide

O_2 = Oxygen

BAL = Balance Gas, usually nitrogen

in. wk.. = inches of water column

Deg. F. = degrees in Fahrenheit

scfm = standard cubic feet per minute

% = percent

N/A = Not applicable

≤140 degrees F Temperature HOV per Title V Permit Condition Number 10164 part 18(b)(viii)
OXEW1618, OXMEW205, OXMEW209, OXMPEW35

≤15% Oxygen HOV per Title V Permit Condition Number 10164 part 18(b)(i)
OMTLTS01, OMTLTS02, OMTLTS03, OMTLTS04, OMTLTS05, OMTLTS06, OMTLTS07, OMTLTS08, OMTLTS09, OMTLTS10, OMTLTS11, OMTLTS12, OMTLTS15, OMTLTS16, OMTLTS17, OMTLTS18, OMTLTS19, OMTLTS20, ~~OXLCRS01~~, OXLCRS4A, OXLCRS4B, ~~OXLCRS05~~, ~~OXLCRS06~~, OXLCRS07, ~~OXMEWHC6~~, ~~OXMTBTC1,~~ OXMEWW17, and ~~OXMHCF06~~.

LTCO per Title V Permit Condition Number 10164 part 18(d)(i)
OMTLTS01, OMTLTS02, OMTLTS03, OMTLTS04, OMTLTS05, OMTLTS06, OMTLTS07, OMTLTS08, OMTLTS09, OMTLTS10, OMTLTS11, OMTLTS12, OMTLTS15, OMTLTS16,

OMTLTS17, OMTLTS18, OMTLTS19, OMTLTS20, ~~OXLCRS01,~~ OXLCRS4A, OXLCRS4B, ~~OXLCRS05, OXLCRS06~~, and OXLCRS07.

*Wells that have been decommissioned are noted with a strikethrough.

OX MOUNTAIN LANDFILL
Wellfield Monitoring Report - March 1, 2, 3, 4, 7, 10, 14, 17, 21, 28, and 29, 2022

Device ID	Date and Time	CH_4	CO_2	O_2	BAL	Initial Static Pressure	Adjusted Static Pressure	Lateral Pressure	Initial Temperature	Initial Flow*	Comments
		%	%	%	%	in. wk..	in. wk..	in. wk..	Deg. F.	scfm	
OMLEW101	3/14/2022 12:21	51.3	37.6	2.4	8.7	-0.3	-0.3	-30.6	68.5	5.3	Valve Adjustment:No Change,Valve 5% open
OMLEW101	3/28/2022 13:52	53.9	39.5	1.4	5.2	-0.2	-0.2	-30.9	66.8	5.0	Valve Adjustment:Opened valve 1/2 turn or less,Valve 5% open
OMLEW104	3/10/2022 11:38	56.9	42.9	0.0	0.2	-10.9	-11.0	-39.0	73.4	18.1	Valve Adjustment:Opened valve 1/2 turn or less
OMLEW104	3/29/2022 10:34	54.9	42.9	0.0	2.2	-13.7	-13.7	-40.4	74.4	20.6	Valve Adjustment:Opened valve 1/2 turn or less
OMLEW107	3/10/2022 11:42	57.5	41.5	0.4	0.6	-38.4	-38.4	-38.8	62.3	0.0	Valve Adjustment:No Change,Valve 100% open
OMLEW107	3/29/2022 10:38	58.1	41.8	0.1	0.0	-40.0	-40.0	-40.1	64.7	0.0	Valve Adjustment:No Change,Valve 100% open
OMLFEW59	3/1/2022 13:42	49.6	37.4	0.0	13.0	-0.5	-0.4	-27.9	107.6	12.7	Valve Adjustment:Closed valve 1/2 turn or less,Valve 15% open
OMLFEW59	3/17/2022 11:12	50.4	35.2	0.0	14.4	-1.0	-1.0	-34.7	106.7	14.5	Valve Adjustment:Closed valve 1/2 turn or less,Valve 20% open
OMLFEW72	3/10/2022 11:29	58.4	40.5	0.0	1.1	-1.0	-2.9	-38.4	66.2	N/A	Valve Adjustment:Opened valve 1/2 turn or less
OMLFEW72	3/29/2022 10:26	46.9	39.5	0.0	13.6	-15.7	-13.0	-40.8	52.0	N/A	Valve Adjustment:Closed valve 1/2 turn or less
OMLFEW99	3/10/2022 13:21	56.8	37.9	0.0	5.3	-0.4	-0.4	-42.6	72.2	9.4	Valve Adjustment:Opened valve 1/2 turn or less,Valve 5% open
OMLFEW99	3/17/2022 12:01	54.8	36.2	0.0	9.0	-0.6	-0.6	-42.0	68.9	10.9	Valve Adjustment:Opened valve 1/2 turn or less,Valve 5% open
OMTLTS01	3/10/2022 11:21	54.1	42.2	0.0	3.7	-1.1	-1.2	-38.7	66.7	0.5	Valve Adjustment:Valve at minimum position,Opened valve 1/2 turn or less
OMTLTS01	3/29/2022 10:12	39.1	34.8	3.1	23.0	-0.3	-0.2	-39.9	64.2	4.9	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less
OMTLTS02	3/10/2022 11:17	59.8	40.1	0.1	0.0	-0.1	-0.1	-38.1	73.5	2.5	Valve Adjustment:Valve at minimum position,Opened valve 1/2 turn or less
OMTLTS02	3/29/2022 10:09	44.9	34.6	2.5	18.0	-0.4	-0.4	-40.0	64.5	6.0	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less
OMTLTS03	3/10/2022 11:11	18.7	13.0	15.5	52.8	-0.1	-0.1	-38.4	71.7	0.1	Valve Adjustment:NSPS/CAI,Valve at minimum position,Closed valve 1/2 turn or less
OMTLTS03	3/10/2022 11:14	18.8	13.2	15.5	52.5	-0.1	-0.1	-38.5	71.3	0.3	Valve Adjustment:NSPS/CAI,Valve at minimum position,Closed valve 1/2 turn or less
OMTLTS03	3/21/2022 14:53	40.3	28.3	2.7	28.7	-0.1	-0.1	-38.3	71.8	0.3	Valve Adjustment:No Change,Valve at minimum position
OMTLTS04	3/10/2022 9:20	46.0	32.2	0.6	21.2	-0.2	-0.2	-39.0	65.3	0.0	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less
OMTLTS04	3/28/2022 10:25	34.5	29.0	2.2	34.3	-0.1	-0.1	-38.2	67.0	0.3	Valve Adjustment:No Change,Valve at minimum position
OMTLTS05	3/10/2022 9:23	46.2	34.6	0.4	18.8	-0.2	-0.2	-38.8	75.0	4.3	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less
OMTLTS05	3/28/2022 10:36	29.9	31.7	0.4	38.0	-0.3	-0.2	-38.5	70.8	0.6	Valve Adjustment:No Change,Valve at minimum position
OMTLTS06	3/10/2022 9:24	1.0	2.2	21.4	75.4	-0.2	-0.3	-38.7	64.9	0.2	Valve Adjustment:NSPS/CAI,Opened valve 1/2 turn or less,Valve 5% open
OMTLTS06	3/10/2022 9:26	1.0	2.0	20.4	76.6	-0.3	-0.2	-38.3	71.7	9.2	Valve Adjustment:NSPS/CAI,Valve at minimum position,Closed valve 1/2 turn or less
OMTLTS06	3/28/2022 10:38	5.0	8.3	15.5	71.2	-0.2	-0.2	-38.5	62.6	0.2	Valve Adjustment:NSPS/CAI,Opened valve 1/2 turn or less,Valve 10% open
OMTLTS06	3/28/2022 10:40	5.4	9.0	13.8	71.8	-0.2	-0.2	-32.6	76.2	7.3	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less
OMTLTS07	3/10/2022 9:42	18.7	23.7	6.2	51.4	-0.4	-0.4	-39.8	66.4	0.2	Valve Adjustment:No Change,Valve at minimum position
OMTLTS07	3/28/2022 10:42	57.1	39.9	1.0	2.0	-0.1	-0.1	-38.7	62.1	0.3	Valve Adjustment:Valve at minimum position,Opened valve 1/2 turn or less
OMTLTS08	3/10/2022 9:46	29.5	29.7	2.0	38.8	-0.5	-0.4	-34.6	80.4	10.1	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less
OMTLTS08	3/28/2022 11:02	19.5	14.4	12.4	53.7	-0.1	-0.1	-36.6	64.5	0.2	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less

OMTLTS09	3/10/2022 10:00	9.1	20.3	3.1	67.5	-0.3	-0.2	-39.6	64.7	0.3	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less
OMTLTS09	3/28/2022 14:21	46.7	29.2	0.7	23.4	-0.1	-0.1	-29.8	67.8	0.1	Valve Adjustment:No Change,Valve at minimum position
OMTLTS10	3/4/2022 11:39	40.5	27.5	1.0	31.0	-0.1	-0.1	-36.9	62.6	0.4	Valve Adjustment:No Change,Valve at minimum position
OMTLTS10	3/28/2022 14:26	38.8	26.9	1.5	32.8	-0.1	-0.1	-38.5	69.9	0.2	Valve Adjustment:No Change,Valve at minimum position
OMTLTS11	3/4/2022 11:23	36.7	27.0	1.2	35.1	-0.2	-0.1	-36.5	61.9	0.3	Valve Adjustment:No Change,Valve at minimum position
OMTLTS11	3/28/2022 14:38	24.9	21.1	4.7	49.3	-0.1	-0.1	-39.5	70.5	0.2	Valve Adjustment:No Change,Valve at minimum position
OMTLTS12	3/4/2022 11:22	36.5	26.2	3.1	34.2	-0.1	-0.1	-35.3	64.0	0.2	Valve Adjustment:No Change,Valve at minimum position
OMTLTS12	3/28/2022 14:46	8.6	7.6	14.8	69.0	-0.1	-0.1	-39.1	71.6	0.2	Valve Adjustment:No Change,Valve at minimum position
OMTLTS15	3/4/2022 11:20	23.5	20.4	11.8	44.3	-0.2	-0.2	-31.6	62.6	0.1	Valve Adjustment:No Change,Valve at minimum position
OMTLTS15	3/28/2022 14:59	17.2	18.2	8.9	55.7	-0.1	-0.1	-39.4	67.6	0.2	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less
OMTLTS16	3/4/2022 11:08	57.3	35.1	0.7	6.9	-0.4	-0.4	-26.0	65.9	1.8	Valve Adjustment:Valve at minimum position,Opened valve 1/2 turn or less
OMTLTS16	3/28/2022 9:08	26.4	29.7	2.9	41.0	-0.6	-0.7	-37.8	63.7	2.3	Valve Adjustment:No Change,Valve at minimum position
OMTLTS17	3/4/2022 11:05	50.9	31.5	3.3	14.3	-0.1	-0.1	-30.2	63.0	0.2	Valve Adjustment:No Change,Valve at minimum position
OMTLTS17	3/28/2022 9:09	10.7	10.4	15.3	63.6	-0.2	-0.2	-39.4	56.6	0.0	Valve Adjustment:Closed valve 1/2 turn or less
OMTLTS17	3/28/2022 9:12	30.4	29.9	1.3	38.4	-0.2	-0.2	-38.1	57.1	0.2	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less
OMTLTS18	3/4/2022 10:58	61.3	38.5	0.0	0.2	-0.3	-0.3	-29.0	62.6	17.7	Valve Adjustment:No Change,Valve 100% open
OMTLTS18	3/28/2022 9:16	54.9	40.4	0.0	4.7	-1.0	-1.2	-37.9	61.9	32.6	Valve Adjustment:Opened valve 1/2 turn to 1 turn,Valve 40% open
OMTLTS19	3/4/2022 10:54	58.7	38.2	0.5	2.6	-1.2	-1.3	-28.3	69.6	12.9	Valve Adjustment:Opened valve 1/2 turn or less,Valve 20% open
OMTLTS19	3/28/2022 9:22	21.3	16.2	13.5	49.0	-0.3	-0.3	-38.3	62.1	8.5	Valve Adjustment:Closed valve 1/2 turn or less,Valve 5% open
OMTLTS20	3/4/2022 10:50	60.5	37.1	0.2	2.2	-1.0	-1.3	-27.7	66.5	14.8	Valve Adjustment:Opened valve 1/2 turn or less,Valve 15% open
OMTLTS20	3/28/2022 9:26	44.7	33.1	1.6	20.6	-1.2	-1.1	-39.7	67.3	14.1	Valve Adjustment:Closed valve 1/2 turn or less,Valve 5% open
OXEW133B	3/10/2022 11:03	18.7	24.9	4.6	51.8	-9.2	-6.4	-34.8	73.1	171.3	Valve Adjustment:Closed valve 1/2 turn or less
OXEW133B	3/29/2022 9:48	16.6	23.1	5.8	54.5	-10.6	-9.8	-37.9	73.7	87.8	Valve Adjustment:NSPS/CAI,Valve at minimum position,Closed valve 1/2 turn to 1 turn
OXEW133B	3/29/2022 9:49	16.5	22.9	5.8	54.8	-8.8	-8.3	-35.0	73.2	57.5	Valve Adjustment:NSPS/CAI,Valve at minimum position,Closed valve 1/2 turn to 1 turn
OXEW134A	3/10/2022 11:01	54.0	39.9	0.0	6.1	-10.5	-10.6	-38.1	78.5	37.3	Valve Adjustment:Opened valve 1/2 turn or less
OXEW134A	3/29/2022 9:46	52.4	40.1	0.0	7.5	-10.4	-10.9	-39.7	74.9	20.7	Valve Adjustment:No Change
OXEW134B	3/10/2022 10:58	49.9	38.2	0.9	11.0	-28.9	-28.7	-38.0	74.9	82.3	Valve Adjustment:No Change
OXEW134B	3/29/2022 9:45	51.9	38.7	0.8	8.6	-31.6	-31.5	-40.3	63.0	73.9	Valve Adjustment:No Change
OXEW137B	3/10/2022 9:34	57.3	42.5	0.2	0.0	-36.2	-36.2	-36.2	70.2	6.7	Valve Adjustment:No Change,Valve 100% open
OXEW137B	3/28/2022 10:51	56.8	43.2	0.0	0.0	-35.7	-35.7	-36.0	73.1	17.5	Valve Adjustment:No Change,Valve 100% open
OXEW1601	3/3/2022 11:12	52.6	38.7	0.7	8.0	-9.5	-9.5	-35.1	122.3	58.6	Valve Adjustment:No Change,Valve 35% open
OXEW1601	3/17/2022 14:54	47.6	33.9	1.5	17.0	-9.7	-9.2	-35.1	123.3	57.3	Valve Adjustment:Closed valve 1/2 turn or less
OXEW1602	3/3/2022 12:05	58.3	41.3	0.4	0.0	-32.4	-32.4	-33.5	127.4	53.6	Valve Adjustment:No Change,Valve 100% open
OXEW1602	3/21/2022 12:02	56.9	41.0	0.0	2.1	-33.2	-33.3	-34.5	127.9	47.9	Valve Adjustment:No Change,Valve 100% open
OXEW1603	3/3/2022 10:54	58.3	41.4	0.3	0.0	-28.3	-28.4	-31.5	126.3	39.7	Valve Adjustment:No Change,Valve 100% open

OXEW1603	3/17/2022 14:28	56.0	38.0	0.8	5.2	-29.8	-30.3	-31.3	125.4	84.5	Valve Adjustment:No Change,Valve 100% open
OXEW1604	3/3/2022 12:20	57.6	42.4	0.0	0.0	-0.8	-0.9	-28.1	124.3	40.9	Valve Adjustment:Opened valve 1/2 turn or less
OXEW1604	3/21/2022 11:42	49.6	38.7	0.0	11.7	-3.6	-3.5	-30.5	127.5	11.5	Valve Adjustment:Closed valve 1/2 turn or less
OXEW1611	3/2/2022 14:02	59.4	39.7	0.0	0.9	-11.5	-11.4	-11.1	80.0	5.9	Valve Adjustment:No Change,Valve 100% open
OXEW1611	3/17/2022 15:27	45.4	31.6	4.8	18.2	-30.9	-30.9	-30.8	61.0	2.5	Valve Adjustment:Closed valve >10%,Valve 10% open
OXEW1612	3/3/2022 11:55	58.5	41.5	0.0	0.0	-22.7	-22.8	-33.7	123.7	28.7	Valve Adjustment:Opened valve 1/2 turn or less
OXEW1612	3/21/2022 12:07	56.1	40.5	0.0	3.4	-24.8	-25.0	-34.5	124.2	27.4	Valve Adjustment:Opened valve 1/2 turn or less
OXEW1613	3/3/2022 12:25	57.3	42.7	0.0	0.0	-6.5	-6.7	-31.6	126.9	36.5	Valve Adjustment:Opened valve 1/2 turn or less
OXEW1613	3/21/2022 11:21	54.9	40.8	0.2	4.1	-9.4	-9.7	-32.1	127.6	52.6	Valve Adjustment:Opened valve 1/2 turn or less
OXEW1614	3/4/2022 14:15	58.6	39.3	0.0	2.1	-0.5	-0.5	-33.2	118.3	18.2	Valve Adjustment:Opened valve 1/2 turn or less
OXEW1614	3/21/2022 11:09	42.8	37.1	0.1	20.0	-1.8	-1.7	-34.3	118.7	18.4	Valve Adjustment:Closed valve 1/2 turn or less
OXEW1616	3/3/2022 9:34	54.2	40.1	0.0	5.7	-16.8	-16.9	-30.9	115.6	26.0	Valve Adjustment:Opened valve 1/2 turn or less
OXEW1616	3/21/2022 10:58	49.7	38.3	0.0	12.0	-18.6	-18.5	-32.3	115.9	25.7	Valve Adjustment:Closed valve 1/2 turn or less
OXEW1617	3/3/2022 13:37	53.9	40.6	0.0	5.5	-3.0	-3.0	-35.8	130.2	18.3	Valve Adjustment:No Change,Valve 25% open
OXEW1617	3/21/2022 10:50	51.7	40.3	0.0	8.0	-4.3	-4.3	-36.4	130.4	19.7	Valve Adjustment:Closed valve 1/2 turn or less,Valve 25% open
OXEW1618	3/4/2022 14:51	58.8	40.9	0.0	0.3	-0.3	-0.4	-32.5	128.8	41.1	Valve Adjustment:Opened valve 1/2 turn or less,Valve 25% open
OXEW1618	3/21/2022 11:15	46.5	38.3	0.3	14.9	-1.6	-1.5	-34.1	128.9	43.1	Valve Adjustment:Closed valve 1/2 turn or less,Valve 20% open
OXEW1619	3/7/2022 13:56	58.0	40.0	0.2	1.8	-34.3	-34.3	-35.6	124.1	15.9	Valve Adjustment:No Change,Valve 100% open
OXEW1619	3/28/2022 10:07	57.4	42.5	0.1	0.0	-36.7	-36.7	-37.6	123.8	15.5	Valve Adjustment:No Change,Valve 100% open
OXEW1620	3/7/2022 14:02	59.3	39.1	0.0	1.6	-3.2	-3.2	-36.0	117.5	8.2	Valve Adjustment:Opened valve 1/2 turn or less,Valve 20% open
OXEW1620	3/28/2022 10:01	54.8	40.5	0.0	4.7	-6.8	-6.8	-38.5	119.0	11.7	Valve Adjustment:Opened valve 1/2 turn or less,Valve 25% open
OXEW1621	3/14/2022 10:46	34.2	36.1	0.0	29.7	-3.2	-2.7	-39.3	122.5	29.0	Valve Adjustment:Closed valve 1/2 turn to 1 turn
OXEW1621	3/29/2022 9:20	32.9	36.9	0.1	30.1	-4.0	-2.6	-40.8	121.3	39.4	Valve Adjustment:Closed valve >1 turn
OXEW1622	3/7/2022 13:54	50.4	36.3	2.8	10.5	-11.7	-11.7	-35.2	123.8	15.8	Valve Adjustment:No Change
OXEW1622	3/28/2022 10:15	48.8	38.0	3.2	10.0	-16.3	-16.4	-37.6	123.5	21.9	Valve Adjustment:No Change
OXEW1622	3/29/2022 13:52	50.5	35.2	3.6	10.7	-16.9	-16.8	-37.9	122.1	16.5	Valve Adjustment:Closed valve 1/2 turn or less
OXEW1701	3/3/2022 13:14	60.7	39.2	0.1	0.0	-32.3	-32.3	-33.4	120.2	20.6	Valve Adjustment:No Change,Valve 100% open
OXEW1701	3/21/2022 13:45	60.6	39.4	0.0	0.0	-34.8	-34.9	-35.0	120.4	19.9	Valve Adjustment:No Change,Valve 100% open
OXEW1702	3/3/2022 10:06	59.3	40.7	0.0	0.0	-29.0	-29.1	-33.2	123.5	46.4	Valve Adjustment:No Change,Valve 100% open
OXEW1702	3/21/2022 13:36	59.9	40.1	0.0	0.0	-32.1	-32.0	-34.6	123.8	40.0	Valve Adjustment:No Change,Valve 100% open
OXEW1703	3/3/2022 10:25	58.0	42.0	0.0	0.0	-30.4	-30.2	-31.0	128.0	21.3	Valve Adjustment:No Change,Valve 100% open
OXEW1703	3/21/2022 13:25	58.1	40.0	0.0	1.9	-32.5	-32.5	-32.9	127.6	17.8	Valve Adjustment:No Change,Valve 100% open
OXEW1705	3/2/2022 15:28	48.7	35.0	3.6	12.7	-17.9	-17.2	-17.2	98.0	8.7	Valve Adjustment:Closed valve >1 turn,Valve 75% open
OXEW1705	3/17/2022 13:57	41.3	30.3	6.3	22.1	-33.2	-23.2	-33.3	90.6	4.6	Valve Adjustment:NSPS/CAI,Closed valve >1 turn,Valve 15% open
OXEW1705	3/17/2022 14:02	17.7	12.5	14.9	54.9	-23.1	-16.5	-32.8	84.6	2.0	Valve Adjustment:Closed valve 1/2 turn to 1 turn,Valve 5% open

OXEW1705	3/28/2022 12:44	59.0	40.0	0.0	1.0	-0.1	-6.0	-35.3	84.0	5.5	Valve Adjustment:Opened valve 1/2 turn to 1 turn,Valve 20% open
OXEW1715	3/14/2022 9:30	56.2	38.4	0.3	5.1	-19.8	-20.6	-39.0	54.8	0.6	Valve Adjustment:Opened valve 1/2 turn or less,Valve 25% open
OXEW1715	3/29/2022 8:09	56.2	40.4	0.0	3.4	-19.7	-21.0	-40.7	57.8	0.2	Valve Adjustment:Opened valve 1/2 turn or less,Valve 25% open
OXEW1716	3/1/2022 13:09	56.3	40.9	0.0	2.8	-35.8	-35.8	-35.6	89.4	2.1	Valve Adjustment:No Change,Valve 100% open
OXEW1716	3/17/2022 11:24	57.2	38.6	0.0	4.2	-38.3	-38.3	-38.3	89.0	5.6	Valve Adjustment:No Change,Valve 100% open
OXEW1717	3/1/2022 13:26	53.4	39.0	0.1	7.5	-36.7	-36.7	-37.6	108.5	4.2	Valve Adjustment:Opened valve 1/2 turn or less,Valve 85% open
OXEW1717	3/17/2022 12:34	41.3	28.7	4.5	25.5	-39.3	-37.0	-40.4	118.9	5.6	Valve Adjustment:Closed valve >1 turn,Valve 50% open
OXEW1801	3/14/2022 13:03	46.3	32.7	3.6	17.4	-11.2	-11.0	-34.8	125.8	15.1	Valve Adjustment:Closed valve 1/2 turn or less,Valve 25% open
OXEW1801	3/21/2022 11:03	50.4	39.0	0.3	10.3	-13.6	-13.6	-35.1	126.6	14.9	Valve Adjustment:Closed valve 1/2 turn or less,Valve 20% open
OXEW1804	3/3/2022 12:13	58.3	41.7	0.0	0.0	-33.7	-33.7	-34.9	122.1	18.8	Valve Adjustment:No Change,Valve 100% open
OXEW1804	3/21/2022 11:48	58.1	40.7	0.0	1.2	-34.4	-34.4	-35.3	122.8	17.7	Valve Adjustment:No Change,Valve 100% open
OXEW1805	3/3/2022 12:08	58.1	41.7	0.2	0.0	-19.6	-20.0	-34.0	120.5	17.9	Valve Adjustment:Opened valve 1/2 turn or less,Valve 55% open
OXEW1805	3/21/2022 11:52	55.3	40.1	0.2	4.4	-21.3	-21.3	-34.8	125.2	19.7	Valve Adjustment:Opened valve 1/2 turn or less,Valve 55% open
OXEW1806	3/7/2022 15:28	55.7	40.0	0.0	4.3	-0.3	-0.5	-36.9	123.2	6.1	Valve Adjustment:Opened valve 1/2 turn or less,Valve 10% open
OXEW1806	3/21/2022 14:23	49.8	39.4	0.0	10.8	-0.2	-0.2	-38.5	121.9	11.3	Valve Adjustment:Closed valve 1/2 turn or less,Valve 10% open
OXEW1807	3/3/2022 9:51	55.9	40.1	0.4	3.6	-17.5	-14.0	-37.5	131.6	37.9	Valve Adjustment:Closed valve 1/2 turn or less,Valve 45% open
OXEW1807	3/3/2022 9:53	55.5	40.0	0.2	4.3	-14.4	-14.3	-36.9	130.3	57.8	Valve Adjustment:No Change,Valve 45% open
OXEW1807	3/21/2022 13:17	54.1	38.8	0.5	6.6	-17.6	-17.3	-37.7	130.4	49.8	Valve Adjustment:No Change,Valve 45% open
OXEW1808	3/3/2022 10:43	55.2	39.0	1.5	4.3	-32.8	-32.9	-33.2	72.5	9.7	Valve Adjustment:Opened valve 1/2 turn or less,Valve 80% open
OXEW1808	3/17/2022 13:44	50.8	33.8	2.6	12.8	-33.5	-33.0	-33.7	68.9	10.7	Valve Adjustment:Closed valve 1/2 turn to 1 turn,Valve 55% open
OXEW1809	3/3/2022 11:40	56.9	39.9	0.3	2.9	-27.3	-27.3	-32.2	114.6	49.5	Valve Adjustment:No Change,Valve 100% open
OXEW1809	3/17/2022 14:45	55.3	38.6	0.3	5.8	-26.0	-26.0	-31.5	116.5	56.0	Valve Adjustment:No Change,Valve 100% open
OXEW1810	3/1/2022 13:47	55.0	34.0	0.4	10.6	-28.8	-28.9	-35.9	70.5	2.7	Valve Adjustment:Opened valve 1/2 turn or less,Valve 5% open
OXEW1810	3/17/2022 10:10	53.5	32.5	1.1	12.9	-29.8	-29.8	-38.4	61.4	2.9	Valve Adjustment:Valve at minimum position,Opened valve 1/2 turn or less
OXEW1811	3/4/2022 13:55	55.9	37.1	1.3	5.7	-6.6	-6.6	-34.9	80.5	8.2	Valve Adjustment:Opened valve 1/2 turn or less,Valve 25% open
OXEW1811	3/21/2022 10:07	51.3	35.7	2.7	10.3	-11.5	-11.2	-36.0	59.7	8.2	Valve Adjustment:Closed valve 1/2 turn or less,Valve 25% open
OXEW1812	3/10/2022 10:10	53.4	39.5	0.2	6.9	-21.7	-21.8	-39.4	124.4	37.1	Valve Adjustment:Opened valve 1/2 turn or less,Valve 45% open
OXEW1812	3/29/2022 8:33	48.1	39.8	0.2	11.9	-23.4	-23.3	-41.2	124.1	36.8	Valve Adjustment:Closed valve 1/2 turn or less,Valve 40% open
OXEW1813	3/3/2022 9:38	58.9	41.1	0.0	0.0	-34.1	-34.1	-34.5	114.9	10.8	Valve Adjustment:No Change,Valve 100% open
OXEW1813	3/21/2022 10:54	59.2	40.6	0.0	0.2	-35.6	-35.5	-36.1	115.4	12.1	Valve Adjustment:No Change,Valve 100% open
OXEW1815	3/7/2022 15:07	57.3	37.1	0.0	5.6	-6.1	-6.2	-37.1	126.7	25.0	Valve Adjustment:Opened valve 1/2 turn or less,Valve 35% open
OXEW1815	3/28/2022 15:15	56.5	38.1	0.0	5.4	-8.5	-8.7	-40.7	126.1	29.6	Valve Adjustment:Opened valve 1/2 turn or less,Valve 35% open
OXEW1816	3/2/2022 15:15	60.0	39.6	0.0	0.4	-9.7	-9.7	-17.1	117.0	68.3	Valve Adjustment:No Change,Valve 100% open
OXEW1816	3/21/2022 13:41	57.6	38.5	0.8	3.1	-18.2	-18.3	-34.7	116.1	101.8	Valve Adjustment:Valve 100% open,Opened valve 1/2 turn or less
OXEW1817	3/2/2022 15:07	58.9	39.0	0.0	2.1	-15.5	-15.4	-15.6	107.6	7.0	Valve Adjustment:No Change,Valve 100% open

OXEW1817	3/17/2022 13:31	59.5	39.3	0.1	1.1	-32.0	-32.1	-33.5	109.6	16.3	Valve Adjustment:No Change,Valve 100% open
OXEW1821	3/1/2022 12:57	40.6	24.1	0.0	35.3	-0.1	-0.1	-36.2	76.6	0.1	Valve Adjustment:No Change,Valve at minimum position
OXEW1821	3/17/2022 10:56	39.3	23.3	0.0	37.4	-0.3	-0.2	-39.0	59.7	0.2	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less
OXEW1822	3/1/2022 12:47	29.5	26.7	0.0	43.8	-0.1	-0.1	-35.9	74.5	0.1	Valve Adjustment:No Change,Valve at minimum position
OXEW1822	3/17/2022 10:51	24.1	23.9	1.2	50.8	-0.1	-0.1	-38.9	58.1	0.1	Valve Adjustment:No Change,Valve at minimum position
OXEW1823	3/1/2022 12:43	25.4	29.1	0.0	45.5	-0.1	-0.1	-35.5	76.6	0.1	Valve Adjustment:No Change,Valve at minimum position
OXEW1823	3/17/2022 10:49	24.8	27.7	0.5	47.0	-0.1	-0.1	-38.1	57.6	0.0	Valve Adjustment:No Change,Valve at minimum position
OXEW1824	3/1/2022 12:08	64.1	33.3	0.1	2.5	-35.9	-35.9	-35.6	77.3	0.7	Valve Adjustment:No Change,Valve 100% open
OXEW1824	3/17/2022 10:16	63.1	32.4	0.8	3.7	-38.7	-38.6	-38.5	54.8	2.8	Valve Adjustment:No Change,Valve 100% open
OXEW1825	3/1/2022 13:44	50.4	34.7	0.2	14.7	-2.2	-2.2	-35.9	74.8	0.8	Valve Adjustment:No Change,Valve at minimum position
OXEW1825	3/17/2022 10:07	47.9	32.0	1.3	18.8	-3.6	-3.6	-38.1	55.7	0.9	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less
OXEW1826	3/10/2022 10:20	53.2	39.4	1.0	6.4	-3.2	-3.2	-38.6	77.9	3.6	Valve Adjustment:Opened valve 1/2 turn or less,Valve 5% open
OXEW1826	3/29/2022 8:37	43.5	37.5	0.7	18.3	-5.8	-5.7	-40.1	84.5	6.9	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less
OXEW1901	3/7/2022 14:08	57.8	40.4	0.1	1.7	-35.6	-35.7	-36.1	75.2	8.8	Valve Adjustment:No Change,Valve 100% open
OXEW1901	3/28/2022 9:48	57.5	42.2	0.3	0.0	-38.5	-38.4	-38.9	69.7	3.7	Valve Adjustment:No Change,Valve 100% open
OXEW1902	3/3/2022 10:21	58.6	41.4	0.0	0.0	-32.0	-31.6	-33.4	64.2	23.2	Valve Adjustment:No Change,Valve 100% open
OXEW1902	3/21/2022 13:31	47.6	32.9	3.8	15.7	-35.1	-35.1	-34.7	73.3	5.7	Valve Adjustment:Closed valve 1/2 turn or less,Valve 60% open
OXEW1904	3/3/2022 10:30	56.4	40.8	0.0	2.8	-12.5	-12.5	-33.8	102.4	40.2	Valve Adjustment:Opened valve 1/2 turn or less,Valve 50% open
OXEW1904	3/21/2022 13:21	50.7	37.9	0.1	11.3	-15.7	-15.4	-37.4	116.0	43.9	Valve Adjustment:Closed valve 1/2 turn or less,Valve 50% open
OXEW1908	3/2/2022 14:19	59.7	39.2	0.1	1.0	-9.6	-9.6	-10.5	112.9	10.2	Valve Adjustment:No Change,Valve 100% open
OXEW1908	3/17/2022 15:19	60.2	38.0	0.1	1.7	-26.1	-26.0	-29.6	112.4	25.3	Valve Adjustment:No Change,Valve 100% open
OXEW1909	3/2/2022 14:40	56.3	42.0	0.1	1.6	-12.6	-12.6	-12.3	77.9	6.6	Valve Adjustment:No Change,Valve 100% open
OXEW1909	3/29/2022 11:51	55.7	41.4	0.2	2.7	-35.5	-35.4	-35.3	70.3	7.3	Valve Adjustment:No Change,Valve 100% open
OXEW1910	3/2/2022 14:25	57.2	39.2	0.0	3.6	-10.3	-10.2	-12.2	113.7	8.1	Valve Adjustment:No Change,Valve 100% open
OXEW1910	3/17/2022 15:04	55.8	38.0	0.0	6.2	-25.0	-25.0	-33.4	113.7	25.7	Valve Adjustment:No Change,Valve 100% open
OXEW1911	3/3/2022 11:58	57.5	40.8	0.8	0.9	-16.2	-16.2	-35.8	130.0	13.7	Valve Adjustment:No Change,Valve 30% open
OXEW1911	3/21/2022 11:56	57.6	39.8	0.4	2.2	-13.5	-13.8	-36.6	130.3	11.5	Valve Adjustment:Opened valve 1/2 turn or less,Valve 35% open
OXEW1912	3/3/2022 11:20	57.3	41.0	0.3	1.4	-16.2	-16.2	-36.6	122.9	40.7	Valve Adjustment:Opened valve 1/2 turn or less,Valve 45% open
OXEW1912	3/17/2022 14:42	55.8	38.8	0.1	5.3	-18.2	-18.3	-36.1	123.6	36.3	Valve Adjustment:Opened valve 1/2 turn or less,Valve 45% open
OXEW1913	3/10/2022 10:04	58.3	41.7	0.0	0.0	-17.5	-18.0	-39.2	94.5	22.2	Valve Adjustment:Opened valve 1/2 turn or less,Valve 30% open
OXEW1913	3/29/2022 8:24	57.8	40.2	0.0	2.0	-18.9	-19.4	-39.9	93.2	23.7	Valve Adjustment:Opened valve 1/2 turn or less,Valve 35% open
OXEW1914	3/4/2022 13:24	58.4	41.4	0.2	0.0	-35.3	-35.3	-35.3	99.7	5.5	Valve Adjustment:No Change,Valve 100% open
OXEW1914	3/21/2022 9:36	59.0	39.9	0.1	1.0	-37.2	-37.3	-37.9	99.6	4.8	Valve Adjustment:No Change,Valve 100% open
OXEW1915	3/10/2022 13:09	50.2	37.6	0.0	12.2	-3.4	-3.3	-41.4	61.7	7.6	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less
OXEW1915	3/17/2022 12:14	51.0	36.7	0.0	12.3	-2.7	-2.7	-40.7	61.3	6.1	Valve Adjustment:No Change,Valve at minimum position

OXEW1916	3/10/2022 14:32	60.1	32.0	1.1	6.8	-38.5	-39.5	-39.5	71.5	0.3	Valve Adjustment:Opened valve 1/2 turn or less,Valve 5% open
OXEW1916	3/28/2022 13:00	48.7	30.6	4.6	16.1	-40.1	-40.1	-40.6	66.1	0.3	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less
OXEW1917	3/10/2022 15:17	55.2	38.1	0.1	6.6	-27.3	-27.4	-39.6	78.5	3.2	Valve Adjustment:Opened valve 1/2 turn or less,Valve 10% open
OXEW1917	3/28/2022 13:33	56.0	39.1	0.0	4.9	-22.3	-22.6	-37.9	72.6	3.3	Valve Adjustment:Opened valve 1/2 turn or less,Valve 10% open
OXEW1918	3/1/2022 13:49	11.7	20.3	2.6	65.4	-0.1	-0.1	-35.2	76.3	0.4	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less
OXEW1918	3/17/2022 10:05	38.1	28.8	0.0	33.1	-0.1	-0.1	-38.5	53.8	1.4	Valve Adjustment:No Change,Valve at minimum position
OXEW1919	3/1/2022 12:36	60.9	37.2	0.0	1.9	-0.3	-0.4	-35.7	84.0	0.9	Valve Adjustment:No Change,Valve at minimum position
OXEW1919	3/17/2022 10:39	61.9	35.8	0.0	2.3	-0.3	-0.3	-38.4	58.6	1.8	Valve Adjustment:No Change,Valve at minimum position
OXEW1920	3/1/2022 12:33	40.1	28.6	0.3	31.0	-0.1	-0.1	-35.7	78.3	0.5	Valve Adjustment:No Change,Valve at minimum position
OXEW1920	3/17/2022 11:02	31.5	24.2	2.3	42.0	-0.1	-0.1	-38.3	59.3	0.1	Valve Adjustment:No Change,Valve at minimum position
OXEW1921	3/1/2022 12:13	51.0	36.0	0.6	12.4	-33.0	-33.1	-35.5	113.3	27.0	Valve Adjustment:No Change,Valve 75% open
OXEW1921	3/17/2022 10:19	52.6	34.8	0.7	11.9	-36.0	-36.1	-39.1	111.9	29.6	Valve Adjustment:Opened valve 1/2 turn or less,Valve 75% open
OXEW2001	3/10/2022 13:50	40.8	35.3	0.0	23.9	-2.1	-2.0	-35.6	122.3	9.2	Valve Adjustment:Closed valve 1/2 turn or less,Valve 10% open
OXEW2001	3/28/2022 13:20	42.0	36.1	0.0	21.9	-2.3	-2.2	-34.1	122.2	10.1	Valve Adjustment:Closed valve 1/2 turn or less,Valve 10% open
OXEW2002	3/1/2022 13:22	53.3	40.7	0.0	6.0	-33.2	-33.2	-38.1	120.9	35.9	Valve Adjustment:No Change,Valve 70% open
OXEW2002	3/17/2022 11:38	47.4	35.1	2.6	14.9	-34.8	-33.9	-41.5	116.0	43.2	Valve Adjustment:Closed valve 1/2 turn to 1 turn,Valve 60% open
OXEW2003	3/1/2022 13:18	54.2	41.0	0.1	4.7	-38.0	-38.0	-38.0	115.4	3.9	Valve Adjustment:No Change,Valve 100% open
OXEW2003	3/17/2022 11:35	55.8	40.2	0.1	3.9	-40.8	-40.8	-40.9	114.6	3.6	Valve Adjustment:No Change,Valve 100% open
OXEW2004	3/1/2022 13:29	53.8	40.3	0.0	5.9	-31.7	-31.7	-37.7	129.9	50.5	Valve Adjustment:No Change,Valve 100% open
OXEW2004	3/17/2022 11:18	55.2	39.1	0.0	5.7	-34.9	-34.9	-40.7	129.4	50.2	Valve Adjustment:No Change,Valve 100% open
OXEW2005	3/1/2022 13:08	51.3	40.2	0.0	8.5	-3.0	-3.0	-36.2	124.3	8.1	Valve Adjustment:No Change,Valve 25% open
OXEW2005	3/17/2022 12:36	53.4	38.8	0.1	7.7	-3.7	-3.7	-39.3	122.6	8.0	Valve Adjustment:Opened valve 1/2 turn or less,Valve 25% open
OXEW2006	3/1/2022 12:15	25.9	16.0	11.2	46.9	0.0	-0.1	-35.4	81.6	0.2	Valve Adjustment:NSPS/CAI,Opened valve 1/2 turn or less,Valve 5% open
OXEW2006	3/1/2022 12:19	12.4	7.6	16.4	63.6	-0.2	-0.2	-34.5	82.7	1.0	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less
OXEW2006	3/17/2022 10:37	50.0	30.5	2.8	16.7	-0.1	-0.1	-37.9	55.9	0.7	Valve Adjustment:No Change,Valve at minimum position
OXEW2007	3/1/2022 12:22	58.3	39.3	0.2	2.2	-34.3	-34.3	-35.8	110.5	26.0	Valve Adjustment:No Change,Valve 100% open
OXEW2007	3/17/2022 10:27	58.4	36.7	0.2	4.7	-37.5	-37.5	-38.8	110.0	18.5	Valve Adjustment:No Change,Valve 100% open
OXEW2008	3/1/2022 12:29	65.3	32.5	0.3	1.9	-36.2	-36.2	-36.1	78.7	3.0	Valve Adjustment:No Change,Valve 100% open
OXEW2008	3/17/2022 11:08	63.1	32.0	0.6	4.3	-38.5	-38.5	-38.4	63.8	3.4	Valve Adjustment:No Change,Valve 100% open
OXEW2009	3/10/2022 15:23	57.8	40.1	0.3	1.8	-39.9	-39.8	-39.8	97.1	9.3	Valve Adjustment:No Change,Valve 100% open
OXEW2009	3/28/2022 13:42	58.5	41.1	0.0	0.4	-39.5	-39.5	-39.9	98.2	7.0	Valve Adjustment:No Change,Valve 100% open
OXEW2010	3/10/2022 15:19	58.2	38.9	0.0	2.9	-3.7	-4.9	-39.3	75.1	2.5	Valve Adjustment:Opened valve 1/2 turn or less,Valve 5% open
OXEW2010	3/28/2022 13:39	59.3	40.5	0.0	0.2	-15.7	-16.9	-39.9	68.8	2.6	Valve Adjustment:Opened valve 1/2 turn or less,Valve 5% open
OXEW2011	3/10/2022 14:02	57.3	39.0	0.0	3.7	-3.1	-3.5	-39.8	110.8	11.0	Valve Adjustment:Opened valve 1/2 turn or less,Valve 15% open
OXEW2011	3/28/2022 13:06	54.9	40.2	0.0	4.9	-3.8	-3.9	-40.2	111.7	11.2	Valve Adjustment:Opened valve 1/2 turn or less,Valve 15% open

OXEW2012	3/10/2022 13:35	53.1	38.3	0.4	8.2	-31.5	-31.6	-43.4	111.6	21.7	Valve Adjustment:Opened valve 1/2 turn or less,Valve 45% open
OXEW2012	3/17/2022 11:53	52.4	37.5	0.5	9.6	-31.4	-31.4	-42.5	110.4	21.6	Valve Adjustment:No Change,Valve 45% open
OXEW2016	3/3/2022 10:50	57.4	42.3	0.2	0.1	-17.5	-17.5	-35.0	130.4	34.2	Valve Adjustment:No Change,Valve 40% open
OXEW2016	3/17/2022 14:17	57.2	39.3	0.4	3.1	-20.6	-20.9	-35.3	130.1	33.7	Valve Adjustment:Opened valve 1/2 turn or less,Valve 45% open
OXEW2017	3/3/2022 10:58	58.1	41.9	0.0	0.0	0.6	-0.1	-34.2	111.2	3.5	Valve Adjustment:NSPS/CAI,Opened valve 1/2 turn or less,Valve 25% open
OXEW2017	3/3/2022 11:01	58.1	41.8	0.1	0.0	-0.2	-0.2	-34.7	120.9	12.5	Valve Adjustment:No Change,Valve 25% open
OXEW2017	3/17/2022 14:32	48.0	35.0	1.8	15.2	-0.8	-0.8	-34.6	120.4	7.6	Valve Adjustment:Closed valve 1/2 turn or less,Valve 25% open
OXEW2019	3/2/2022 14:49	55.8	43.5	0.0	0.7	-9.2	-9.2	-10.3	94.1	31.5	Valve Adjustment:No Change,Valve 100% open
OXEW2019	3/29/2022 11:56	55.9	41.1	0.0	3.0	-27.7	-28.2	-33.8	92.9	57.9	Valve Adjustment:Opened valve 1/2 turn to 1 turn,Valve 95% open
OXEW2020	3/7/2022 15:09	59.0	38.8	0.0	2.2	-3.4	-2.9	-36.2	131.8	10.3	Valve Adjustment:NSPS/CAI,Closed valve 1/2 turn to 1 turn,Valve 5% open
OXEW2020	3/7/2022 15:11	59.3	39.2	0.0	1.5	-2.6	-2.8	-36.4	130.2	9.1	Valve Adjustment:Opened valve 1/2 turn or less,Valve 10% open
OXEW2020	3/28/2022 15:19	60.0	40.0	0.0	0.0	-5.9	-6.0	-39.0	130.3	10.9	Valve Adjustment:No Change,Valve 10% open
OXEW2021	3/7/2022 14:41	60.7	37.1	0.0	2.2	0.7	-0.1	-36.0	88.7	1.2	Valve Adjustment:NSPS/CAI,Opened valve 1/2 turn or less,Valve 25% open
OXEW2021	3/7/2022 14:44	60.6	38.0	0.0	1.4	-0.8	-0.8	-36.8	92.8	1.7	Valve Adjustment:No Change,Valve 25% open
OXEW2021	3/28/2022 15:05	56.5	36.8	1.2	5.5	-1.6	-1.8	-39.2	96.1	2.0	Valve Adjustment:Opened valve 1/2 turn or less,Valve 25% open
OXEW2022	3/3/2022 13:20	59.1	40.1	0.0	0.8	-28.5	-28.6	-37.2	128.6	35.3	Valve Adjustment:Opened valve 1/2 turn to 1 turn,Valve 85% open
OXEW2022	3/21/2022 12:51	58.9	40.8	0.1	0.2	-31.1	-31.1	-37.7	128.4	35.0	Valve Adjustment:Valve 100% open,Opened valve 1/2 turn to 1 turn
OXEW2023	3/2/2022 15:19	59.7	39.5	0.0	0.8	-15.7	-15.7	-16.4	123.2	28.5	Valve Adjustment:No Change,Valve 100% open
OXEW2023	3/17/2022 13:48	59.4	38.9	0.2	1.5	-31.0	-30.9	-33.1	123.2	32.3	Valve Adjustment:No Change,Valve 100% open
OXEW2024	3/2/2022 15:02	57.3	38.7	0.5	3.5	-1.2	-1.3	-13.4	113.8	37.8	Valve Adjustment:Opened valve 1/2 turn or less,Valve 50% open
OXEW2024	3/17/2022 13:23	53.4	37.8	0.7	8.1	-5.0	-5.0	-34.9	110.7	61.8	Valve Adjustment:Opened valve 1/2 turn or less,Valve 45% open
OXEW2025	3/2/2022 15:42	59.4	39.1	0.0	1.5	-13.9	-14.0	-15.5	99.2	43.2	Valve Adjustment:No Change,Valve 100% open
OXEW2025	3/29/2022 12:10	61.5	37.5	0.0	1.0	-31.7	-31.6	-33.5	99.2	25.7	Valve Adjustment:Valve 100% open,Opened valve 1/2 turn to 1 turn
OXEW2026	3/2/2022 14:55	58.9	40.7	0.0	0.4	-10.3	-10.3	-14.6	98.5	55.8	Valve Adjustment:No Change,Valve 100% open
OXEW2026	3/29/2022 12:21	60.5	37.8	0.0	1.7	-26.9	-26.9	-39.9	97.4	92.1	Valve Adjustment:No Change,Valve 100% open
OXEW2027	3/14/2022 14:37	44.7	28.9	5.8	20.6	-18.0	-17.1	-34.1	70.9	3.3	Valve Adjustment:NSPS/CAI,Valve at minimum position,Closed valve 1/2 turn or less
OXEW2027	3/14/2022 14:42	44.4	28.9	4.8	21.9	-11.2	-11.2	-34.3	70.8	5.7	Valve Adjustment:No Change,Valve at minimum position
OXEW2027	3/29/2022 11:58	58.2	34.8	1.6	5.4	-26.7	-31.8	-34.8	55.0	9.8	Valve Adjustment:Opened valve 1/2 turn to 1 turn,Valve 15% open
OXEW2027	3/29/2022 13:33	61.9	36.8	0.0	1.3	-34.6	-35.2	-34.7	55.9	7.1	Valve Adjustment:Valve 100% open,Opened valve >1 turn
OXEW2028	3/14/2022 15:05	32.0	33.0	7.3	27.7	-37.8	-38.3	-38.5	71.7	2.5	Valve Adjustment:NSPS/CAI,Opened valve 1/2 turn to 1 turn,Valve 30% open
OXEW2028	3/14/2022 15:08	33.6	34.9	7.0	24.5	-38.7	-38.7	-38.6	71.3	3.5	Valve Adjustment:NSPS/CAI,Valve at minimum position,Closed valve 1/2 turn to 1 turn
OXEW2028	3/28/2022 12:46	23.9	23.0	11.3	41.8	19.2	-1.6	-39.4	59.8	1.2	Valve Adjustment:NSPS/CAI,Valve at minimum position,Opened valve 1/2 turn or less
OXEW2028	3/28/2022 12:47	37.9	33.1	4.8	24.2	-28.6	-28.7	-39.3	68.7	3.9	Valve Adjustment:No Change,Valve at minimum position
OXEW2029	3/3/2022 13:24	52.9	38.1	0.1	8.9	-7.6	-7.6	-37.5	122.0	34.9	Valve Adjustment:No Change,Valve 50% open
OXEW2029	3/21/2022 12:58	48.3	36.1	0.4	15.2	-9.2	-9.1	-38.5	121.2	35.0	Valve Adjustment:Closed valve 1/2 turn or less,Valve 45% open

OXEW2030	3/2/2022 15:34	58.6	40.2	0.0	1.2	-15.6	-15.6	-16.0	125.5	24.6	Valve Adjustment:No Change,Valve 100% open
OXEW2030	3/17/2022 14:07	57.5	39.6	0.2	2.7	-29.7	-29.7	-31.5	125.8	32.2	Valve Adjustment:No Change,Valve 100% open
OXEW2031	3/2/2022 15:40	58.1	39.8	0.0	2.1	-13.3	-13.3	-18.0	126.3	25.6	Valve Adjustment:No Change,Valve 100% open
OXEW2031	3/17/2022 14:13	56.7	39.2	0.1	4.0	-26.0	-26.0	-33.9	126.4	30.8	Valve Adjustment:No Change,Valve 100% open
OXEW2101	3/14/2022 10:11	50.0	39.8	0.0	10.2	-0.9	-0.9	-38.7	125.9	14.6	Valve Adjustment:Closed valve 1/2 turn or less,Valve 20% open
OXEW2101	3/21/2022 14:20	51.2	39.3	0.0	9.5	-0.8	-0.8	-38.3	126.0	14.2	Valve Adjustment:No Change,Valve 20% open
OXEW2102	3/2/2022 14:00	59.6	39.0	0.0	1.4	-10.9	-10.9	-11.0	100.8	13.3	Valve Adjustment:No Change,Valve 100% open
OXEW2102	3/17/2022 15:22	60.1	37.8	0.0	2.1	-29.3	-29.3	-31.0	91.3	31.6	Valve Adjustment:No Change,Valve 100% open
OXEW2103	3/14/2022 14:54	53.6	37.8	0.2	8.4	-8.9	-9.1	-39.3	102.1	69.2	Valve Adjustment:Opened valve 1/2 turn or less,Valve 55% open
OXEW2103	3/17/2022 15:32	54.2	36.9	0.1	8.8	-8.8	-9.0	-37.3	101.2	69.8	Valve Adjustment:Opened valve 1/2 turn or less,Valve 55% open
OXEW2104	3/14/2022 15:02	57.9	41.1	0.0	1.0	-21.0	-22.3	-43.4	114.5	38.5	Valve Adjustment:Opened valve 1/2 turn or less,Valve 85% open
OXEW2104	3/29/2022 12:29	58.5	39.6	0.0	1.9	-23.4	-23.8	-25.7	113.5	33.0	Valve Adjustment:Opened valve 1/2 turn or less,Valve 85% open
OXEW2105	3/2/2022 14:24	58.0	39.3	0.0	2.7	-4.5	-4.5	-11.7	108.7	7.8	Valve Adjustment:Opened valve 1/2 turn to 1 turn,Valve 65% open
OXEW2105	3/17/2022 15:05	54.4	37.3	0.1	8.2	-14.3	-14.3	-33.4	109.1	4.8	Valve Adjustment:Opened valve 1/2 turn or less,Valve 65% open
OXEW2106	3/3/2022 11:22	58.6	41.3	0.0	0.1	-22.4	-22.4	-24.0	115.9	18.6	Valve Adjustment:No Change,Valve 100% open
OXEW2106	3/17/2022 14:50	57.3	38.8	0.0	3.9	-23.1	-23.1	-24.0	116.2	18.7	Valve Adjustment:No Change,Valve 100% open
OXEW2107	3/10/2022 13:40	55.8	40.8	0.0	3.4	-26.8	-27.6	-28.3	120.0	12.3	Valve Adjustment:Valve 100% open,Opened valve 1/2 turn to 1 turn
OXEW2107	3/28/2022 13:27	55.2	41.5	0.0	3.3	-30.4	-30.4	-32.8	119.2	19.5	Valve Adjustment:No Change,Valve 100% open
OXEW2108	3/10/2022 12:47	54.0	40.2	0.1	5.7	-17.3	-17.4	-39.2	125.0	23.8	Valve Adjustment:Opened valve 1/2 turn or less,Valve 35% open
OXEW2108	3/17/2022 11:42	53.1	38.3	0.0	8.6	-15.5	-15.6	-39.7	124.2	23.1	Valve Adjustment:Opened valve 1/2 turn or less,Valve 35% open
OXEW2109	3/10/2022 13:59	57.8	38.3	0.0	3.9	-6.8	-7.7	-40.9	73.6	1.6	Valve Adjustment:Opened valve 1/2 turn or less,Valve 5% open
OXEW2109	3/28/2022 13:10	40.2	34.5	0.0	25.3	-17.0	-16.8	-42.7	80.8	3.2	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less
OXEW2110	3/2/2022 15:24	59.9	39.8	0.0	0.3	-12.9	-12.9	-13.6	104.4	23.8	Valve Adjustment:No Change,Valve 100% open
OXEW2110	3/17/2022 13:50	59.3	39.0	0.1	1.6	-27.0	-27.0	-28.3	104.7	25.9	Valve Adjustment:No Change,Valve 100% open
OXEW2111	3/14/2022 14:27	54.9	38.9	0.1	6.1	-6.9	-7.2	-41.3	97.7	112.4	Valve Adjustment:Opened valve 1/2 turn to 1 turn,Valve 85% open
OXEW2111	3/29/2022 13:18	54.6	36.1	0.0	9.3	-7.8	-8.0	-40.4	96.5	115.1	Valve Adjustment:Opened valve 1/2 turn to 1 turn,Valve 95% open
OXEW2112	3/2/2022 14:35	58.1	38.6	0.0	3.3	-11.9	-11.9	-14.5	100.7	4.6	Valve Adjustment:No Change,Valve 100% open
OXEW2112	3/29/2022 11:36	56.9	37.7	0.0	5.4	-33.3	-33.1	-40.7	98.0	5.4	Valve Adjustment:No Change,Valve 100% open
OXEW2113	3/14/2022 14:12	54.9	36.9	0.1	8.1	-31.0	-31.2	-38.4	121.1	47.1	Valve Adjustment:Opened valve 1/2 turn or less,Valve 70% open
OXEW2113	3/29/2022 11:33	55.0	36.2	0.1	8.7	-32.6	-32.9	-39.6	119.5	48.6	Valve Adjustment:Opened valve 1/2 turn or less,Valve 70% open
OXEWHC6A	3/10/2022 12:59	57.4	39.9	0.0	2.7	0.2	-0.1	-41.4	71.1	0.2	Valve Adjustment:NSPS/CAI,Valve at minimum position,Opened valve 1/2 turn or less
OXEWHC6A	3/10/2022 13:05	57.9	40.5	0.0	1.6	-0.3	-0.3	-41.9	74.4	1.4	Valve Adjustment:No Change,Valve at minimum position
OXEWHC6A	3/17/2022 12:20	55.9	40.4	0.0	3.7	-0.6	-0.6	-41.2	67.5	1.6	Valve Adjustment:Valve at minimum position,Opened valve 1/2 turn or less
OXHC1922	3/14/2022 14:07	50.5	33.2	1.6	14.7	-0.4	-0.4	-35.1	84.4	13.9	Valve Adjustment:No Change,Valve 35% open
OXHC1922	3/17/2022 15:00	51.3	34.9	1.4	12.4	-0.4	-0.4	-33.5	73.6	9.2	Valve Adjustment:No Change,Valve 35% open

OXHC2000	3/14/2022 11:21	59.1	39.6	0.0	1.3	-19.8	-21.8	-38.4	71.4	42.2	Valve Adjustment:Opened valve 1/2 turn to 1 turn,Valve 75% open
OXHC2000	3/29/2022 12:45	59.3	38.6	0.1	2.0	-23.4	-27.7	-38.4	60.6	45.8	Valve Adjustment:Opened valve 1/2 turn to 1 turn,Valve 85% open
OXHC2001	3/14/2022 11:28	54.7	36.8	2.1	6.4	-1.6	-1.6	-39.5	72.4	19.8	Valve Adjustment:Opened valve 1/2 turn or less,Valve 25% open
OXHC2001	3/29/2022 12:49	54.5	34.4	2.6	8.5	-2.0	-2.0	-40.6	60.8	30.2	Valve Adjustment:No Change,Valve 25% open
OXHC2013	3/14/2022 9:27	42.0	35.5	0.3	22.2	-1.1	-1.0	-39.4	49.3	5.5	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less
OXHC2013	3/29/2022 8:06	51.0	39.8	0.4	8.8	-1.5	-1.4	-41.0	52.9	4.1	Valve Adjustment:No Change,Valve at minimum position
OXHC2014	3/14/2022 14:14	56.0	38.1	0.0	5.9	-1.3	-1.5	-39.5	78.8	41.3	Valve Adjustment:Opened valve 1/2 turn or less,Valve 55% open
OXHC2014	3/29/2022 11:38	53.1	37.5	0.4	9.0	-2.3	-2.5	-40.6	77.3	42.4	Valve Adjustment:Opened valve 1/2 turn or less,Valve 60% open
OXHC2015	3/14/2022 16:39	52.9	34.5	0.0	12.6	-0.2	-0.2	-20.7	90.6	32.8	Valve Adjustment:No Change
OXHC2015	3/28/2022 12:11	50.4	36.0	0.2	13.4	-1.0	-1.0	-43.9	92.5	27.6	Valve Adjustment:Closed valve 1/2 turn or less,Valve 25% open
OXHC2101	3/14/2022 11:40	49.5	37.6	0.3	12.6	-0.2	-0.2	-36.4	94.8	9.2	Valve Adjustment:No Change,Valve 10% open
OXHC2101	3/29/2022 12:34	48.3	36.4	0.4	14.9	-0.2	-0.2	-39.2	89.5	10.4	Valve Adjustment:No Change,Valve 10% open
OXLCR4A1	3/2/2022 13:28	56.8	37.5	0.0	5.7	-11.0	-10.4	-17.8	80.0	28.7	Valve Adjustment:Opened valve 1/2 turn or less,Valve 55% open
OXLCR4A1	3/28/2022 12:09	55.5	37.4	0.0	7.1	-37.4	-37.6	-45.4	68.5	38.7	Valve Adjustment:Opened valve 1/2 turn to 1 turn,Valve 60% open
OXLCR4B1	3/14/2022 16:41	49.9	34.6	2.2	13.3	-0.9	-1.0	-20.1	80.3	6.2	Valve Adjustment:No Change,Valve at minimum position
OXLCR4B1	3/28/2022 12:05	49.0	34.1	2.3	14.6	-1.4	-1.3	-44.3	80.8	5.0	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less
OXLCRS07	3/14/2022 11:11	59.8	38.2	0.2	1.8	-14.0	-13.9	-41.1	84.8	125.2	Valve Adjustment:No Change,Valve 100% open
OXLCRS07	3/29/2022 12:50	59.4	35.6	0.6	4.4	-17.3	-17.3	-41.6	84.2	60.7	Valve Adjustment:No Change,Valve 100% open
OXLCRS10	3/14/2022 11:33	52.5	34.4	2.6	10.5	-1.5	-1.5	-36.3	82.1	10.9	Valve Adjustment:No Change,Valve 30% open
OXLCRS10	3/29/2022 12:36	54.1	34.8	2.6	8.5	-1.7	-1.8	-35.0	79.2	11.2	Valve Adjustment:Opened valve 1/2 turn or less,Valve 35% open
OXLCRS11	3/14/2022 11:31	44.3	33.8	2.3	19.6	-2.8	-2.5	-43.1	82.9	28.5	Valve Adjustment:Closed valve 1/2 turn or less,Valve 50% open
OXLCRS11	3/29/2022 12:42	34.9	27.3	4.9	32.9	-3.0	-1.8	-42.6	79.8	26.3	Valve Adjustment:Closed valve 1/2 turn to 1 turn,Valve 40% open
OXLCRS3A	3/10/2022 9:31	57.7	42.3	0.0	0.0	-32.0	-31.5	-37.2	92.5	121.7	Valve Adjustment:No Change,Valve 100% open
OXLCRS3A	3/28/2022 10:45	57.7	42.3	0.0	0.0	-29.7	-29.4	-36.7	92.2	133.8	Valve Adjustment:No Change,Valve 100% open
OXLCRS3B	3/10/2022 9:29	57.0	42.8	0.2	0.0	-32.2	-31.9	-38.0	93.0	126.5	Valve Adjustment:No Change,Valve 100% open
OXLCRS3B	3/28/2022 10:48	57.3	42.7	0.0	0.0	-29.3	-29.7	-37.8	92.3	155.7	Valve Adjustment:No Change,Valve 100% open
OXLCRS7B	3/14/2022 11:15	59.8	38.2	0.3	1.7	-14.0	-14.0	-34.6	85.6	101.1	Valve Adjustment:No Change,Valve 100% open
OXLCRS7B	3/29/2022 12:53	60.0	36.2	0.7	3.1	-18.3	-18.2	-34.2	84.2	31.0	Valve Adjustment:No Change,Valve 100% open
OXLCRS9A	3/14/2022 14:16	52.6	45.5	0.1	1.8	-35.7	-35.7	-37.6	70.9	4.8	Valve Adjustment:Opened valve 1/2 turn or less,Valve 5% open
OXLCRS9A	3/29/2022 11:41	52.5	42.7	0.1	4.7	-37.0	-37.0	-38.3	59.9	4.5	Valve Adjustment:Opened valve 1/2 turn or less,Valve 15% open
OXLCRS9B	3/14/2022 14:18	13.0	12.5	15.1	59.4	-0.1	-0.8	-37.9	67.1	7.0	Valve Adjustment:NSPS/CAI,Opened valve 1/2 turn to 1 turn,Valve 15% open
OXLCRS9B	3/14/2022 14:20	13.1	0.0	15.3	71.6	-0.3	-0.1	-38.1	66.3	3.1	Valve Adjustment:NSPS/CAI,Valve at minimum position,Closed valve 1/2 turn or less
OXLCRS9B	3/29/2022 11:42	12.5	11.9	16.3	59.3	-0.2	-0.2	-38.4	62.4	9.1	Valve Adjustment:NSPS/CAI,Opened valve 1/2 turn or less,Valve 5% open
OXLCRS9B	3/29/2022 11:46	10.8	9.4	16.6	63.2	-0.3	-0.2	-38.9	62.5	6.5	Valve Adjustment:NSPS/CAI,Valve at minimum position,Closed valve 1/2 turn or less
OXME302D	3/7/2022 14:54	31.2	21.5	9.9	37.4	-14.8	-14.2	-36.9	119.7	67.6	Valve Adjustment:NSPS/CAI,Closed valve 1/2 turn or less

OXME302D	3/7/2022 14:58	30.1	20.2	10.2	39.5	-13.5	-13.2	-37.1	119.6	23.3	Valve Adjustment:NSPS/CAI,Closed valve 1/2 turn or less
OXME302D	3/21/2022 14:33	46.3	31.1	5.3	17.3	-11.9	-11.7	-38.7	118.9	19.4	Valve Adjustment:NSPS/CAI,Closed valve 1/2 turn or less
OXME302D	3/21/2022 14:40	46.0	30.9	4.9	18.2	-11.1	-11.1	-38.7	118.5	27.4	Valve Adjustment:Closed valve 1/2 turn or less
OXME306D	3/7/2022 14:20	59.4	39.0	0.1	1.5	-34.7	-34.7	-36.4	126.5	18.2	Valve Adjustment:No Change,Valve 100% open
OXME306D	3/28/2022 9:38	58.7	41.3	0.0	0.0	-37.7	-37.7	-39.1	126.2	16.3	Valve Adjustment:No Change,Valve 100% open
OXME312D	3/3/2022 13:34	40.6	34.8	0.0	24.6	-1.4	-1.4	-36.1	112.5	12.2	Valve Adjustment:Closed valve 1/2 turn or less
OXME312D	3/21/2022 13:09	35.8	33.3	0.0	30.9	-2.3	-2.3	-37.3	113.1	10.1	Valve Adjustment:Closed valve 1/2 turn or less
OXME316D	3/4/2022 13:35	58.3	38.0	0.7	3.0	-26.7	-26.7	-30.2	125.8	38.0	Valve Adjustment:No Change,Valve 100% open
OXME316D	3/21/2022 9:43	59.2	39.8	0.1	0.9	-30.7	-31.0	-33.2	126.7	24.2	Valve Adjustment:Valve 100% open,Opened valve 1/2 turn to 1 turn
OXME317D	3/4/2022 13:50	58.9	40.0	0.3	0.8	-34.2	-34.2	-34.1	71.9	10.7	Valve Adjustment:No Change,Valve 100% open
OXME317D	3/21/2022 10:00	59.0	39.8	0.2	1.0	-34.9	-34.9	-35.4	74.5	7.2	Valve Adjustment:No Change,Valve 100% open
OXMEW113	3/10/2022 10:53	55.3	42.3	0.2	2.2	-14.6	-14.7	-38.4	70.9	0.0	Valve Adjustment:Opened valve 1/2 turn or less
OXMEW113	3/29/2022 9:41	53.7	40.9	0.5	4.9	-17.6	-18.7	-39.2	68.7	77.8	Valve Adjustment:Opened valve 1/2 turn or less
OXMEW122	3/4/2022 11:15	60.9	36.1	0.5	2.5	-32.6	-32.5	-32.9	65.7	0.0	Valve Adjustment:No Change,Valve 100% open
OXMEW122	3/29/2022 13:49	59.6	37.6	0.2	2.6	-39.5	-39.5	-39.0	62.2	14.1	Valve Adjustment:No Change,Valve 100% open
OXMEW126	3/14/2022 13:37	60.3	38.5	0.1	1.1	-37.9	-37.6	-37.5	64.9	6.6	Valve Adjustment:No Change,Valve 100% open
OXMEW126	3/29/2022 10:19	58.0	41.9	0.1	0.0	-38.7	-38.7	-39.1	61.0	35.5	Valve Adjustment:No Change,Valve 100% open
OXMEW138	3/10/2022 9:38	44.5	37.4	0.1	18.0	-4.7	-3.4	-36.4	70.9	4.8	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less
OXMEW138	3/28/2022 10:53	47.9	39.6	0.0	12.5	-2.6	-2.4	-36.4	70.6	2.0	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less
OXMEW145	3/10/2022 10:43	57.1	42.4	0.0	0.5	-36.0	-36.5	-38.9	99.3	22.6	Valve Adjustment:Opened valve 1/2 turn or less,Valve 60% open
OXMEW145	3/29/2022 10:04	57.0	42.8	0.0	0.2	-38.4	-38.4	-40.0	98.4	23.4	Valve Adjustment:Valve 100% open,Opened valve 1/2 turn to 1 turn
OXMEW156	3/10/2022 12:58	56.6	39.9	0.3	3.2	-25.0	-25.3	-41.3	61.7	6.2	Valve Adjustment:Opened valve 1/2 turn or less,Valve 5% open
OXMEW156	3/17/2022 12:23	56.4	39.8	0.2	3.6	-25.5	-25.7	-40.9	61.4	6.4	Valve Adjustment:Opened valve 1/2 turn or less,Valve 5% open
OXMEW158	3/10/2022 11:36	55.7	44.1	0.0	0.2	-17.9	-19.0	-38.3	69.2	0.0	Valve Adjustment:Opened valve 1/2 turn or less,Valve 5% open
OXMEW158	3/29/2022 10:33	55.7	44.3	0.0	0.0	-19.6	-20.6	-40.4	60.0	0.0	Valve Adjustment:Opened valve 1/2 turn or less,Valve 5% open
OXMEW159	3/10/2022 11:32	54.3	42.8	0.0	2.9	-25.7	-25.8	-38.7	69.0	0.0	Valve Adjustment:Opened valve 1/2 turn or less,Valve 5% open
OXMEW159	3/29/2022 10:28	49.9	43.7	0.0	6.4	-25.6	-25.3	-40.4	66.9	0.0	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less
OXMEW162	3/4/2022 11:27	17.1	8.5	15.6	58.8	-23.4	-23.8	-35.1	62.8	8.3	Valve Adjustment:NSPS/CAI,Opened valve 1/2 turn or less
OXMEW162	3/4/2022 11:30	21.5	10.5	14.6	53.4	-28.0	-26.5	-35.4	63.6	5.8	Valve Adjustment:NSPS/CAI,Valve at minimum position,Closed valve 1/2 turn or less
OXMEW162	3/28/2022 14:31	67.6	32.4	0.0	0.0	3.8	-18.2	-38.5	70.9	11.7	Valve Adjustment:NSPS/CAI,Opened valve 1/2 turn or less
OXMEW162	3/28/2022 14:32	60.9	30.0	2.8	6.3	-23.2	-23.2	-38.5	76.0	7.1	Valve Adjustment:No Change
OXMEW170	3/1/2022 12:03	52.0	27.5	2.0	18.5	-35.7	-35.7	-35.6	72.7	0.1	Valve Adjustment:No Change,Valve at minimum position
OXMEW170	3/17/2022 10:12	51.6	29.9	1.7	16.8	-38.4	-38.4	-38.3	53.9	0.2	Valve Adjustment:No Change,Valve at minimum position
OXMEW173	3/1/2022 13:32	50.2	38.2	0.8	10.8	-1.8	-1.8	-37.6	103.0	35.0	Valve Adjustment:Closed valve 1/2 turn or less
OXMEW173	3/17/2022 11:16	50.9	36.6	0.8	11.7	-2.7	-2.7	-40.4	100.6	18.8	Valve Adjustment:Closed valve 1/2 turn or less

OXMEW174	3/10/2022 12:56	44.7	32.3	4.9	18.1	-0.1	-0.1	-41.2	69.7	0.6	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less
OXMEW174	3/17/2022 12:28	57.6	39.0	0.1	3.3	-0.1	-0.1	-40.3	62.7	1.1	Valve Adjustment:No Change,Valve at minimum position
OXMEW175	3/10/2022 13:07	56.1	38.6	0.0	5.3	-8.8	-9.1	-41.3	66.2	3.8	Valve Adjustment:Opened valve 1/2 turn or less
OXMEW175	3/17/2022 12:17	51.1	37.1	0.0	11.8	-10.3	-10.3	-40.8	68.8	5.5	Valve Adjustment:No Change,Valve at minimum position
OXMEW176	3/14/2022 12:45	53.4	37.2	0.0	9.4	-15.5	-15.5	-37.9	111.3	75.0	Valve Adjustment:Opened valve 1/2 turn or less
OXMEW176	3/29/2022 14:57	52.3	36.3	0.0	11.4	-16.4	-16.4	-36.9	111.2	38.3	Valve Adjustment:No Change
OXMEW181	3/10/2022 10:16	57.0	43.0	0.0	0.0	-13.3	-14.7	-39.4	114.8	59.2	Valve Adjustment:Opened valve 1/2 turn or less
OXMEW181	3/29/2022 8:28	54.4	42.8	0.0	2.8	-17.5	-17.6	-40.7	113.8	11.1	Valve Adjustment:Opened valve 1/2 turn or less
OXMEW182	3/4/2022 14:06	55.5	37.9	0.3	6.3	-29.7	-29.7	-33.6	119.3	11.9	Valve Adjustment:No Change,Valve 100% open
OXMEW182	3/21/2022 10:20	54.1	38.9	0.0	7.0	-32.5	-32.5	-35.9	119.7	13.1	Valve Adjustment:No Change,Valve 100% open
OXMEW183	3/10/2022 10:32	55.6	41.5	0.0	2.9	-6.1	-6.3	-36.5	117.0	43.4	Valve Adjustment:Opened valve 1/2 turn or less
OXMEW183	3/29/2022 8:51	48.9	39.9	0.0	11.2	-9.0	-8.5	-35.0	116.8	56.6	Valve Adjustment:Closed valve 1/2 turn or less
OXMEW184	3/14/2022 10:25	52.9	37.8	0.0	9.3	-0.2	-0.2	-38.3	119.9	32.2	Valve Adjustment:Opened valve 1/2 turn or less
OXMEW184	3/29/2022 9:36	48.1	38.5	0.0	13.4	-0.7	-0.6	-39.7	119.7	16.2	Valve Adjustment:Closed valve 1/2 turn or less
OXMEW185	3/14/2022 10:20	50.8	37.4	0.9	10.9	-0.2	-0.2	-38.4	111.8	22.4	Valve Adjustment:No Change
OXMEW185	3/29/2022 9:32	46.9	38.8	0.4	13.9	-0.9	-0.8	-39.6	109.8	12.7	Valve Adjustment:Closed valve 1/2 turn or less
OXMEW186	3/4/2022 14:32	57.6	42.1	0.0	0.3	-0.1	-0.1	-35.0	67.9	2.2	Valve Adjustment:Opened valve 1/2 turn or less,Valve 5% open
OXMEW186	3/21/2022 10:44	49.3	39.4	1.1	10.2	-1.3	-1.3	-36.6	72.9	3.0	Valve Adjustment:Closed valve 1/2 turn or less,Valve 5% open
OXMEW187	3/14/2022 10:37	48.1	39.7	0.0	12.2	-1.4	-1.4	-37.2	109.0	6.2	Valve Adjustment:Closed valve 1/2 turn or less
OXMEW187	3/29/2022 9:11	48.2	41.2	0.0	10.6	-1.9	-1.9	-38.5	103.9	8.8	Valve Adjustment:Closed valve 1/2 turn or less
OXMEW188	3/14/2022 10:53	49.8	39.1	0.0	11.1	-2.0	-2.0	-37.9	108.9	13.4	Valve Adjustment:Closed valve 1/2 turn or less
OXMEW188	3/29/2022 9:13	49.4	40.8	0.0	9.8	-2.6	-2.5	-39.8	107.8	17.1	Valve Adjustment:Closed valve 1/2 turn or less
OXMEW189	3/14/2022 9:58	51.9	38.1	0.2	9.8	-4.0	-3.9	-37.8	123.6	52.7	Valve Adjustment:No Change
OXMEW189	3/21/2022 14:08	51.0	36.9	0.2	11.9	-4.0	-4.1	-37.0	122.9	62.0	Valve Adjustment:No Change
OXMEW190	3/3/2022 13:28	52.7	38.3	0.1	8.9	-8.7	-8.7	-33.0	125.6	24.1	Valve Adjustment:Opened valve 1/2 turn or less,Valve 40% open
OXMEW190	3/21/2022 13:01	51.1	37.1	0.5	11.3	-10.6	-10.6	-36.7	125.2	23.7	Valve Adjustment:No Change,Valve 35% open
OXMEW191	3/1/2022 13:15	50.4	39.6	0.0	10.0	-3.7	-3.7	-37.9	126.7	21.5	Valve Adjustment:Closed valve 1/2 turn or less
OXMEW191	3/17/2022 11:29	52.0	38.5	0.0	9.5	-4.4	-4.4	-40.7	126.0	18.7	Valve Adjustment:No Change
OXMEW192	3/10/2022 13:25	47.6	34.6	0.2	17.6	-6.3	-6.0	-42.3	68.3	7.5	Valve Adjustment:Closed valve 1/2 turn or less
OXMEW192	3/17/2022 11:55	46.9	34.7	0.3	18.1	-5.5	-5.5	-41.2	59.7	7.7	Valve Adjustment:Closed valve 1/2 turn to 1 turn
OXMEW194	3/10/2022 10:28	56.6	42.1	0.1	1.2	-35.4	-36.1	-38.4	83.9	12.0	Valve Adjustment:Opened valve 1/2 turn or less
OXMEW194	3/29/2022 8:45	55.4	42.2	0.3	2.1	-37.4	-37.5	-40.0	82.6	14.3	Valve Adjustment:Opened valve 1/2 turn or less
OXMEW196	3/4/2022 14:43	53.6	37.7	0.0	8.7	-6.1	-6.1	-34.6	94.9	7.7	Valve Adjustment:No Change
OXMEW196	3/21/2022 10:35	49.6	38.0	0.0	12.4	-10.9	-10.7	-35.9	102.1	7.9	Valve Adjustment:Closed valve 1/2 turn or less
OXMEW199	3/4/2022 14:34	55.8	39.1	0.0	5.1	-4.8	-4.9	-34.4	121.9	27.8	Valve Adjustment:Opened valve 1/2 turn or less

OXMEW199	3/21/2022 10:38	53.8	39.0	0.0	7.2	-7.9	-8.0	-36.0	123.0	29.7	Valve Adjustment:Opened valve 1/2 turn or less
OXMEW200	3/14/2022 10:29	57.5	42.1	0.0	0.4	0.2	-0.1	-38.2	99.9	0.0	Valve Adjustment:NSPS/CAI,Opened valve 1/2 turn or less
OXMEW200	3/14/2022 10:32	57.4	42.1	0.0	0.5	-0.1	-0.1	-38.1	106.0	19.7	Valve Adjustment:No Change
OXMEW200	3/29/2022 8:55	56.9	43.1	0.0	0.0	-0.4	-0.6	-39.5	98.7	5.9	Valve Adjustment:Opened valve 1/2 turn or less
OXMEW201	3/14/2022 10:16	53.7	38.6	0.0	7.7	-0.1	-0.1	-38.0	93.4	4.1	Valve Adjustment:Opened valve 1/2 turn or less
OXMEW201	3/29/2022 9:26	48.7	39.5	0.0	11.8	-1.0	-1.0	-40.0	102.3	9.9	Valve Adjustment:Closed valve 1/2 turn or less
OXMEW203	3/7/2022 13:46	55.9	30.2	1.5	12.4	-3.2	-3.2	-36.0	75.7	4.6	Valve Adjustment:No Change,Valve 5% open
OXMEW203	3/28/2022 10:22	55.1	33.7	1.9	9.3	-4.9	-5.0	-38.8	75.2	6.5	Valve Adjustment:Opened valve 1/2 turn or less,Valve 5% open
OXMEW204	3/7/2022 13:49	59.4	38.9	0.1	1.6	-0.5	-0.5	-33.3	82.0	2.7	Valve Adjustment:Opened valve 1/2 turn or less,Valve 15% open
OXMEW204	3/28/2022 10:19	50.0	38.4	0.0	11.6	-4.0	-4.0	-37.0	88.2	2.4	Valve Adjustment:No Change,Valve 15% open
OXMEW205	3/14/2022 10:41	41.5	38.1	0.0	20.4	-0.4	-0.4	-37.8	127.7	0.0	Valve Adjustment:Closed valve 1/2 turn or less,Valve 5% open
OXMEW205	3/28/2022 15:33	44.7	38.2	0.0	17.1	-0.4	-0.4	-39.0	126.8	0.0	Valve Adjustment:Closed valve 1/2 turn or less,Valve 5% open
OXMEW209	3/7/2022 15:20	43.4	31.2	4.4	21.0	0.3	-0.1	-37.1	121.2	10.1	Valve Adjustment:NSPS/CAI,Opened valve 1/2 turn or less,Valve 35% open
OXMEW209	3/7/2022 15:22	48.5	34.6	2.8	14.1	-0.6	-0.6	-37.0	125.1	19.2	Valve Adjustment:No Change,Valve 35% open
OXMEW209	3/21/2022 13:54	53.9	38.7	1.6	5.8	-3.2	-3.2	-38.8	130.2	12.2	Valve Adjustment:No Change,Valve 35% open
OXMEW210	3/7/2022 14:32	59.9	37.2	0.2	2.7	-32.0	-32.1	-35.9	124.6	38.2	Valve Adjustment:No Change,Valve 100% open
OXMEW210	3/28/2022 9:35	55.8	37.0	0.4	6.8	-36.3	-36.3	-38.9	123.4	27.7	Valve Adjustment:No Change,Valve 100% open
OXMEW300	3/7/2022 14:49	61.2	37.0	0.0	1.8	-33.7	-33.8	-35.8	106.0	19.4	Valve Adjustment:No Change,Valve 100% open
OXMEW300	3/28/2022 15:02	59.0	36.1	1.2	3.7	-37.2	-37.3	-39.0	104.7	21.6	Valve Adjustment:No Change,Valve 100% open
OXMEW302	3/7/2022 14:52	60.6	36.3	0.0	3.1	-2.0	-2.0	-36.5	105.8	13.9	Valve Adjustment:Opened valve 1/2 turn or less
OXMEW302	3/28/2022 15:10	60.2	37.7	0.0	2.1	-3.2	-3.3	-39.5	105.4	7.0	Valve Adjustment:Opened valve 1/2 turn or less
OXMEW303	3/7/2022 14:35	64.0	24.5	1.9	9.6	-36.2	-36.5	-36.9	73.0	15.9	Valve Adjustment:No Change,Valve 100% open
OXMEW303	3/28/2022 9:32	62.5	26.4	2.3	8.8	-39.2	-39.3	-39.5	60.9	17.4	Valve Adjustment:No Change,Valve 100% open
OXMEW306	3/7/2022 14:16	59.5	38.4	0.0	2.1	-0.5	-0.5	-36.6	108.9	9.0	Valve Adjustment:Opened valve 1/2 turn or less
OXMEW306	3/28/2022 9:44	52.8	39.0	0.0	8.2	-1.3	-1.3	-39.0	110.0	13.7	Valve Adjustment:No Change
OXMEW307	3/10/2022 10:39	56.5	39.8	1.6	2.1	-38.5	-38.4	-38.8	71.9	1.8	Valve Adjustment:No Change,Valve 100% open
OXMEW307	3/29/2022 9:56	58.9	41.0	0.1	0.0	-39.5	-39.4	-39.9	64.4	3.9	Valve Adjustment:No Change,Valve 100% open
OXMEW309	3/7/2022 15:17	53.4	37.1	0.1	9.4	-20.8	-20.8	-37.5	128.3	54.0	Valve Adjustment:No Change
OXMEW309	3/28/2022 15:26	51.0	37.6	0.2	11.2	-25.1	-25.1	-40.0	127.6	47.0	Valve Adjustment:No Change
OXMEW310	3/4/2022 14:21	54.8	38.8	0.0	6.4	-19.2	-19.3	-33.8	117.1	282.0	Valve Adjustment:Opened valve 1/2 turn or less
OXMEW310	3/21/2022 10:30	40.4	36.3	0.0	23.3	-21.6	-20.3	-35.5	117.8	301.0	Valve Adjustment:Closed valve 1/2 turn to 1 turn
OXMEW311	3/4/2022 12:32	58.6	38.1	0.0	3.3	-15.2	-15.5	-35.4	120.1	24.3	Valve Adjustment:Opened valve 1/2 turn or less
OXMEW311	3/28/2022 9:55	53.7	40.3	0.0	6.0	-18.9	-19.1	-38.3	119.6	26.3	Valve Adjustment:Opened valve 1/2 turn or less
OXMEW312	3/3/2022 13:31	54.4	38.4	0.0	7.2	-2.5	-2.6	-36.2	99.5	9.2	Valve Adjustment:Opened valve 1/2 turn or less
OXMEW312	3/21/2022 13:04	52.8	37.3	0.0	9.9	-3.3	-3.3	-36.8	100.7	9.9	Valve Adjustment:Opened valve 1/2 turn or less

OXMEW315	3/3/2022 13:07	57.5	39.3	0.4	2.8	-33.8	-33.8	-35.5	120.6	25.7	Valve Adjustment:No Change,Valve 100% open
OXMEW315	3/21/2022 13:51	57.0	39.4	0.3	3.3	-35.6	-35.5	-36.4	120.7	8.8	Valve Adjustment:No Change,Valve 100% open
OXMEW316	3/4/2022 13:40	60.9	37.5	0.1	1.5	-30.1	-30.1	-32.6	109.2	11.4	Valve Adjustment:No Change,Valve 100% open
OXMEW316	3/21/2022 9:47	60.5	39.5	0.0	0.0	-33.3	-33.3	-34.9	110.7	9.6	Valve Adjustment:No Change,Valve 100% open
OXMEW317	3/4/2022 13:44	60.8	38.8	0.4	0.0	-33.6	-33.6	-33.5	107.1	19.3	Valve Adjustment:No Change,Valve 100% open
OXMEW317	3/21/2022 9:56	60.7	39.2	0.1	0.0	-35.0	-35.0	-35.6	106.7	17.3	Valve Adjustment:No Change,Valve 100% open
OXMEW318	3/4/2022 14:02	56.6	37.9	0.0	5.5	-1.9	-2.0	-33.9	109.6	12.4	Valve Adjustment:Opened valve 1/2 turn or less
OXMEW318	3/21/2022 10:15	50.5	37.7	0.0	11.8	-2.6	-2.6	-35.9	110.7	9.7	Valve Adjustment:Closed valve 1/2 turn or less
OXMEW319	3/4/2022 14:09	58.0	38.2	0.0	3.8	-13.1	-13.1	-33.2	107.6	13.1	Valve Adjustment:Opened valve 1/2 turn or less
OXMEW319	3/21/2022 10:26	48.7	37.4	0.0	13.9	-23.6	-23.2	-37.8	109.1	196.4	Valve Adjustment:Closed valve 1/2 turn or less
OXMEW320	3/3/2022 9:48	58.7	41.3	0.0	0.0	-34.4	-34.4	-34.5	124.2	13.7	Valve Adjustment:No Change,Valve 100% open
OXMEW320	3/21/2022 13:13	59.4	40.4	0.1	0.1	-36.8	-36.8	-36.5	124.2	14.8	Valve Adjustment:No Change,Valve 100% open
OXMEW322	3/4/2022 13:28	59.1	38.0	0.3	2.6	-34.4	-34.4	-35.5	119.1	21.8	Valve Adjustment:No Change,Valve 100% open
OXMEW322	3/21/2022 9:40	57.9	39.5	0.2	2.4	-36.1	-36.1	-36.9	118.8	18.4	Valve Adjustment:No Change,Valve 100% open
OXMEW323	3/3/2022 11:47	58.9	41.1	0.0	0.0	-32.4	-32.5	-32.7	114.8	17.7	Valve Adjustment:No Change,Valve 100% open
OXMEW323	3/21/2022 12:11	58.6	40.2	0.0	1.2	-33.9	-33.7	-34.3	114.9	14.4	Valve Adjustment:No Change,Valve 100% open
OXMEW328	3/3/2022 11:07	58.7	41.3	0.0	0.0	-20.2	-20.0	-29.0	118.8	19.7	Valve Adjustment:No Change,Valve 100% open
OXMEW328	3/17/2022 14:35	60.0	38.8	0.1	1.1	-20.8	-21.6	-27.1	117.6	17.3	Valve Adjustment:No Change,Valve 100% open
OXMEWHC1	3/10/2022 11:25	54.3	43.8	0.3	1.6	-38.4	-38.3	-38.6	74.2	N/A	Valve Adjustment:No Change,Valve 100% open
OXMEWHC1	3/29/2022 10:14	55.0	44.1	0.3	0.6	-39.8	-39.9	-40.2	52.2	N/A	Valve Adjustment:No Change,Valve 100% open
OXMEWW05	3/10/2022 15:36	57.2	41.1	0.0	1.7	-42.6	-42.6	-42.6	109.2	11.6	Valve Adjustment:No Change,Valve 100% open
OXMEWW05	3/28/2022 13:45	57.3	42.2	0.1	0.4	-41.8	-41.8	-42.2	109.1	20.2	Valve Adjustment:No Change,Valve 100% open
OXMEWW06	3/14/2022 12:19	56.1	40.1	0.1	3.7	-42.3	-42.3	-42.0	98.1	14.4	Valve Adjustment:No Change,Valve 100% open
OXMEWW06	3/28/2022 13:50	56.2	42.6	0.0	1.2	-42.4	-42.4	-42.8	95.4	11.9	Valve Adjustment:No Change,Valve 100% open
OXMEWW08	3/10/2022 12:53	51.5	37.9	0.0	10.6	-6.0	-6.0	-41.7	91.3	9.2	Valve Adjustment:No Change,Valve 20% open
OXMEWW08	3/17/2022 11:47	50.4	37.6	0.0	12.0	-5.2	-5.1	-40.5	76.1	9.4	Valve Adjustment:Closed valve 1/2 turn or less,Valve 20% open
OXMEWW17	3/14/2022 9:24	46.4	37.1	0.2	16.3	-0.5	-0.4	-30.9	47.4	4.6	Valve Adjustment:Closed valve 1/2 turn or less
OXMEWW17	3/29/2022 8:04	49.8	38.9	1.2	10.1	-0.5	-0.5	-31.2	47.7	9.6	Valve Adjustment:No Change
OXMEWW18	3/3/2022 11:45	57.6	41.8	0.0	0.6	-35.2	-35.2	-36.4	57.1	6.3	Valve Adjustment:No Change,Valve 100% open
OXMEWW18	3/14/2022 9:11	57.4	39.4	0.2	3.0	-37.7	-37.7	-39.1	55.0	0.0	Valve Adjustment:No Change,Valve 100% open
OXMEWW18	3/29/2022 7:52	57.8	42.2	0.0	0.0	-38.9	-38.9	-40.3	54.9	14.0	Valve Adjustment:No Change,Valve 100% open
OXMEWW1G	3/14/2022 12:35	53.9	37.8	0.0	8.3	-18.7	-18.9	-39.3	73.6	5.5	Valve Adjustment:Opened valve 1/2 turn or less,Valve 5% open
OXMEWW1G	3/28/2022 14:14	56.3	38.2	0.0	5.5	-14.3	-14.4	-29.2	72.4	4.2	Valve Adjustment:Opened valve 1/2 turn or less,Valve 5% open
OXMEWW1I	3/14/2022 12:33	59.0	38.5	0.2	2.3	-36.8	-37.3	-39.1	66.8	0.6	Valve Adjustment:Opened valve 1/2 turn or less,Valve 5% open
OXMEWW1I	3/28/2022 14:02	41.6	29.1	4.9	24.4	-28.7	-27.1	-30.2	62.2	0.7	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less

OXMEWW1J	3/14/2022 12:29	54.8	38.6	0.0	6.6	-11.3	-11.5	-39.7	76.4	6.2	Valve Adjustment:Opened valve 1/2 turn or less,Valve 5% open
OXMEWW1J	3/28/2022 13:59	53.0	38.1	0.1	8.8	-10.8	-10.8	-40.1	76.6	6.1	Valve Adjustment:Opened valve 1/2 turn or less,Valve 5% open
OXMEWW1K	3/14/2022 12:25	58.1	39.9	0.2	1.8	-40.7	-41.0	-42.0	70.3	9.9	Valve Adjustment:Opened valve 1/2 turn or less
OXMEWW1K	3/28/2022 13:54	57.5	39.8	0.6	2.1	-40.8	-42.3	-42.4	68.7	9.5	Valve Adjustment:Valve 100% open,Opened valve 1/2 turn to 1 turn
OXMEWW1S	3/14/2022 9:14	58.3	39.0	0.0	2.7	-29.5	-29.5	-30.6	65.6	25.2	Valve Adjustment:No Change,Valve 100% open
OXMEWW1S	3/29/2022 7:57	58.8	41.2	0.0	0.0	-30.0	-30.0	-31.1	64.4	27.2	Valve Adjustment:No Change,Valve 100% open
OXMHCF03	3/7/2022 12:58	56.9	42.8	0.2	0.1	-39.6	-39.6	-40.9	79.4	27.2	Valve Adjustment:No Change,Valve 100% open
OXMHCF03	3/28/2022 8:52	56.8	43.2	0.0	0.0	-41.1	-41.1	-42.2	58.6	15.6	Valve Adjustment:No Change,Valve 100% open
OXMHCF04	3/7/2022 13:02	45.2	33.1	4.5	17.2	-41.1	-41.1	-41.9	73.3	5.7	Valve Adjustment:No Change,Valve at minimum position
OXMHCF04	3/28/2022 9:04	51.6	41.5	1.9	5.0	-42.5	-42.5	-43.1	52.9	10.8	Valve Adjustment:No Change
OXMPEW30	3/10/2022 14:08	57.4	40.1	0.3	2.2	-41.6	-41.5	-41.4	70.1	5.6	Valve Adjustment:No Change,Valve 100% open
OXMPEW30	3/28/2022 13:03	58.4	39.7	0.2	1.7	-42.1	-42.1	-42.3	66.1	4.4	Valve Adjustment:No Change,Valve 100% open
OXMPEW31	3/10/2022 15:15	57.5	39.0	0.1	3.4	-42.3	-42.3	-42.0	69.5	3.9	Valve Adjustment:No Change,Valve 100% open
OXMPEW31	3/28/2022 13:31	57.8	41.3	0.1	0.8	-40.7	-40.7	-40.9	63.4	12.5	Valve Adjustment:No Change,Valve 100% open
OXMPEW32	3/10/2022 13:13	58.8	38.5	0.1	2.6	-40.9	-41.3	-41.2	70.7	1.2	Valve Adjustment:Opened valve 1/2 turn or less
OXMPEW32	3/17/2022 12:11	59.1	38.4	0.2	2.3	-40.7	-40.7	-41.0	67.0	1.2	Valve Adjustment:Opened valve >1 turn,Valve 50% open
OXMPEW33	3/10/2022 13:17	53.9	37.8	0.0	8.3	-9.1	-9.2	-42.1	83.2	11.2	Valve Adjustment:Opened valve 1/2 turn or less,Valve 10% open
OXMPEW33	3/17/2022 12:07	53.6	37.1	0.0	9.3	-8.1	-8.2	-42.3	82.4	11.7	Valve Adjustment:Opened valve 1/2 turn or less,Valve 10% open,Valve 15% open
OXMPEW35	3/10/2022 13:55	53.5	39.8	0.1	6.6	-25.6	-25.7	-39.6	127.8	22.5	Valve Adjustment:Opened valve 1/2 turn or less
OXMPEW35	3/28/2022 13:14	54.1	40.6	0.0	5.3	-27.8	-28.1	-40.5	127.7	19.8	Valve Adjustment:Opened valve 1/2 turn or less
OXMPEW44	3/14/2022 9:17	57.6	40.0	0.0	2.4	-30.1	-30.2	-30.5	61.4	1.6	Valve Adjustment:Valve 100% open,Opened valve 1/2 turn to 1 turn
OXMPEW44	3/29/2022 8:01	58.1	41.9	0.0	0.0	-30.7	-30.7	-30.9	58.9	3.6	Valve Adjustment:No Change,Valve 100% open

Bold Italics = HOV/LTCO approval from BAAQMD

*Some flow readings not available due to low/no flow conditions recorded by GEM.

**Well OXEWHC6A is an NSPS exempt well.

NSPS/EG CAI = New Source Performance Standards Corrective Action Initiated

CH_4 = Methane

CO_2 = Carbon Dioxide

O_2 = Oxygen

BAL = Balance Gas, usually nitrogen

in. wk.. = inches of water column

Deg. F. = degrees in Fahrenheit

scfm = standard cubic feet per minute

% = percent

N/A = Not applicable

≤140 degrees F Temperature HOV per Title V Permit Condition Number 10164 part 18(b)(viii)
OXEW1618, OXMEW205, OXMEW209, OXMPEW35

≤15% Oxygen HOV per Title V Permit Condition Number 10164 part 18(b)(i)
OMTLTS01, OMTLTS02, OMTLTS03, OMTLTS04, OMTLTS05, OMTLTS06, OMTLTS07, OMTLTS08, OMTLTS09, OMTLTS10, OMTLTS11, OMTLTS12, OMTLTS15, OMTLTS16, OMTLTS17, OMTLTS18, OMTLTS19, OMTLTS20, ~~OXLCRS01~~, OXLCRS4A, OXLCRS4B, ~~OXLCRS05~~, ~~OXLCRS06~~, OXLCRS07, ~~OXMEWHC6~~, ~~OXMTBTC1,~~ OXMEWW17, and ~~OXMHCF06~~.

LTCO per Title V Permit Condition Number 10164 part 18(d)(i)
OMTLTS01, OMTLTS02, OMTLTS03, OMTLTS04, OMTLTS05, OMTLTS06, OMTLTS07, OMTLTS08, OMTLTS09, OMTLTS10, OMTLTS11, OMTLTS12, OMTLTS15, OMTLTS16, OMTLTS17, OMTLTS18, OMTLTS19, OMTLTS20, ~~OXLCRS01,~~ OXLCRS4A, OXLCRS4B, ~~OXLCRS05, OXLCRS06~~, and OXLCRS07.

*Wells that have been decommissioned are noted with a strikethrough.

APPENDIX K

WELLFIELD DEVIATION LOG

Ox Mountain Landfill, Half Moon Bay, California
OCTOBER 1, 2021 THROUGH MARCH 31, 2022 WELLFIELD DEVIATION LOG

REPORT PREPARED BY: Tetra Tech
UPDATED DATE: 4/1/2022
LFG MONITORING DEVICE: GEM & Elkins Earthworks
MODEL: 2000 & Envision
DATE LAST CALIBRATED: DAILY

Well ID	Date and Time	CH_4	CO_2	O_2	BAL	Initial Static Pressure	Initial Temperature	Comments as Noted By Field Technician	Duration of Exceedance By End of Reporting Period
		%	%	%	%	in. wc.	Deg. F.		Days
OMTLTS03	3/10/2022 11:11	18.7	13.0	15.5	52.8	-0.1	71.7	Valve Adjustment:NSPS/CAI,Valve at minimum position,Closed valve 1/2 turn or less	
OMTLTS03	3/10/2022 11:14	18.8	13.2	15.5	52.5	-0.1	71.3	Valve Adjustment:NSPS/CAI,Valve at minimum position,Closed valve 1/2 turn or less	
OMTLTS03	3/21/2022 14:53	40.3	28.3	2.7	28.7	-0.1	71.8	Valve Adjustment:No Change,Valve at minimum position	**11**
Comments: An oxygen exceedance was detected at OMTLTS03 on March 10, 2022. TT O&M personnel initiated corrective action and the well was adjusted on the same day but the well remained in exceedance. The well was re-monitored on March 21, 2022 and no further exceedance was detected. Well OMTLTS03 operates at up to 15-percent oxygen pursuant to Title V Permit Condition Number 10164 part 18(b)(i).									
OMTLTS04	2/9/2022 13:51	46.4	33.8	0.0	19.8	0.0	77.2	Valve Adjustment:NSPS/CAI,Opened valve 1/2 turn to 1 turn,Valve 5% open	
OMTLTS04	2/9/2022 14:15	47.0	34.0	0.0	19.0	-0.1	76.5	Valve Adjustment:No Change,Valve 5% open	**<1**
Comments: A pressure exceedance was detected at OMTLTS04 on February 9, 2022. TT O&M personnel initiated corrective action and the well was adjusted and re-monitored on the same day and no further exceedance was detected. Well OMTLTS04 operates at up to 15-percent oxygen pursuant to Title V Permit Condition Number 10164 part 18(b)(i).									
OMTLTS05	2/9/2022 13:43	38.4	32.8	0.0	28.8	0.1	80.8	Valve Adjustment:NSPS/CAI,Opened valve 1/2 turn to 1 turn,Valve 30% open	
OMTLTS05	2/9/2022 13:47	36.9	31.9	0.0	31.2	-0.1	74.9	Valve Adjustment:No Change,Valve 30% open	**<1**
Comments: A pressure exceedance was detected at OMTLTS05 on February 9, 2022. TT O&M personnel initiated corrective action and the well was adjusted and re-monitored on the same day and no further exceedance was detected. Well OMTLTS05 operates at up to 15-percent oxygen pursuant to Title V Permit Condition Number 10164 part 18(b)(i).									
OMTLTS06	12/3/2021 9:55	0.5	1.3	21.5	76.7	-0.2	52.5	Valve Adjustment:NSPS/CAI,Opened valve 1/2 turn or less,Valve 5% open	
OMTLTS06	12/3/2021 9:57	7.1	10.8	13.0	69.1	-0.3	70.2	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less	**<1**
Comments: An oxygen exceedance was detected at OMLTS06 on December 3, 2021. TT O&M personnel initiated corrective action and the well was adjusted and re-monitored on the same day and no further exceedance was detected. Well OMTLTS06 operates at up to 15-percent oxygen pursuant to Title V Permit Condition Number 10164 part 18(b)(i).									
OMTLTS06	1/11/2022 10:20	4.8	6.5	16.0	72.7	-0.1	77.4	Valve Adjustment:NSPS/CAI,Opened valve 1/2 turn or less,Valve 5% open	
OMTLTS06	1/11/2022 10:22	4.8	6.5	15.8	72.9	-0.4	79.5	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less	
OMTLTS06	1/20/2022 12:50	25.6	27.1	3.5	43.8	-0.1	87.5	Valve Adjustment:No Change,Valve at minimum position	**9**
Comments: An oxygen exceedance was detected at OMTLTS06 on January 11, 2022. TT O&M personnel initiated corrective action and the well was adjusted and re-monitored on the same day but the well remained in exceedance. The well was re-monitored on January 20, 2022 and no further exceedance was detected. Well OMTLTS06 operates at up to 15-percent oxygen pursuant to Title V Permit Condition Number 10164 part 18(b)(i).									
OMTLTS06	2/11/2022 9:54	1.1	1.6	20.8	76.5	-0.4	79.5	Valve Adjustment:NSPS/CAI,Opened valve 1/2 turn to 1 turn,Valve 5% open	
OMTLTS06	2/11/2022 9:59	1.9	2.4	19.7	76.0	-0.5	83.2	Valve Adjustment:NSPS/CAI,Valve at minimum position,Closed valve 1/2 turn to 1 turn	
OMTLTS06	2/24/2022 9:48	0.7	1.9	21.7	75.7	-0.4	65.4	Valve Adjustment:NSPS/CAI,Opened valve 1/2 turn or less,Valve 5% open	
OMTLTS06	2/24/2022 9:52	0.8	1.0	21.5	76.7	-0.5	64.1	Valve Adjustment:NSPS/CAI,Valve at minimum position,Closed valve 1/2 turn or less	
OMTLTS06	3/10/2022 9:24	1.0	2.2	21.4	75.4	-0.2	64.9	Valve Adjustment:NSPS/CAI,Opened valve 1/2 turn or less,Valve 5% open	
OMTLTS06	3/10/2022 9:26	1.0	2.0	20.4	76.6	-0.3	71.7	Valve Adjustment:NSPS/CAI,Valve at minimum position,Closed valve 1/2 turn or less	
OMTLTS06	3/28/2022 10:38	5.0	8.3	15.5	71.2	-0.2	62.6	Valve Adjustment:NSPS/CAI,Opened valve 1/2 turn or less,Valve 10% open	

Well ID	Date and Time	CH_4	CO_2	O_2	BAL	Initial Static Pressure	Initial Temperature	Comments as Noted By Field Technician	Duration of Exceedance By End of Reporting Period
		%	%	%	%	in. wc.	Deg. F.		Days
OMTLTS06	3/28/2022 10:40	5.4	9.0	13.8	71.8	-0.2	76.2	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less	**45**
Comments: An oxygen exceedance was detected at OMTLTS06 on February 11, 2022. TT O&M personnel initiated corrective action and the well was adjusted and re-monitored on the same day and the dates noted above but the well remained in exceedance. The well was re-monitored on March 28, 2022 and no further exceedance was detected. Well OMTLTS06 operates at up to 15-percent oxygen pursuant to Title V Permit Condition Number 10164 part 18(b)(i).									
OMTLTS08	11/8/2021 10:30	0.3	2.3	19.6	77.8	-0.2	73.4	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less	
OMTLTS08	11/8/2021 10:33	0.5	3.0	18.5	78.0	-0.2	74.8	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less	
OMTLTS08	11/18/2021 15:16	54.4	34.2	0.1	11.3	-0.1	66.9	Valve Adjustment:No Change,Valve at minimum position	**10**
Comments: An oxygen exceedance was detected at OMTLTS08 on November 8, 2021. TT O&M personnel initiated corrective action and re-monitored the well on the same day but the well remained in exceedance. The well was re-monitored on November 18, 2021 and no further exceedance was detected. Well OMTLTS08 operates at up to 15-percent oxygen pursuant to Title V Permit Condition Number 10164 part 18(b)(i).									
OMTLTS08	1/11/2022 9:57	0.3	0.9	19.8	79.0	-0.2	71.1	Valve Adjustment:NSPS/CAI,Opened valve >1 turn	
OMTLTS08	1/11/2022 9:59	1.9	6.7	12.8	78.6	-0.5	65.6	Valve Adjustment:Valve at minimum position,Closed valve >1 turn	**<1**
Comments: An oxygen exceedance was detected at OMTLTS08 on January 11, 2022. TT O&M personnel initiated corrective action and the well was adjusted and re-monitored on the same day and no further exceedance was detected. Well OMTLTS08 operates at up to 15-percent oxygen pursuant to Title V Permit Condition Number 10164 part 18(b)(i).									
OMTLTS08	2/9/2022 13:05	54.5	35.9	0.0	9.6	0.0	74.0	Valve Adjustment:NSPS/CAI,Opened valve 1/2 turn to 1 turn,Valve 20% open	
OMTLTS08	2/9/2022 13:11	55.0	36.4	0.2	8.4	-0.2	78.0	Valve Adjustment:No Change,Valve 20% open	**<1**
Comments: A pressure exceedance was detected at OMTLTS08 on February 9, 2022. TT O&M personnel initiated corrective action and the well was adjusted and re-monitored on the same day and no further exceedance was detected. Well OMTLTS08 operates at up to 15-percent oxygen pursuant to Title V Permit Condition Number 10164 part 18(b)(i).									
OMTLTS11	11/8/2021 10:05	1.1	5.8	16.7	76.4	-0.5	88.2	Valve Adjustment:NSPS/CAI,Valve at minimum position,Closed valve 1/2 turn or less	
OMTLTS11	11/8/2021 10:09	1.1	5.7	16.7	76.5	-0.3	83.1	Valve Adjustment:NSPS/CAI,Valve at minimum position,Closed valve 1/2 turn or less	
OMTLTS11	11/18/2021 15:02	45.8	29.0	0.0	25.2	-0.1	64.6	Valve Adjustment:No Change,Valve at minimum position	**10**
Comments: An oxygen exceedance was detected at OMTLTS11 on November 8, 2021. TT O&M personnel initiated corrective action and re-monitored the well on the same day but the well remained in exceedance. The well was re-monitored on November 18, 2021 and no further exceedance was detected. Well OMTLTS08 operates at up to 15-percent oxygen pursuant to Title V Permit Condition Number 10164 part 18(b)(i).									
OMTLTS12	1/10/2022 12:29	0.2	1.5	18.8	79.5	-0.3	69.8	Valve Adjustment:NSPS/CAI,Opened valve >1 turn,Valve 40% open	
OMTLTS12	1/10/2022 12:33	0.2	2.6	17.4	79.8	-10.8	72.5	Valve Adjustment:NSPS/CAI,Valve at minimum position,Closed valve >1 turn	
OMTLTS12	1/20/2022 12:05	9.9	12.1	10.5	67.5	-0.1	75.3	Valve Adjustment:No Change,Valve at minimum position;Well Condition:Oxygen HOV 15%	**10**
Comments: An oxygen exceedance was detected at OMTLTS12 on January 10, 2022. TT O&M personnel initiated corrective action and the well was adjusted and re-monitored on the same day but the well remained in exceedance. The well was re-monitored on January 20, 2022 and no further exceedance was detected. Well OMTLTS06 operates at up to 15-percent oxygen pursuant to Title V Permit Condition Number 10164 part 18(b)(i).									
OMTLTS15	12/3/2021 10:32	2.5	7.2	15.3	75.0	-0.1	54.8	Valve Adjustment:NSPS/CAI,Opened valve 1/2 turn or less,Valve 5% open	
OMTLTS15	12/3/2021 10:34	4.5	9.1	13.6	72.8	-0.3	79.5	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less	**<1**
Comments: An oxygen exceedance was detected at OMLTS15 on December 3, 2021. TT O&M personnel initiated corrective action and the well was adjusted and re-monitored on the same day and no further exceedance was detected. Well OMTLTS15 operates at up to 15-percent oxygen pursuant to Title V Permit Condition Number 10164 part 18(b)(i).									
OMTLTS17	3/28/2022 9:09	10.7	10.4	15.3	63.6	-0.2	56.6	Valve Adjustment:Closed valve 1/2 turn or less	
OMTLTS17	3/28/2022 9:12	30.4	29.9	1.3	38.4	-0.2	57.1	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less	**<1**
Comments: An oxygen exceedance was detected at OMTLTS17 on March 28, 2022. TT O&M personnel initiated corrective action and the well was adjusted on the same day and no further exceedance was detected. Well OMTLTS17 operates at up to 15-percent oxygen pursuant to Title V Permit Condition Number 10164 part 18(b)(i).									

Well ID	Date and Time	CH_4	CO_2	O_2	BAL	Initial Static Pressure	Initial Temperature	Comments as Noted By Field Technician	Duration of Exceedance By End of Reporting Period
		%	%	%	%	in. wc.	Deg. F.		Days
OXEW133B	3/29/2022 9:48	16.6	23.1	5.8	54.5	-10.6	73.7	Valve Adjustment:NSPS/CAI,Valve at minimum position,Closed valve 1/2 turn to 1 turn	
OXEW133B	3/29/2022 9:49	16.5	22.9	5.8	54.8	-8.8	73.2	Valve Adjustment:NSPS/CAI,Valve at minimum position,Closed valve 1/2 turn to 1 turn	**3 (as of April 1, 2022)**
Comments: An oxygen exceedance was detected at OXEW133B on March 29, 2022. TT O&M personnel initiated corrective action and the well was adjusted and re-monitored on the same day but the well remains in exceedance.									
OXEW1617	11/30/2021 11:54	56.9	41.0	0.0	2.1	-3.9	131.1	Valve Adjustment:Opened valve 1/2 turn to 1 turn,Valve 45% open	
OXEW1617	11/30/2021 15:41	58.2	40.3	0.0	1.5	-16.0	132.1	Valve Adjustment:Closed valve >1 turn,Valve 15% open	
OXEW1617	12/1/2021 10:35	56.4	43.6	0.0	0.0	-1.7	128.3	Valve Adjustment:Opened valve 1/2 turn or less,Valve 25% open	**1**
Comments: A temperature exceedance was detected at OXEW1617 on November 30, 2021. TT O&M personnel initiated corrective action and the well was adjusted and re-monitored on the same day, but the well remained in exceedance. The well was re-monitored on December 1, 2021 and no further exceedance was detected.									
OXEW1620	10/4/2021 15:34	5.8	3.7	17.8	72.7	-3.3	93.2	Valve Adjustment:NSPS/CAI,Closed valve 1/2 turn or less,Valve 15% open	
OXEW1620	10/4/2021 15:42	4.1	2.4	18.6	74.9	-0.4	92.9	Valve Adjustment:NSPS/CAI,Closed valve 1/2 turn or less,Valve 15% open	
OXEW1620	10/13/2021 9:52	50.6	34.3	0.0	15.1	-2.5	100.1	Valve Adjustment:No Change,Valve 15% open	**9**
Comments: An oxygen exceedance was detected at OXEW1620 on October 4, 2021. TT O&M personnel initiated corrective action and the well was adjusted and re-monitored on the same day, but the well remained in exceedance. The well was re-monitored on October 13, 2021 and no further exceedance was detected.									
OXEW1620	1/5/2022 12:32	36.2	27.7	8.6	27.5	-2.3	86.2	Valve Adjustment:NSPS/CAI,Closed valve 1/2 turn or less	
OXEW1620	1/5/2022 12:34	39.4	28.7	6.4	25.5	-0.8	86.6	Valve Adjustment:NSPS/CAI,Closed valve 1/2 turn or less,Valve 20% open	
OXEW1620	1/10/2022 13:01	54.4	36.6	0.0	9.0	-6.1	114.1	Valve Adjustment:Opened valve 1/2 turn or less,Valve 25% open	**5**
Comments: An oxygen exceedance was detected at OXEW1620 on January 5, 2022. TT O&M personnel initiated corrective action and the well was adjusted and re-monitored on the same day but the well remained in exceedance. The well was re-monitored on January 10, 2022 and no further exceedance was detected.									
OXEW1622	10/26/2021 12:28	55.2	44.8	0.0	0.0	3.9	124.1	Valve Adjustment:NSPS/CAI,Opened valve 1/2 turn or less	
OXEW1622	10/26/2021 12:29	54.8	45.2	0.0	0.0	-1.4	126.1	Valve Adjustment:No Change	**<1**
Comments: A pressure exceedance was detected at OXEW1622 on October 26, 2021. TT O&M personnel initiated corrective action and the well was adjusted and re-monitored on the same day, and no further exceedance was detected.									
OXEW1705	3/17/2022 13:57	41.3	30.3	6.3	22.1	-33.2	90.6	Valve Adjustment:NSPS/CAI,Closed valve >1 turn,Valve 15% open	
OXEW1705	3/17/2022 14:02	17.7	12.5	14.9	54.9	-23.1	84.6	Valve Adjustment:Closed valve 1/2 turn to 1 turn,Valve 5% open	
OXEW1705	3/28/2022 12:44	59.0	40.0	0.0	1.0	-0.1	84.0	Valve Adjustment:Opened valve 1/2 turn to 1 turn,Valve 20% open	**11**
Comments: An oxygen exceedance was detected at OXEW1705 on March 17, 2022. TT O&M personnel initiated corrective action and the well was adjusted on the same day but the well remained in exceedance. The well was re-monitored on March 28, 2022 and no further exceedance was detected.									
OXEW1807	10/27/2021 12:49	58.5	41.1	0.0	0.4	2.7	130.0	Valve Adjustment:NSPS/CAI,Opened valve 1/2 turn or less,Valve 40% open	
OXEW1807	10/27/2021 13:03	58.6	41.3	0.0	0.1	-0.4	130.4	Valve Adjustment:No Change,Valve 40% open	**<1**
Comments: A pressure exceedance was detected at OXEW1807 on October 27, 2021. TT O&M personnel initiated corrective action and the well was adjusted and re-monitored on the same day, and no further exceedance was detected.									
OXEW1807	1/24/2022 11:37	53.1	39.6	0.5	6.8	-20.5	131.1	Valve Adjustment:NSPS/CAI,Closed valve 1/2 turn or less,Valve 50% open	
OXEW1807	1/24/2022 11:38	52.8	39.4	0.5	7.3	-21.2	130.3	Valve Adjustment:No Change,Valve 50% open	**<1**
Comments: A temperature exceedance was detected at OXEW1807 on January 24, 2022. TT O&M personnel initiated corrective action and the well was adjusted and re-monitored on the same day and no further exceedance was detected.									
OXEW1807	3/3/2022 9:51	55.9	40.1	0.4	3.6	-17.5	131.6	Valve Adjustment:Closed valve 1/2 turn or less,Valve 45% open	
OXEW1807	3/3/2022 9:53	55.5	40.0	0.2	4.3	-14.4	130.3	Valve Adjustment:No Change,Valve 45% open	**<1**
Comments: A temperature exceedance was detected at OXEW1807 on March 3, 2022. TT O&M personnel initiated corrective action and the well was adjusted on the same day and no further exceedance was detected.									
OXEW1809	1/4/2022 10:28	58.8	39.7	0.0	1.5	0.4	111.6	Valve Adjustment:NSPS/CAI,Opened valve 1/2 turn or less	
OXEW1809	1/4/2022 10:31	59.2	40.2	0.0	0.6	0.4	111.6	Valve Adjustment:NSPS/CAI,Valve 100% open,Opened valve 1/2 turn or less	
OXEW1809	1/10/2022 13:13	58.3	39.2	0.0	2.5	-28.2	114.1	Valve Adjustment:No Change,Valve 100% open	**6**
Comments: A pressure exceedance was detected at OXEW1809 on January 4, 2022. TT O&M personnel initiated corrective action and the well was adjusted and re-monitored on the same day but the well remained in exceedance. The well was re-monitored on January 10, 2022 and no further exceedance was detected.									

Well ID	Date and Time	CH_4	CO_2	O_2	BAL	Initial Static Pressure	Initial Temperature	Comments as Noted By Field Technician	Duration of Exceedance By End of Reporting Period
		%	%	%	%	in. wc.	Deg. F.		Days
OXEW1826	12/10/2021 10:38	0.5	1.5	22.2	75.8	-4.7	58.8	Valve Adjustment:NSPS/CAI,Opened valve 1/2 turn to 1 turn,Valve 5% open	
OXEW1826	12/10/2021 10:40	35.0	35.2	0.2	29.6	-6.1	64.9	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn to 1 turn	**<1**
Comments: An oxygen exceedance was detected at OXME1826 on December 10, 2021. TT O&M personnel initiated corrective action and the well was adjusted and re-monitored on the same day and no further exceedance was detected.									
OXEW1911	11/30/2021 11:43	57.7	38.8	0.4	3.1	-15.9	131.0	Valve Adjustment:Opened valve 1/2 turn to 1 turn,Valve 45% open	
OXEW1911	11/30/2021 15:11	52.1	38.2	0.7	9.0	-31.8	132.0	Valve Adjustment:Closed valve >1 turn,Valve 25% open	
OXEW1911	12/1/2021 10:55	55.4	41.1	0.4	3.1	-13.5	129.1	Valve Adjustment:Opened valve 1/2 turn or less,Valve 30% open	**1**
Comments: A temperature exceedance was detected at OXEW1911 on November 30, 2021. TT O&M personnel initiated corrective action and the well was adjusted and re-monitored on the same day, but the well remained in exceedance. The well was re-monitored on December 1, 2021 and no further exceedance was detected.									
OXEW1916	1/6/2022 11:30	31.2	19.2	10.4	39.2	-39.5	61.0	Valve Adjustment:NSPS/CAI,Valve at minimum position,Closed valve >10%	
OXEW1916	1/6/2022 11:32	49.3	27.5	4.7	18.5	-39.6	59.7	Valve Adjustment:No Change,Valve at minimum position	**<1**
Comments: An oxygen exceedance was detected at OXEW1916 on January 6, 2022. TT O&M personnel initiated corrective action and the well was adjusted and re-monitored on the same day and no further exceedance was detected.									
OXEW1916	2/2/2022 11:02	38.7	21.2	7.7	32.4	-40.2	63.2	Valve Adjustment:NSPS/CAI,Valve at minimum position,Closed valve 1/2 turn to 1 turn	
OXEW1916	2/2/2022 11:05	47.2	25.5	5.2	22.1	-40.1	64.0	Valve Adjustment:NSPS/CAI,Valve at minimum position,Closed valve 1/2 turn or less	
OXEW1916	2/11/2022 10:35	55.3	33.7	1.7	9.3	-34.7	78.4	Valve Adjustment:No Change,Valve 5% open	**9**
Comments: An oxygen was detected at OXEW1916 on February 2, 2022. TT O&M personnel initiated corrective action and the well was adjusted and re-monitored on the same day, but the well remained in exceedance. The well was re-monitored on February 11, 2022 and no further exceedance was detected.									
OXEW1918	9/27/2021 11:27	6.6	16.2	8.1	69.1	0.0	72.7	Valve Adjustment:NSPS/CAI,Opened valve 1/2 turn or less	
OXEW1918	9/27/2021 11:32	6.7	16.3	8.1	68.9	-0.1	74.1	Valve Adjustment:NSPS/CAI,Valve at minimum position,Closed valve 1/2 turn or less	
OXEW1918	10/6/2021 11:26	2.9	6.9	14.6	75.6	-0.1	76.2	Valve Adjustment:NSPS/CAI,Valve at minimum position,Closed valve 1/2 turn or less	
OXEW1918	10/6/2021 11:29	2.9	6.5	14.6	76.0	-0.1	74.8	Valve Adjustment:NSPS/CAI,Valve at minimum position,Closed valve 1/2 turn or less	
OXEW1918	10/27/2021 10:44	10.7	17.7	5.5	66.1	-0.1	85.5	Valve Adjustment:NSPS/CAI,Valve at minimum position,Closed valve 1/2 turn or less	

Well ID	Date and Time	CH_4	CO_2	O_2	BAL	Initial Static Pressure	Initial Temperature	Comments as Noted By Field Technician	Duration of Exceedance By End of Reporting Period
		%	%	%	%	in. wc.	Deg. F.		Days
OXEW1918	10/27/2021 10:47	10.7	17.7	5.5	66.1	-0.1	86.5	Valve Adjustment:NSPS/CAI,Valve at minimum position,Closed valve 1/2 turn or less	
OXEW1918	11/4/2021 9:28	26.1	26.3	0.3	47.3	-0.1	61.0	Valve Adjustment:No Change,Valve at minimum position	**38**
Comments: An oxygen exceedance was detected at OXEW1918 on September 27, 2021. TT O&M personnel initiated corrective action and the well was adjusted and re-monitored on the same day and on the dates noted above, but the well remained in exceedance. The well was re-monitored on November 4, 2021 and no further exceedance was detected.									
OXEW2001	10/27/2021 10:59	54.4	45.5	0.0	0.1	0.3	133.5	Valve Adjustment:NSPS/CAI,Opened valve 1/2 turn or less,Valve 20% open	
OXEW2001	10/27/2021 11:05	54.5	44.2	0.0	1.3	-0.1	134.1	Valve Adjustment:NSPS/CAI,Closed valve 1/2 turn or less,Valve 20% open	
OXEW2001	11/4/2021 13:03	46.0	38.6	0.0	15.4	-2.5	129.1	Valve Adjustment:Closed valve 1/2 turn or less,Valve 15% open	**8**
Comments: Pressure and temperature exceedances were detected at OXEW2001 on October 27, 2021. TT O&M personnel initiated corrective action and the well was adjusted and re-monitored on the same day and no further pressure exceedance was detected, but the temperature exceedance remained. The well was re-monitored on November 4, 2021 and no further exceedance was detected.									
OXEW2001	1/6/2022 11:50	54.8	44.9	0.0	0.3	1.3	126.6	Valve Adjustment:NSPS/CAI,Opened valve >10% ,Valve 20% open	
OXEW2001	1/6/2022 11:52	54.5	45.5	0.0	0.0	-0.5	129.4	Valve Adjustment:No Change,Valve 20% open	**<1**
Comments: A pressure exceedance was detected at OXEW2001 on January 6, 2022. TT O&M personnel initiated corrective action and the well was adjusted and re-monitored on the same day and no further exceedance was detected.									
OXEW2006	10/21/2021 13:55	12.6	17.1	6.8	63.5	-4.7	69.5	Valve Adjustment:NSPS/CAI,Valve at minimum position,Closed valve 1/2 turn or less	
OXEW2006	10/21/2021 13:59	13.1	17.6	6.2	63.1	-3.5	68.8	Valve Adjustment:NSPS/CAI,Valve at minimum position,Closed valve 1/2 turn or less	
OXEW2006	10/28/2021 10:52	9.7	17.9	4.7	67.7	-9.8	72.7	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less	**7**
Comments: An oxygen exceedance was detected at OXEW2006 on October 21, 2021. TT O&M personnel initiated corrective action and the well was adjusted and re-monitored on the same day, but the well remained in exceedance. The well was re-monitored on October 28, 2021 and no further exceedance was detected.									
OXEW2006	12/1/2021 12:40	63.1	35.0	0.0	1.9	0.2	76.3	Valve Adjustment:NSPS/CAI,Valve at minimum position,Opened valve 1/2 turn or less	
OXEW2006	12/1/2021 12:41	63.0	35.1	0.2	1.7	-1.1	79.1	Valve Adjustment:No Change,Valve at minimum position	**<1**
Comments: A pressure exceedance was detected at OXEW2006 on December 1, 2021. TT O&M personnel initiated corrective action and the well was adjusted and re-monitored on the same day and no further exceedance was detected.									
OXEW2006	1/7/2022 13:13	65.9	33.5	0.0	0.6	0.4	49.5	Valve Adjustment:NSPS/CAI,Opened valve 10% or less,Valve 5% open	
OXEW2006	1/7/2022 13:15	56.0	27.1	3.6	13.3	-22.5	56.7	Valve Adjustment:Valve at minimum position,Closed valve 10% or less	**<1**
Comments: A pressure exceedance was detected at OXEW2006 on January 7, 2022. TT O&M personnel initiated corrective action and the well was adjusted and re-monitored on the same day and no further exceedance was detected.									
OXEW2006	1/21/2022 9:45	53.5	29.9	3.1	13.5	0.0	60.2	Valve Adjustment:NSPS/CAI,Opened valve 1/2 turn or less,Valve 5% open	
OXEW2006	1/21/2022 9:48	53.5	29.8	4.6	12.1	-9.6	62.0	Valve Adjustment:No Change,Valve 5% open	**<1**
Comments: A pressure exceedance was detected at OXEW2006 on January 21, 2022. TT O&M personnel initiated corrective action and the well was adjusted and re-monitored on the same day and no further exceedance was detected.									
OXEW2006	2/1/2022 11:13	15.2	9.5	16.5	58.8	-3.0	62.8	Valve Adjustment:NSPS/CAI,Valve at minimum position,Closed valve 1/2 turn or less	
OXEW2006	2/1/2022 11:15	12.3	7.5	17.6	62.6	-0.1	62.0	Valve Adjustment:NSPS/CAI,Valve at minimum position,Closed valve 1/2 turn or less	
OXEW2006	2/11/2022 10:11	52.0	29.4	2.2	16.4	-0.1	75.0	Valve Adjustment:No Change,Valve at minimum position	**10**
Comments: An oxygen exceedance was detected at OXHC2006 on February 1, 2022. TT O&M personnel initiated corrective action and the well was adjusted and re-monitored on the same day but the well remained in exceedance. The well was re-monitored on February 11, 2022 and no further exceedance was detected.									
OXEW2006	2/16/2022 10:12	12.5	7.9	16.9	62.7	-0.1	72.1	Valve Adjustment:NSPS/CAI,Valve at minimum position,Opened valve 1/2 turn or less	
OXEW2006	2/16/2022 10:16	8.6	5.4	18.4	67.6	-0.5	72.1	Valve Adjustment:NSPS/CAI,Valve at minimum position,Closed valve 1/2 turn or less	
OXEW2006	3/1/2022 12:15	25.9	16.0	11.2	46.9	0.0	81.6	Valve Adjustment:NSPS/CAI,Opened valve 1/2 turn or less,Valve 5% open	

Well ID	Date and Time	CH_4	CO_2	O_2	BAL	Initial Static Pressure	Initial Temperature	Comments as Noted By Field Technician	Duration of Exceedance By End of Reporting Period
		%	%	%	%	in. wc.	Deg. F.		Days
OXEW2006	3/1/2022 12:19	12.4	7.6	16.4	63.6	-0.2	82.7	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less	
OXEW2006	3/17/2022 10:37	50.0	30.5	2.8	16.7	-0.1	55.9	Valve Adjustment:No Change,Valve at minimum position	**29**
Comments: An oxygen exceedance was detected at OXHC2006 on February 16, 2022. TT O&M personnel initiated corrective action and the well was adjusted and re-monitored on the same day and on the date noted above, but the well remained in exceedance. The well was re-monitored on March 17, 2022 and no further exceedance was detected.									
OXEW2016	11/30/2021 11:10	55.7	38.8	0.0	5.5	-17.4	131.0	Valve Adjustment:Opened valve 1/2 turn to 1 turn,Valve 50% open	
OXEW2016	11/30/2021 11:14	55.9	39.2	0.0	4.9	-22.5	131.9	Valve Adjustment:Opened valve 1/2 turn to 1 turn,Valve 65% open	
OXEW2016	11/30/2021 14:28	56.1	40.0	0.1	3.8	-28.5	131.6	Valve Adjustment:Closed valve >1 turn,Valve 40% open	
OXEW2016	12/1/2021 10:17	55.2	42.2	0.0	2.6	-18.5	130.3	Valve Adjustment:No Change,Valve 40% open	**1**
Comments: A temperature exceedance was detected at OXEW2016 on November 30, 2021. TT O&M personnel initiated corrective action and the well was adjusted and re-monitored on the same day, but the well remained in exceedance. The well was re-monitored on December 1, 2021 and no further exceedance was detected.									
OXEW2016	1/25/2022 12:39	55.4	43.1	0.4	1.1	-21.1	131.7	Valve Adjustment:NSPS/CAI,Closed valve 1/2 turn to 1 turn,Valve 40% open	
OXEW2016	1/25/2022 12:43	55.4	43.1	0.4	1.1	-20.2	130.3	Valve Adjustment:No Change,Valve 40% open	**<1**
Comments: A temperature exceedance was detected at OXEW2016 on January 25, 2022. TT O&M personnel initiated corrective action and the well was adjusted and re-monitored on the same day and no further exceedance was detected.									
OXEW2017	12/16/2021 10:21	41.3	32.5	6.1	20.1	-0.7	91.0	Valve Adjustment:Closed valve 1/2 turn to 1 turn,Valve 10% open	
OXEW2017	12/16/2021 10:26	25.5	19.6	12.9	42.0	-0.6	84.7	Valve Adjustment:NSPS/CAI,Opened valve 1/2 turn or less,Valve 5% open	
OXEW2017	12/28/2021 12:59	57.8	42.1	0.1	0.0	0.8	60.3	Valve Adjustment:NSPS/CAI,Opened valve 10% or less,Valve 15% open	
OXEW2017	12/28/2021 13:01	56.6	42.1	0.5	0.8	-0.3	108.7	Valve Adjustment:No Change,Valve 15% open	**12**
Comments: An oxygen exceedance was detected at OXEW2017 on December 16, 2021. TT O&M personnel initiated corrective action and the well was adjusted and re-monitored on the same day, but the well remained in exceedance. The well was re-monitored on December 28, 2021 and no further oxygen exceedance was detected, but a additional pressure exceedance was detected. TT O&M personnel initiated corrective action and the well was adjusted and re-monitored on the same day and no further exceedances were detected.									
OXEW2017	3/3/2022 10:58	58.1	41.9	0.0	0.0	0.6	111.2	Valve Adjustment:NSPS/CAI,Opened valve 1/2 turn or less,Valve 25% open	
OXEW2017	3/3/2022 11:01	58.1	41.8	0.1	0.0	-0.2	120.9	Valve Adjustment:No Change,Valve 25% open	**<1**
Comments: A pressure exceedance was detected at OXEW2017 on March 3, 2022. TT O&M personnel initiated corrective action and the well was adjusted on the same day and no further exceedance was detected.									
OXEW2020	9/28/2021 15:04	58.3	39.2	0.0	2.5	0.5	131.7	Valve Adjustment:NSPS/CAI,Valve at minimum position,Opened valve 1/2 turn or less	
OXEW2020	9/28/2021 15:07	58.0	40.1	0.0	1.9	-0.1	132.3	Valve Adjustment:NSPS/CAI,Valve at minimum position,Closed valve 1/2 turn or less	
OXEW2020	10/6/2021 15:01	58.9	40.4	0.0	0.7	0.4	131.3	**Adjusted Temperature Reading** Valve Adjustment:NSPS/CAI,Opened valve 1/2 turn or less	
OXEW2020	10/6/2021 15:07	59.0	39.4	0.0	1.6	-0.2	131.4	Valve Adjustment:NSPS/CAI,Valve at minimum position,Closed valve 1/2 turn or less	
OXEW2020	10/18/2021 12:32	57.3	42.7	0.0	0.0	-1.7	130.4	Valve Adjustment:No Change,Valve at minimum position	**20**
Comments: Pressure and temperature exceedances were detected at OXEW2020 on September 28, 2021. TT O&M personnel initiated corrective action and the well was adjusted and re-monitored on the same day and no further pressure exceedance was detected, but the temperature exceedance remained. The well was re-monitored don October 6., 2021 and a additional pressure exceedance was detected. TT O&M personnel initiated corrective action and the well was adjusted and re-monitored on the same day and no further pressure exceedance was detected, but the temperature exceedance remained. The well was re-monitored on October 18, 2021 and no further exceedances were detected.									
OXEW2020	11/29/2021 11:57	58.8	41.1	0.1	0.0	-3.8	133.2	Valve Adjustment:Opened valve 1/2 turn or less,Valve 10% open	
OXEW2020	11/29/2021 11:59	58.8	41.1	0.1	0.0	-4.5	133.7	Valve Adjustment:Valve 100% open,Opened valve >1 turn	
OXEW2020	11/29/2021 12:51	58.4	41.5	0.1	0.0	-9.5	134.4	Valve Adjustment:Closed valve >1 turn,Valve 5% open	
OXEW2020	12/2/2021 12:18	59.5	39.6	0.0	0.9	-2.6	130.4	Valve Adjustment:Closed valve 1/2 turn or less,Valve 5% open	**3**
Comments: A temperature exceedance was detected at OXEW2020 on November 29, 2021. TT O&M personnel initiated corrective action and the well was adjusted and re-monitored on the same day, but the well remained in exceedance. The well was re-monitored on December 2, 2021 and no further exceedance was detected.									
OXEW2020	1/26/2022 12:03	59.2	40.8	0.0	0.0	-6.6	131.3	Valve Adjustment:NSPS/CAI,Closed valve 1/2 turn to 1 turn,Valve 10% open	
OXEW2020	1/26/2022 12:07	59.2	40.7	0.0	0.1	-5.8	130.3	Valve Adjustment:No Change,Valve 10% open	**<1**
Comments: A temperature exceedance was detected at OXEW2020 on January 26, 2022. TT O&M personnel initiated corrective action and the well was adjusted and re-monitored on the same day and no further exceedance was detected.									

Well ID	Date and Time	CH_4	CO_2	O_2	BAL	Initial Static Pressure	Initial Temperature	Comments as Noted By Field Technician	Duration of Exceedance By End of Reporting Period
		%	%	%	%	in. wc.	Deg. F.		Days
OXEW2020	2/8/2022 10:30	59.0	41.0	0.0	0.0	-4.6	131.9	Valve Adjustment:NSPS/CAI,Closed valve 1/2 turn to 1 turn,Valve 5% open	
OXEW2020	2/8/2022 10:32	58.9	41.1	0.0	0.0	-3.8	130.2	Valve Adjustment:Opened valve 1/2 turn or less,Valve 10% open	**<1**
Comments: A temperature exceedance was detected at OXEW2020 on February 8, 2022. TT O&M personnel initiated corrective action and the well was adjusted and re-monitored on the same day and no further exceedance was detected.									
OXEW2020	2/17/2022 13:09	59.2	39.2	0.0	1.6	-7.1	132.9	Valve Adjustment:Closed valve 1/2 turn to 1 turn,Valve 5% open	
OXEW2020	2/17/2022 13:11	59.1	39.7	0.0	1.2	-6.1	130.3	Valve Adjustment:Opened valve 1/2 turn or less,Valve 10% open	**<1**
Comments: A temperature exceedance was detected at OXEW2020 on February 17, 2022. TT O&M personnel initiated corrective action and the well was adjusted and re-monitored on the same day and no further exceedance was detected.									
OXEW2020	3/7/2022 15:09	59.0	38.8	0.0	2.2	-3.4	131.8	Valve Adjustment:NSPS/CAI,Closed valve 1/2 turn to 1 turn,Valve 5% open	
OXEW2020	3/7/2022 15:11	59.3	39.2	0.0	1.5	-2.6	130.2	Valve Adjustment:Opened valve 1/2 turn or less,Valve 10% open	**<1**
Comments: A temperature exceedance was detected at OXEW2020 on March 7, 2022. TT O&M personnel initiated corrective action and the well was adjusted on the same day and no further exceedance was detected.									
OXEW2021	3/7/2022 14:41	60.7	37.1	0.0	2.2	0.7	88.7	Valve Adjustment:NSPS/CAI,Opened valve 1/2 turn or less,Valve 25% open	
OXEW2021	3/7/2022 14:44	60.6	38.0	0.0	1.4	-0.8	92.8	Valve Adjustment:No Change,Valve 25% open	**<1**
Comments: A pressure exceedance was detected at OXEW2021 on March 7, 2022. TT O&M personnel initiated corrective action and the well was adjusted on the same day and no further exceedance was detected.									
OXEW2022	11/30/2021 12:01	59.1	39.3	0.0	1.6	-7.8	131.6	Valve Adjustment:Opened valve 1/2 turn to 1 turn,Valve 35% open	
OXEW2022	11/30/2021 12:03	59.2	39.5	0.0	1.3	-13.7	131.7	Valve Adjustment:Opened valve >1 turn,Valve 75% open	
OXEW2022	11/30/2021 15:32	59.5	40.5	0.0	0.0	-29.8	131.2	Valve Adjustment:Opened valve >1 turn,Valve 25% open	
OXEW2022	12/1/2021 10:26	57.9	42.1	0.0	0.0	-10.8	130.1	Valve Adjustment:No Change,Valve 25% open	**1**
Comments: A temperature exceedance was detected at OXEW2022 on November 30, 2021. TT O&M personnel initiated corrective action and the well was adjusted and re-monitored on the same day, but the well remained in exceedance. The well was re-monitored on December 1, 2021 and no further exceedance was detected.									
OXEW2027	3/14/2022 14:37	44.7	28.9	5.8	20.6	-18.0	70.9	Valve Adjustment:NSPS/CAI,Valve at minimum position,Closed valve 1/2 turn or less	
OXEW2027	3/14/2022 14:42	44.4	28.9	4.8	21.9	-11.2	70.8	Valve Adjustment:No Change,Valve at minimum position	**<1**
Comments: An oxygen exceedance was detected at OXEW2027 on March 14, 2022. TT O&M personnel initiated corrective action and the well was adjusted on the same day and no further exceedance was detected.									
OXEW2028	2/10/2022 13:06	23.2	17.9	12.9	46.0	-32.3	77.9	Valve Adjustment:NSPS/CAI,Closed valve >1 turn,Valve 30% open	
OXEW2028	2/10/2022 13:11	26.4	17.7	11.7	44.2	-32.0	77.8	Valve Adjustment:NSPS/CAI,Valve at minimum position,Closed valve >1 turn	
OXEW2028	2/18/2022 12:54	46.3	36.3	3.9	13.5	13.2	75.4	Valve Adjustment:Valve at minimum position,Opened valve 1/2 turn or less	
OXEW2028	2/18/2022 13:01	51.8	43.8	0.6	3.8	-17.1	78.9	Valve Adjustment:No Change,Valve at minimum position	**8**
Comments: An oxygen exceedance was detected at OXEW2028 on February 10, 2022. TT O&M personnel initiated corrective action and the well was adjusted and re-monitored on the same day but the well remained in exceedance. The well was re-monitored on February 18, 2022 and no further oxygen exceedance was detected but a additional pressure exceedance was detected. TT O&M personnel initiated corrective action and the well was adjusted and re-monitored on the same day and no further exceedances were detected.									
OXEW2028	3/14/2022 15:05	32.0	33.0	7.3	27.7	-37.8	71.7	Valve Adjustment:NSPS/CAI,Opened valve 1/2 turn to 1 turn,Valve 30% open	
OXEW2028	3/14/2022 15:08	33.6	34.9	7.0	24.5	-38.7	71.3	Valve Adjustment:NSPS/CAI,Valve at minimum position,Closed valve 1/2 turn to 1 turn	
OXEW2028	3/28/2022 12:46	23.9	23.0	11.3	41.8	19.2	59.8	Valve Adjustment:NSPS/CAI,Valve at minimum position,Opened valve 1/2 turn or less	
OXEW2028	3/28/2022 12:47	37.9	33.1	4.8	24.2	-28.6	68.7	Valve Adjustment:No Change,Valve at minimum position	**14**
Comments: An oxygen exceedance was detected at OXEW2028 on March 14, 2022. TT O&M personnel initiated corrective action and the well was adjusted and re-monitored on the same day but the well remained in exceedance.. The well was re-monitored on March 28, 2022 and a additional pressure exceedance was detected. TT O&M personnel initiated corrective action and the well was adjusted and re-monitored on the same day and no further exceedances were detected.									
OXEW2112	11/3/2021 13:33	59.1	40.1	0.0	0.8	1.3	100.9	Valve Adjustment:NSPS/CAI,Valve 100% open,Opened valve 1/2 turn to 1 turn	
OXEW2112	11/3/2021 13:38	59.2	39.9	0.0	0.9	0.6	101.4	Valve Adjustment:NSPS/CAI,Valve 100% open,Opened valve 1/2 turn or less	
OXEW2112	11/5/2021 12:54	54.5	39.8	0.1	5.6	-26.2	99.4	Valve Adjustment:No Change,Valve 100% open	**2**
Comments: A pressure exceedance was detected at OXEW2112 on November 3, 2021. TT O&M personnel initiated corrective action and the well was adjusted and re-monitored on the same day, but the well remained in exceedance. The well was re-monitored on November 5, 2021 and no further exceedance was detected.									

Well ID	Date and Time	CH_4	CO_2	O_2	BAL	Initial Static Pressure	Initial Temperature	Comments as Noted By Field Technician	Duration of Exceedance By End of Reporting Period
		%	%	%	%	in. wc.	Deg. F.		Days
OXEWHC6A	3/10/2022 12:59	57.4	39.9	0.0	2.7	0.2	71.1	Valve Adjustment:NSPS/CAI,Valve at minimum position,Opened valve 1/2 turn or less	
OXEWHC6A	3/10/2022 13:05	57.9	40.5	0.0	1.6	-0.3	74.4	Valve Adjustment:No Change,Valve at minimum position	**<1**
Comments: A pressure exceedance was detected at OXEWHC6A on March 10, 2022. TT O&M personnel initiated corrective action and the well was adjusted on the same day and no further exceedance was detected.									
OXHC2001	10/12/2021 11:34	44.5	33.9	5.1	16.5	-8.8	77.5	Valve Adjustment:NSPS/CAI,Closed valve 1/2 turn to 1 turn,Valve 70% open	
OXHC2001	10/12/2021 11:37	44.9	33.7	4.8	16.6	-7.8	75.2	Valve Adjustment:Closed valve 1/2 turn or less,Valve 65% open	**<1**
Comments: An oxygen exceedance was detected at OXHC2001 on October 12, 2021. TT O&M personnel initiated corrective action and the well was adjusted and re-monitored on the same day, and no further exceedance was detected.									
OXHC2001	10/27/2021 12:12	41.9	29.8	6.5	21.8	-5.4	73.7	Valve Adjustment:NSPS/CAI,Closed valve 1/2 turn to 1 turn,Valve 50% open	
OXHC2001	10/27/2021 12:18	45.6	31.7	4.9	17.8	-3.8	74.4	Valve Adjustment:Closed valve 1/2 turn to 1 turn,Valve 45% open	**<1**
Comments: An oxygen exceedance was detected at OXHC2001 on October 27, 2021. TT O&M personnel initiated corrective action and the well was adjusted and re-monitored on the same day, and no further exceedance was detected.									
OXHC2001	1/27/2022 9:35	42.7	28.8	6.5	22.0	-9.8	64.0	Valve Adjustment:NSPS/CAI,Closed valve 1/2 turn to 1 turn,Valve 30% open	
OXHC2001	1/27/2022 9:37	42.8	28.7	6.5	22.0	-5.4	65.0	Valve Adjustment:NSPS/CAI,Closed valve >1 turn,Valve 20% open	
OXHC2001	2/7/2022 11:56	54.7	35.4	2.1	7.8	-2.6	72.7	Valve Adjustment:Opened valve 1/2 turn or less,Valve 25% open	**11**
Comments: An oxygen exceedance was detected at OXHC2001 on January 27, 2022. TT O&M personnel initiated corrective action and the well was adjusted and re-monitored on the same day but the well remained in exceedance. The well was re-monitored on February 2, 2022 and no further exceedance was detected.									
OXHC2013	11/9/2021 12:34	20.3	21.2	5.8	52.7	-3.7	65.1	Valve Adjustment:NSPS/CAI,Closed valve 1/2 turn to 1 turn,Valve 10% open	
OXHC2013	11/9/2021 12:36	20.2	21.0	5.9	52.9	-3.6	64.9	Valve Adjustment:NSPS/CAI,Closed valve 1/2 turn or less,Valve 5% open	
OXHC2013	11/18/2021 12:51	37.6	33.5	2.8	26.1	-1.4	72.5	Valve Adjustment:Valve at minimum position,Closed valve >10%	**9**
Comments: An oxygen exceedance was detected at OXHC2013 on November 9, 2021. TT O&M personnel initiated corrective action and the well was adjusted and re-monitored on the same day, but the well remained in exceedance. The well was re-monitored on November 18, 2021 and no further exceedance was detected.									
OXHC2013	1/6/2022 12:46	57.4	42.6	0.0	0.0	0.7	60.8	Valve Adjustment:NSPS/CAI,Opened valve >10% ,Valve 35% open	
OXHC2013	1/6/2022 12:47	57.1	42.9	0.0	0.0	-0.2	58.9	Valve Adjustment:No Change,Valve 35% open	**<1**
Comments: A pressure exceedance was detected at OXHC2013 on January 6, 2022. TT O&M personnel initiated corrective action and the well was adjusted and re-monitored on the same day and no further exceedance was detected.									
OXHC2015	10/11/2021 12:16	59.0	40.1	0.0	0.9	0.4	85.0	Valve Adjustment:NSPS/CAI,Opened valve >1 turn,Valve 30% open	
OXHC2015	10/11/2021 12:19	58.8	41.2	0.0	0.0	-0.2	86.6	Valve Adjustment:No Change,Valve 30% open	**<1**
Comments: A pressure exceedance was detected at OXHC2015 on October 11, 2021. TT O&M personnel initiated corrective action and the well was adjusted and re-monitored on the same day, and no further exceedance was detected.									
OXHC2101	12/21/2021 11:46	57.2	40.1	0.6	2.1	0.3	61.5	Well Comment:First reading on new well	
OXHC2101	12/21/2021 11:51	57.3	42.0	0.3	0.4	0.3	59.4	Valve Adjustment:Valve at minimum position,Opened valve 1/2 turn or less	
OXHC2101	12/21/2021 11:52	58.0	42.0	0.0	0.0	0.2	67.1	Valve Adjustment:No Change,Valve at minimum position	
OXHC2101	12/21/2021 13:14	57.9	42.1	0.0	0.0	0.2	68.5	Valve Adjustment:Opened valve 1/2 turn to 1 turn,Valve 10% open	
OXHC2101	12/21/2021 13:15	57.8	42.2	0.0	0.0	0.1	70.7	Valve Adjustment:No Change,Valve 10% open	
OXHC2101	12/22/2021 13:00	58.1	40.7	0.0	1.2	0.5	71.6	Valve Adjustment:Opened valve >10% ,Valve 25% open	
OXHC2101	12/22/2021 13:02	57.9	42.1	0.0	0.0	-0.2	75.6	Valve Adjustment:No Change,Valve 25% open	**1**
Comments: A pressure exceedance was detected at OXHC2101 on December 21, 2021. TT O&M personnel initiated corrective action and the well was adjusted and re-monitored on the same day but the well remained in exceedance. The well was re-monitored on December 22, 2021 and no further exceedance was detected.									
OXLCRS9A	11/10/2021 11:14	0.1	0.2	20.5	79.2	-1.2	72.3		
OXLCRS9A	11/10/2021 11:15	0.0	0.1	20.5	79.4	-1.2	74.5	Valve Adjustment:NSPS/CAI,Opened valve 1/2 turn or less,Valve 5% open	
OXLCRS9A	11/10/2021 12:09	37.1	39.5	3.9	19.5	-4.3	70.2	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less	**<1**
Comments: An oxygen exceedance was detected at OXLCRS9A on November 10, 2021. TT O&M personnel initiated corrective action and the well was adjusted and re-monitored on the same day and no further exceedance was detected.									

Well ID	Date and Time	CH_4	CO_2	O_2	BAL	Initial Static Pressure	Initial Temperature	Comments as Noted By Field Technician	Duration of Exceedance By End of Reporting Period
		%	%	%	%	in. wc.	Deg. F.		Days
OXLCRS9A	11/11/2021 10:09	31.8	39.5	6.1	22.6	-3.8	69.1	Valve Adjustment:NSPS/CAI,Valve at minimum position,Closed valve 1/2 turn or less	
OXLCRS9A	11/11/2021 10:12	31.7	40.8	6.1	21.4	-3.6	68.6	Valve Adjustment:NSPS/CAI,Valve at minimum position,Closed valve 1/2 turn or less	
OXLCRS9A	11/18/2021 12:13	46.6	50.4	0.0	3.0	-6.7	66.4	Valve Adjustment:No Change,Valve at minimum position	**7**
Comments: An oxygen exceedance was detected at OXLCRS9A on November 11, 2021. TT O&M personnel initiated corrective action and the well was adjusted and re-monitored on the same day, but the well remained in exceedance. The well was re-monitored on November 18, 2021 and no further exceedance was detected.									
OXLCRS9A	11/24/2021 8:52	27.9	34.5	7.4	30.2	-5.1	51.2	Valve Adjustment:NSPS/CAI,Valve at minimum position,Closed valve 1/2 turn or less	
OXLCRS9A	11/24/2021 8:54	32.4	38.7	4.9	24.0	-5.0	51.1	Valve Adjustment:No Change,Valve at minimum position	**<1**
Comments: An oxygen exceedance was detected at OXLCRS9A on November 24, 2021. TT O&M personnel initiated corrective action and the well was adjusted and re-monitored on the same day and no further exceedance was detected.									
OXLCRS9A	12/13/2021 12:33	1.0	2.5	21.2	75.3	1.5	53.2	Valve Adjustment:NSPS/CAI,Opened valve 1/2 turn to 1 turn,Valve 5% open	
OXLCRS9A	12/13/2021 12:36	48.1	46.9	0.2	4.8	-0.8	63.5	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less	**<1**
Comments: Oxygen and pressure exceedances were detected at OXLCRS9A on December 13, 2021. TT O&M personnel initiated corrective action and the well was adjusted and re-monitored on the same day and no further exceedances were detected.									
OXLCRS9A	12/28/2021 12:27	32.6	40.0	6.1	21.3	-12.2	62.2	Valve Adjustment:NSPS,Valve at minimum position	
OXLCRS9A	12/28/2021 12:29	32.7	40.1	6.1	21.1	-10.6	62.1	Valve Adjustment:NSPS/CAI,Valve at minimum position	
OXLCRS9A	1/6/2022 13:26	40.0	47.2	1.1	11.7	-7.2	61.2	Valve Adjustment:No Change,Valve at minimum position	**9**
Comments: An oxygen exceedance was detected at OXLCRS9A on December 28, 2021. TT O&M personnel initiated corrective action and the well was adjusted and re-monitored on the same day but the well remained in exceedance. The well was re-monitored on January 6, 2022 and no further exceedance was detected.									
OXLCRS9B	11/10/2021 11:19	2.1	1.6	19.6	76.7	-2.5	71.7	Valve Adjustment:No Change	
OXLCRS9B	11/10/2021 11:20	2.2	1.5	19.6	76.7	-2.5	72.4	Valve Adjustment:NSPS/CAI,Opened valve 1/2 turn or less,Valve 5% open	
OXLCRS9B	11/10/2021 12:12	47.2	46.5	0.2	6.1	-4.1	68.9	Valve Adjustment:Valve at minimum position,Closed valve 1/2 turn or less	**<1**
Comments: An oxygen exceedance was detected at OXLCRS9B on November 10, 2021. TT O&M personnel initiated corrective action and the well was adjusted and re-monitored on the same day and no further exceedance was detected.									
OXLCRS9B	2/10/2022 12:52	34.2	34.3	6.4	25.1	0.1	70.3	Valve Adjustment:NSPS/CAI,Valve at minimum position,Opened valve 1/2 turn or less	
OXLCRS9B	2/10/2022 12:58	35.8	34.4	5.8	24.0	-0.2	71.7	Valve Adjustment:NSPS/CAI,Valve at minimum position,Closed valve 1/2 turn or less	
OXLCRS9B	2/18/2022 13:37	10.1	10.0	17.4	62.5	-0.1	67.3	Valve Adjustment:NSPS/CAI,Valve at minimum position,Opened valve 1/2 turn or less	
OXLCRS9B	2/18/2022 13:45	8.8	8.8	17.6	64.8	-0.1	68.4	Valve Adjustment:NSPS/CAI,Valve at minimum position,Closed valve 1/2 turn or less	
OXLCRS9B	3/14/2022 14:18	13.0	12.5	15.1	59.4	-0.1	67.1	Valve Adjustment:NSPS/CAI,Opened valve 1/2 turn to 1 turn,Valve 15% open	
OXLCRS9B	3/14/2022 14:20	13.1	0.0	15.3	71.6	-0.3	66.3	Valve Adjustment:NSPS/CAI,Valve at minimum position,Closed valve 1/2 turn or less	
OXLCRS9B	3/29/2022 11:42	12.5	11.9	16.3	59.3	-0.2	62.4	Valve Adjustment:NSPS/CAI,Opened valve 1/2 turn or less,Valve 5% open	
OXLCRS9B	3/29/2022 11:46	10.8	9.4	16.6	63.2	-0.3	62.5	Valve Adjustment:NSPS/CAI,Valve at minimum position,Closed valve 1/2 turn or less	**49 (as of April 1, 2022)**
Comments: Oxygen and pressure exceedances were detected at LCRS9B on February 10, 2022. TT O&M personnel initiated corrective action and the well was adjusted and re-monitored on the same day and no further pressure exceedance was detected but the well remained in exceedance for oxygen. The well was re-monitored on the dates noted above but the well remains in exceedance.									

Well ID	Date and Time	CH_4	CO_2	O_2	BAL	Initial Static Pressure	Initial Temperature	Comments as Noted By Field Technician	Duration of Exceedance By End of Reporting Period
		%	%	%	%	in. wc.	Deg. F.		Days
OXLCRS10	11/10/2021 11:39	32.5	21.1	9.2	37.2	-3.5	80.1	Valve Adjustment:No Change	
OXLCRS10	11/10/2021 11:46	33.6	22.0	8.9	35.5	-3.6	81.2	Valve Adjustment:NSPS/CAI,Opened valve 1/2 turn or less,Valve 5% open	
OXLCRS10	11/10/2021 12:26	59.7	39.2	0.1	1.0	-3.7	82.8	Valve Adjustment:Opened valve 1/2 turn or less,Valve 15% open	**<1**
Comments: An oxygen exceedance was detected at OXLCRS10 on November 10, 2021. TT O&M personnel initiated corrective action and the well was adjusted and re-monitored on the same day and no further exceedance was detected.									
OXLCRS11	11/10/2021 11:47	56.6	36.8	0.2	6.4	0.2	77.8	Valve Adjustment:No Change,Valve at minimum position	
OXLCRS11	11/10/2021 11:49	58.5	38.5	0.2	2.8	0.2	78.4	Valve Adjustment:Opened valve 1/2 turn or less,Valve 10% open	
OXLCRS11	11/10/2021 12:28	58.8	39.5	0.1	1.6	0.1	77.0	Valve Adjustment:NSPS/CAI,Opened valve 1/2 turn or less,Valve 30% open	
OXLCRS11	11/10/2021 12:32	58.4	39.8	0.1	1.7	-0.1	77.1		**<1**
Comments: A pressure exceedance was detected at OXLCRS11 on November 10, 2021. TT O&M personnel initiated corrective action and the well was adjusted and re-monitored on the same day and no further exceedance was detected.									
OXLCRS11	1/27/2022 9:49	33.7	26.6	8.1	31.6	-4.8	79.8	Valve Adjustment:NSPS/CAI,Closed valve 1/2 turn or less	
OXLCRS11	1/27/2022 9:51	32.9	25.8	8.2	33.1	-4.4	80.4	Valve Adjustment:NSPS/CAI,Closed valve 1/2 turn or less,Valve 65% open	
OXLCRS11	2/7/2022 11:05	37.5	28.1	6.3	28.1	-3.2	81.2	Valve Adjustment:NSPS/CAI,Closed valve 1/2 turn or less,Valve 55% open	
OXLCRS11	2/7/2022 11:07	36.3	27.6	6.4	29.7	-2.4	81.5	Valve Adjustment:NSPS/CAI,Closed valve 1/2 turn or less,Valve 50% open	
OXLCRS11	2/18/2022 12:43	50.6	39.8	1.2	8.4	-2.5	83.3	Valve Adjustment:No Change,Valve 55% open	**22**
Comments: An oxygen exceedance was detected at OXLCRS11 on January 27, 2022. TT O&M personnel initiated corrective action and the well was adjusted and re-monitored on the same day and the date noted above but the well remained in exceedance. The well was re-monitored on February 18, 2022 and no further exceedance was detected.									
OXME302D	11/22/2021 12:39	30.8	21.1	10.1	38.0	-22.2	120.3	Valve Adjustment:NSPS/CAI,Closed valve 1/2 turn or less	
OXME302D	11/22/2021 12:41	33.2	23.1	9.6	34.1	-20.6	120.0	Valve Adjustment:NSPS/CAI,Closed valve 1/2 turn or less	
OXME302D	12/1/2021 11:06	55.7	39.1	1.2	4.0	-17.5	119.7	Valve Adjustment:Opened valve 1/2 turn or less	**9**
Comments: An oxygen exceedance was detected at OXME302D on November 22, 2021. TT O&M personnel initiated corrective action and the well was adjusted and re-monitored on the same day but the well remained in exceedance. The well was re-monitored on December 1, 2021 and no further exceedance was detected.									
OXME302D	3/7/2022 14:54	31.2	21.5	9.9	37.4	-14.8	119.7	Valve Adjustment:NSPS/CAI,Closed valve 1/2 turn or less	
OXME302D	3/7/2022 14:58	30.1	20.2	10.2	39.5	-13.5	119.6	Valve Adjustment:NSPS/CAI,Closed valve 1/2 turn or less	
OXME302D	3/21/2022 14:33	46.3	31.1	5.3	17.3	-11.9	118.9	Valve Adjustment:NSPS/CAI,Closed valve 1/2 turn or less	
OXME302D	3/21/2022 14:40	46.0	30.9	4.9	18.2	-11.1	118.5	Valve Adjustment:Closed valve 1/2 turn or less	**14**
Comments: An oxygen exceedance was detected at OXME302D on March 7, 2022. TT O&M personnel initiated corrective action and the well was adjusted and re-monitored on the same day but the well remained in exceedance. The well was re-monitored on March 21, 2022 and no further exceedance was detected.									
OXMEW162	11/23/2021 11:11	43.5	25.9	7.5	23.1	-39.0	72.5	Valve Adjustment:NSPS/CAI,Closed valve 1/2 turn to 1 turn	
OXMEW162	11/23/2021 11:14	44.3	25.7	7.1	22.9	-35.4	73.5	Valve Adjustment:NSPS/CAI,Closed valve 1/2 turn or less	
OXMEW162	12/1/2021 11:23	48.9	28.1	4.9	18.1	-38.4	74.7	Valve Adjustment:No Change	**8**
Comments: An oxygen exceedance was detected at OXMEW162 on November 23, 2021. TT O&M personnel initiated corrective action and the well was adjusted and re-monitored on the same day but the well remained in exceedance. The well was re-monitored on December 1, 2021 and no further exceedance was detected.									
OXMEW162	1/10/2022 12:42	11.8	5.3	17.0	65.9	-35.2	69.1	Valve Adjustment:NSPS/CAI,Opened valve >1 turn	
OXMEW162	1/10/2022 12:48	24.3	11.9	13.2	50.6	-34.8	71.1	Valve Adjustment:NSPS/CAI,Valve at minimum position,Closed valve >1 turn	
OXMEW162	1/21/2022 13:26	56.4	25.3	0.5	17.8	-19.6	72.7	Valve Adjustment:No Change	**11**
Comments: An oxygen exceedance was detected at OXMEW162 on January 10, 2022. TT O&M personnel initiated corrective action and the well was adjusted and re-monitored on the same day but the well remained in exceedance. The well was re-monitored on January 21, 2022 and no further exceedance was detected.									
OXMEW162	2/23/2022 12:11	26.9	14.5	13.0	45.6	-39.1	58.1	Valve Adjustment:NSPS/CAI,Valve at minimum position,Closed valve 1/2 turn or less	
OXMEW162	2/23/2022 12:16	27.9	15.0	12.7	44.4	-37.8	58.9	Valve Adjustment:NSPS/CAI,Valve at minimum position,Closed valve 1/2 turn or less	
OXMEW162	3/4/2022 11:27	17.1	8.5	15.6	58.8	-23.4	62.8	Valve Adjustment:NSPS/CAI,Opened valve 1/2 turn or less	
OXMEW162	3/4/2022 11:30	21.5	10.5	14.6	53.4	-28.0	63.6	Valve Adjustment:NSPS/CAI,Valve at minimum position,Closed valve 1/2 turn or less	

Well ID	Date and Time	CH_4	CO_2	O_2	BAL	Initial Static Pressure	Initial Temperature	Comments as Noted By Field Technician	Duration of Exceedance By End of Reporting Period
		%	%	%	%	in. wc.	Deg. F.		Days
OXMEW162	3/28/2022 14:31	67.6	32.4	0.0	0.0	3.8	70.9	Valve Adjustment:NSPS/CAI,Opened valve 1/2 turn or less	
OXMEW162	3/28/2022 14:32	60.9	30.0	2.8	6.3	-23.2	76.0	Valve Adjustment:No Change	**24**
Comments: An oxygen exceedance was detected at OXMEW162 on February 23, 2022. TT O&M personnel initiated corrective action and the well was adjusted and re-monitored on the same day and on the date noted above but the well remained in exceedance.. The well was re-monitored on March 28, 2022 and no further oxygen exceedance was detected but a additional pressure exceedance was detected. TT O&M personnel initiated corrective action and the well was adjusted and re-monitored on the same day and no further exceedances were detected.									
OXMEW170	11/4/2021 10:50	64.2	34.1	0.0	1.7	7.2	70.4	Valve Adjustment:NSPS/CAI,Valve at minimum position,Opened valve 1/2 turn or less	
OXMEW170	11/4/2021 10:54	64.2	34.0	0.0	1.8	-11.7	68.6	Valve Adjustment:No Change,Valve at minimum position	**<1**
Comments: A pressure exceedance was detected at OXMEW170 on November 4, 2021. TT O&M personnel initiated corrective action and the well was adjusted and re-monitored on the same day and no further exceedance was detected.									
OXMEW174	11/4/2021 12:24	58.0	40.3	0.0	1.7	0.2	70.5	Valve Adjustment:NSPS/CAI,Valve at minimum position,Opened valve 1/2 turn or less	
OXMEW174	11/4/2021 12:27	58.2	40.8	0.0	1.0	-0.2	72.7	Valve Adjustment:No Change,Valve at minimum position	**<1**
Comments: A pressure exceedance was detected at OXMEW174 on November 4, 2021. TT O&M personnel initiated corrective action and the well was adjusted and re-monitored on the same day and no further exceedance was detected.									
OXMEW174	12/1/2021 13:47	57.8	40.7	0.0	1.5	0.1	79.2	Valve Adjustment:NSPS/CAI,Valve at minimum position,Opened valve 1/2 turn or less	
OXMEW174	12/1/2021 13:48	57.7	40.9	0.0	1.4	-0.3	75.3	Valve Adjustment:No Change,Valve at minimum position	**<1**
Comments: A pressure exceedance was detected at OXMEW174 on December 1, 2021. TT O&M personnel initiated corrective action and the well was adjusted and re-monitored on the same day and no further exceedance was detected.									
OXMEW174	1/21/2022 12:36	57.7	40.1	0.0	2.2	0.3	67.9	Valve Adjustment:NSPS/CAI,Valve at minimum position,Opened valve 1/2 turn or less	
OXMEW174	1/21/2022 12:37	57.8	40.0	0.0	2.2	-0.1	66.4	Valve Adjustment:No Change,Valve at minimum position	**<1**
Comments: A pressure exceedance was detected at OXMEW174 on January 21, 2022. TT O&M personnel initiated corrective action and the well was adjusted and re-monitored on the same day and no further exceedance was detected.									
OXMEW174	2/2/2022 10:07	41.7	30.0	5.4	22.9	-0.8	57.5	Valve Adjustment:NSPS/CAI,Valve at minimum position,Closed valve 1/2 turn or less	
OXMEW174	2/2/2022 10:09	41.8	29.9	5.4	22.9	-0.3	58.6	Valve Adjustment:NSPS/CAI,Valve at minimum position,Closed valve 1/2 turn or less	
OXMEW174	2/11/2022 10:23	57.3	38.8	0.0	3.9	-0.2	75.5	Valve Adjustment:Valve at minimum position,Opened valve 1/2 turn or less	**9**
Comments: An oxygen exceedance was detected at OXMEW174 on February 2, 2022. TT O&M personnel initiated corrective action and the well was adjusted and re-monitored on the same day but the well remained in exceedance. The well was re-monitored on February 11, 2022 and no further exceedance was detected.									

Well ID	Date and Time	CH_4	CO_2	O_2	BAL	Initial Static Pressure	Initial Temperature	Comments as Noted By Field Technician	Duration of Exceedance By End of Reporting Period
		%	%	%	%	in. wc.	Deg. F.		Days
OXMEW184	1/5/2022 13:01	47.8	35.0	0.0	17.2	0.0	117.4	Valve Adjustment:NSPS/CAI,Opened valve 1/2 turn or less	
OXMEW184	1/5/2022 13:02	46.1	35.6	0.0	18.3	-0.1	118.2	Valve Adjustment:Closed valve 1/2 turn or less	**<1**
Comments: A pressure exceedance was detected at OXMEW184 on January 5, 2022. TT O&M personnel initiated corrective action and the well was adjusted and re-monitored on the same day and no further exceedance was detected.									
OXMEW186	9/24/2021 15:40	56.7	41.8	0.0	1.5	0.2	140.5	Valve Adjustment:NSPS/CAI,Opened valve 1/2 turn or less,Valve 15% open	
OXMEW186	9/24/2021 16:20	56.6	43.0	0.0	0.4	-0.2	144.2	Valve Adjustment:NSPS/CAI,Closed valve 1/2 turn or less,Valve 10% open	
OXMEW186	10/6/2021 14:50	55.6	39.2	0.2	5.0	0.2	136.5	Valve Adjustment:NSPS/CAI,Opened valve 1/2 turn or less,Valve 20% open	
OXMEW186	10/6/2021 14:58	56.8	41.4	0.1	1.7	-0.1	139.9	Valve Adjustment:NSPS/CAI,Closed valve 1/2 turn or less,Valve 15% open	
OXMEW186	10/18/2021 12:47	55.8	41.6	0.2	2.4	-0.7	138.5	Valve Adjustment:NSPS/CAI,Closed valve 1/2 turn to 1 turn,Valve 5% open	
OXMEW186	10/18/2021 12:48	56.0	41.9	0.2	1.9	-0.2	130.0	Valve Adjustment:No Change,Valve 5% open	**24**
Comments: Pressure and temperature exceedances were detected at OXMEW186 on September 24, 2021. TT O&M personnel initiated corrective action and the well was adjusted and re-monitored on the same day and no further pressure exceedance was detected, but the temperature exceedance remains. The well was re-monitored don October 6., 2021 and a additional pressure exceedance was detected. TT O&M personnel initiated corrective action and the well was adjusted and re-monitored on the same day and no further pressure exceedance was detected, but the temperature exceedance remained. The well was re-monitored on October 18, 2021 and no further exceedances were detected.									
OXMEW186	11/9/2021 11:50	29.0	24.3	7.9	38.8	-0.7	87.4	Valve Adjustment:NSPS/CAI,Closed valve 1/2 turn to 1 turn,Valve 5% open	
OXMEW186	11/9/2021 12:02	29.6	24.7	7.4	38.3	-0.6	86.6	Valve Adjustment:NSPS/CAI,Closed valve 1/2 turn or less,Valve 5% open	
OXMEW186	11/18/2021 13:17	50.6	41.2	0.2	8.0	-0.2	109.8	Valve Adjustment:No Change,Valve 5% open	**9**
Comments: An oxygen exceedance was detected at OXMEW186 on November 9, 2021. TT O&M personnel initiated corrective action and the well was adjusted and re-monitored on the same day, but the well remained in exceedance. The well was re-monitored on November 18, 2021 and no further exceedance was detected.									
OXMEW200	11/22/2021 13:13	56.4	41.4	0.1	2.1	0.1	117.2	Valve Adjustment:NSPS/CAI,Opened valve 1/2 turn or less	
OXMEW200	11/22/2021 13:20	56.7	41.2	0.1	2.0	-0.4	120.6	Valve Adjustment:No Change	**<1**
Comments: A pressure exceedance was detected at OXMEW200 on November 22, 2021. TT O&M personnel initiated corrective action and the well was adjusted and re-monitored on the same day and no further exceedance was detected.									
OXMEW200	3/14/2022 10:29	57.5	42.1	0.0	0.4	0.2	99.9	Valve Adjustment:NSPS/CAI,Opened valve 1/2 turn or less	
OXMEW200	3/14/2022 10:32	57.4	42.1	0.0	0.5	-0.1	106.0	Valve Adjustment:No Change	**<1**
Comments: A pressure exceedance was detected at OXMEW200 on March 14, 2022. TT O&M personnel initiated corrective action and the well was adjusted on the same day and no further exceedance was detected.									
OXMEW209	11/5/2021 15:31	50.5	39.0	2.4	8.1	1.1	120.2	Valve Adjustment:NSPS/CAI,Opened valve 1/2 turn or less,Valve 35% open	
OXMEW209	11/5/2021 15:33	53.9	40.9	0.9	4.3	-0.4	126.6	Valve Adjustment:No Change,Valve 35% open	**<1**
Comments: A pressure exceedance was detected at OXMEW209 on November 5, 2021. TT O&M personnel initiated corrective action and the well was adjusted and re-monitored on the same day and no further exceedance was detected.									
OXMEW209	12/23/2021 11:01	57.9	42.1	0.0	0.0	2.2	67.4	Valve Adjustment:NSPS/CAI,Opened valve 1/2 turn to 1 turn,Valve 35% open	
OXMEW209	12/23/2021 11:03	57.8	42.2	0.0	0.0	-0.4	120.2	Valve Adjustment:No Change,Valve 35% open	**<1**
Comments: A pressure exceedance was detected at OXMEW209 on December 23, 2021. TT O&M personnel initiated corrective action and the well was adjusted and re-monitored on the same day and no further exceedance was detected.									
OXMEW209	2/8/2022 10:19	48.6	36.8	2.9	11.7	0.9	123.4	Valve Adjustment:NSPS/CAI,Opened valve 1/2 turn or less,Valve 35% open	
OXMEW209	2/8/2022 10:21	52.7	38.8	1.4	7.1	-0.7	128.2	Valve Adjustment:No Change,Valve 35% open	**<1**
Comments: A pressure exceedance was detected at OXMEW209 on February 8, 2022. TT O&M personnel initiated corrective action and the well was adjusted and re-monitored on the same day and no further exceedance was detected.									
OXMEW209	3/7/2022 15:20	43.4	31.2	4.4	21.0	0.3	121.2	Valve Adjustment:NSPS/CAI,Opened valve 1/2 turn or less,Valve 35% open	
OXMEW209	3/7/2022 15:22	48.5	34.6	2.8	14.1	-0.6	125.1	Valve Adjustment:No Change,Valve 35% open	**<1**
Comments: A pressure exceedance was detected at OXMEW209 on March 7, 2022. TT O&M personnel initiated corrective action and the well was adjusted on the same day and no further exceedance was detected.									

Well ID	Date and Time	CH_4	CO_2	O_2	BAL	Initial Static Pressure	Initial Temperature	Comments as Noted By Field Technician	Duration of Exceedance By End of Reporting Period
		%	%	%	%	in. wc.	Deg. F.		Days
OXMEWW1I	2/17/2022 11:07	60.6	39.4	0.0	0.0	14.4	66.9	Valve Adjustment:NSPS/CAI,Valve at minimum position,Opened valve 1/2 turn or less	
OXMEWW1I	2/17/2022 11:08	60.9	39.1	0.0	0.0	-20.1	64.1	Valve Adjustment:No Change,Valve at minimum position	**<1**
Comments: A pressure exceedance was detected at OXMEWW1I on February 17, 2022. TT O&M personnel initiated corrective action and the well was adjusted and re-monitored on the same day and no further exceedance was detected.									
OXMEWW15	10/7/2021 10:40	16.0	12.0	15.3	56.7	-38.4	58.5	Valve Adjustment:NSPS/CAI,Closed valve 1/2 turn to 1 turn	
OXMEWW15	10/7/2021 10:47	13.4	10.0	15.9	60.7	-26.7	59.0	Valve Adjustment:NSPS/CAI,Valve at minimum position,Closed valve >1 turn	
OXMEWW15	10/13/2021 10:05	0.6	1.7	21.7	76.0	-7.2	58.8	Valve Adjustment:NSPS/CAI,Valve 100% open,Opened valve >1 turn	
OXMEWW15	10/13/2021 10:11	20.6	18.3	13.0	48.1	-37.3	59.0	Valve Adjustment:NSPS/CAI,Valve at minimum position,Closed valve >1 turn	
OXMEWW15	10/27/2021 14:28	0.7	1.2	20.0	78.1	-8.4	84.7	Valve Adjustment:NSPS/CAI,Opened valve >1 turn	
OXMEWW15	10/27/2021 14:32	15.8	15.5	12.9	55.8	-35.5	86.0	Valve Adjustment:NSPS/CAI,Valve at minimum position,Closed valve >1 turn	
OXMEWW15	11/9/2021 13:56	0.5	1.5	20.3	77.7	-6.1	60.4	Valve Adjustment:NSPS/CAI,Valve 100% open,Opened valve >1 turn	
OXMEWW15	11/9/2021 13:58	28.8	20.5	8.7	42.0	-41.6	60.3	Valve Adjustment:NSPS/CAI,Valve at minimum position,Closed valve >1 turn	
OXMEWW15	11/23/2021 12:20	1.1	2.3	20.3	76.3	-5.9	72.9	Valve Adjustment:NSPS/CAI,Opened valve >1 turn	
OXMEWW15	11/23/2021 12:23	28.9	19.6	8.4	43.1	-42.9	76.6	Valve Adjustment:NSPS/CAI,Valve at minimum position,Closed valve >1 turn	
OXMEWW15	12/1/2021 11:47	1.1	1.2	20.9	76.8	-10.1	73.2	Valve Adjustment:NSPS/CAI,Valve 100% open,Opened valve >1 turn	
OXMEWW15	12/1/2021 11:53	23.7	17.8	10.6	47.9	-41.0	75.1	Valve Adjustment:NSPS/CAI,Valve at minimum position,Closed valve >1 turn	
OXMEWW15	12/28/2021 12:44	1.3	8.3	20.5	69.9	-7.8	47.8	Valve Adjustment:NSPS,Valve at minimum position	
OXMEWW15	1/12/2022 12:07	0.2	0.5	21.2	78.1	-7.4	66.7	Valve Adjustment:NSPS/CAI,Opened valve >1 turn	
OXMEWW15	1/12/2022 12:08	17.6	15.3	12.7	54.4	-35.4	67.9	Valve Adjustment:NSPS/CAI,Valve at minimum position,Closed valve >1 turn	
OXMEWW15	1/28/2022 9:26	0.2	0.5	21.5	77.8	-7.5	58.9	Valve Adjustment:NSPS/CAI,Valve 100% open,Opened valve >1 turn	
OXMEWW15	1/28/2022 9:29	28.4	19.8	9.0	42.8	-41.6	57.1	Valve Adjustment:Valve at minimum position,Closed valve >1 turn	**113 (as of decommissioning)**
Comments: An oxygen was detected at OXMEW186 on October 7, 2021. TT O&M personnel initiated corrective action and the well was adjusted and re-monitored on the same day and the dates noted above, but the well remained in exceedance. The well was decommissioned on January 28, 2022. Please refer to Appendix D. Wellfield SSM Log for more information.									

Well ID	Date and Time	CH_4	CO_2	O_2	BAL	Initial Static Pressure	Initial Temperature	Comments as Noted By Field Technician	Duration of Exceedance By End of Reporting Period
		%	%	%	%	in. wc.	Deg. F.		Days
OXMEWW17	11/9/2021 12:45	6.2	5.6	18.2	70.0	-17.5	58.8	Valve Adjustment:NSPS/CAI,Closed valve 1/2 turn or less	
OXMEWW17	11/9/2021 12:50	7.1	6.0	18.1	68.8	-15.8	58.5	Valve Adjustment:NSPS/CAI,Valve at minimum position,Closed valve 1/2 turn or less	
OXMEWW17	11/18/2021 12:43	51.7	40.7	0.9	6.7	-13.3	73.0	Valve Adjustment:No Change,Valve at minimum position	**9**
Comments: An oxygen exceedance was detected at OXMEWW17 on November 9, 2021. TT O&M personnel initiated corrective action and the well was adjusted and re-monitored on the same day, but the well remained in exceedance. The well was re-monitored on November 18, 2021 and no further exceedance was detected.									
OXMHCF04	2/9/2022 14:44	31.6	25.9	10.6	31.9	-34.5	83.9	Valve Adjustment:NSPS/CAI,Closed valve 1/2 turn to 1 turn	
OXMHCF04	2/9/2022 15:34	22.2	18.5	15.0	44.3	-34.4	84.6	Valve Adjustment:NSPS/CAI,Valve at minimum position,Closed valve 1/2 turn to 1 turn	
OXMHCF04	2/14/2022 11:00	48.9	38.9	3.0	9.2	-43.0	52.0	Valve Adjustment:No Change,Valve at minimum position	**5**
Comments: An oxygen exceedance was detected at OXMHCF04 on February 9, 2022. TT O&M personnel initiated corrective action and the well was adjusted and re-monitored on the same day but the well remained in exceedance. The well was re-monitored on February 14, 2022 and no further exceedance was detected.									

Comments in **bold** added by Tetra Tech

NA = Not Applicable CH_4 = Methane CO_2 = Carbon Dioxide O_2 = Oxygen BAL = Balance Gas, usually nitrogen in. wc. = inches of water column Deg. F. = degrees in Fahrenheit scfm = standard cubic feet per minute

% = percent

APPENDIX L

MONTHLY LANDFILL GAS FLOW RATES

Ox Mountain Landfill, Half Moon Bay, California

Yearly LFG for Ameresco Plant and A-7, A-8, and A-9 Flares

Month	A-7 Flare Total Flow Corrected to 50% CH_4 (scf)	A-8 Flare Total Flow Corrected to 50% CH_4 (scf)	A-9 Flare Total Flow Corrected to 50% CH_4 (scf)	Ameresco Total Flow Corrected to 50% CH_4 (scf)[3]	Consecutive 12-Month Corrected Total for A-7 Flare (scf)	Consecutive 12-Month Corrected Total for A-8 Flare (scf)	Consecutive 12-Month Corrected Total for A-9 Flare (scf)	Consecutive 12-Month Corrected Total for Ameresco (scf)[3]	Combined A-7, A-8 and A-9 Flares Corrected 12-Month Throughput[1] (scf)	Landfill Gas Generation Rate[2] (scfm)
April-21	64,470,639.0	0.0	8,681,578.3	152,958,677.9	656,108,152.0	0.0	83,809,677.0	1,630,545,544.2	739,917,829.0	4,510.0
May-21	40,399,671.0	0.0	6,166,128.7	164,213,143.9	638,659,508.4	0.0	83,732,093.0	1,647,861,609.0	722,391,601.4	4,509.6
June-21	53,613,077.0	0.0	799,240.0	158,975,363.8	633,057,252.1	0.0	82,882,013.8	1,656,482,425.0	715,939,265.9	4,513.7
July-21	63,837,486.0	0.0	197,860.4	155,613,275.5	647,723,356.4	0.0	80,767,073.4	1,648,430,241.2	728,490,429.7	4,522.3
August-21	63,007,775.2	0.0	7,681,467.1	158,841,950.7	665,131,671.0	0.0	71,492,516.2	1,662,308,440.4	736,624,187.2	4,564.2
September-21	68,795,270.6	0.0	69,086.7	154,654,437.2	693,451,390.0	0.0	66,747,256.5	1,679,973,141.6	760,198,646.5	4,642.6
October-21	66,132,498.6	0.0	40,403.0	156,692,625.1	713,204,137.2	0.0	59,267,221.9	1,684,903,062.8	772,471,359.1	4,675.4
November-21	69,804,453.9	0.0	13,147,493.1	142,553,198.6	731,549,738.2	0.0	51,092,856.8	1,695,362,048.3	782,642,595.0	4,714.6
December-21	62,227,480.5	0.0	1,314,208.7	167,517,833.0	750,194,591.6	0.0	45,770,292.8	1,795,949,942.9	795,964,884.4	4,931.3
January-22	66,329,832.2	0.0	274,878.0	163,920,606.9	749,520,011.8	0.0	46,045,170.9	1,796,589,517.9	795,565,182.7	4,931.8
February-22	62,219,331.1	0.0	207,365.6	151,304,696.2	748,506,741.0	0.0	39,111,381.3	1,898,348,382.9	787,618,122.3	5,110.3
March-22	60,625,076.1	0.0	2,510,399.1	165,051,585.1	741,462,591.2	0.0	41,090,108.7	1,892,297,393.9	782,552,699.9	5,089.1

Notes:

[1]The 12-month rolling throughput for each month represents the sum of the monthly combined corrected throughput calculated using the preceding 12 consecutive months. Pursuant to Title V Permit Condition Number 10164 Part 20, the combined LFG flow rate to all Flares (A-7, A-8, and A-9) shall not exceed 2,155 million scf (corrected to 50% CH_4) during any consecutive 12-month period.

[2]Pursuant to Title V Permit Condition Number 10164 Part 22, the annual average landfill gas generation rate shall not exceed 6,600 scfm.

[3]Ameresco flow data derived from files received by Republic from Ameresco. Flow values reported here to confirm compliance with Title V Permit Condition Number 10164 Part 22, which states the annual average landfill gas generation rate shall not exceed 6,600 scfm.

scf= standard cubic feet

CH_4 = methane

LFG= landfill gas

%= percent

Ox Mountain Landfill, Half Moon Bay, California

Monthly LFG Input to Flare (A-7)

Month	Total Available Runtime (hours)[4]	Total Downtime (hours)	Total Runtime (hours)	Average Flow (scfm)[1]	Average CH_4 (%)[2]	Total Flow LFG Volume (scf)[3]	Total Flow LFG Volume Corrected to 50% CH_4	Total CH_4 Volume (scf)	Total Heat Input (MMBTU)
October-21	744.00	101.17	642.83	1,758.1	47.9	68,145,938.5	66,132,498.6	32,641,904.5	33,066.2
November-21	721.00	2.03	718.97	1,668.0	47.9	71,929,688.5	69,804,453.9	34,454,320.8	34,902.2
December-21	744.00	60.73	683.27	1,562.6	47.9	64,122,030.0	62,227,480.5	30,714,452.4	31,113.7
January-22	744.00	66.50	677.50	1,574.7	47.9	68,349,280.0	66,329,832.2	32,739,305.1	33,164.9
February-22	672.00	8.77	663.23	1,612.1	47.9	64,113,632.5	62,219,331.1	30,710,430.0	31,109.7
March-22	743.00	84.77	658.23	1,591.5	47.9	62,470,839.5	60,625,076.1	29,923,532.1	30,312.5
OCTOBER 1, 2021 THROUGH MARCH 31, 2022 TOTALS/AVERAGE:	**4,368.00**	**323.97**	**4,044.03**	**1,627.8**	**47.9**	**399,131,409.00**	**387,338,672.39**	**191,183,944.91**	**193,669.34**

NOTES:

[1]The calculated average flow only includes months in which the flare was operational.

[2]CH4 content of 47.9 percent was determined from the August 6, 2021 Source Test.

[3]Flare operation limited due to the operation of Ameresco engine plant.

[4]There were 721 hours in November 2021 and 743 hours in March 2022 due to Daylight Savings Time.

scfm= standard cubic feet per minute scf= standard cubic feet MMBTU= million British thermal units LFG= landfill gas CH_4= methane %= percent

Ox Mountain Landfill, Half Moon Bay, California

Monthly LFG Input to Flare (A-8)

Month	Total Available Runtime (hours)[4]	Total Downtime (hours)	Total Runtime (hours)	Average Flow (scfm)[1]	Average CH_4 (%)[2]	Total Flow LFG Volume (scf)[3]	Total Flow LFG Volume Corrected to 50% CH_4	Total CH_4 Volume (scf)	Total Heat Input (MMBTU)
October-21	744.00	744.00	0.00	0.0	44.1	0.0	0.0	0.0	0.0
November-21	721.00	721.00	0.00	0.0	44.1	0.0	0.0	0.0	0.0
December-21	744.00	744.00	0.00	0.0	44.1	0.0	0.0	0.0	0.0
January-22	744.00	744.00	0.00	0.0	44.1	0.0	0.0	0.0	0.0
February-22	672.00	672.00	0.00	0.0	44.1	0.0	0.0	0.0	0.0
March-22	743.00	743.00	0.00	0.0	44.1	0.0	0.0	0.0	0.0
OCTOBER 1, 2021 THROUGH MARCH 31, 2022 TOTALS/AVERAGE:	**4,368.00**	**4,368.00**	**0.00**	**0.0**	**44.1**	**0.00**	**0.00**	**0.00**	**0.00**

NOTES:

[1]The calculated average flow only includes months in which the flare was operational.

[2]CH_4 content is determined from the average of the weekly methane concentrations taken from the A-8 Flare inlet. The methane concentration of 44.1 percent (determined from the September 13, 2016 Source Test) will be used in lieu of monthly averages when weekly methane concentrations are negligible due to monitoring conducted while devices are offline.

[3]Flare operation limited due to the operation of Ameresco engine plant.

[4]There were 721 hours in November 2021 and 743 hours in March 2022 due to Daylight Savings Time.

scfm= standard cubic feet per minute scf= standard cubic feet MMBTU= million British thermal units LFG= landfill gas CH_4= methane %= percent

Ox Mountain Landfill, Half Moon Bay, California

Monthly LFG Input to Flare (A-9)

Month	Total Available Runtime (hours)[4]	Total Downtime (hours)	Total Runtime (hours)	Average Flow (scfm)[1]	Average CH_4 (%)[2]	Total Flow LFG Volume (scf)[3]	Total Flow LFG Volume Corrected to 50% CH_4	Total CH_4 Volume (scf)	Total Heat Input (MMBTU)
October-21	744.00	743.33	0.67	959.8	52.6	37,913.0	40,403.0	19,942.2	20.2
November-21	721.00	620.03	100.97	2,076.0	52.6	12,337,233.0	13,147,493.1	6,489,384.6	6,573.7
December-21	744.00	735.03	8.97	2,232.3	52.6	1,233,216.0	1,314,208.7	648,671.6	657.1
January-22	744.00	741.47	2.53	1,618.2	52.6	257,937.7	274,878.0	135,675.2	137.4
February-22	672.00	670.37	1.63	2,326.3	52.6	194,586.0	207,365.6	102,352.2	103.7
March-22	743.00	720.83	22.17	1,704.9	52.6	2,355,687.0	2,510,399.1	1,239,091.4	1,255.2
OCTOBER 1, 2021 THROUGH MARCH 31, 2022 TOTALS/AVERAGE:	**4,368.00**	**4,231.07**	**136.93**	**1,819.6**	**52.6**	**16,416,572.72**	**17,494,747.55**	**8,635,117.25**	**8,747.37**

NOTES:

[1]The calculated average flow only includes months in which the flare was operational.

[2]CH4 content of 52.6 percent determined from the August 6, 2021 Source Test.

[3]Flare operation limited due to the operation of Ameresco engine plant.

[4]There were 721 hours in November 2021 and 743 hours in March 2022 due to Daylight Savings Time.

scfm= standard cubic feet per minute scf= standard cubic feet MMBTU= million British thermal units LFG= landfill gas CH_4= methane %= percent

OX MOUNTAIN LANDFILL
Half Moon Bay, CA

A-7 Flare Heat Input Rate

MONTH: October-2021

Date	Runtime (hours)	CH_4 (%)*	Average Flow (scfm)	Total Flow LFG Volume (scf)	Total Flow LFG Volume Corrected to 50% CH_4	CH_4 Volume (scf)	Heating Value of CH_4 (BTU/scf)	Heat Input (MMBTU/Day)
10/1/2021	24.00	47.9	1,834.6	2,641,770.0	2,563,716.3	1,265,407.8	1,013.0	1,281.9
10/2/2021	24.00	47.9	1,842.4	2,653,124.0	2,574,734.8	1,270,846.4	1,013.0	1,287.4
10/3/2021	24.00	47.9	1,884.4	2,713,539.0	2,633,364.8	1,299,785.2	1,013.0	1,316.7
10/4/2021	24.00	47.9	2,027.4	2,919,443.0	2,833,185.1	1,398,413.2	1,013.0	**1,416.6**
10/5/2021	24.00	47.9	1,815.4	2,614,244.0	2,537,003.5	1,252,222.9	1,013.0	1,268.5
10/6/2021	23.03	47.9	1,824.8	2,521,936.0	2,447,422.9	1,208,007.3	1,013.0	1,223.7
10/7/2021	24.00	47.9	1,805.6	2,600,054.0	2,523,232.8	1,245,425.9	1,013.0	1,261.6
10/8/2021	24.00	47.9	1,850.9	2,665,289.0	2,586,540.4	1,276,673.4	1,013.0	1,293.3
10/9/2021	24.00	47.9	1,801.4	2,594,018.0	2,517,375.1	1,242,534.6	1,013.0	1,258.7
10/10/2021	24.00	47.9	1,809.7	2,605,988.0	2,528,991.5	1,248,268.3	1,013.0	1,264.5
10/11/2021	24.00	47.9	1,784.6	2,569,814.0	2,493,886.3	1,230,940.9	1,013.0	1,246.9
10/12/2021	24.00	47.9	1,863.2	2,682,965.0	2,603,694.1	1,285,140.2	1,013.0	1,301.8
10/13/2021	24.00	47.9	1,792.1	2,580,644.0	2,504,396.3	1,236,128.5	1,013.0	1,252.2
10/14/2021	24.00	47.9	1,691.6	2,435,855.0	2,363,885.2	1,166,774.5	1,013.0	1,181.9
10/15/2021	24.00	47.9	1,543.2	2,222,224.0	2,156,566.2	1,064,445.3	1,013.0	1,078.3
10/16/2021	24.00	47.9	1,616.1	2,327,169.0	2,258,410.5	1,114,714.0	1,013.0	1,129.2
10/17/2021	24.00	47.9	1,534.7	2,210,026.0	2,144,728.6	1,058,602.5	1,013.0	1,072.4
10/18/2021	24.00	47.9	1,484.2	2,137,272.0	2,074,124.2	1,023,753.3	1,013.0	1,037.1
10/19/2021	23.63	47.9	1,558.3	2,209,729.0	2,144,440.3	1,058,460.2	1,013.0	1,072.2
10/20/2021	24.00	47.9	1,699.4	2,447,139.0	2,374,835.8	1,172,179.6	1,013.0	1,187.4
10/21/2021	10.50	47.9	1,577.2	993,612.0	964,254.7	475,940.1	1,013.0	482.1
10/22/2021	0.00	47.9	0.0	0.0	0.0	0.0	1,013.0	0.0
10/23/2021	13.97	47.9	1,650.6	1,383,215.0	1,342,346.5	662,560.0	1,013.0	671.2
10/24/2021	5.13	47.9	1,591.3	490,121.0	475,639.9	234,768.0	1,013.0	237.8
10/25/2021	0.00	47.9	0.0	0.0	0.0	0.0	1,013.0	0.0
10/26/2021	14.57	47.9	1,871.3	1,635,550.0	1,587,226.0	783,428.5	1,013.0	793.6
10/27/2021	24.00	47.9	1,861.0	2,679,795.0	2,600,617.8	1,283,621.8	1,013.0	1,300.3
10/28/2021	24.00	47.9	1,860.2	2,678,635.5	2,599,492.5	1,283,066.4	1,013.0	1,299.7
10/29/2021	24.00	47.9	1,890.8	2,722,707.0	2,642,261.9	1,304,176.7	1,013.0	1,321.1
10/30/2021	24.00	47.9	1,817.4	2,617,097.0	2,539,772.3	1,253,589.5	1,013.0	1,269.9
10/31/2021	24.00	47.9	1,800.7	2,592,964.0	2,516,352.3	1,242,029.8	1,013.0	1,258.2
Totals/ Average:	**642.83**	**47.9**	**1,758.1**	**68,145,938.5**	**66,132,498.6**	**32,641,904.5**	**1,013.0**	**33,066.2**
							Maximum:	**1,416.6**

Notes:
*CH_4 content of 47.9 percent determined from the August 6, 2021 Source Test.
scfm= standard cubic feet per minute
BTU/scf= British thermal unit per standard cubic feet
scf= standard cubic feet
MMBTU= million British thermal units
LFG= landfill gas
CH_4= methane
%= percent

OX MOUNTAIN LANDFILL
Half Moon Bay, CA

A-7 Flare Heat Input Rate

MONTH: November-2021

Date	Runtime (hours)[2]	CH_4 (%)[1]	Average Flow (scfm)	Total Flow LFG Volume (scf)	Total Flow LFG Volume Corrected to 50% CH_4	CH_4 Volume (scf)	Heating Value of CH_4 (BTU/scf)	Heat Input (MMBTU/Day)
11/1/2021	24.00	47.9	1,716.6	2,471,864.0	2,398,830.3	1,184,022.9	1,013.0	1,199.4
11/2/2021	24.00	47.9	1,631.9	2,349,883.0	2,280,453.4	1,125,594.0	1,013.0	1,140.2
11/3/2021	24.00	47.9	1,681.5	2,421,385.0	2,349,842.8	1,159,843.4	1,013.0	1,174.9
11/4/2021	24.00	47.9	1,585.8	2,283,489.0	2,216,021.0	1,093,791.2	1,013.0	1,108.0
11/5/2021	24.00	47.9	1,586.7	2,284,887.0	2,217,377.7	1,094,460.9	1,013.0	1,108.7
11/6/2021	24.00	47.9	1,739.3	2,504,577.0	2,430,576.8	1,199,692.4	1,013.0	1,215.3
11/7/2021	25.00	47.9	1,650.4	2,475,529.0	2,402,387.0	1,185,778.4	1,013.0	1,201.2
11/8/2021	24.00	47.9	1,570.1	2,260,958.0	2,194,155.7	1,082,998.9	1,013.0	1,097.1
11/9/2021	24.00	47.9	1,525.7	2,196,940.0	2,132,029.2	1,052,334.3	1,013.0	1,066.0
11/10/2021	24.00	47.9	2,021.0	2,910,184.0	2,824,199.7	1,393,978.1	1,013.0	1,412.1
11/11/2021	24.00	47.9	2,203.9	3,173,545.0	3,079,779.4	1,520,128.1	1,013.0	**1,539.9**
11/12/2021	24.00	47.9	2,082.4	2,998,697.0	2,910,097.5	1,436,375.9	1,013.0	1,455.0
11/13/2021	24.00	47.9	1,660.1	2,390,521.0	2,319,890.7	1,145,059.6	1,013.0	1,159.9
11/14/2021	23.77	47.9	2,070.7	2,952,875.0	2,865,629.4	1,414,427.1	1,013.0	1,432.8
11/15/2021	22.20	47.9	1,829.5	2,436,882.5	2,364,882.4	1,167,266.7	1,013.0	1,182.4
11/16/2021	24.00	47.9	1,677.6	2,415,711.0	2,344,336.4	1,157,125.6	1,013.0	1,172.2
11/17/2021	24.00	47.9	1,568.4	2,258,480.0	2,191,750.9	1,081,811.9	1,013.0	1,095.9
11/18/2021	24.00	47.9	1,533.5	2,208,269.0	2,143,023.5	1,057,760.9	1,013.0	1,071.5
11/19/2021	24.00	47.9	1,580.6	2,276,045.0	2,208,797.0	1,090,225.6	1,013.0	1,104.4
11/20/2021	24.00	47.9	1,541.6	2,219,960.0	2,154,369.1	1,063,360.8	1,013.0	1,077.2
11/21/2021	24.00	47.9	1,513.0	2,178,787.0	2,114,412.6	1,043,639.0	1,013.0	1,057.2
11/22/2021	24.00	47.9	1,554.1	2,237,941.0	2,171,818.8	1,071,973.7	1,013.0	1,085.9
11/23/2021	24.00	47.9	1,559.8	2,246,092.0	2,179,729.0	1,075,878.1	1,013.0	1,089.9
11/24/2021	24.00	47.9	1,606.4	2,313,277.0	2,244,928.9	1,108,059.7	1,013.0	1,122.5
11/25/2021	24.00	47.9	1,530.8	2,204,376.0	2,139,245.5	1,055,896.1	1,013.0	1,069.6
11/26/2021	24.00	47.9	1,559.2	2,245,178.0	2,178,842.0	1,075,440.3	1,013.0	1,089.4
11/27/2021	24.00	47.9	1,543.1	2,222,032.0	2,156,379.8	1,064,353.3	1,013.0	1,078.2
11/28/2021	24.00	47.9	1,567.8	2,257,577.0	2,190,874.6	1,081,379.4	1,013.0	1,095.4
11/29/2021	24.00	47.9	1,554.2	2,238,038.0	2,171,912.9	1,072,020.2	1,013.0	1,086.0
11/30/2021	24.00	47.9	1,594.2	2,295,709.0	2,227,880.0	1,099,644.6	1,013.0	1,113.9
Totals/ Average:	**718.97**	**47.9**	**1,668.0**	**71,929,688.5**	**69,804,453.9**	**34,454,320.8**	**1,013.0**	**34,902.2**
							Maximum:	**1,539.9**

Notes:
[1]CH_4 content of 47.9 percent determined from the August 6, 2021 Source Test.
[2]There were 721.00 hours available in November 2021 due to Daylight Savings Time.
scfm= standard cubic feet per minute
BTU/scf= British thermal unit per standard cubic feet
scf= standard cubic feet
MMBTU= million British thermal units
LFG= landfill gas
CH_4= methane
%= percent

OX MOUNTAIN LANDFILL
Half Moon Bay, CA

A-7 Flare Heat Input Rate

MONTH: December-2021

Date	Runtime (hours)	CH_4 (%)[1]	Average Flow (scfm)	Total Flow LFG Volume (scf)	Total Flow LFG Volume Corrected to 50% CH_4	CH_4 Volume (scf)	Heating Value of CH_4 (BTU/scf)	Heat Input (MMBTU/Day)
12/1/2021	24.00	47.9	1,629.9	2,347,058.5	2,277,712.3	1,124,241.0	1,013.0	1,138.9
12/2/2021	23.30	47.9	1,820.0	2,544,397.0	2,469,220.2	1,218,766.2	1,013.0	1,234.6
12/3/2021	24.00	47.9	1,551.9	2,234,701.0	2,168,674.5	1,070,421.8	1,013.0	1,084.3
12/4/2021	24.00	47.9	1,487.7	2,142,306.0	2,079,009.4	1,026,164.6	1,013.0	1,039.5
12/5/2021	24.00	47.9	1,489.9	2,145,524.0	2,082,132.3	1,027,706.0	1,013.0	1,041.1
12/6/2021	23.80	47.9	1,800.3	2,570,892.0	2,494,932.4	1,231,457.3	1,013.0	**1,247.5**
12/7/2021	24.00	47.9	1,626.3	2,341,807.0	2,272,616.0	1,121,725.6	1,013.0	1,136.3
12/8/2021	24.00	47.9	1,543.3	2,222,336.0	2,156,674.9	1,064,498.9	1,013.0	1,078.3
12/9/2021	24.00	47.9	1,512.5	2,178,000.0	2,113,648.8	1,043,262.0	1,013.0	1,056.8
12/10/2021	24.00	47.9	1,459.1	2,101,033.0	2,038,955.9	1,006,394.8	1,013.0	1,019.5
12/11/2021	24.00	47.9	1,526.8	2,198,572.0	2,133,613.0	1,053,116.0	1,013.0	1,066.8
12/12/2021	24.00	47.9	1,536.1	2,211,997.0	2,146,641.3	1,059,546.6	1,013.0	1,073.3
12/13/2021	24.00	47.9	1,550.8	2,233,130.0	2,167,149.9	1,069,669.3	1,013.0	1,083.6
12/14/2021	24.00	47.9	1,484.7	2,137,904.0	2,074,737.5	1,024,056.0	1,013.0	1,037.4
12/15/2021	24.00	47.9	1,629.9	2,347,083.0	2,277,736.1	1,124,252.8	1,013.0	1,138.9
12/16/2021	24.00	47.9	1,517.5	2,185,188.0	2,120,624.4	1,046,705.1	1,013.0	1,060.3
12/17/2021	24.00	47.9	1,509.5	2,173,641.0	2,109,418.6	1,041,174.0	1,013.0	1,054.7
12/18/2021	24.00	47.9	1,503.2	2,164,623.0	2,100,667.0	1,036,854.4	1,013.0	1,050.3
12/19/2021	24.00	47.9	1,590.6	2,290,437.0	2,222,763.7	1,097,119.3	1,013.0	1,111.4
12/20/2021	24.00	47.9	1,478.4	2,128,892.0	2,065,991.8	1,019,739.3	1,013.0	1,033.0
12/21/2021	22.67	47.9	1,471.9	2,001,807.0	1,942,661.6	958,865.6	1,013.0	971.3
12/22/2021	24.00	47.9	1,592.8	2,293,582.5	2,225,816.3	1,098,626.0	1,013.0	1,112.9
12/23/2021	24.00	47.9	1,559.8	2,246,044.0	2,179,682.4	1,075,855.1	1,013.0	1,089.8
12/24/2021	24.00	47.9	1,547.3	2,228,071.0	2,162,240.4	1,067,246.0	1,013.0	1,081.1
12/25/2021	0.90	47.9	1,465.9	79,159.0	76,820.2	37,917.2	1,013.0	38.4
12/26/2021	0.00	47.9	0.0	0.0	0.0	0.0	1,013.0	0.0
12/27/2021	14.27	47.9	1,681.0	1,438,948.0	1,396,432.8	689,256.1	1,013.0	698.2
12/28/2021	24.00	47.9	1,650.9	2,377,354.0	2,307,112.7	1,138,752.6	1,013.0	1,153.6
12/29/2021	24.00	47.9	1,581.7	2,277,673.0	2,210,376.9	1,091,005.4	1,013.0	1,105.2
12/30/2021	24.00	47.9	1,558.4	2,244,028.0	2,177,725.9	1,074,889.4	1,013.0	1,088.9
12/31/2021	22.33	47.9	1,519.3	2,035,842.0	1,975,691.0	975,168.3	1,013.0	987.8
Totals/ Average:	**683.27**	**47.9**	**1,562.6**	**64,122,030.0**	**62,227,480.5**	**30,714,452.4**	**1,013.0**	**31,113.7**
							Maximum:	**1,247.5**

Notes:
[1]CH_4 content of 47.9 percent determined from the August 6, 2021 Source Test.
[2]There were 721.00 hours available in November 2021 due to Daylight Savings Time.
scfm= standard cubic feet per minute
BTU/scf= British thermal unit per standard cubic feet
scf= standard cubic feet
MMBTU= million British thermal units
LFG= landfill gas
CH_4= methane
%= percent

OX MOUNTAIN LANDFILL
Half Moon Bay, CA

A-7 Flare Heat Input Rate

MONTH: January-2022

Date	Runtime (hours)	CH_4 (%)[1]	Average Flow (scfm)	Total Flow LFG Volume (scf)	Total Flow LFG Volume Corrected to 50% CH_4	CH_4 Volume (scf)	Heating Value of CH_4 (BTU/scf)	Heat Input (MMBTU/Day)
1/1/2022	0.00	47.9	0.0	0.0	0.0	0.0	1,013.0	0.0
1/2/2022	0.00	47.9	0.0	0.0	0.0	0.0	1,013.0	0.0
1/3/2022	13.73	47.9	1,715.6	1,413,646.0	1,371,878.4	677,136.4	1,013.0	685.9
1/4/2022	24.00	47.9	1,570.3	2,261,282.0	2,194,470.2	1,083,154.1	1,013.0	1,097.2
1/5/2022	24.00	47.9	1,688.8	2,431,928.0	2,360,074.3	1,164,893.5	1,013.0	1,180.0
1/6/2022	24.00	47.9	1,588.0	2,286,780.0	2,219,214.8	1,095,367.6	1,013.0	1,109.6
1/7/2022	24.00	47.9	1,563.4	2,251,249.0	2,184,733.6	1,078,348.3	1,013.0	1,092.4
1/8/2022	24.00	47.9	1,524.0	2,194,547.0	2,129,706.9	1,051,188.0	1,013.0	1,064.9
1/9/2022	24.00	47.9	1,586.9	2,285,105.0	2,217,589.3	1,094,565.3	1,013.0	1,108.8
1/10/2022	24.00	47.9	1,692.2	2,436,798.0	2,364,800.4	1,167,226.2	1,013.0	1,182.4
1/11/2022	23.57	47.9	1,874.1	2,649,981.0	2,571,684.7	1,269,340.9	1,013.0	1,285.8
1/12/2022	24.00	47.9	1,853.8	2,669,488.0	2,590,615.3	1,278,684.8	1,013.0	1,295.3
1/13/2022	24.00	47.9	1,874.8	2,699,780.0	2,620,012.3	1,293,194.6	1,013.0	1,310.0
1/14/2022	24.00	47.9	1,882.3	2,710,535.0	2,630,449.5	1,298,346.3	1,013.0	1,315.2
1/15/2022	24.00	47.9	1,857.5	2,674,842.0	2,595,811.1	1,281,249.3	1,013.0	1,297.9
1/16/2022	24.00	47.9	1,867.8	2,689,703.0	2,610,233.0	1,288,367.7	1,013.0	1,305.1
1/17/2022	23.47	47.9	1,887.3	2,657,387.0	2,578,871.8	1,272,888.4	1,013.0	1,289.4
1/18/2022	24.00	47.9	1,886.1	2,715,921.0	2,635,676.4	1,300,926.2	1,013.0	**1,317.8**
1/19/2022	16.83	47.9	1,897.2	1,916,144.0	1,859,529.6	917,833.0	1,013.0	929.8
1/20/2022	24.00	47.9	1,649.2	2,374,781.0	2,304,615.7	1,137,520.1	1,013.0	1,152.3
1/21/2022	24.00	47.9	1,618.9	2,331,266.0	2,262,386.4	1,116,676.4	1,013.0	1,131.2
1/22/2022	24.00	47.9	1,634.8	2,354,125.0	2,284,570.0	1,127,625.9	1,013.0	1,142.3
1/23/2022	24.00	47.9	1,553.8	2,237,426.0	2,171,319.0	1,071,727.1	1,013.0	1,085.7
1/24/2022	24.00	47.9	1,575.6	2,268,909.0	2,201,871.8	1,086,807.4	1,013.0	1,100.9
1/25/2022	24.00	47.9	1,542.8	2,221,640.0	2,155,999.4	1,064,165.6	1,013.0	1,078.0
1/26/2022	24.00	47.9	1,605.7	2,312,186.0	2,243,870.2	1,107,537.1	1,013.0	1,121.9
1/27/2022	24.00	47.9	1,543.4	2,222,436.0	2,156,771.9	1,064,546.8	1,013.0	1,078.4
1/28/2022	24.00	47.9	1,564.6	2,253,006.0	2,186,438.7	1,079,189.9	1,013.0	1,093.2
1/29/2022	24.00	47.9	1,566.5	2,255,766.0	2,189,117.1	1,080,511.9	1,013.0	1,094.6
1/30/2022	24.00	47.9	1,611.3	2,320,261.0	2,251,706.6	1,111,405.0	1,013.0	1,125.9
1/31/2022	23.90	47.9	1,570.7	2,252,362.0	2,185,813.7	1,078,881.4	1,013.0	1,092.9
Totals/ Average:	**677.50**	**47.9**	**1,574.7**	**68,349,280.0**	**66,329,832.2**	**32,739,305.1**	**1,013.0**	**33,164.9**
							Maximum:	**1,317.8**

Notes:
[1]CH_4 content of 47.9 percent determined from the August 6, 2021 Source Test.
[2]There were 721.00 hours available in November 2021 due to Daylight Savings Time.
scfm= standard cubic feet per minute
BTU/scf= British thermal unit per standard cubic feet
scf= standard cubic feet
MMBTU= million British thermal units
LFG= landfill gas
CH_4= methane
%= percent

OX MOUNTAIN LANDFILL
Half Moon Bay, CA

A-7 Flare Heat Input Rate

MONTH: February-2022

Date	Runtime (hours)	CH_4 (%)[1]	Average Flow (scfm)	Total Flow LFG Volume (scf)	Total Flow LFG Volume Corrected to 50% CH_4	CH_4 Volume (scf)	Heating Value of CH_4 (BTU/scf)	Heat Input (MMBTU/Day)
2/1/2022	24.00	47.9	1,663.7	2,395,742.5	2,324,957.9	1,147,560.7	1,013.0	1,162.5
2/2/2022	24.00	47.9	1,517.3	2,184,935.0	2,120,378.9	1,046,583.9	1,013.0	1,060.2
2/3/2022	24.00	47.9	1,613.3	2,323,146.0	2,254,506.3	1,112,786.9	1,013.0	1,127.3
2/4/2022	24.00	47.9	1,521.0	2,190,254.0	2,125,540.8	1,049,131.7	1,013.0	1,062.8
2/5/2022	24.00	47.9	1,558.6	2,244,381.0	2,178,068.5	1,075,058.5	1,013.0	1,089.0
2/6/2022	24.00	47.9	1,538.8	2,215,917.0	2,150,445.5	1,061,424.2	1,013.0	1,075.2
2/7/2022	24.00	47.9	1,660.5	2,391,113.0	2,320,465.2	1,145,343.1	1,013.0	1,160.2
2/8/2022	24.00	47.9	1,759.1	2,533,110.0	2,458,266.7	1,213,359.7	1,013.0	1,229.1
2/9/2022	23.70	47.9	1,935.9	2,752,836.0	2,671,500.7	1,318,608.4	1,013.0	1,335.8
2/10/2022	24.00	47.9	1,931.8	2,781,736.0	2,699,546.8	1,332,451.5	1,013.0	**1,349.8**
2/11/2022	24.00	47.9	1,622.6	2,336,609.0	2,267,571.6	1,119,235.7	1,013.0	1,133.8
2/12/2022	24.00	47.9	1,572.7	2,264,673.0	2,197,761.0	1,084,778.4	1,013.0	1,098.9
2/13/2022	24.00	47.9	1,577.1	2,271,000.0	2,203,901.0	1,087,809.0	1,013.0	1,102.0
2/14/2022	24.00	47.9	1,570.5	2,261,553.0	2,194,733.2	1,083,283.9	1,013.0	1,097.4
2/15/2022	23.80	47.9	1,683.5	2,404,067.0	2,333,036.4	1,151,548.1	1,013.0	1,166.5
2/16/2022	24.00	47.9	1,550.1	2,232,072.0	2,166,123.2	1,069,162.5	1,013.0	1,083.1
2/17/2022	24.00	47.9	1,524.9	2,195,918.0	2,131,037.4	1,051,844.7	1,013.0	1,065.5
2/18/2022	24.00	47.9	1,538.8	2,215,847.0	2,150,377.6	1,061,390.7	1,013.0	1,075.2
2/19/2022	18.30	47.9	1,735.1	1,905,121.0	1,848,832.3	912,553.0	1,013.0	924.4
2/20/2022	24.00	47.9	1,672.5	2,408,351.0	2,337,193.9	1,153,600.1	1,013.0	1,168.6
2/21/2022	23.17	47.9	1,611.8	2,240,395.0	2,174,200.3	1,073,149.2	1,013.0	1,087.1
2/22/2022	24.00	47.9	1,578.2	2,272,604.0	2,205,457.6	1,088,577.3	1,013.0	1,102.7
2/23/2022	24.00	47.9	1,481.0	2,132,693.0	2,069,680.5	1,021,559.9	1,013.0	1,034.8
2/24/2022	24.00	47.9	1,617.9	2,329,733.0	2,260,898.7	1,115,942.1	1,013.0	1,130.4
2/25/2022	24.00	47.9	1,559.1	2,245,136.0	2,178,801.2	1,075,420.1	1,013.0	1,089.4
2/26/2022	24.00	47.9	1,501.3	2,161,914.0	2,098,038.1	1,035,556.8	1,013.0	1,049.0
2/27/2022	24.00	47.9	1,521.4	2,190,867.0	2,126,135.6	1,049,425.3	1,013.0	1,063.1
2/28/2022	22.27	47.9	1,520.9	2,031,909.0	1,971,874.2	973,284.4	1,013.0	985.9
Totals/ Average:	**663.23**	**47.9**	**1,612.1**	**64,113,632.5**	**62,219,331.1**	**30,710,430.0**	**1,013.0**	**31,109.7**
							Maximum:	**1,349.8**

Notes:
[1]CH_4 content of 47.9 percent determined from the August 6, 2021 Source Test.
[2]There were 721.00 hours available in November 2021 due to Daylight Savings Time.
scfm= standard cubic feet per minute
BTU/scf= British thermal unit per standard cubic feet
scf= standard cubic feet
MMBTU= million British thermal units
LFG= landfill gas
CH_4= methane
%= percent

OX MOUNTAIN LANDFILL
Half Moon Bay, CA

A-7 Flare Heat Input Rate

MONTH: March-2022

Date	Runtime (hours)[2]	CH_4 (%)[1]	Average Flow (scfm)	Total Flow LFG Volume (scf)	Total Flow LFG Volume Corrected to 50% CH_4	CH_4 Volume (scf)	Heating Value of CH_4 (BTU/scf)	Heat Input (MMBTU/Day)
3/1/2022	15.93	47.9	1,683.7	1,609,651.5	1,562,092.7	771,023.1	1,013.0	781.0
3/2/2022	3.03	47.9	1,657.4	301,654.0	292,741.3	144,492.3	1,013.0	146.4
3/3/2022	6.03	47.9	1,700.4	615,551.0	597,363.9	294,848.9	1,013.0	298.7
3/4/2022	15.87	47.9	1,953.5	1,859,759.0	1,804,810.6	890,824.6	1,013.0	902.4
3/5/2022	24.00	47.9	1,654.6	2,382,604.0	2,312,207.6	1,141,267.3	1,013.0	1,156.1
3/6/2022	6.73	47.9	1,488.3	601,254.0	583,489.3	288,000.7	1,013.0	291.7
3/7/2022	11.80	47.9	1,692.5	1,198,289.0	1,162,884.4	573,980.4	1,013.0	581.4
3/8/2022	24.00	47.9	1,610.8	2,319,603.0	2,251,068.0	1,111,089.8	1,013.0	1,125.5
3/9/2022	24.00	47.9	1,576.2	2,269,767.0	2,202,704.5	1,087,218.4	1,013.0	1,101.4
3/10/2022	24.00	47.9	1,517.3	2,184,976.0	2,120,418.7	1,046,603.5	1,013.0	1,060.2
3/11/2022	24.00	47.9	1,595.7	2,297,870.0	2,229,977.1	1,100,679.7	1,013.0	1,115.0
3/12/2022	24.00	47.9	1,552.8	2,236,093.0	2,170,025.4	1,071,088.5	1,013.0	1,085.0
3/13/2022	23.00	47.9	1,508.9	2,082,227.0	2,020,705.5	997,386.7	1,013.0	1,010.4
3/14/2022	23.83	47.9	1,715.1	2,452,617.0	2,380,152.0	1,174,803.5	1,013.0	1,190.1
3/15/2022	24.00	47.9	1,816.1	2,615,177.0	2,537,909.0	1,252,669.8	1,013.0	**1,269.0**
3/16/2022	24.00	47.9	1,669.6	2,404,241.0	2,333,205.3	1,151,631.4	1,013.0	1,166.6
3/17/2022	24.00	47.9	1,598.6	2,301,912.0	2,233,899.7	1,102,615.8	1,013.0	1,116.9
3/18/2022	24.00	47.9	1,537.3	2,213,692.0	2,148,286.3	1,060,358.5	1,013.0	1,074.1
3/19/2022	24.00	47.9	1,537.3	2,213,768.0	2,148,360.0	1,060,394.9	1,013.0	1,074.2
3/20/2022	24.00	47.9	1,476.3	2,125,917.0	2,063,104.7	1,018,314.2	1,013.0	1,031.6
3/21/2022	24.00	47.9	1,540.7	2,218,649.0	2,153,096.8	1,062,732.9	1,013.0	1,076.5
3/22/2022	24.00	47.9	1,616.0	2,327,091.0	2,258,334.8	1,114,676.6	1,013.0	1,129.2
3/23/2022	24.00	47.9	1,516.8	2,184,173.0	2,119,639.4	1,046,218.9	1,013.0	1,059.8
3/24/2022	24.00	47.9	1,543.9	2,223,226.0	2,157,538.6	1,064,925.3	1,013.0	1,078.8
3/25/2022	24.00	47.9	1,583.4	2,280,163.0	2,212,793.3	1,092,198.1	1,013.0	1,106.4
3/26/2022	24.00	47.9	1,522.4	2,192,207.0	2,127,436.1	1,050,067.2	1,013.0	1,063.7
3/27/2022	24.00	47.9	1,524.9	2,195,802.0	2,130,924.8	1,051,789.2	1,013.0	1,065.5
3/28/2022	24.00	47.9	1,492.6	2,149,322.0	2,085,818.1	1,029,525.2	1,013.0	1,042.9
3/29/2022	24.00	47.9	1,472.2	2,119,926.0	2,057,290.7	1,015,444.6	1,013.0	1,028.6
3/30/2022	24.00	47.9	1,496.8	2,155,414.0	2,091,730.1	1,032,443.3	1,013.0	1,045.9
3/31/2022	24.00	47.9	1,484.9	2,138,244.0	2,075,067.4	1,024,218.9	1,013.0	1,037.5
Totals/ Average:	**658.23**	**47.9**	**1,591.5**	**62,470,839.5**	**60,625,076.1**	**29,923,532.1**	**1,013.0**	**30,312.5**
							Maximum:	**1,269.0**

Notes:
[1]CH_4 content of 47.9 percent determined from the August 6, 2021 Source Test.
[2]There were 743.00 hours available in March 2022 due to Daylight Savings Time.
scfm= standard cubic feet per minute
BTU/scf= British thermal unit per standard cubic feet
scf= standard cubic feet
MMBTU= million British thermal units
LFG= landfill gas
CH_4= methane
%= percent

OX MOUNTAIN LANDFILL
Half Moon Bay, CA

A-8 Flare Heat Input Rate

MONTH: October-2021

Date	Runtime (hours)	CH_4 (%)*	Average Flow (scfm)	Total Flow LFG Volume (scf)	Total Flow LFG Volume Corrected to 50% CH_4	CH_4 Volume (scf)	Heating Value of CH_4 (BTU/scf)	Heat Input (MMBTU/Day)
10/1/2021	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
10/2/2021	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
10/3/2021	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
10/4/2021	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
10/5/2021	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
10/6/2021	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
10/7/2021	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
10/8/2021	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
10/9/2021	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
10/10/2021	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
10/11/2021	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
10/12/2021	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
10/13/2021	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
10/14/2021	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
10/15/2021	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
10/16/2021	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
10/17/2021	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
10/18/2021	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
10/19/2021	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
10/20/2021	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
10/21/2021	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
10/22/2021	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
10/23/2021	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
10/24/2021	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
10/25/2021	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
10/26/2021	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
10/27/2021	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
10/28/2021	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
10/29/2021	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
10/30/2021	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
10/31/2021	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
Totals/ Average:	**0.00**	**44.1**	**0.0**	**0.0**	**0.0**	**0.0**	**1,013.0**	**0.0**
							Maximum:	**0.0**

Notes:
*CH_4 content of 44.1 percent (determined from the September 13, 2016 Source Test.

BTU/scf= British thermal unit per standard cubic feet
scf= standard cubic feet
scfm= standard cubic feet per minute
MMBTU= million British thermal units
LFG= landfill gas
CH_4= methane
%= percent

OX MOUNTAIN LANDFILL
Half Moon Bay, CA

A-8 Flare Heat Input Rate

MONTH: November-2021

Date	Runtime (hours)[2]	CH_4 (%)[1]	Average Flow (scfm)	Total Flow LFG Volume (scf)	Total Flow LFG Volume Corrected to 50% CH_4	CH_4 Volume (scf)	Heating Value of CH_4 (BTU/scf)	Heat Input (MMBTU/Day)
11/1/2021	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
11/2/2021	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
11/3/2021	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
11/4/2021	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
11/5/2021	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
11/6/2021	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
11/7/2021	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
11/8/2021	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
11/9/2021	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
11/10/2021	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
11/11/2021	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
11/12/2021	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
11/13/2021	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
11/14/2021	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
11/15/2021	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
11/16/2021	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
11/17/2021	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
11/18/2021	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
11/19/2021	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
11/20/2021	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
11/21/2021	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
11/22/2021	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
11/23/2021	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
11/24/2021	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
11/25/2021	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
11/26/2021	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
11/27/2021	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
11/28/2021	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
11/29/2021	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
11/30/2021	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
Totals/ Average:	**0.00**	**44.1**	**0.0**	**0.0**	**0.0**	**0.0**	**1,013.0**	**0.0**
							Maximum:	**0.0**

Notes:

[1]CH_4 content of 44.1 percent (determined from the September 13, 2016 Source Test.
[2]There were 721.00 hours available in November 2021 due to Daylight Savings Time.
BTU/scf= British thermal unit per standard cubic feet
scf= standard cubic feet
scfm= standard cubic feet per minute
MMBTU= million British thermal units
LFG= landfill gas
CH_4= methane
%= percent

OX MOUNTAIN LANDFILL
Half Moon Bay, CA

A-8 Flare Heat Input Rate

MONTH: December-2021

Date	Runtime (hours)	CH_4 (%)[1]	Average Flow (scfm)	Total Flow LFG Volume (scf)	Total Flow LFG Volume Corrected to 50% CH_4	CH_4 Volume (scf)	Heating Value of CH_4 (BTU/scf)	Heat Input (MMBTU/Day)
12/1/2021	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
12/2/2021	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
12/3/2021	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
12/4/2021	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
12/5/2021	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
12/6/2021	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
12/7/2021	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
12/8/2021	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
12/9/2021	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
12/10/2021	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
12/11/2021	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
12/12/2021	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
12/13/2021	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
12/14/2021	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
12/15/2021	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
12/16/2021	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
12/17/2021	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
12/18/2021	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
12/19/2021	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
12/20/2021	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
12/21/2021	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
12/22/2021	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
12/23/2021	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
12/24/2021	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
12/25/2021	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
12/26/2021	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
12/27/2021	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
12/28/2021	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
12/29/2021	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
12/30/2021	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
12/31/2021	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
Totals/ Average:	**0.00**	**44.1**	**0.0**	**0.0**	**0.0**	**0.0**	**1,013.0**	**0.0**
							Maximum:	**0.0**

Notes:

[1]CH_4 content of 44.1 percent (determined from the September 13, 2016 Source Test.
[2]There were 721.00 hours available in November 2021 due to Daylight Savings Time.
BTU/scf= British thermal unit per standard cubic feet
scf= standard cubic feet
scfm= standard cubic feet per minute
MMBTU= million British thermal units
LFG= landfill gas
CH_4= methane
%= percent

OX MOUNTAIN LANDFILL
Half Moon Bay, CA

A-8 Flare Heat Input Rate

MONTH: January-2022

Date	Runtime (hours)	CH_4 (%)[1]	Average Flow (scfm)	Total Flow LFG Volume (scf)	Total Flow LFG Volume Corrected to 50% CH_4	CH_4 Volume (scf)	Heating Value of CH_4 (BTU/scf)	Heat Input (MMBTU/Day)
1/1/2022	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
1/2/2022	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
1/3/2022	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
1/4/2022	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
1/5/2022	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
1/6/2022	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
1/7/2022	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
1/8/2022	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
1/9/2022	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
1/10/2022	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
1/11/2022	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
1/12/2022	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
1/13/2022	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
1/14/2022	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
1/15/2022	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
1/16/2022	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
1/17/2022	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
1/18/2022	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
1/19/2022	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
1/20/2022	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
1/21/2022	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
1/22/2022	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
1/23/2022	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
1/24/2022	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
1/25/2022	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
1/26/2022	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
1/27/2022	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
1/28/2022	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
1/29/2022	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
1/30/2022	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
1/31/2022	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
Totals/ Average:	**0.00**	**44.1**	**0.0**	**0.0**	**0.0**	**0.0**	**1,013.0**	**0.0**
							Maximum:	**0.0**

Notes:

[1]CH_4 content of 44.1 percent (determined from the September 13, 2016 Source Test.
[2]There were 721.00 hours available in November 2021 due to Daylight Savings Time.
BTU/scf= British thermal unit per standard cubic feet
scf= standard cubic feet
scfm= standard cubic feet per minute
MMBTU= million British thermal units
LFG= landfill gas
CH_4= methane
%= percent

OX MOUNTAIN LANDFILL
Half Moon Bay, CA

A-8 Flare Heat Input Rate

MONTH: February-2022

Date	Runtime (hours)	CH_4 (%)[1]	Average Flow (scfm)	Total Flow LFG Volume (scf)	Total Flow LFG Volume Corrected to 50% CH_4	CH_4 Volume (scf)	Heating Value of CH_4 (BTU/scf)	Heat Input (MMBTU/Day)
2/1/2022	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
2/2/2022	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
2/3/2022	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
2/4/2022	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
2/5/2022	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
2/6/2022	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
2/7/2022	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
2/8/2022	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
2/9/2022	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
2/10/2022	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
2/11/2022	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
2/12/2022	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
2/13/2022	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
2/14/2022	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
2/15/2022	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
2/16/2022	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
2/17/2022	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
2/18/2022	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
2/19/2022	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
2/20/2022	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
2/21/2022	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
2/22/2022	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
2/23/2022	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
2/24/2022	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
2/25/2022	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
2/26/2022	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
2/27/2022	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
2/28/2022	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
Totals/ Average:	**0.00**	**44.1**	**0.0**	**0.0**	**0.0**	**0.0**	**1,013.0**	**0.0**
							Maximum:	**0.0**

Notes:

[1]CH_4 content of 44.1 percent (determined from the September 13, 2016 Source Test.
[2]There were 721.00 hours available in November 2021 due to Daylight Savings Time.
BTU/scf= British thermal unit per standard cubic feet
scf= standard cubic feet
scfm= standard cubic feet per minute
MMBTU= million British thermal units
LFG= landfill gas
CH_4= methane
%= percent

OX MOUNTAIN LANDFILL
Half Moon Bay, CA

A-8 Flare Heat Input Rate

MONTH: March-2022

Date	Runtime (hours)[2]	CH_4 (%)[1]	Average Flow (scfm)	Total Flow LFG Volume (scf)	Total Flow LFG Volume Corrected to 50% CH_4	CH_4 Volume (scf)	Heating Value of CH_4 (BTU/scf)	Heat Input (MMBTU/Day)
3/1/2022	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
3/2/2022	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
3/3/2022	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
3/4/2022	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
3/5/2022	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
3/6/2022	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
3/7/2022	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
3/8/2022	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
3/9/2022	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
3/10/2022	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
3/11/2022	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
3/12/2022	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
3/13/2022	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
3/14/2022	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
3/15/2022	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
3/16/2022	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
3/17/2022	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
3/18/2022	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
3/19/2022	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
3/20/2022	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
3/21/2022	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
3/22/2022	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
3/23/2022	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
3/24/2022	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
3/25/2022	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
3/26/2022	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
3/27/2022	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
3/28/2022	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
3/29/2022	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
3/30/2022	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
3/31/2022	0.00	44.1	0.0	0.0	0.0	0.0	1,013.0	0.0
Totals/ Average:	**0.00**	**44.1**	**0.0**	**0.0**	**0.0**	**0.0**	**1,013.0**	**0.0**
							Maximum:	**0.0**

Notes:

[1]CH_4 content of 44.1 percent (determined from the September 13, 2016 Source Test.
[2]There were 743.00 hours available in March 2022 due to Daylight Savings Time.
BTU/scf= British thermal unit per standard cubic feet
scf= standard cubic feet
scfm= standard cubic feet per minute
MMBTU= million British thermal units
LFG= landfill gas
CH_4= methane
%= percent

OX MOUNTAIN LANDFILL
Half Moon Bay, CA

A-9 Flare Heat Input Rate

MONTH: October-2021

Date	Runtime (hours)	CH_4 (%)*	Average Flow (scfm)	Total Flow LFG Volume (scf)	Total Flow LFG Volume Corrected to 50% CH_4	CH_4 Volume (scf)	Heating Value of CH_4 (BTU/scf)	Heat Input (MMBTU/Day)
10/1/2021	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
10/2/2021	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
10/3/2021	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
10/4/2021	0.40	52.6	899.9	21,597.0	23,015.4	11,360.0	1,013.0	**11.5**
10/5/2021	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
10/6/2021	0.27	52.6	1,019.8	16,316.0	17,387.6	8,582.2	1,013.0	8.7
10/7/2021	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
10/8/2021	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
10/9/2021	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
10/10/2021	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
10/11/2021	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
10/12/2021	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
10/13/2021	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
10/14/2021	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
10/15/2021	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
10/16/2021	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
10/17/2021	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
10/18/2021	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
10/19/2021	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
10/20/2021	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
10/21/2021	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
10/22/2021	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
10/23/2021	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
10/24/2021	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
10/25/2021	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
10/26/2021	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
10/27/2021	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
10/28/2021	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
10/29/2021	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
10/30/2021	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
10/31/2021	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
Totals/ Average:	**0.67**	**52.6**	**959.8**	**37,913.0**	**40,403.0**	**19,942.2**	**1,013.0**	**20.2**
							Maximum:	**11.5**

Notes:
*CH_4 content of 52.6 percent determined from the August 6, 2021 Source Test.
scfm= standard cubic feet per minute
BTU/scf= British thermal unit per standard cubic feet
scf= standard cubic feet
MMBTU= million British thermal units
LFG= landfill gas
CH_4= methane
%= percent

OX MOUNTAIN LANDFILL
Half Moon Bay, CA

A-9 Flare Heat Input Rate

MONTH: November-2021

Date	Runtime (hours)[2]	CH_4 (%)[1]	Average Flow (scfm)	Total Flow LFG Volume (scf)	Total Flow LFG Volume Corrected to 50% CH_4	CH_4 Volume (scf)	Heating Value of CH_4 (BTU/scf)	Heat Input (MMBTU/Day)
11/1/2021	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
11/2/2021	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
11/3/2021	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
11/4/2021	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
11/5/2021	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
11/6/2021	4.77	52.6	1,705.7	487,816.0	519,853.8	256,591.2	1,013.0	259.9
11/7/2021	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
11/8/2021	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
11/9/2021	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
11/10/2021	16.20	52.6	1,793.3	1,743,043.0	1,857,519.1	916,840.6	1,013.0	928.8
11/11/2021	24.00	52.6	1,815.7	2,614,554.0	2,786,267.4	1,375,255.4	1,013.0	1,393.1
11/12/2021	18.90	52.6	1,844.9	2,092,148.0	2,229,551.9	1,100,469.8	1,013.0	1,114.8
11/13/2021	0.57	52.6	2,170.1	73,782.0	78,627.7	38,809.3	1,013.0	39.3
11/14/2021	18.77	52.6	2,333.9	2,627,916.0	2,800,507.0	1,382,283.8	1,013.0	**1,400.3**
11/15/2021	10.93	52.6	2,797.1	1,834,912.0	1,955,421.7	965,163.7	1,013.0	977.7
11/16/2021	5.67	52.6	2,101.1	714,376.0	761,293.4	375,761.8	1,013.0	380.6
11/17/2021	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
11/18/2021	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
11/19/2021	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
11/20/2021	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
11/21/2021	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
11/22/2021	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
11/23/2021	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
11/24/2021	0.27	52.6	2,052.9	32,847.0	35,004.3	17,277.5	1,013.0	17.5
11/25/2021	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
11/26/2021	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
11/27/2021	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
11/28/2021	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
11/29/2021	0.90	52.6	2,145.2	115,839.0	123,446.8	60,931.3	1,013.0	61.7
11/30/2021	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
Totals/ Average:	**100.97**	**52.6**	**2,076.0**	**12,337,233.0**	**13,147,493.1**	**6,489,384.6**	**1,013.0**	**6,573.7**
							Maximum:	**1,400.3**

Notes:
[1]CH_4 content of 52.6 percent determined from the August 6, 2021 Source Test.
[2]There were 721.00 hours available in November 2021 due to Daylight Savings Time.
scfm= standard cubic feet per minute
BTU/scf= British thermal unit per standard cubic feet
scf= standard cubic feet
MMBTU= million British thermal units
LFG= landfill gas
CH_4= methane
%= percent

OX MOUNTAIN LANDFILL
Half Moon Bay, CA

A-9 Flare Heat Input Rate

MONTH: December-2021

Date	Runtime (hours)	CH_4 (%)[1]	Average Flow (scfm)	Total Flow LFG Volume (scf)	Total Flow LFG Volume Corrected to 50% CH_4	CH_4 Volume (scf)	Heating Value of CH_4 (BTU/scf)	Heat Input (MMBTU/Day)
12/1/2021	0.57	52.6	2,143.6	72,884.0	77,670.7	38,337.0	1,013.0	38.8
12/2/2021	1.67	52.6	3,228.0	322,799.0	343,999.1	169,792.3	1,013.0	172.0
12/3/2021	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
12/4/2021	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
12/5/2021	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
12/6/2021	2.63	52.6	1,698.0	268,279.0	285,898.5	141,114.8	1,013.0	142.9
12/7/2021	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
12/8/2021	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
12/9/2021	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
12/10/2021	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
12/11/2021	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
12/12/2021	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
12/13/2021	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
12/14/2021	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
12/15/2021	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
12/16/2021	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
12/17/2021	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
12/18/2021	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
12/19/2021	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
12/20/2021	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
12/21/2021	0.53	52.6	1,683.5	53,873.0	57,411.2	28,337.2	1,013.0	28.7
12/22/2021	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
12/23/2021	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
12/24/2021	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
12/25/2021	3.57	52.6	2,408.3	515,381.0	549,229.2	271,090.4	1,013.0	**274.6**
12/26/2021	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
12/27/2021	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
12/28/2021	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
12/29/2021	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
12/30/2021	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
12/31/2021	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
Totals/ Average:	**8.97**	**52.6**	**2,232.3**	**1,233,216.0**	**1,314,208.7**	**648,671.6**	**1,013.0**	**657.1**
							Maximum:	**274.6**

Notes:
[1]CH_4 content of 52.6 percent determined from the August 6, 2021 Source Test.
[2]There were 721.00 hours available in November 2021 due to Daylight Savings Time.
scfm= standard cubic feet per minute
BTU/scf= British thermal unit per standard cubic feet
scf= standard cubic feet
MMBTU= million British thermal units
LFG= landfill gas
CH_4= methane
%= percent

OX MOUNTAIN LANDFILL
Half Moon Bay, CA

A-9 Flare Heat Input Rate

MONTH: January-2022

Date	Runtime (hours)	CH_4 (%)[1]	Average Flow (scfm)	Total Flow LFG Volume (scf)	Total Flow LFG Volume Corrected to 50% CH_4	CH_4 Volume (scf)	Heating Value of CH_4 (BTU/scf)	Heat Input (MMBTU/Day)
1/1/2022	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
1/2/2022	1.10	52.6	1,704.1	112,471.0	119,857.6	59,159.7	1,013.0	**59.9**
1/3/2022	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
1/4/2022	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
1/5/2022	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
1/6/2022	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
1/7/2022	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
1/8/2022	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
1/9/2022	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
1/10/2022	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
1/11/2022	0.43	52.6	1,548.5	40,260.7	42,904.9	21,177.1	1,013.0	21.5
1/12/2022	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
1/13/2022	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
1/14/2022	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
1/15/2022	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
1/16/2022	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
1/17/2022	0.17	52.6	1,395.3	13,953.0	14,869.4	7,339.3	1,013.0	7.4
1/18/2022	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
1/19/2022	0.83	52.6	1,825.1	91,253.0	97,246.1	47,999.1	1,013.0	48.6
1/20/2022	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
1/21/2022	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
1/22/2022	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
1/23/2022	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
1/24/2022	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
1/25/2022	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
1/26/2022	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
1/27/2022	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
1/28/2022	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
1/29/2022	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
1/30/2022	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
1/31/2022	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
Totals/ Average:	**2.53**	**52.6**	**1,618.2**	**257,937.7**	**274,878.0**	**135,675.2**	**1,013.0**	**137.4**
							Maximum:	**59.9**

Notes:
[1]CH_4 content of 52.6 percent determined from the August 6, 2021 Source Test.
[2]There were 721.00 hours available in November 2021 due to Daylight Savings Time.
scfm= standard cubic feet per minute
BTU/scf= British thermal unit per standard cubic feet
scf= standard cubic feet
MMBTU= million British thermal units
LFG= landfill gas
CH_4= methane
%= percent

OX MOUNTAIN LANDFILL
Half Moon Bay, CA

A-9 Flare Heat Input Rate

MONTH: February-2022

Date	Runtime (hours)	CH_4 (%)[1]	Average Flow (scfm)	Total Flow LFG Volume (scf)	Total Flow LFG Volume Corrected to 50% CH_4	CH_4 Volume (scf)	Heating Value of CH_4 (BTU/scf)	Heat Input (MMBTU/Day)
2/1/2022	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
2/2/2022	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
2/3/2022	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
2/4/2022	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
2/5/2022	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
2/6/2022	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
2/7/2022	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
2/8/2022	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
2/9/2022	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
2/10/2022	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
2/11/2022	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
2/12/2022	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
2/13/2022	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
2/14/2022	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
2/15/2022	1.07	52.6	1,650.6	105,636.0	112,573.7	55,564.5	1,013.0	**56.3**
2/16/2022	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
2/17/2022	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
2/18/2022	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
2/19/2022	0.30	52.6	1,848.9	33,281.0	35,466.8	17,505.8	1,013.0	17.7
2/20/2022	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
2/21/2022	0.27	52.6	3,479.3	55,669.0	59,325.1	29,281.9	1,013.0	29.7
2/22/2022	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
2/23/2022	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
2/24/2022	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
2/25/2022	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
2/26/2022	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
2/27/2022	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
2/28/2022	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
Totals/ Average:	**1.63**	**52.6**	**2,326.3**	**194,586.0**	**207,365.6**	**102,352.2**	**1,013.0**	**103.7**
							Maximum:	**56.3**

Notes:
[1]CH_4 content of 52.6 percent determined from the August 6, 2021 Source Test.
[2]There were 721.00 hours available in November 2021 due to Daylight Savings Time.
scfm= standard cubic feet per minute
BTU/scf= British thermal unit per standard cubic feet
scf= standard cubic feet
MMBTU= million British thermal units
LFG= landfill gas
CH_4= methane
%= percent

OX MOUNTAIN LANDFILL
Half Moon Bay, CA

A-9 Flare Heat Input Rate

MONTH: March-2022

Date	Runtime (hours)[2]	CH_4 (%)[1]	Average Flow (scfm)	Total Flow LFG Volume (scf)	Total Flow LFG Volume Corrected to 50% CH_4	CH_4 Volume (scf)	Heating Value of CH_4 (BTU/scf)	Heat Input (MMBTU/Day)
3/1/2022	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
3/2/2022	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
3/3/2022	0.97	52.6	1,656.9	96,101.0	102,412.5	50,549.1	1,013.0	51.2
3/4/2022	15.97	52.6	1,774.8	1,700,292.0	1,811,960.4	894,353.6	1,013.0	**906.0**
3/5/2022	3.43	52.6	1,973.6	406,555.0	433,255.9	213,847.9	1,013.0	216.6
3/6/2022	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
3/7/2022	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
3/8/2022	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
3/9/2022	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
3/10/2022	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
3/11/2022	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
3/12/2022	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
3/13/2022	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
3/14/2022	1.80	52.6	1,414.3	152,739.0	162,770.3	80,340.7	1,013.0	81.4
3/15/2022	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
3/16/2022	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
3/17/2022	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
3/18/2022	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
3/19/2022	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
3/20/2022	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
3/21/2022	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
3/22/2022	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
3/23/2022	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
3/24/2022	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
3/25/2022	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
3/26/2022	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
3/27/2022	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
3/28/2022	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
3/29/2022	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
3/30/2022	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
3/31/2022	0.00	52.6	0.0	0.0	0.0	0.0	1,013.0	0.0
Totals/ Average:	**22.17**	**52.6**	**1,704.9**	**2,355,687.0**	**2,510,399.1**	**1,239,091.4**	**1,013.0**	**1,255.2**
							Maximum:	**906.0**

Notes:
[1]CH_4 content of 52.6 percent determined from the August 6, 2021 Source Test.
[2]There were 743.00 hours available in March 2022 due to Daylight Savings Time.
scfm= standard cubic feet per minute
BTU/scf= British thermal unit per standard cubic feet
scf= standard cubic feet
MMBTU= million British thermal units
LFG= landfill gas
CH_4= methane
%= percent

APPENDIX M

S-12 STOCKPILE OF GREEN WASTE

Ox Mountain Landfill, Half Moon Bay, California

STOCKPILE OF GREEN WASTE

Month	Yard and Green Waste Accepted (Tons)	12-Month Consecutive Total (Tons)*
October-21	**0.00**	**0.00**
November-21	**0.00**	**0.00**
December-21	**0.00**	**0.00**
January-22	**0.00**	**0.00**
February-22	**0.00**	**0.00**
March-22	**0.00**	**0.00**

*The 12-month consecutive total for each month represents the sum of the monthly green waste accepted calculated using the preceding 12 consecutive months.

**As of March 2020, site accepts green waste but have stopped stockpiling and utilizing green waste as beneficial reuse.

APPENDIX N

ANNUAL FLARE SOURCE TESTS

Ox Mountain Landfill

BAAQMD Plant # 2266

Compliance Emissions Test Report #21238

Landfill Gas Flares A-7 and A-9

Located at:
Ox Mountain Landfill
12310 San Mateo Road
Half Moon Bay, California 94019

Prepared for:
Republic Services
3260 Blume Drive, Suite 200
Richmond, California 94806

Attn: Ben Wade
bwade@republicservices.com

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

Attn: Marco Hernandez and Gloria Espena
mhernandez@baaqmd.gov / gespena@baaqmd.gov
sourcetest@baaqmd.gov

Testing Performed on:
August 6th, 2021

Final Report Submitted on:
September 16th, 2021

Performed and Reported by:
Blue Sky Environmental, Inc.
624 San Gabriel Avenue
Albany, California 94706

bluesky@blueskyenvironmental.com
Office (510) 525 1261 / Mobile (510) 508 3469

Blue Sky Environmental, Inc.
624 San Gabriel Avenue
Albany, CA 94706
Phone (510) 525 1261
Cell (510) 508 3469
bluesky@blueskyenvironmental.com

September 16th, 2021

Attn: Ben Wade
Republic Services
Ox Mountain (Los Trancos Canyon) Landfill
12310 San Mateo Road
Half Moon Bay, CA 94019

Subject: Source emission test report for Landfill Gas Flares A-7 and A-9 located at Ox Mountain (Los Trancos Canyon) Landfill in Half Moon Bay, California, to determine compliance with the Bay Area Air Quality Management District (BAAQMD) Title V Permit for Plant #2266, Condition 10164, and BAAQMD Regulation 8, Rule 34.

Flare A-7 – 60 MMBtu/hr industrial landfill gas flare

Flare A-9 – 126 MMBtu/hr industrial landfill gas flare

Test Date(s): Testing was performed on August 6th, 2021.

Sampling Location: Sampling was conducted at the exhaust stack of each 40-60' flare through 4-inch flange ports that were accessible using a boom lift provided by the facility. Ports were available that met EPA Method 1 minimum criteria of two stack diameters downstream from the nearest disturbance and 0.5 stack diameters from the nearest disturbance or exhaust.

Sampling Personnel: Sampling was performed by Jeramie Richardson and Timothy Eandi of Blue Sky Environmental, Inc. Nat Isreal of Tetra Tech, Inc. was on site to operate the flares and ensure that the flare controls and charts were functioning properly.

Observing Personnel: BAAQMD was notified of the scheduled source test in a test plan submitted on July 23rd, 2021 (NST# 6664 and 6665); however, no agency observers were present during the test program.

Process Description: Ox Mountain (Los Trancos Canyon) Landfill is an active multi-material landfill with a gas collection system (S-1) that is abated by two landfill gas flares (A-7 and A-9). The flares are maintained above the permitted minimum temperature of 1,400°F. The flare temperatures and landfill gas fuel flows are continuously recorded by the facility at two minute intervals, and the data for the test period was downloaded and used in this report.

Test Program: The test program objective was to demonstrate compliance with emission limits specified in the BAAQMD Title V Permit for Plant #2266. This testing also satisfies requirements of BAAQMD Regulation 8, Rule 34 limits that came into effect on July 1, 2002, and the 99% Destruction Efficiency of Landfill Methane requirement that was finalized in 2010.

Three consecutive 30-minute gaseous emissions tests were performed for nitrogen oxides (NO_X), carbon monoxide (CO), oxygen (O_2), carbon dioxide (CO_2), methane (CH_4) and non-methane hydrocarbons (NMOC) at the exhaust stack of each flare. The sampling system was checked for leaks before the start of the testing, by plugging the sample probe and observing the sample

rotameter flow drop to zero. Analyzer external calibrations were performed before and after each run using EPA protocol certified gas standards. A NO_X analyzer converter efficiency check was performed before the first test run and found to be greater than 90%.

Concurrent with the exhaust sampling, Blue Sky Environmental collected a total of three LFG samples from each flare for CH_4, C_2-C_{6+} hydrocarbons, NMOC, CO_2, O_2, CO, and N_2 analysis. The samples were collected in 6-liter Silco canisters and analyzed by Atmospheric Analysis and Consulting, Inc. in Ventura, California. Results were used to determine fuel BTU and Fd-factor and calculate destruction/removal efficiencies. The samples were also analyzed to for total reduced sulfur (TRS) compounds by ASTM D5504 and EPA TO-15 volatile organic compounds.

The LFG methane concentration was added to the NMOC results to determine the inlet total hydrocarbons (THC). The THC value was used to calculate the THC destruction efficiency. The LFG flowrate, BTU and F-Factor were used with the flare exhaust $\%O_2$ concentration to determine the emission flowrate using EPA Method 19.

The TRS/H_2S analysis of the landfill gas was used to calculate the stack SO_2 concentration and emissions rate.

Sampling and Analysis Methods: The following U.S. Environmental Protection Agency (EPA) and ASTM sampling and analytical methods were used:

EPA Method 1	Sample and Traverse Point Determination
EPA Method 3A	O_2 and CO_2, Stack Gas Molecular Weight
EPA Method 7E	NO_X Emissions and NO_2 Converter Efficiency
EPA Method 10	CO Emissions
EPA Method 25A/ALT-097	CH_4 and NMOC Emissions
EPA Method 19	Calculation of Stack Gas Flow Rate
EPA Method 4	Moisture
EPA Method 25C	NMHC in landfill gas
ASTM D1945/3588	Fuel analysis for BTU and F-Factor
ASTM D5504	Fuel analysis for TRS and H_2S by GC
EPA Method TO-15	Fuel analysis for VOC Species by GCMS

The sampling and analysis methods are summarized below:

EPA Method 1 – Sample and Velocity Traverses for Stationary Sources
This method is used to determine the duct or stack area and appropriate traverse points that represent equal areas of the duct for sampling and velocity measurements.

EPA Method 3A – Determination of Oxygen and Carbon Dioxide Concentrations in Emissions from Stationary Sources (Instrumental Analyzer Procedure)
This method is used to measure oxygen and carbon dioxide in stationary source emissions using a continuous instrumental analyzer to determine the molecular weight of the stack gas.

EPA Method 7E – Determination of Nitrogen Oxides Emissions from Stationary Sources (Instrumental Analyzer Procedure)
This method is used to measure nitrogen oxides in stationary source emissions using a continuous instrumental analyzer. Section 16.2.2 of the method is used to determine the NO_X analyzer NO_2 to NO conversion efficiency.

EPA Method 10 – Determination of Carbon Monoxide Emissions from Stationary Sources
This method is used to measure carbon monoxide from integrated or continuous gas samples extracted from a sampling point.

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

The sampling and analytical system is checked for linearity with zero, mid (40-60%) and high span (80-100%) calibrations and is checked for system bias at the beginning and end of each run. System bias is determined by introducing calibration gas to the probe and pulling it through the entire sampling system. Individual test run calibrations use the calibration gas that most closely matches the stack gas effluent. All calibrations during testing are performed externally to incorporate any system bias that may exist. Sampling system bias, zero and calibration drift values are determined for each test. EPA Methods 3A, 7E and 10 all defer to EPA Method 7E for the calculations of effluent concentration, span, calibration gas, analyzer calibration error (linearity), sampling system bias, zero drift, calibration drift and response time.

All calibration gases are EPA Protocol #1. The analyzer data recording system consists of a Honeywell DPR3000 strip chart recorder supported by a Data Acquisition System (DAS).

EPA Method 4 – Determination of Moisture Content in Stack Gas
This method is used to determine the moisture content of stack gas. The sample is extracted and condensed in Greenburg-Smith impingers immersed in an ice bath and in a final impinger silica gel trap. The moisture is condensed in a solution of de-ionized water, or solutions of another type of sampling train if the moisture is being determined as part of another sampling method, such as EPA Method 5, SCAQMD Method 201.7 or BAAQMD ST-32. The moisture gain in the impinger solutions and silica gel is determined volumetrically and gravimetrically respectively. QA/QC procedures require that a minimum of 21 cubic feet of sample is pulled using a leak tight pump. The sample volume is measured with a calibrated dry gas meter. The impingers are immersed in an ice bath to maintain a gas outlet temperature of less than 68°F. Pre-test leak checks are performed for each run using a minimum 15 inches of mercury vacuum. Post-test leak checks are performed at the highest sample vacuum or greater. The leak test is acceptable if the leak rate is less than 0.02 cubic feet per minute or 4% of the average sampling rate, whichever is less. If the final leak check exceeds the criteria, either the volume is corrected based on the leak rate or the run is voided and repeated.

EPA Method 25A/ALT-097 – Determination of Total Gaseous Organic Concentration using a Flame Ionization Analyzer
This method is used to measure total hydrocarbons, methane, and non-methane hydrocarbons in stationary source emissions using a gas chromatograph with a flame ionization detector (GC/FID). Heated Teflon sample gas transfer lines are used to provide a continuous sample to the heated GC/FID hydrocarbon analyzer. Heated lines are used to avoid moisture or hydrocarbon condensation.

The sampling and analytical system is checked for linearity with zero, low (25-35%), mid (45-55%), and high (80-90%) span calibrations. All calibrations during testing are performed externally to incorporate any system bias that may exist. Sampling system bias, zero and calibration drift values are determined for each test. All data is corrected according to the method.

EPA Method 25C – Determination of Nonmethane Organic Compounds (NMOC) in Landfill Gas

This method is used to sample and measure NMOC in landfill gases. The method is written for evacuated tank sampling but is adaptable to Tedlar bag sampling procedures. The sampling equipment consists of a stainless steel or glass lined probe with a short stainless-steel or Teflon transfer line to a Tedlar bag housed in a sealed chamber. The chamber is evacuated by pump at a prescribed rate for the test duration and the Tedlar bag capacity, so the sample is integrated over the test period. The sample is injected into a GC column where the methane and CO_2 are flushed through and removed then the NMOC (ROC) fraction is oxidized to form CO_2 then reduced to methane and analyzed.

EPA Method 19 – Determination of Sulfur Dioxide Removal Efficiency and Particulate Matter, Sulfur Dioxide, and Nitrogen Oxide Emission Rates

This method is used to determine stack gas volumetric flow rates using oxygen-based F-factors. F-factors are ratios of combustion gas volumes to heat inputs. The heating value of the fuel in Btu per cubic foot is determined from analysis of fuel gas samples using ASTM D1946/1945 gas chromatography analytical procedures. The total cubic feet per hour of fuel multiplied times the Btu/cf provides million Btu per hour (MMBtu) heat input. The heat input in MMBtu/hr is multiplied by the F-factor (DSCF/MMBtu) and adjusted for the measured oxygen content of the source to determine volumetric flow rate. The flow rates are used to determine emission rates.

ASTM D1945 – Analysis of Natural Gas by Gas Chromatography

This method is used to measure fixed gases (such as oxygen, nitrogen, carbon monoxide, and carbon dioxide) and methane by gas chromatography (GC/TCD). Light hydrocarbons, including C1-C7, are analyzed by GC/FID.

ASTM D-3588 – Standard Practice for Calculating Heat Value, Compressibility Factor, and Relative Density of Gaseous Fuels

This method uses the molar composition of gaseous fuel determined from Method ASTM D-1945 to calculate the heating value and F-factor.

ASTM D-5504 – Determination of Sulfur Compounds in Natural Gas and Gaseous Fuels by Gas Chromatography and Chemiluminescence

This method is used for the determination of speciated volatile sulfur-containing compounds in high methane content gaseous fuels by gas chromatography. Sulfur compounds are processed using a flame ionization detector (GC/FID). The products are then analyzed with a sulfur chemiluminescence detector (GC/SCD). Samples may be collected in Tedlar bags and analyzed within 24 hours or in Silco SUMMA canisters and analyzed within 7 days.

EPA Compendium Method TO-15 – Determination of Toxic Organic Compounds in Ambient Air

This method is used to measure volatile organic compounds that are included in the hazardous air pollutants (HAPs) listed in Title III of the Clean Air Act Amendments of 1990 by GC/MS (gas chromatography/mass spectroscopy). Samples are collected in pre-evacuated 6-Liter SUMMA

canisters with pre-set flow controllers set to integrate over the desired test duration. The SUMMA® passivated canisters allow holding times up to 14 days for the TO-15 Method list of volatile organics. The sample gas is drawn by the canister vacuum through a micro-filter, pre-set orifice flow controller and on/off valve into the canister. The canister vacuum is monitored with a vacuum gauge to verify sample collection. The flow controller consisted of capillary orifice tubing designed to sample for a pre-set duration of 0.75hrs.

Instrumentation: The following continuous emissions analyzers were used:

Instrument	Analyte	Principle
TECO Model 42C	NO_X	Chemiluminescence
TECO Model 48C	CO	GFC/IR
TECO Model 55C	CH_4/NMOC	FID
Servomex Model 1400	CO_2	Infrared (IR)
Servomex Model 1400	O_2	Paramagnetic

Test Results: The compliance summary is presented below. Detailed source test emission results are provided in Tables 1-4. All measured test parameters were in compliance with permit limits.

Compliance Summary – Flare A-7

Emission Parameter	Average Results Flare A-7	Permit Limits	Compliance Status
NO_X ppm @ 3% O_2	34.9	39	In Compliance
NO_X lbs/MMBtu	0.046	0.052	In Compliance
CO ppm @ 3%O_2	130.1	184	In Compliance
CO lbs/MMBtu	0.104	0.15	In Compliance
NMOC ppm as CH_4 @ 3% O_2	<2.8	30 ppm or >98% DRE	In Compliance
NMOC Destruction Efficiency, %	>97.40		
THC Destruction Efficiency, %	>99.97	>98%	In Compliance
CH_4 Destruction Efficiency, %	>99.97	>99%	In Compliance

Compliance Summary – Flare A-9

Emission Parameter	Average Results Flare A-9	Permit Limits	Compliance Status
NO_X ppm @ 3% O_2	34.3	39	In Compliance
NO_X lbs/MMBtu	0.045	0.052	In Compliance
CO ppm @ 3%O_2	145.5	184	In Compliance
CO lbs/MMBtu	0.116	0.15	In Compliance
NMOC ppm as CH_4 @ 3% O_2	<3.3	30 ppm or >98% DRE	In Compliance
NMOC Destruction Efficiency, %	>97.66		
THC Destruction Efficiency, %	>99.91	>98%	In Compliance
CH_4 Destruction Efficiency, %	99.92	>99%	In Compliance

The appendices are organized as follows:

Calculations
: All calculations performed using the continuous emissions monitoring (CEM) data and flow rate calculations

Laboratory Reports
: All laboratory reports and chain of custody documents

Field Data Sheets
: All CEMS data transcribed from the strip charts or computer-generated process data

Process Data
: Flare temperature and landfill gas fuel flow

Calibration Gas Certificates
: Certifications for the calibration gas standards

Equipment Calibrations
: Calibration records for equipment used (e.g., S-type pitot tubes, dry gas meters, rotameters)

Stack Diagram
: Sketch or photographs of the sampling location and stack configuration

Sample System Diagram
: Schematic of the sampling system configuration

Permit/Authority to Construct
: Permit to Operate / Authority to Construct

Source Test Plan
: Sampling protocols submitted to the AQMD/APCD prior to testing

Comments: This source test was performed in accordance with the protocol submitted to BAAQMD. No deviations from the protocol or anomalies were observed during testing.

The work performed herein was conducted under my supervision, and I certify that:

a) the details and results contained within this report are to the best of my knowledge an authentic and accurate representation of the test program,

b) that the sampling and analytical procedures and data presented in the report is authentic and accurate,

c) that all testing details and conclusions are accurate and valid, and

d) that the production rate and/or heat input rate during the source test are reported accurately.

If there are any questions concerning this report, please contact Jeramie Richardson at (810) 923-3181, Chuck Arrivas at (925) 338-4875 or Guy Worthington at (510) 508-3469.

Prepared by,

Anne Richardson

Reviewed by,

Julie Wose-Jennings

TABLE #1

Ox Mountain Landfill
Landfill Gas Flare (A-7)
1,542°F

Parameter	Run 1	Run 2	Run 3	Average Results	Permit Limits
Test Date	8/6/21	8/6/21	8/6/21		
Test Time	0846-0927	1015-1053	1126-1205		
Standard Temperature, °F	70	70	70	70	
Flare Temperature, °F	1,541	1,545	1,541	1,542	
Fuel:					
Fuel Flow Rate, dscfm	1,433	1,442	1,454	1,443	
Fuel Fd-Factor @ 68°F	9,448	9,444	9,444	9,446	
TRS as H_2S, ppm *(ASTM D5504)*	353	211	179	248	265
Stack Gas:					
Exhaust Flow Rate, dscfm *(EPA Method 19)*	19,666	19,967	18,951	19,528	
Oxygen (O_2), % volume dry	14.1	14.2	13.8	14.0	
Carbon Dioxide (CO_2), % volume dry	5.9	6.1	6.1	6.0	
Carbon Dioxide, lb/hr	7,947	8,331	7,841	8,040	
Water Vapor (H_2O), %	7.9	8.4	7.5	7.9	
NO_X Emissions (reported as NO_2):					
NO_X, ppm	12.9	13.4	13.9	13.4	
NOx, ppm @ 3% O_2	34.0	35.7	35.0	34.9	39
NOx, lb/hr	1.81	1.91	1.88	1.87	
NOx, lb/day	43.3	45.9	45.2	44.8	
NOx, lb/MMBtu	0.045	0.047	0.046	0.046	0.052
CO Emissions:					
CO, ppm	32.0	52.5	66.1	50.2	
CO, ppm @ 3% O_2	84.5	139.5	166.2	130.1	184
CO, lb/hr	2.74	4.55	5.44	4.24	
CO, lb/day	65.7	109.2	130.6	101.8	
CO, lb/MMBtu	0.068	0.112	0.133	0.104	0.15
THC Emissions (reported as CH_4):					
THC ppm wet	<11.0	<11.0	<11.0	<11.0	
THC, ppm	<11.9	<12.0	<11.9	<11.9	
THC, lb/hr	<0.583	<0.595	<0.559	<0.579	
THC Destruction Efficiency, %	>99.97%	>99.97%	>99.97%	>99.97%	>98%
Methane (CH_4) Emissions:					
CH_4, ppm wet	<10.0	<10.0	<10.0	<10.0	
CH_4, ppm	<10.9	<10.9	<10.8	<10.9	
CH_4, lb/hr	<0.530	0.541	<0.509	<0.526	
CH_4 Destruction Efficiency	>99.97%	>99.97%	>99.97%	>99.97%	>99%
NMOC Emissions:					
NMOC, ppm wet	<1.0	<1.0	<1.0	<1.0	
NMOC, ppm	<1.1	<1.1	<1.1	<1.1	
NMOC, ppm @ 3% O_2	<2.9	<2.9	<2.7	<2.8	30*
NMOC, lb/hr	<0.053	<0.054	<0.051	<0.053	
NMOC Destruction Efficiency, %	>97.65%	>97.16%	>97.33%	>97.40%	>98%*
SO_2 Emissions:					
SO_2, ppm *(calculated)*	25.7	15.2	13.7	18.2	
SO_2, lb/hr	69.0	41.9	33.7	48.2	
Inlet Hydrocarbons (reported as CH_4):					
THC, ppm	479,635	480,531	478,527	479,564	
THC, lb/hr	1,706	1,721	1,727	1,718	
CH_4, ppm *(ASTM D1945)*	479,000	480,000	478,000	479,000	
CH_4 lb/hr	1,704	1,719	1,725	1,716	
NMOC, ppm *(EPA Method 25C)*	635	531	527	564	
NMOC lb/hr	2.3	1.9	1.9	2.0	

WHERE:
ppm = parts per million concentration by volume expressed on a dry gas basis
lb/hr = pound per hour emission rate
Tstd. = standard temperature (°R = °F+460)
MW = molecular weight
DSCFM = dry standard cubic feet per minute
NO_X = oxides of nitrogen, reported as NO_2 (MW = 46)
CO = carbon monoxide (MW = 28)
CH_4 = methane (MW = 16)
THC = total hydrocarbons including methane, reported as methane
NMOC = non-methane organic compounds, reported as methane
H_2S= Hydrogen Sulfide

CALCULATIONS:
ppm dry = ppm wet · 100 / (100 - H_2O%)
ppm @ 3% O_2 = ppm · 17.9 / (20.9 - %O_2)
lb/hr = ppm · 8.223 E-05 · DSCFM · MW / Tstd. °R
lb/day = lb/hr · 24
lb/MMBtu = Fd · MW · ppm · 2.59E-9 · 20.9/(20.9 - %O_2)
THC (TOC) Removal Efficiency = (inlet lbs/hr- outlet lbs/hr) / inlet lbs/hr
SO_2, calculated = H_2S · Inlet DSCFM / Exhaust DSCFM
<Value = <2% of analyzer range

** >98% NMOC DRE or <30 ppm NMHC @ 3% O_2*

TABLE #2

Ox Mountain Landfill
Landfill Gas Flare (A-7)
Permit TACs - Conditon 10164 Part 22b

Compound	Method	Units	Landfill Gas Samples			Average	Permit Limits (ppbv)
			A-7 LFG1	A-7 LFG2	A-7 LFG3		
1,1,1-Trichloroethane	EPA TO-15	ppb	<39.4	<39.6	<39.7	<39.6	500
1,1,2,2-Tetrachloroethane	EPA TO-15	ppb	<39.4	<39.6	<39.7	<39.6	50
1,1-Dichloroethane (Ethylidene Dichloride)	EPA TO-15	ppb	<39.4	<39.6	<39.7	<39.6	50
1,1-Dichloroethene (Vinylidene Chloride)	EPA TO-15	ppb	<39.4	<39.6	<39.7	<39.6	500
1,2-Dichloroethane (Ethylene Dichloride)	EPA TO-15	ppb	<39.4	<39.6	<39.7	<39.6	400
2-Propanol (IPA)	EPA TO-15	ppb	332	375	383	363	60,000
Acrylonitrile	EPA TO-15	ppb	<158	<158	<159	<158	100
Carbon Disulfide	EPA TO-15	ppb	<158	<158	<159	<158	500
Carbon Tetrachloride	EPA TO-15	ppb	<39.4	<39.6	<39.7	<39.6	50
Chlorobenzene	EPA TO-15	ppb	<39.4	<39.6	<39.7	<39.6	500
Chloroethane (Ethyl Chloride)	EPA TO-15	ppb	<39.4	<39.6	<39.7	<39.6	1,000
Chloroform	EPA TO-15	ppb	<39.4	<39.6	<39.7	<39.6	50
1,4-Dichlorobenzene	EPA TO-15	ppb	178	135	137	150	900
Dichloromethane (Methylene Chloride)	EPA TO-15	ppb	<78.9	<79.1	<79.4	<79.1	1,000
Ethyl Benzene	EPA TO-15	ppb	2,030	2,120	2,050	2,067	7,000
1,2 Dibromoethane (Ethylene Dibromide)	EPA TO-15	ppb	<39.4	<39.6	<39.7	<39.6	50
Hexane	EPA TO-15	ppb	185	223	203	204	5,000
2-Butanone (MEK)	EPA TO-15	ppb	1,740	1,710	1,740	1,730	40,000
Tetrachloroethylene (Perchloroethylene)	EPA TO-15	ppb	<39.4	<39.6	<39.7	<39.6	600
Trichloroethylene (TCE)	EPA TO-15	ppb	<39.4	<39.6	<39.7	<39.6	400
Toluene	EPA TO-15	ppb	2,130	1,910	1,900	1,980	30,000
Benzene	EPA TO-15	ppb	541	502	505	516	3,000
m,p-Xylene	EPA TO-15	ppb	2,510	2,300	2,370	2,393	
o-Xylene	EPA TO-15	ppb	757	674	721	717	
Xylenes	EPA TO-15	ppb	3,267	2,974	3,091	3,111	30,000
Vinyl Chloride	EPA TO-15	ppb	<39.4	<39.6	<39.7	<39.6	300

TABLE #3

Ox Mountain Landfill
Landfill Gas Flare (A-9)
1,468°F

Parameter	Run 1	Run 2	Run 3	Average Results	Permit Limits
Test Date	8/6/21	8/6/21	8/6/21		
Test Time	1443-1523	1556-1636	1604-1644		
Standard Temperature, °F	70	70	70	70	
Flare Temperature, °F	1,463	1,472	1,468	1,468	
Fuel:					
Fuel Flow Rate, dscfm	1,512	1,534	1,535	1,527	
Fuel Fd-Factor @ 68°F	9,420	9,391	9,418	9,410	
TRS as H_2S, ppm *(ASTM D5504)*	223	203	151	192	265
Stack Gas:					
Exhaust Flow Rate, dscfm *(EPA Method 19)*	27,205	25,419	26,953	26,525	
Oxygen (O_2), % volume dry	15.3	14.7	15.1	15.0	
Carbon Dioxide (CO_2), % volume dry	4.9	5.4	5.0	5.1	
Carbon Dioxide, lb/hr	9,107	9,449	9,160	9,239	
Water Vapor (H_2O), %	6.3	6.1	8.7	7.1	
NO_X Emissions (reported as NO_2):					
NO_X, ppm	11.9	11.8	10.0	11.2	
NOx, ppm @ 3% O_2	37.9	33.8	31.2	34.3	39
NOx, lb/hr	2.32	2.13	1.93	2.13	
NOx, lb/day	55.6	51.2	46.3	51.0	
NOx, lb/MMBtu	0.050	0.044	0.041	0.045	0.052
CO Emissions:					
CO, ppm	51.0	41.4	49.9	47.4	
CO, ppm @ 3% O_2	162.0	119.0	155.5	145.5	184
CO, lb/hr	6.03	4.57	5.85	5.48	
CO, lb/day	144.6	109.7	140.3	131.6	
CO, lb/MMBtu	0.129	0.095	0.124	0.116	0.15
THC Emissions (reported as CH_4):					
THC ppm wet	<28.1	<25.2	<20.4	<24.6	
THC, ppm	<30.0	<26.8	<22.3	<26.4	
THC, lb/hr	<2.028	<1.691	<1.492	<1.737	
THC Destruction Efficiency, %	>99.90%	>99.92%	>99.92%	>99.91%	>98%
Methane (CH_4) Emissions:					
CH_4, ppm wet	27.1	24.2	19.4	23.6	
CH_4, ppm	29.0	25.7	21.2	25.3	
CH_4, lb/hr	1.956	1.624	1.419	1.666	
CH_4 Destruction Efficiency	99.90%	99.92%	99.93%	99.92%	>99%
NMOC Emissions (reported as CH_4):					
NMOC, ppm wet	<1.0	<1.0	<1.0	<1.0	
NMOC, ppm	<1.1	<1.1	<1.1	<1.1	
NMOC, ppm @ 3% O_2	<3.4	<3.1	<3.4	<3.3	30*
NMOC, lb/hr	<0.072	<0.067	<0.073	<0.071	
NMOC Destruction Efficiency, %	>97.59%	>97.71%	>97.67%	>97.66%	>98%*
SO_2 Emissions:					
SO_2, ppm *(calculated)*	12.4	12.3	8.6	11.1	
SO_2, lb/hr	60.3	51.3	40.5	50.7	
Inlet Hydrocarbons (reported as CH_4):					
THC, ppm	523,798	534,772	521,824	526,798	
THC, lb/hr	1,966	2,037	1,989	1,997	
CH_4, ppm *(ASTM D1945)*	523,000	534,000	521,000	526,000	
CH_4 lb/hr	1,963	2,034	1,985	1,994	
NMOC, ppm *(EPA Method 25C)*	798	772	824	798	
NMOC lb/hr	3.0	2.9	3.1	3.0	

WHERE:
ppm = parts per million concentration by volume expressed on a dry gas basis
lb/hr = pound per hour emission rate
Tstd. = standard temperature (°R = °F+460)
MW = molecular weight
DSCFM = dry standard cubic feet per minute
NO_X = oxides of nitrogen, reported as NO_2 (MW = 46)
CO = carbon monoxide (MW = 28)
CH_4 = methane (MW = 16)
THC = total hydrocarbons including methane, reported as methane
NMOC = non-methane organic compounds, reported as methane
H_2S= Hydrogen Sulfide

CALCULATIONS:
ppm dry = ppm wet · 100 / (100 - H_2O%)
ppm @ 3% O_2 = ppm · 17.9 / (20.9 - %O_2)
lb/hr = ppm · 8.223 E-05 · DSCFM · MW / Tstd. °R
lb/day = lb/hr · 24
lb/MMBtu = Fd · MW · ppm · 2.59E-9 · 20.9/(20.9 - %O_2)
THC (TOC) Removal Efficiency = (inlet lbs/hr- outlet lbs/hr) / inlet lbs/hr
SO_2, calculated = H_2S · Inlet DSCFM / Exhaust DSCFM
<Value = <2% of analyzer range

** >98% NMOC DRE or <30 ppm NMHC @ 3% O_2*

TABLE # 4

Ox Mountain Landfill
Landfill Gas Flare (A-9)
Permit TACs - Conditon 10164 Part 22b

Compound	Method	Units	Landfill Gas Samples			Average Results	Permit Limits (ppbv)
			A-9 LFG1	A-9 LFG2	A-9 LFG3		
1,1,1-Trichloroethane	EPA TO-15	ppb	<41.2	<41.4	<42.9	<41.8	500
1,1,2,2-Tetrachloroethane	EPA TO-15	ppb	<41.2	<41.4	<42.9	<41.8	50
1,1-Dichloroethane (Ethylidene Dichloride	EPA TO-15	ppb	<41.2	<41.4	<42.9	<41.8	50
1,1-Dichloroethene (Vinylidene Chloride)	EPA TO-15	ppb	<41.2	<41.4	<42.9	<41.8	500
1,2-Dichloroethane (Ethylene Dichloride)	EPA TO-15	ppb	79.1	86.1	48.0	71.1	400
2-Propanol (IPA)	EPA TO-15	ppb	1,640	2,390	1,760	1,930	60,000
Acrylonitrile	EPA TO-15	ppb	<165	<166	<172	<168	100
Carbon Disulfide	EPA TO-15	ppb	<165	<166	<172	<168	500
Carbon Tetrachloride	EPA TO-15	ppb	<41.2	<41.4	<42.9	<41.8	50
Chlorobenzene	EPA TO-15	ppb	<41.2	<41.4	<42.9	<41.8	500
Chloroethane (Ethyl Chloride)	EPA TO-15	ppb	<41.2	<41.4	<42.9	<41.8	1,000
Chloroform	EPA TO-15	ppb	<41.2	<41.4	<42.9	<41.8	50
1,4-Dichlorobenzene	EPA TO-15	ppb	160	96.1	<42.9	99.7	900
Dichloromethane (Methylene Chloride)	EPA TO-15	ppb	<82.4	<82.8	<85.8	<83.7	1,000
Ethyl Benzene	EPA TO-15	ppb	1,730	1,310	448	1,163	7,000
1,2 Dibromoethane (Ethylene Dibromide)	EPA TO-15	ppb	<41.2	<41.4	<42.9	<41.8	50
Hexane	EPA TO-15	ppb	199	<41.4	126	122	5,000
2-Butanone (MEK)	EPA TO-15	ppb	4,390	4,560	2,230	3,727	40,000
Tetrachloroethylene (Perchloroethylene)	EPA TO-15	ppb	<41.2	43.1	<42.9	<42.4	600
Trichloroethylene (TCE)	EPA TO-15	ppb	<41.2	<41.4	<42.9	<41.8	400
Toluene	EPA TO-15	ppb	1,670	2,110	860	1,547	30,000
Benzene	EPA TO-15	ppb	335	386	148	290	3,000
m,p-Xylene	EPA TO-15	ppb	2,420	1,800	544	1,588	
o-Xylene	EPA TO-15	ppb	752	621	186	520	
Xylenes	EPA TO-15	ppb	3,172	2,421	730	2,108	30,000
Vinyl Chloride	EPA TO-15	ppb	<41.2	<41.4	<42.9	<41.8	300

APPENDICES

Calculations

Laboratory Reports

Field Data Sheets

Process Information

Calibration Gas Certificates

Equipment Calibrations

Stack Diagram

Sample System Diagram

Permit/Authority to Construct

Source Test Plan

Calculations

BLUE SKY ENVIRONMENTAL, INC

PRELIMINARY CEM SYSTEM QA/QC SUMMARY SHEET

Facility: Ox Mountain Landfill Date: 8/6/21

Location: Flare (A-7) Personnel: JR

Parameter	O_2	CO_2	NO_X	CO			Comments
Analyzer	1440	1440	42C	48C			
Instrument Range	25	15	25	150			
Units	%	%	ppm	ppm			
EPA Range (high span)	20.66	12.43	22.79	124.4			
Low Cal Value	0	0	0	0			EPA 20 & 25A only
Cylinder #	--	--	--	--			
Mid Cal Value	14.52	8.186	12.29	85.34			
Cylinder #	EB0142219	EB0142219	CC403746	EB0085482			
High Cal Value	20.66	12.43	22.79	124.4			
Cylinder #	ALM057915	ALM057915	CC418952	CC449821			

LINEARITY

Low Cal (internal)	0.17	0.05	0.08	0.40			zero gas
Abs. Difference	0.17	0.05	0.08	0.40			
% Linearity	**0.82**	**0.40**	**0.35**	**0.32**			**<2%**
Mid Cal (internal)	14.47	8.32	12.52	83.86			
Abs. Difference	-0.05	0.13	0.23	-1.48			
% Linearity	**-0.24**	**1.08**	**1.01**	**-1.19**			**<2%**
High Cal (internal)	20.49	12.36	23.11	123.46			
Abs. Difference	-0.17	-0.07	0.32	-0.94			
% Linearity	**-0.82**	**-0.56**	**1.40**	**-0.76**			**<2%**

Initial SYSTEM BIAS Check

Zero (internal)	0.17	0.05	0.08	0.40			
Zero (external)	0.08	0.03	0.09	0.00			
Abs. Difference	-0.09	-0.02	0.01	-0.40			
bias, % range	**-0.44**	**-0.16**	**0.04**	**-0.32**			EPA 20/6C/7E (±5%)
Cal (internal)	14.47	8.32	12.52	83.86			
Cal (external)	14.38	8.26	12.36	83.92			
Abs. Difference	-0.09	-0.06	-0.16	0.06			
bias, % range	**-0.44**	**-0.48**	**-0.70**	**0.05**			EPA 20/6C/7E (±5%)

SYSTEM RESPONSE TIME (secs)

time from ext. zero to ext. cal, or ext. cal to ext. zero (95% response)

Zero to Cal	60	60	60	60			
Cal to Zero	60	60	60	60			

System Cal. Bias (Limit ± 5%) = $\frac{100 \cdot (\text{External cal - Internal cal})}{\text{Span Range}}$

% Linearity (Limit ± 2%) = $\frac{100 \cdot (\text{Cal gas value - Internal cal})}{\text{Span Range}}$

% Efficiency (Limit >95%) = $\frac{100 \cdot NO_2 \text{ response}}{NO_2 \text{ cal gas value}}$

NO_2 Converter Test

NO_2 cal gas value =	12.59 ppm
Analyzer NOx Response =	>12.07 ppm
Efficiency % =	>95.9 %

BLUE SKY ENVIRONMENTAL, INC

CEM BIAS CORRECTION SUMMARY

Facility:	Ox Mountain Landfill	Barometric:	29.9
Unit:	Flare (A-7)	Leak Check:	OK
Condition:	1,542°F	Strat. Check:	OK
Date:	8/6/21	Personnel:	JR

	O_2	CO_2	NO_X	CO				
Analyzer	1440	1440	42C	48C				
Instrument Range	25	15	25	150				r
Units	%	%	ppm	ppm				r
EPA Range (high Span)	20.66	12.43	22.79	124.4				
Span Gas Value	14.52	8.186	12.29	85.34				Ccal
Initial (int. zero)	0.17	0.05	0.08	0.40				
Initial (int. cal)	14.47	8.32	12.52	83.86				
Run 1	0.08	0.03	0.09	0.00				zero (initial), Cib
Test Time:	14.38	8.26	12.36	83.92				cal (initial), Cib
0846-0927	14.06	5.98	12.88	31.67				TEST AVG, Cavg
	0.24	0.05	0.16	0.01				zero (final), Cfb
	14.53	8.26	12.27	84.88				cal (final), Cfb
EPA 3%	*0.8%*	*0.2%*	*0.3%*	*0.0%*				% zero drift
EPA 3%	*0.7%*	*0.0%*	*-0.4%*	*0.6%*				% cal drift
EPA 5%	*0.3%*	*0.0%*	*0.3%*	*-0.3%*				% zero bias
EPA 5%	*0.3%*	*-0.5%*	*-1.0%*	*0.7%*				% cal bias
	14.12	**5.92**	**12.86**	**32.0**				**Cgas**
Run 2	0.24	0.05	0.16	0.01				zero (initial), Cib
Test Time:	14.53	8.26	12.27	84.88				cal (initial), Cib
1015-1053	14.18	6.18	13.49	51.93				TEST AVG, Cavg
	0.02	0.04	0.08	-0.11				zero (final), Cfb
	14.53	8.27	12.46	84.11				cal (final), Cfb
EPA 3%	*-1.1%*	*-0.1%*	*-0.3%*	*-0.1%*				% zero drift
EPA 3%	*0.0%*	*0.1%*	*0.8%*	*-0.5%*				% cal drift
EPA 5%	*-0.7%*	*-0.1%*	*0.0%*	*-0.3%*				% zero bias
EPA 5%	*0.3%*	*-0.4%*	*-0.2%*	*0.2%*				% cal bias
	14.17	**6.11**	**13.42**	**52.5**				**Cgas**
Run 3	0.02	0.04	0.08	-0.11				zero (initial), Cib
Test Time:	14.53	8.27	12.46	84.11				cal (initial), Cib
1126-1205	13.79	6.07	14.17	65.47				TEST AVG, Cavg
	0.35	0.03	0.07	-0.43				zero (final), Cfb
	14.52	8.11	12.56	85.12				cal (final), Cfb
EPA 3%	*1.6%*	*-0.1%*	*0.0%*	*-0.2%*				% zero drift
EPA 3%	*0.0%*	*-1.3%*	*0.4%*	*0.7%*				% cal drift
EPA 5%	*0.9%*	*-0.2%*	*0.0%*	*-0.6%*				% zero bias
EPA 5%	*0.2%*	*-1.7%*	*0.2%*	*0.8%*				% cal bias
	13.78	**6.06**	**13.93**	**66.1**				**Cgas**

Pollutant Concentration (Cgas) = (Cavg - Co) · Ccal / (Cbcal - Co)
Zero and Calibration Drift = 100 · (Cfb - Cib) / r
Bias = 100 · (Cfb - Ca) / r

Co = (Cib + Cfb) / 2 for zero gas
Cbcal = (Cib + Cfb) / 2 for cal gas
Cib (CARB = pre-first run) (EPA = pre-run)

BLUE SKY ENVIRONMENTAL, INC

CEM CORRECTION SUMMARY

Facility:	Ox Mountain Landfill	Barometric:	29.9
Unit:	Flare (A-7)	Leak Check:	OK
Condition:	1,542°F	Strat. Check:	OK
Date:	8/6/21	Personnel:	JR

	NMHC	Linearity	Error	CH_4	Linearity	Error	Comments
Analyzer	55C	55C		55C	55C		
Range	50	50		500	500		
Units, ppm or %	ppm	ppm	%	ppm	ppm	%	
Span High Value	44.88	43.68	-2.67	446.0	453.0	1.56	< 5%
Cylinder #	CC351437	-		CC351437	-		
Span Mid Value	**25.623**	24.79	-3.25	**250.2**	253.1	1.14	< 5%
Cylinder #	**CC420360**	-		**CC420360**	-		
Span Low Value	14.226	13.80	-2.99	149.1	147.0	-1.40	< 5%
Cylinder #	EB0108874	-		EB0108874	-		

Run 1	0.07			3.08			zero (initial), Zi
Test Time:	24.79			253.1			upscale cal (initial), Si
0846-0927	-0.05			2.6			TEST AVG
	0.12			7.54			zero (final), Zf
	24.84			248.0			upscale cal (final), Sf
EPA 3%	*0.1%*			*1.0%*			zero drift
EPA 3%	*0.1%*			*-1.1%*			cal drift
	-0.15			**-2.8**			**CORRECTED AVG**

Run 2	0.12			7.54			zero (initial), Zi
Test Time:	24.84			248.0			upscale cal (initial), Si
1015-1053	-0.05			2.8			TEST AVG
	0.11			8.30			zero (final), Zf
	24.68			247.4			upscale cal (final), Sf
EPA 3%	*0.0%*			*0.2%*			zero drift
EPA 3%	*-0.4%*			*-0.1%*			cal drift
	-0.17			**-5.3**			**CORRECTED AVG**

Run 3	0.11			8.30			zero (initial), Zi
Test Time:	24.68			247.4			upscale cal (initial), Si
1126-1205	-0.05			3.2			TEST AVG
	0.14			5.90			zero (final), Zf
	24.91			248.9			upscale cal (final), Sf
EPA 3%	*0.1%*			*-0.5%*			zero drift
EPA 3%	*0.5%*			*0.3%*			cal drift
	-0.18			**-4.0**			**CORRECTED AVG**

CALIBRATION ERROR (Linearity) = 100 · (Measured Response - Span Gas Value) / Span Gas Value LIMIT 5%

ZERO DRIFT % = 100 · (Zf - Zi) / Instrument Range LIMIT 3%

SPAN DRIFT % = 100 · (Sf - Si) / Instrument Range LIMIT 3%

CORRECTED VALUE = [Test Avg. - ((Zi + Zf) / 2)] · Span Gas Value / [((Si + Sf) / 2)-((Zi + Zf) / 2)]

STACK MOISTURE DETERMINATION

EPA Method 4

Facility: Ox Mountain Landfill
Unit: Flare (A-7)
Condition: 1,542°F
Date: 8/6/21

	Run 1	Run 2	Run 3	
Test Time	0846-0927	1015-1053	1126-1205	
Uncorrected Meter Volume (Vm)	20.768	21.741	22.041	ft^3
Meter Factor (Yd)	1.0208	1.0208	1.0208	
Barometric Pressure (Pb)	29.9	29.9	29.9	"Hg
Meter Pressure (ΔH)	1.8	1.8	1.8	"H_2O
Meter Temperature (Tm)	68.8	75.3	82.5	°F
Standard Temperature (Tstd)	70	70	70	°F
Impinger H_2O Gain (Vw imp)	34.2	37.7	35.3	g
Silica Gel Wt. Gain (Vw sg)	4.5	4.8	2.5	g
Total H_2O Gain (Vw)	38.7	42.5	37.8	g
Moisture Vapor (Vw std)	1.830	2.010	1.788	ft^3
Std. Meter Volume (Vm std)	**21.327**	**22.055**	**22.064**	**DSCF**
Percent of H_2O in Stack	**7.9**	**8.4**	**7.5**	**%**

WHERE:
ft^3 = cubic foot
H_2O = water
Hg = mercury
°F = Fahrenheit
ml = milliliter
g = gram
% = percent

CALCULATIONS:
Vw std = 0.00267 · Vw · (Tstd + 460) / 29.92
Vm std = Vm · Yd · (Tstd + 460) · (Pb + (ΔH/13.6)) / (Tm + 460) / 29.92
Stack moisture H_2O % = 100 · Vw std / (Vw std + Vm std)

BLUE SKY ENVIRONMENTAL, INC

STACK GAS FLOW RATE DETERMINATION

EPA Method 19

Facility: Ox Mountain Landfill
Unit: Flare (A-7)
Condition: 1,542°F
Date: 8/6/21

	Run 1	Run 2	Run 3	
Test Time	0846-0927	1015-1053	1126-1205	
# cubic feet/rev	1,432.8	1,442.4	1,453.5	ft^3
# of seconds/rev	60	60	60	seconds
Gas Line Pressure (PSIG)	0.0	0.0	0.0	PSI Gauge
Gas Line Pressure (PSIA)	14.7	14.7	14.7	PSI Absolute
Gross Calorific Value @ 60°F	478.5	479.5	477.5	Btu / ft^3
Stack Oxygen	14.1	14.2	13.8	%
Gas Fd-Factor @ 60°F	9,305	9,301	9,301	dscf/MMBtu
Gas Temperature	70	70	70	°F
Standard Temperature (Tstd)	70	70	70	°F
Realtime Fuel Rate	1,432.8	1,442.4	1,453.5	cfm
Corrected Fuel Rate @ Tstd	1,432.8	1,442.4	1,453.5	scfm
Fuel Flowrate	85,965	86,546	87,213	scfh
Million Btu per minute	0.673	0.679	0.681	MMBtu/min
Heat Input	40.36	40.72	40.86	MMBtu/hr
Stack Gas Flow Rate @ Tstd	**19,666**	**19,967**	**18,951**	**dscfm**

WHERE:
Gas Fd-Factor = Fuel conversion factor (ratio of combustion gas volumes to heat inputs)
MMBtu = Million Btu

CALCULATIONS:

SCFM = CFM · 528 · (PSIA) / 14.7 / (gas°F + 460)
SCFH = SCFM · 60
MMBtu/min = (SCFM · Btu/ft^3) / 1,000,000
MMBtu/hr heat input = MMBtu/min · 60
DSCFM = Gas Fd-Factor · MMBtu/min · 20.9/ (20.9 - O_2%)

BLUE SKY ENVIRONMENTAL, INC

Fd-FACTOR CALCULATION

Landfill Gas

Facility: Ox Mountain Landfill
Unit: Flare (A-7)
Sample ID: A-7 LFG1
Date: 8/6/2021

	Molecular Weight	Ideal Gas Specific Gravity, G_i	Ideal Gas Total Calorific Value, H_i	Compressibility Summation Factor, $\sqrt{b_i}$	Specific Volume, ft^3/lb	PPM %	Composition Mole Fraction, x_i	Specific Gravity Fraction, x_iG_i	Calorific Value Fraction, x_iH_i	Compressibility Fraction, $x_i\sqrt{b_i}$	x_iMW	Weight Fraction, $x_iMW / \Sigma x_iMW$	CARBON Weight Fraction	HYDROGEN Weight Fraction	OXYGEN Weight Fraction	NITROGEN Weight Fraction	SULFUR Weight Fraction	CHONS SUM	Specific Volume, ft^3/lb
Helium‡	4.00	0.1382	0.0	-0.0170		**0.0**	**0.0000**	0.0000	0.0	0.0000	0.0000	0.0000							
Hydrogen (H_2) ‡	2.02	0.0696	324.9		187.723	**<1.6**	**0.0000**	0.0000	0.0	0.0000	0.0000							0.0000	
Nitrogen	28.01	0.9672	0.0	0.0164	13.443	**14.6**	**0.1460**	0.1412	0.0	0.0024	4.0895	0.1465				0.1465		0.1465	1.9688
Oxygen	32.00	1.1053	0.0		11.819	**2.6**	**0.0260**	0.0287	0.0	0.0000	0.8320	0.0298			0.0298			0.0298	0.3522
Carbon Monoxide	28.01	0.9671	321.3	0.0217	13.506	**<0.2**	**0.0000**	0.0000	0.0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000
Carbon Dioxide‡	44.01	1.5194	0.0	0.0640	8.548	**34.8**	**0.3480**	0.5288	0.0	0.0223	15.3155	0.5485	0.1497	0.0000	0.3988			0.5485	4.6885
Methane	16.04	0.5539	1012.0	0.0436	23.565	**47.9**	**0.4790**	0.2653	484.7	0.0209	7.6832	0.2752	0.2060	0.0692				0.2752	6.4841
Ethane (C_2)	30.01	1.0382	1772.9	0.0917	12.455	19.9	**0.0000**	0.0000	0.0	0.0000	0.0006	0.0000	0.0000	0.0000				0.0000	0.0003
Propane (C_3)	44.09	1.5224	2523.0	0.1342	8.365	24.7	**0.0000**	0.0000	0.1	0.0000	0.0011	0.0000	0.0000	0.0000				0.0000	0.0003
Isobutane (C_4)	58.12	2.0067	3260.1	0.1744	6.321	6.7	**0.0000**	0.0000	0.0	0.0000	0.0004	0.0000	0.0000	0.0000				0.0000	0.0001
n-Butane	58.12	2.0067	3269.6	0.1825	6.321		**0.0000**	0.0000	0.0	0.0000	0.0000	0.0000	0.0000	0.0000				0.0000	0.0000
Isopentane (C_5)	72.14	2.4910	4009.4	0.2276	5.252	2.8	**0.0000**	0.0000	0.0	0.0000	0.0002	0.0000	0.0000	0.0000				0.0000	0.0000
n-Pentane	72.14	2.4910	4018.5	0.2377	5.252		**0.0000**	0.0000	0.0	0.0000	0.0000	0.0000	0.0000	0.0000				0.0000	0.0000
Hexanes (C_6)	86.17	2.9753	4758.0	0.2830	4.398	4.1	**0.0000**	0.0000	0.0	0.0000	0.0004	0.0000	0.0000	0.0000				0.0000	0.0001
C_6+	86.17	2.9753	4758.0	0.2830	4.398	133	**0.0001**	0.0004	0.6	0.0000	0.0115	0.0004	0.0005	0.0001				0.0005	0.0018
Total							0.9991	**0.964**	**484.9**	0.0456	27.9227	1.0000	0.3558	0.0692	0.4286	0.1465	0.0000	1.0000	**13.49**
								SG	**Btu/ft^3**	**$\Sigma x_i\sqrt{b_i}$**	**ΣxiMW**		**35.58%**	**6.92%**	**42.86%**	**14.65%**	**0.00%**		**ft^3/lb**
													35.58%	**6.92%**	**42.86%**	**14.65%**	**0.00%**		

%H_2Osat @60°F *(ASTM 3588, eqn 14)* **1.744**

‡ Omitted from Compressibility Factor Calculation

Calculated Specific Gravity (SG) *(Air = 1.000 @ 760mm Hg, 60°F)* **0.964**

Compressibility Factor (Z) **0.9979**

$Z = 1 - [(\Sigma x_i \sqrt{b_i})^2 + (2x_H - x_H^2)(0.0005)]$

Specific Gravity (corrected) **0.966**

Specific Volume, (SV) ft^3/lb **13.49** **ft^3/lb**

Gross Calorific Value (GCV) **485.9** **Btu/ft^3 Gross @ 68°F**
478.5 **Btu/ft^3 Gross @ 60°F**

Gross Calorific Value (GCV) *Btu/lb = Btu/ft^3 * ft^3/lb* **6,557** **Btu/lb @ 68°F**
Gross Calorific Value, wet (GCVw) *GCV * (1-H2O) (ASTM D-3588, eqn 14)* **6,443** **Btu/lb @ 68°F**

Gas Fd-Factor *(EPA Method 19, eqn 19-13)* **9,448** **DSCF/MMBtu @ 68°F**
*DSCF/MMBtu = 10^6 * ((3.64*%H_2)+(1.53*%C)+(0.57*%S)+(0.14*%N_2)-(0.46*%O_2)) / Btu/lb* **9,305** **DSCF/MMBtu @ 60°F**

Gas Fw-Factor *(EPA Method 19, eqn 19-14)* **11,540** **SCF/MMBtu @ 68°F**
*DSCF/MMBtu = 10^6 * ((5.57*%H_2)+(1.53*%C)+(0.57*%S)+(0.14*%N_2)-(0.46*%O_2)+(0.21*%H2O)) / Btu/lb(GCVw)*

BLUE SKY ENVIRONMENTAL, INC

Fd-FACTOR CALCULATION

Landfill Gas

Facility: Ox Mountain Landfill
Unit: Flare (A-7)
Sample ID: A-7 LFG2
Date: 8/6/2021

	Molecular Weight	Ideal Gas Specific Gravity, G_i	Ideal Gas Total Calorific Value, H_i	Compressibility Summation Factor, $\sqrt{b_i}$	Specific Volume, ft^3/lb	PPM / %	Composition Mole Fraction, x_i	Specific Gravity Fraction, x_iG_i	Calorific Value Fraction, x_iH_i	Compressibility Fraction, $x_i\sqrt{b_i}$	x_iMW	Weight Fraction, $\xi_i MW / \Sigma x_i MW$	CARBON Weight Fraction	HYDROGEN Weight Fraction	OXYGEN Weight Fraction	NITROGEN Weight Fraction	SULFUR Weight Fraction	CHONS SUM	Specific Volume, ft^3/lb
Helium‡	4.00	0.1382	0.0	-0.0170		**0.0**	**0.0000**	0.0000	0.0	0.0000	0.0000	0.0000							
Hydrogen (H_2) ‡	2.02	0.0696	324.9		187.723	**<1.6**	**0.0000**	0.0000	0.0	0.0000	0.0000							0.0000	
Nitrogen	28.01	0.9672	0.0	0.0164	13.443	**14.6**	**0.1460**	0.1412	0.0	0.0024	4.0895	0.1466				0.1466		0.1466	1.9708
Oxygen	32.00	1.1053	0.0		11.819	**2.6**	**0.0260**	0.0287	0.0	0.0000	0.8320	0.0298			0.0298			0.0298	0.3525
Carbon Monoxide	28.01	0.9671	321.3	0.0217	13.506	**<0.2**	**0.0000**	0.0000	0.0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000
Carbon Dioxide‡	44.01	1.5194	0.0	0.0640	8.548	**34.7**	**0.3470**	0.5272	0.0	0.0222	15.2715	0.5475	0.1494	0.0000	0.3981			0.5475	4.6798
Methane	16.04	0.5539	1012.0	0.0436	23.565	**48.0**	**0.4800**	0.2659	485.8	0.0209	7.6992	0.2760	0.2067	0.0694				0.2760	6.5042
Ethane (C_2)	30.01	1.0382	1772.9	0.0917	12.455	5.2	**0.0000**	0.0000	0.0	0.0000	0.0002	0.0000	0.0000	0.0000				0.0000	0.0001
Propane (C_3)	44.09	1.5224	2523.0	0.1342	8.365	24.2	**0.0000**	0.0000	0.1	0.0000	0.0011	0.0000	0.0000	0.0000				0.0000	0.0003
Isobutane (C_4)	58.12	2.0067	3260.1	0.1744	6.321	6.7	**0.0000**	0.0000	0.0	0.0000	0.0004	0.0000	0.0000	0.0000				0.0000	0.0001
n-Butane	58.12	2.0067	3269.6	0.1825	6.321		**0.0000**	0.0000	0.0	0.0000	0.0000	0.0000	0.0000	0.0000				0.0000	0.0000
Isopentane (C_5)	72.14	2.4910	4009.4	0.2276	5.252	3.0	**0.0000**	0.0000	0.0	0.0000	0.0002	0.0000	0.0000	0.0000				0.0000	0.0000
n-Pentane	72.14	2.4910	4018.5	0.2377	5.252		**0.0000**	0.0000	0.0	0.0000	0.0000	0.0000	0.0000	0.0000				0.0000	0.0000
Hexanes (C_6)	86.17	2.9753	4758.0	0.2830	4.398	4.4	**0.0000**	0.0000	0.0	0.0000	0.0004	0.0000	0.0000	0.0000				0.0000	0.0001
C_6+	86.17	2.9753	4758.0	0.2830	4.398	134	**0.0001**	0.0004	0.6	0.0000	0.0115	0.0004	0.0005	0.0001				0.0005	0.0018
Total							0.9990	**0.963 SG**	**485.9 Btu/ft³**	0.0455 **$\Sigma x_i\sqrt{b_i}$**	27.8943 **ΣxiMW**	1.0000	0.3561 **35.61%**	0.0694 **6.94%**	0.4279 **42.79%**	0.1466 **14.66%**	0.0000 **0.00%**	1.0000	**13.51 ft³/lb**
%H_2Osat @60°F *(ASTM 3588, eqn 14)*					**1.744**								**35.61%**	**6.94%**	**42.79%**	**14.66%**	**0.00%**		

‡ Omitted from Compressibility Factor Calculation

Calculated Specific Gravity (SG) *(Air = 1.000 @ 760mm Hg, 60°F)* **0.963**

Compressibility Factor (Z) **0.9979**

$Z = 1 - [(\Sigma x_i \sqrt{b_i})^2 + (2x_H - x_H^2)(0.0005)]$

Specific Gravity (corrected) **0.965**

Specific Volume, (SV) ft^3/lb **13.51** **ft^3/lb**

Gross Calorific Value (GCV) **486.9** **Btu/ft^3 Gross @ 68°F**
479.5 **Btu/ft^3 Gross @ 60°F**

Gross Calorific Value (GCV) *Btu/lb = Btu/ft^3 * ft^3/lb* **6,577** **Btu/lb @ 68°F**
Gross Calorific Value, wet (GCVw) *GCV * (1-H2O) (ASTM D-3588, eqn 14)* **6,462** **Btu/lb @ 68°F**

Gas Fd-Factor *(EPA Method 19, eqn 19-13)* **9,444** **DSCF/MMBtu @ 68°F**
*DSCF/MMBtu = 10^6 * ((3.64*%H_2)+(1.53*%C)+(0.57*%S)+(0.14*%N_2)-(0.46*%O_2)) / Btu/lb* **9,301** **DSCF/MMBtu @ 60°F**

Gas Fw-Factor *(EPA Method 19, eqn 19-14)* **11,536** **SCF/MMBtu @ 68°F**
*DSCF/MMBtu = 10^6 * ((5.57*%H_2)+(1.53*%C)+(0.57*%S)+(0.14*%N_2)-(0.46*%O_2)+(0.21*%H2O)) / Btu/lb(GCVw)*

BLUE SKY ENVIRONMENTAL, INC

Fd-FACTOR CALCULATION

Landfill Gas

Facility: Ox Mountain Landfill
Unit: Flare (A-7)
Sample ID: A-7 LFG3
Date: 8/6/2021

	Molecular Weight	Ideal Gas Specific Gravity, G_i	Ideal Gas Total Calorific Value, H_i	Compressibility Summation Factor, $\sqrt{b_i}$	Specific Volume, ft^3/lb	PPM %	Composition Mole Fraction, x_i	Specific Gravity Fraction, x_iG_i	Calorific Value Fraction, x_iH_i	Compressibility Fraction, $x_i\sqrt{b_i}$	x_iMW	Weight Fraction, $\xi_i MW / \Sigma x_i MW$	CARBON Weight Fraction	HYDROGEN Weight Fraction	OXYGEN Weight Fraction	NITROGEN Weight Fraction	SULFUR Weight Fraction	CHONS SUM	Specific Volume, ft^3/lb
Helium‡	4.00	0.1382	0.0	-0.0170		**0.0**	**0.0000**	0.0000	0.0	0.0000	0.0000	0.0000							
Hydrogen (H_2) ‡	2.02	0.0696	324.9		187.723	**<1.6**	**0.0000**	0.0000	0.0	0.0000	0.0000							0.0000	
Nitrogen	28.01	0.9672	0.0	0.0164	13.443	**14.6**	**0.1460**	0.1412	0.0	0.0024	4.0895	0.1461				0.1461		0.1461	1.9638
Oxygen	32.00	1.1053	0.0		11.819	**2.6**	**0.0260**	0.0287	0.0	0.0000	0.8320	0.0297			0.0297			0.0297	0.3513
Carbon Monoxide	28.01	0.9671	321.3	0.0217	13.506	**<0.2**	**0.0000**	0.0000	0.0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000
Carbon Dioxide‡	44.01	1.5194	0.0	0.0640	8.548	**35.0**	**0.3500**	0.5318	0.0	0.0224	15.4035	0.5502	0.1502	0.0000	0.4001			0.5502	4.7034
Methane	16.04	0.5539	1012.0	0.0436	23.565	**47.8**	**0.4780**	0.2648	483.7	0.0208	7.6671	0.2739	0.2051	0.0688				0.2739	6.4540
Ethane (C_2)	30.01	1.0382	1772.9	0.0917	12.455	4.3	**0.0000**	0.0000	0.0	0.0000	0.0001	0.0000	0.0000	0.0000				0.0000	0.0001
Propane (C_3)	44.09	1.5224	2523.0	0.1342	8.365	28.9	**0.0000**	0.0000	0.1	0.0000	0.0013	0.0000	0.0000	0.0000				0.0000	0.0004
Isobutane (C_4)	58.12	2.0067	3260.1	0.1744	6.321	6.7	**0.0000**	0.0000	0.0	0.0000	0.0004	0.0000	0.0000	0.0000				0.0000	0.0001
n-Butane	58.12	2.0067	3269.6	0.1825	6.321		**0.0000**	0.0000	0.0	0.0000	0.0000	0.0000	0.0000	0.0000				0.0000	0.0000
Isopentane (C_5)	72.14	2.4910	4009.4	0.2276	5.252	2.3	**0.0000**	0.0000	0.0	0.0000	0.0002	0.0000	0.0000	0.0000				0.0000	0.0000
n-Pentane	72.14	2.4910	4018.5	0.2377	5.252		**0.0000**	0.0000	0.0	0.0000	0.0000	0.0000	0.0000	0.0000				0.0000	0.0000
Hexanes (C_6)	86.17	2.9753	4758.0	0.2830	4.398	3.4	**0.0000**	0.0000	0.0	0.0000	0.0003	0.0000	0.0000	0.0000				0.0000	0.0000
C_6+	86.17	2.9753	4758.0	0.2830	4.398	139	**0.0001**	0.0004	0.7	0.0000	0.0120	0.0004	0.0005	0.0001				0.0006	0.0019
Total							1.0000	**0.967 SG**	**483.9 Btu/ft³**	0.0456 **$\Sigma x_i\sqrt{b_i}$**	27.9943 **ΣxiMW**	1.0000	0.3553 **35.53%**	0.0689 **6.89%**	0.4298 **42.98%**	0.1461 **14.61%**	0.0000 **0.00%**	1.0000	**13.47 ft^3/lb**
													35.53%	**6.89%**	**42.98%**	**14.61%**	**0.00%**		

%H_2Osat @60°F *(ASTM 3588, eqn 14)* **1.744**

‡ Omitted from Compressibility Factor Calculation

Calculated Specific Gravity (SG) *(Air = 1.000 @ 760mm Hg, 60°F)* **0.967**

Compressibility Factor (Z) **0.9979**

$Z = 1 - [(\Sigma x_i \sqrt{b_i})^2 + (2x_H - x_H^2)(0.0005)]$

Specific Gravity (corrected) **0.969**

Specific Volume, (SV) ft^3/lb **13.47** **ft^3/lb**

Gross Calorific Value (GCV) **484.9** **Btu/ft^3 Gross @ 68°F**
477.5 **Btu/ft^3 Gross @ 60°F**

Gross Calorific Value (GCV) *Btu/lb = Btu/ft^3 * ft^3/lb* **6,533** **Btu/lb @ 68°F**
Gross Calorific Value, wet (GCVw) *GCV * (1-H2O) (ASTM D-3588, eqn 14)* **6,419** **Btu/lb @ 68°F**

Gas Fd-Factor *(EPA Method 19, eqn 19-13)* **9,444** **DSCF/MMBtu @ 68°F**
*DSCF/MMBtu = 10^6 * ((3.64*%H_2)+(1.53*%C)+(0.57*%S)+(0.14*%N_2)-(0.46*%O_2)) / Btu/lb* **9,301** **DSCF/MMBtu @ 60°F**

Gas Fw-Factor *(EPA Method 19, eqn 19-14)* **11,535** **SCF/MMBtu @ 68°F**
*DSCF/MMBtu = 10^6 * ((5.57*%H_2)+(1.53*%C)+(0.57*%S)+(0.14*%N_2)-(0.46*%O_2)+(0.21*%H2O)) / Btu/lb(GCVw)*

BLUE SKY ENVIRONMENTAL, INC

PRELIMINARY CEM SYSTEM QA/QC SUMMARY SHEET

Facility: Ox Mountain Landfill Date: 8/6/21

Location: Flare (A-9) Personnel: JR

Parameter	O_2	CO_2	NO_X	CO			Comments
Analyzer	1440	1440	42C	48C			
Instrument Range	25	15	25	150			
Units	%	%	ppm	ppm			
EPA Range (high span)	20.66	12.43	22.79	124.4			
Low Cal Value	0	0	0	0			EPA 20 & 25A only
Cylinder #	--	--	--	--			
Mid Cal Value	14.52	8.186	12.29	85.34			
Cylinder #	EB0142219	EB0142219	CC403746	EB0085482			
High Cal Value	20.66	12.43	22.79	124.4			
Cylinder #	ALM057915	ALM057915	CC418952	CC449821			

LINEARITY

Low Cal (internal)	0.17	0.05	0.08	0.40			zero gas
Abs. Difference	0.17	0.05	0.08	0.40			
% Linearity	**0.82**	**0.40**	**0.35**	**0.32**			**<2%**
Mid Cal (internal)	14.47	8.32	12.52	83.86			
Abs. Difference	-0.05	0.13	0.23	-1.48			
% Linearity	**-0.24**	**1.08**	**1.01**	**-1.19**			**<2%**
High Cal (internal)	20.49	12.36	23.11	123.46			
Abs. Difference	-0.17	-0.07	0.32	-0.94			
% Linearity	**-0.82**	**-0.56**	**1.40**	**-0.76**			**<2%**

Initial SYSTEM BIAS Check

Zero (internal)	0.17	0.05	0.08	0.40			
Zero (external)	0.35	0.03	0.07	-0.43			
Abs. Difference	0.18	-0.02	-0.01	-0.83			
bias, % range	**0.87**	**-0.16**	**-0.04**	**-0.67**			EPA 20/6C/7E (±5%)
Cal (internal)	14.47	8.32	12.52	83.86			
Cal (external)	14.52	8.11	12.56	85.12			
Abs. Difference	0.05	-0.21	0.04	1.26			
bias, % range	**0.24**	**-1.69**	**0.18**	**1.01**			EPA 20/6C/7E (±5%)

SYSTEM RESPONSE TIME (secs)

time from ext. zero to ext. cal, or ext. cal to ext. zero (95% response)

Zero to Cal	60	60	60	60			
Cal to Zero	60	60	60	60			

System Cal. Bias (Limit ± 5%) = $\frac{100 \cdot (\text{External cal - Internal cal})}{\text{Span Range}}$

% Linearity (Limit ± 2%) = $\frac{100 \cdot (\text{Cal gas value - Internal cal})}{\text{Span Range}}$

% Efficiency (Limit >95%) = $\frac{100 \cdot NO_2 \text{ response}}{NO_2 \text{ cal gas value}}$

NO_2 Converter Test

NO_2 cal gas value =	12.59 ppm
Analyzer NOx Response =	>12.07 ppm
Efficiency % =	>95.9 %

BLUE SKY ENVIRONMENTAL, INC

CEM BIAS CORRECTION SUMMARY

Facility:	Ox Mountain Landfill	Barometric:	29.9
Unit:	Flare (A-9)	Leak Check:	OK
Condition:	1,468°F	Strat. Check:	OK
Date:	8/6/21	Personnel:	JR

	O_2	CO_2	NO_X	CO				
Analyzer	1440	1440	42C	48C				
Instrument Range	25	15	25	150				r
Units	%	%	ppm	ppm				r
EPA Range (high Span)	20.66	12.43	22.79	124.4				
Span Gas Value	14.52	8.186	12.29	85.34				Ccal
Initial (int. zero)	0.17	0.05	0.08	0.40				
Initial (int. cal)	14.47	8.32	12.52	83.86				
Run 1	0.35	0.03	0.07	-0.43				zero (initial), Cib
Test Time:	14.52	8.11	12.56	85.12				cal (initial), Cib
1443-1523	15.26	4.97	12.28	51.16				TEST AVG, Cavg
	0.11	0.10	0.26	-0.12				zero (final), Cfb
	14.53	8.38	12.72	86.50				cal (final), Cfb
EPA 3%	*-1.2%*	*0.6%*	*0.8%*	*0.2%*				% zero drift
EPA 3%	*0.0%*	*2.2%*	*0.6%*	*0.9%*				% cal drift
EPA 5%	*-0.3%*	*0.4%*	*0.7%*	*-0.3%*				% zero bias
EPA 5%	*0.3%*	*0.5%*	*0.8%*	*1.8%*				% cal bias
	15.27	**4.90**	**11.93**	**50.99**				**Cgas**
Run 2	0.11	0.10	0.26	-0.12				zero (initial), Cib
Test Time:	14.53	8.38	12.72	86.50				cal (initial), Cib
1556-1636	14.67	5.52	12.15	41.83				TEST AVG, Cavg
	0.08	0.04	0.12	-0.10				zero (final), Cfb
	14.51	8.15	12.65	86.15				cal (final), Cfb
EPA 3%	*-0.1%*	*-0.5%*	*-0.6%*	*0.0%*				% zero drift
EPA 3%	*-0.1%*	*-1.9%*	*-0.3%*	*-0.2%*				% cal drift
EPA 5%	*-0.4%*	*-0.1%*	*0.2%*	*-0.3%*				% zero bias
EPA 5%	*0.2%*	*-1.4%*	*0.5%*	*1.5%*				% cal bias
	14.67	**5.45**	**11.76**	**41.41**				**Cgas**
Run 3	0.08	0.04	0.12	-0.10				zero (initial), Cib
Test Time:	14.51	8.15	12.65	86.15				cal (initial), Cib
1604-1644	15.19	4.97	10.37	50.86				TEST AVG, Cavg
	0.19	0.07	0.43	-0.01				zero (final), Cfb
	14.61	8.12	12.64	87.74				cal (final), Cfb
EPA 3%	*0.5%*	*0.2%*	*1.2%*	*0.1%*				% zero drift
EPA 3%	*0.5%*	*-0.2%*	*0.0%*	*1.1%*				% cal drift
EPA 5%	*0.1%*	*0.2%*	*1.4%*	*-0.3%*				% zero bias
EPA 5%	*0.7%*	*-1.6%*	*0.5%*	*2.6%*				% cal bias
	15.15	**4.98**	**10.03**	**49.94**				**Cgas**

Pollutant Concentration (Cgas) = (Cavg - Co) · Ccal / (Cbcal - Co)
Zero and Calibration Drift = 100 · (Cfb - Cib) / r
Bias = 100 · (Cfb - Ca) / r

Co = (Cib + Cfb) / 2 for zero gas
Cbcal = (Cib + Cfb) / 2 for cal gas
Cib (CARB = pre-first run) (EPA = pre-run)

BLUE SKY ENVIRONMENTAL, INC

CEM CORRECTION SUMMARY

Facility:	Ox Mountain Landfill	Barometric:	29.9
Unit:	Flare (A-9)	Leak Check:	OK
Condition:	1,468°F	Strat. Check:	OK
Date:	8/6/21	Personnel:	JR

	NMHC	Linearity	Error	CH_4	Linearity	Error	Comments
Analyzer	55C	55C		55C	55C		
Range	50	50		500	500		
Units, ppm or %	ppm	ppm	%	ppm	ppm	%	
Span High Value	44.88	43.68	-2.67	446.0	453.0	1.56	< 5%
Cylinder #	CC351437	-		CC351437			
Span Mid Value	**25.623**	24.79	-3.25	**250.2**	253.1	1.14	< 5%
Cylinder #	**CC420360**	-		**CC420360**			
Span Low Value	14.226	13.80	-2.99	149.9	147.0	-1.93	< 5%
Cylinder #	EB0108874	-		EB0108874			

Run 1	0.14			5.90			zero (initial), Zi
Test Time:	24.91			248.9			upscale cal (initial), Si
1443-1523	0.45			27.1			TEST AVG
	-0.01			7.70			zero (final), Zf
	24.67			250.4			upscale cal (final), Sf
EPA 3%	*-0.3%*			*0.4%*			zero drift
EPA 3%	*-0.5%*			*0.3%*			cal drift
	0.40			**21.0**			**CORRECTED AVG**

Run 2	-0.01			7.70			zero (initial), Zi
Test Time:	24.67			250.4			upscale cal (initial), Si
1556-1636	0.48			24.2			TEST AVG
	0.02			4.50			zero (final), Zf
	24.54			251.1			upscale cal (final), Sf
EPA 3%	*0.1%*			*-0.7%*			zero drift
EPA 3%	*-0.3%*			*0.2%*			cal drift
	0.49			**18.5**			**CORRECTED AVG**

Run 3	0.02			4.50			zero (initial), Zi
Test Time	24.54			251.1			upscale cal (initial), Si
1604-1644	0.26			19.4			TEST AVG
	-0.04			3.79			zero (final), Zf
	24.49			249.7			upscale cal (final), Sf
EPA 3%	*-0.1%*			*-0.2%*			zero drift
EPA 3%	*-0.1%*			*-0.3%*			cal drift
	0.28			**15.5**			**CORRECTED AVG**

CALIBRATION ERROR (Linearity) = 100 · (Measured Response - Span Gas Value) / Span Gas Value LIMIT 5%

ZERO DRIFT % = 100 · (Zf - Zi) / Instrument Range LIMIT 3%

SPAN DRIFT % = 100 · (Sf - Si) / Instrument Range LIMIT 3%

CORRECTED VALUE = [Test Avg. - ((Zi + Zf) / 2)] · Span Gas Value / [((Si + Sf) / 2)-((Zi + Zf) / 2)]

STACK MOISTURE DETERMINATION

EPA Method 4

Facility: Ox Mountain
Unit: Flare A-9
Condition: Normal
Date: 8/5/20

	Run 1	Run 2	Run 3	
Test Time	1443-1523	1556-1636	1604-1644	
Uncorrected Meter Volume (Vm)	22.288	21.586	21.789	ft^3
Meter Factor (Yd)	1.0208	1.0208	1.0208	
Barometric Pressure (Pb)	29.9	29.9	29.9	"Hg
Meter Pressure (ΔH)	1.8	1.8	1.8	"H_2O
Meter Temperature (Tm)	79.8	75.8	72.5	^oF
Standard Temperature (Tstd)	70	70	70	^oF
Impinger H_2O Gain (Vw imp)	28.5	27.0	37.1	g
Silica Gel Wt. Gain (Vw sg)	3.4	3.3	7.7	g
Total H_2O Gain (Vw)	31.9	30.3	44.8	g
Moisture Vapor (Vw std)	1.509	1.433	2.119	ft^3
Std. Meter Volume (Vm std)	**22.421**	**21.877**	**22.221**	**DSCF**
Percent of H_2O in Stack	**6.3**	**6.1**	**8.7**	**%**

WHERE:
ft^3 = cubic foot
H_2O = water
Hg = mercury
^oF = Fahrenheit
ml = milliliter
g = gram
% = percent

CALCULATIONS:
Vw std = 0.00267 · Vw · (Tstd + 460) / 29.92
Vm std = Vm · Yd · (Tstd + 460) · (Pb + (ΔH/13.6)) / (Tm + 460) / 29.92
Stack moisture H_2O % = 100 · Vw std / (Vw std + Vm std)

BLUE SKY ENVIRONMENTAL, INC

STACK GAS FLOW RATE DETERMINATION

EPA Method 19

Facility: Ox Mountain Landfill
Unit: Flare (A-9)
Condition: 1,468°F
Date: 8/6/21

	Run 1	Run 2	Run 3	
Test Time	1443-1523	1556-1636	1604-1644	
# cubic feet/rev	1,512.0	1,534.1	1,535.1	ft^3
# of seconds/rev	60	60	60	seconds
Gas Line Pressure (PSIG)	0.0	0.0	0.0	PSI Gauge
Gas Line Pressure (PSIA)	14.7	14.7	14.7	PSI Absolute
Gross Calorific Value @ 60°F	522.7	533.8	520.8	Btu / ft^3
Stack Oxygen	15.3	14.7	15.1	%
Gas Fd-Factor @ 60°F	9,277	9,249	9,275	dscf/MMBtu
Gas Temperature	70	70	70	°F
Standard Temperature (Tstd)	70	70	70	°F
Realtime Fuel Rate	1,512.0	1,534.1	1,535.1	cfm
Corrected Fuel Rate @ Tstd	1,512.0	1,534.1	1,535.1	scfm
Fuel Flowrate	90,721	92,046	92,106	scfh
Million Btu per minute	0.775	0.803	0.784	MMBtu/min
Heat Input	46.53	48.21	47.06	MMBtu/hr
Stack Gas Flow Rate @ Tstd	**27,205**	**25,419**	**26,953**	**dscfm**

WHERE:
Gas Fd-Factor = Fuel conversion factor (ratio of combustion gas volumes to heat inputs)
MMBtu = Million Btu

CALCULATIONS:

SCFM = CFM · 528 · (PSIA) / 14.7 / (gas°F + 460)
SCFH = SCFM · 60
MMBtu/min = (SCFM · Btu/ft^3) / 1,000,000
MMBtu/hr heat input = MMBtu/min · 60
DSCFM = Gas Fd-Factor · MMBtu/min · 20.9/ (20.9 - O_2%)

BLUE SKY ENVIRONMENTAL, INC

Fd-FACTOR CALCULATION

Landfill Gas

Facility: Ox Mountain Landfill
Unit: Flare (A-9)
Sample ID: A-9 LFG1
Date: 8/6/2021

	Molecular Weight	Ideal Gas Specific Gravity, G_i	Ideal Gas Total Calorific Value, H_i	Compressibility Summation Factor, $\sqrt{b_i}$	Specific Volume, ft^3/lb	PPM %	Composition Mole Fraction, x_i	Specific Gravity Fraction, x_iG_i	Calorific Value Fraction, x_iH_i	Compressibility Fraction, $x_i\sqrt{b_i}$	x_iMW	Weight Fraction, $x_iMW / \Sigma x_iMW$	CARBON Weight Fraction	HYDROGEN Weight Fraction	OXYGEN Weight Fraction	NITROGEN Weight Fraction	SULFUR Weight Fraction	CHONS SUM	Specific Volume, ft^3/lb
Helium‡	4.00	0.1382	0.0	-0.0170		**0.0**	**0.0000**	0.0000	0.0	0.0000	0.0000	0.0000							
Hydrogen (H_2) ‡	2.02	0.0696	324.9		187.723	**<1.6**	**0.0000**	0.0000	0.0	0.0000	0.0000							0.0000	
Nitrogen	28.01	0.9672	0.0	0.0164	13.443	**9.3**	**0.0930**	0.0899	0.0	0.0015	2.6049	0.0938				0.0938		0.0938	1.2612
Oxygen	32.00	1.1053	0.0		11.819	**1.1**	**0.0110**	0.0122	0.0	0.0000	0.3520	0.0127			0.0127			0.0127	0.1498
Carbon Monoxide	28.01	0.9671	321.3	0.0217	13.506	**<0.2**	**0.0000**	0.0000	0.0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000
Carbon Dioxide‡	44.01	1.5194	0.0	0.0640	8.548	**37.3**	**0.3730**	0.5667	0.0	0.0239	16.4157	0.5912	0.1613	0.0000	0.4299			0.5912	5.0536
Methane	16.04	0.5539	1012.0	0.0436	23.565	**52.3**	**0.5230**	0.2897	529.3	0.0228	8.3889	0.3021	0.2262	0.0759				0.3022	7.1196
Ethane (C_2)	30.01	1.0382	1772.9	0.0917	12.455	**<4.1**	**0.0000**	0.0000	0.0	0.0000	0.0000	0.0000	0.0000	0.0000				0.0000	0.0000
Propane (C_3)	44.09	1.5224	2523.0	0.1342	8.365	**30.9**	**0.0000**	0.0000	0.1	0.0000	0.0014	0.0000	0.0000	0.0000				0.0000	0.0004
Isobutane (C_4)	58.12	2.0067	3260.1	0.1744	6.321	**9.1**	**0.0000**	0.0000	0.0	0.0000	0.0005	0.0000	0.0000	0.0000				0.0000	0.0001
n-Butane	58.12	2.0067	3269.6	0.1825	6.321		**0.0000**	0.0000	0.0	0.0000	0.0000	0.0000	0.0000	0.0000				0.0000	0.0000
Isopentane (C_5)	72.14	2.4910	4009.4	0.2276	5.252	**16.5**	**0.0000**	0.0000	0.1	0.0000	0.0012	0.0000	0.0000	0.0000				0.0000	0.0002
n-Pentane	72.14	2.4910	4018.5	0.2377	5.252		**0.0000**	0.0000	0.0	0.0000	0.0000	0.0000	0.0000	0.0000				0.0000	0.0000
Hexanes (C_6)	86.17	2.9753	4758.0	0.2830	4.398	**20.4**	**0.0000**	0.0001	0.1	0.0000	0.0018	0.0001	0.0001	0.0000				0.0001	0.0003
C_6+	86.17	2.9753	4758.0	0.2830	4.398	**164**	**0.0002**	0.0005	0.8	0.0000	0.0141	0.0005	0.0006	0.0001				0.0007	0.0022
Total							1.0001	**0.959**	**529.5**	0.0482	27.7664	1.0000	0.3877	0.0760	0.4425	0.0938	0.0000	1.0000	**13.59**
								SG	**Btu/ft^3**	**$\Sigma x_i\sqrt{b_i}$**	**ΣxiMW**		**38.77%**	**7.60%**	**44.25%**	**9.38%**	**0.00%**		**ft^3/lb**
%H_2Osat @60°F *(ASTM 3588, eqn 14)*					**1.744**								**38.77%**	**7.60%**	**44.25%**	**9.38%**	**0.00%**		

‡ Omitted from Compressibility Factor Calculation

Calculated Specific Gravity (SG) *(Air = 1.000 @ 760mm Hg, 60°F)* **0.959**

Compressibility Factor (Z) **0.9977**

$Z = 1 - [(\Sigma x_i \sqrt{b_i})^2 + (2x_H - x_H^2)(0.0005)]$

Specific Gravity (corrected) **0.961**

Specific Volume, (SV) ft^3/lb **13.59** **ft^3/lb**

Gross Calorific Value (GCV) **530.8** **Btu/ft^3 Gross @ 68°F**
522.7 **Btu/ft^3 Gross @ 60°F**

Gross Calorific Value (GCV) *Btu/lb = Btu/ft^3 * ft^3/lb* **7,211** **Btu/lb @ 68°F**
Gross Calorific Value, wet (GCVw) *GCV * (1-H2O) (ASTM D-3588, eqn 14)* **7,085** **Btu/lb @ 68°F**

Gas Fd-Factor *(EPA Method 19, eqn 19-13)* **9,420** **DSCF/MMBtu @ 68°F**
*DSCF/MMBtu = 10^6 * ((3.64*%H_2)+(1.53*%C)+(0.57*%S)+(0.14*%N_2)-(0.46*%O_2)) / Btu/lb* **9,277** **DSCF/MMBtu @ 60°F**

Gas Fw-Factor *(EPA Method 19, eqn 19-14)* **11,504** **SCF/MMBtu @ 68°F**
*DSCF/MMBtu = 10^6 * ((5.57*%H_2)+(1.53*%C)+(0.57*%S)+(0.14*%N_2)-(0.46*%O_2)+(0.21*%H2O)) / Btu/lb(GCVw)*

BLUE SKY ENVIRONMENTAL, INC

Fd-FACTOR CALCULATION

Landfill Gas

Facility: Ox Mountain Landfill
Unit: Flare (A-9)
Sample ID: A-9 LFG2
Date: 8/6/2021

	Molecular Weight	Ideal Gas Specific Gravity, G_i	Ideal Gas Total Calorific Value, H_i	Compressibility Summation Factor, $\sqrt{b_i}$	Specific Volume, ft^3/lb	PPM %	Composition Mole Fraction, x_i	Specific Gravity Fraction, x_iG_i	Calorific Value Fraction, x_iH_i	Compressibility Fraction, $x_i\sqrt{b_i}$	x_iMW	Weight Fraction, $\xi_i MW / \Sigma x_iMW$	CARBON Weight Fraction	HYDROGEN Weight Fraction	OXYGEN Weight Fraction	NITROGEN Weight Fraction	SULFUR Weight Fraction	CHONS SUM	Specific Volume, ft^3/lb
Helium‡	4.00	0.1382	0.0	-0.0170		**0.0**	**0.0000**	0.0000	0.0	0.0000	0.0000	0.0000							
Hydrogen (H_2) ‡	2.02	0.0696	324.9		187.723	**<1.7**	**0.0000**	0.0000	0.0	0.0000	0.0000							0.0000	
Nitrogen	28.01	0.9672	0.0	0.0164	13.443	**9.0**	**0.0900**	0.0870	0.0	0.0015	2.5209	0.0918				0.0918		0.0918	1.2339
Oxygen	32.00	1.1053	0.0		11.819	**1.1**	**0.0110**	0.0122	0.0	0.0000	0.3520	0.0128			0.0128			0.0128	0.1515
Carbon Monoxide	28.01	0.9671	321.3	0.0217	13.506	**<0.2**	**0.0000**	0.0000	0.0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000
Carbon Dioxide‡	44.01	1.5194	0.0	0.0640	8.548	**36.4**	**0.3640**	0.5531	0.0	0.0233	16.0196	0.5833	0.1592	0.0000	0.4241			0.5833	4.9860
Methane	16.04	0.5539	1012.0	0.0436	23.565	**53.4**	**0.5340**	0.2958	540.4	0.0233	8.5654	0.3119	0.2335	0.0784				0.3119	7.3493
Ethane (C_2)	30.01	1.0382	1772.9	0.0917	12.455	**<4.1**	**0.0000**	0.0000	0.0	0.0000	0.0000	0.0000	0.0000	0.0000				0.0000	0.0000
Propane (C_3)	44.09	1.5224	2523.0	0.1342	8.365	**54.6**	**0.0001**	0.0001	0.1	0.0000	0.0024	0.0001	0.0001	0.0000				0.0001	0.0007
Isobutane (C_4)	58.12	2.0067	3260.1	0.1744	6.321	**9.7**	**0.0000**	0.0000	0.0	0.0000	0.0006	0.0000	0.0000	0.0000				0.0000	0.0001
n-Butane	58.12	2.0067	3269.6	0.1825	6.321		**0.0000**	0.0000	0.0	0.0000	0.0000	0.0000	0.0000	0.0000				0.0000	0.0000
Isopentane (C_5)	72.14	2.4910	4009.4	0.2276	5.252	**17.3**	**0.0000**	0.0000	0.1	0.0000	0.0012	0.0000	0.0000	0.0000				0.0000	0.0002
n-Pentane	72.14	2.4910	4018.5	0.2377	5.252		**0.0000**	0.0000	0.0	0.0000	0.0000	0.0000	0.0000	0.0000				0.0000	0.0000
Hexanes (C_6)	86.17	2.9753	4758.0	0.2830	4.398	**24.5**	**0.0000**	0.0001	0.1	0.0000	0.0021	0.0001	0.0001	0.0000				0.0001	0.0003
C_6+	86.17	2.9753	4758.0	0.2830	4.398	**175**	**0.0002**	0.0005	0.8	0.0000	0.0151	0.0005	0.0006	0.0001				0.0007	0.0024
Total							0.9991	**0.948**	**540.8**	0.0481	27.4642	1.0000	0.3929	0.0784	0.4369	0.0918	0.0000	1.0000	**13.72**
								SG	**Btu/ft^3**	**$\Sigma x_i\sqrt{b_i}$**	**ΣxiMW**		**39.29%**	**7.84%**	**43.69%**	**9.18%**	**0.00%**		**ft^3/lb**
													39.29%	**7.84%**	**43.69%**	**9.18%**	**0.00%**		

%H_2Osat @60°F *(ASTM 3588, eqn 14)* **1.744**

‡ Omitted from Compressibility Factor Calculation

Calculated Specific Gravity (SG) *(Air = 1.000 @ 760mm Hg, 60°F)* **0.948**

Compressibility Factor (Z) **0.9977**

$Z = 1 - [(\Sigma x_i \sqrt{b_i})^2 + (2x_H - x_H^2)(0.0005)]$

Specific Gravity (corrected) **0.950**

Specific Volume, (SV) ft^3/lb **13.72** **ft^3/lb**

Gross Calorific Value (GCV) **542.0** **Btu/ft^3 Gross @ 68°F**
533.8 **Btu/ft^3 Gross @ 60°F**

Gross Calorific Value (GCV) *Btu/lb = Btu/ft^3 * ft^3/lb* **7,438** **Btu/lb @ 68°F**
Gross Calorific Value, wet (GCVw) *GCV * (1-H2O) (ASTM D-3588, eqn 14)* **7,308** **Btu/lb @ 68°F**

Gas Fd-Factor *(EPA Method 19, eqn 19-13)* **9,391** **DSCF/MMBtu @ 68°F**
*DSCF/MMBtu = 10^6 * ((3.64*%H_2)+(1.53*%C)+(0.57*%S)+(0.14*%N_2)-(0.46*%O_2)) / Btu/lb* **9,249** **DSCF/MMBtu @ 60°F**

Gas Fw-Factor *(EPA Method 19, eqn 19-14)* **11,475** **SCF/MMBtu @ 68°F**
*DSCF/MMBtu = 10^6 * ((5.57*%H_2)+(1.53*%C)+(0.57*%S)+(0.14*%N_2)-(0.46*%O_2)+(0.21*%H2O)) / Btu/lb(GCVw)*

BLUE SKY ENVIRONMENTAL, INC

Fd-FACTOR CALCULATION

Landfill Gas

Facility: Ox Mountain Landfill
Unit: Flare (A-9)
Sample ID: A-9 LFG3
Date: 8/6/2021

	Molecular Weight	Ideal Gas Specific Gravity, G_i	Ideal Gas Total Calorific Value, H_i	Compressibility Summation Factor, $\sqrt{b_i}$	Specific Volume, ft^3/lb	PPM %	Composition Mole Fraction, x_i	Specific Gravity Fraction, x_iG_i	Calorific Value Fraction, x_iH_i	Compressibility Fraction, $x_i\sqrt{b_i}$	x_iMW	Weight Fraction, $\xi_i MW / \Sigma x_i MW$	CARBON Weight Fraction	HYDROGEN Weight Fraction	OXYGEN Weight Fraction	NITROGEN Weight Fraction	SULFUR Weight Fraction	CHONS SUM	Specific Volume, ft^3/lb
Helium‡	4.00	0.1382	0.0	-0.0170		**0.0**	**0.0000**	0.0000	0.0	0.0000	0.0000	0.0000							
Hydrogen (H_2) ‡	2.02	0.0696	324.9		187.723	**<1.7**	**0.0000**	0.0000	0.0	0.0000	0.0000							0.0000	
Nitrogen	28.01	0.9672	0.0	0.0164	13.443	**9.6**	**0.0960**	0.0929	0.0	0.0016	2.6890	0.0969				0.0969		0.0969	1.3020
Oxygen	32.00	1.1053	0.0		11.819	**1.2**	**0.0120**	0.0133	0.0	0.0000	0.3840	0.0138			0.0138			0.0138	0.1635
Carbon Monoxide	28.01	0.9671	321.3	0.0217	13.506	**<0.2**	**0.0000**	0.0000	0.0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000
Carbon Dioxide‡	44.01	1.5194	0.0	0.0640	8.548	**37.1**	**0.3710**	0.5637	0.0	0.0237	16.3277	0.5881	0.1605	0.0000	0.4276			0.5881	5.0270
Methane	16.04	0.5539	1012.0	0.0436	23.565	**52.1**	**0.5210**	0.2886	527.3	0.0227	8.3568	0.3010	0.2254	0.0757				0.3010	7.0930
Ethane (C_2)	30.01	1.0382	1772.9	0.0917	12.455	**<4.3**	**0.0000**	0.0000	0.0	0.0000	0.0000	0.0000	0.0000	0.0000				0.0000	0.0000
Propane (C_3)	44.09	1.5224	2523.0	0.1342	8.365	**27.1**	**0.0000**	0.0000	0.1	0.0000	0.0012	0.0000	0.0000	0.0000				0.0000	0.0004
Isobutane (C_4)	58.12	2.0067	3260.1	0.1744	6.321	**10.2**	**0.0000**	0.0000	0.0	0.0000	0.0006	0.0000	0.0000	0.0000				0.0000	0.0001
n-Butane	58.12	2.0067	3269.6	0.1825	6.321		**0.0000**	0.0000	0.0	0.0000	0.0000	0.0000	0.0000	0.0000				0.0000	0.0000
Isopentane (C_5)	72.14	2.4910	4009.4	0.2276	5.252	**26.9**	**0.0000**	0.0001	0.1	0.0000	0.0019	0.0001	0.0001	0.0000				0.0001	0.0004
n-Pentane	72.14	2.4910	4018.5	0.2377	5.252		**0.0000**	0.0000	0.0	0.0000	0.0000	0.0000	0.0000	0.0000				0.0000	0.0000
Hexanes (C_6)	86.17	2.9753	4758.0	0.2830	4.398	**28.9**	**0.0000**	0.0001	0.1	0.0000	0.0025	0.0001	0.0001	0.0000				0.0001	0.0004
C_6+	86.17	2.9753	4758.0	0.2830	4.398	**288**	**0.0003**	0.0009	1.4	0.0001	0.0248	0.0009	0.0010	0.0002				0.0012	0.0039
Total							1.0001	**0.959**	**527.6**	0.0481	27.7637	1.0000	0.3860	0.0757	0.4414	0.0969	0.0000	1.0000	**13.59**
								SG	**Btu/ft³**	**$\Sigma x_i\sqrt{b_i}$**	**ΣxiMW**		**38.60%**	**7.57%**	**44.14%**	**9.68%**	**0.00%**		**ft³/lb**
%H_2Osat @60°F *(ASTM 3588, eqn 14)*					**1.744**								**38.60%**	**7.57%**	**44.14%**	**9.68%**	**0.00%**		

‡ Omitted from Compressibility Factor Calculation

Calculated Specific Gravity (SG) *(Air = 1.000 @ 760mm Hg, 60°F)* **0.959**

Compressibility Factor (Z) **0.9977**

$Z = 1 - [(\Sigma x_i \sqrt{b_i})^2 + (2x_H - x_H^2)(0.0005)]$

Specific Gravity (corrected) **0.961**

Specific Volume, (SV) ft^3/lb **13.59** **ft^3/lb**

Gross Calorific Value (GCV) **528.8** **Btu/ft^3 Gross @ 68°F**
520.8 **Btu/ft^3 Gross @ 60°F**

Gross Calorific Value (GCV) *Btu/lb = Btu/ft^3 * ft^3/lb* **7,185** **Btu/lb @ 68°F**
Gross Calorific Value, wet (GCVw) *GCV * (1-H2O) (ASTM D-3588, eqn 14)* **7,060** **Btu/lb @ 68°F**

Gas Fd-Factor *(EPA Method 19, eqn 19-13)* **9,418** **DSCF/MMBtu @ 68°F**
*DSCF/MMBtu = 10^6 * ((3.64*%H_2)+(1.53*%C)+(0.57*%S)+(0.14*%N_2)-(0.46*%O_2)) / Btu/lb* **9,275** **DSCF/MMBtu @ 60°F**

Gas Fw-Factor *(EPA Method 19, eqn 19-14)* **11,502** **SCF/MMBtu @ 68°F**
*DSCF/MMBtu = 10^6 * ((5.57*%H_2)+(1.53*%C)+(0.57*%S)+(0.14*%N_2)-(0.46*%O_2)+(0.21*%H2O)) / Btu/lb(GCVw)*

Laboratory Reports

Atmospheric Analysis & Consulting, Inc.

CLIENT	: Blue Sky Environmental
PROJECT NAME	: OX MTN LANDFILL
AAC PROJECT NO.	: 211390
REPORT DATE	: 08/24/2021

On August 10th, 2021, Atmospheric Analysis & Consulting, Inc. received six (6) Six-Liter Silonite Canisters for TNMOC analysis by EPA 25C, TRS analysis by ASTM D-5504, and ASTM D-1945 analysis. Upon receipt, the samples were assigned unique Laboratory ID numbers as follows:

Client ID	Lab No.	Return Pressure (mmHg)
A-7 LFG1	211390-22215	655.2
A-7 LFG2	211390-22216	652.6
A-7 LFG3	211390-22217	665.2
A-9 LFG1	211390-22218	628.4
A-9 LFG2	211390-22219	624.8
A-9 LFG3	211390-22220	612.6

This analysis is performed in accordance with AAC's Quality Manual. Test results apply to the samples as received. For detailed information pertaining to specific EPA, NCASI, ASTM and SCAQMD accreditations (Methods & Analytes), please visit our website at www.aaclab.com.

I certify that this data is technically accurate, complete, and in compliance with the terms and conditions of the contract. No problems were encountered during receiving, preparation, and/or analysis of these samples. The Technical Director or his/her designee, as verified by the following signature, has authorized release of the data.

If you have any questions or require further explanation of data results, please contact the undersigned.

Sucha Parmar, Ph.D.
Technical Director

This report consists of 10 pages.

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Atmospheric Analysis & Consulting, Inc.

Laboratory Analysis Report

CLIENT : **Blue Sky Environmental**
PROJECT NO. : **211390**
MATRIX : **Air**

SAMPLING DATE : **08/06/2021**
RECEIVING DATE : **08/10/2021**
ANALYSIS DATE : **08/12/2021**
REPORT DATE : **08/24/2021**

ASTM D-1945

Client ID	A-7 LFG1	A-7 LFG2	A-7 LFG3
AAC ID	211390-22215	211390-22216	211390-22217
Can Dilution Factor	1.58	1.58	1.59
Analyte	Result	Result	Result
H_2	< 1.6 %	< 1.6 %	< 1.6 %
O_2	2.6 %	2.6 %	2.6 %
N_2	14.6 %	14.6 %	14.6 %
CO	< 0.2 %	< 0.2 %	< 0.2 %
CO_2	34.8 %	34.7 %	35.0 %
CH_4	47.9 %	48.0 %	47.8 %
C_2 (as Ethane)	19.9 ppmV	5.2 ppmV	4.3 ppmV
C_3 (as Propane)	24.7 ppmV	24.2 ppmV	28.9 ppmV
C_4 (as Butane)	6.7 ppmV	6.7 ppmV	6.7 ppmV
C_5 (as Pentane)	2.8 ppmV	3.0 ppmV	2.3 ppmV
C_6 (as Hexane)	4.1 ppmV	4.4 ppmV	3.4 ppmV
C_6+ (as Hexane)	133 ppmV	134 ppmV	139 ppmV

Client ID	A-9 LFG1	A-9 LFG2	A-9 LFG3
AAC ID	211390-22218	211390-22219	211390-22220
Can Dilution Factor	1.65	1.66	1.72
Analyte	Result	Result	Result
H_2	< 1.6 %	< 1.7 %	< 1.7 %
O_2	1.1 %	1.1 %	1.2 %
N_2	9.3 %	9.0 %	9.6 %
CO	< 0.2 %	< 0.2 %	< 0.2 %
CO_2	37.3 %	36.4 %	37.1 %
CH_4	52.3 %	53.4 %	52.1 %
C_2 (as Ethane)	< 4.1 ppmV	< 4.1 ppmV	< 4.3 ppmV
C_3 (as Propane)	30.9 ppmV	54.6 ppmV	27.1 ppmV
C_4 (as Butane)	9.1 ppmV	9.7 ppmV	10.2 ppmV
C_5 (as Pentane)	16.5 ppmV	17.3 ppmV	26.9 ppmV
C_6 (as Hexane)	20.4 ppmV	24.5 ppmV	28.9 ppmV
C_6+ (as Hexane)	164 ppmV	175 ppmV	288 ppmV

All fixed gases have been normalized to 100% on a dry basis
Sample Reporting Limit (SRL) is equal to Reporting Limit x Analysis Dil. Fac x Canister Dil. Fac (if applicable)

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Laboratory Analysis Report

Client : Blue Sky Environmental
Project No. : 211390
Matrix : AIR
Units : ppmC

Sampling Date : 08/06/2021
Receiving Date : 08/10/2021
Analysis Date : 08/12/2021
Report Date : 08/24/2021

EPA 25C

Reporting Limit: 3.0 ppmC		*Canister Dilution Factor*	*Analysis Dilution Factor*	TNMOC*	SRL (RL x DF's)
Client Sample ID	AAC ID				
A-7 LFG1	211390-22215	1.6	1.0	635	4.7
A-7 LFG2	211390-22216	1.6	1.0	531	4.7
A-7 LFG3	211390-22217	1.6	1.0	527	4.8
A-9 LFG1	211390-22218	1.6	1.0	798	4.9
A-9 LFG2	211390-22219	1.7	1.0	772	5.0
A-9 LFG3	211390-22220	1.7	1.0	824	5.1

Sample Reporting Limit (SRL) is equal to Reporting Limit x Analysis Dil. Fac x Canister Dil. Fac.

**Total Non-Methane Organic Carbon*

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LABORATORY ANALYSIS REPORT

CLIENT : **Blue Sky Environmental**
PROJECT NO. : **211390**
MATRIX : **AIR**
UNITS : **ppmV**

SAMPLING DATE : **08/06/2021**
RECEIVING DATE : **08/10/2021**
ANALYSIS DATE : **08/12/2021**
REPORT DATE : **08/24/2021**

Total Reduced Sulfur Compounds Analysis by ASTM D-5504

Client ID	A-7 LFG1	A-7 LFG2	A-7 LFG3	A-9 LFG1	A-9 LFG2	A-9 LFG3
AAC ID	211390-22215	211390-22216	211390-22217	211390-22218	211390-22219	211390-22220
Canister Dil. Fac.	1.6	1.6	1.6	1.6	1.7	1.7
Analyte	Result	Result	Result	Result	Result	Result
Hydrogen Sulfide	230	207	175	141	118	146
COS / SO2	0.460	0.567	< 0.079	6.7	6.3	0.119
Methyl Mercaptan	0.672	0.821	0.826	22.2	21.8	1.2
Ethyl Mercaptan	0.142	0.182	0.226	< 0.082	< 0.083	< 0.086
Dimethyl Sulfide	0.558	0.483	0.607	15.7	15.3	0.866
Carbon Disulfide	0.093	< 0.079	0.097	1.3	2.0	< 0.086
Isopropyl Mercaptan	0.682	0.594	0.758	17.1	17.1	0.821
tert-Butyl Mercaptan	< 0.079	< 0.079	< 0.079	< 0.082	< 0.083	< 0.086
n-Propyl Mercaptan	< 0.079	< 0.079	< 0.079	< 0.082	< 0.083	< 0.086
Methylethylsulfide	< 0.079	< 0.079	< 0.079	< 0.082	< 0.083	< 0.086
sec-Butyl Mercaptan / Thiophene	1.3	1.3	1.4	22.8	24.1	1.2
iso-Butyl Mercaptan	< 0.079	< 0.079	< 0.079	< 0.082	1.0	< 0.086
Diethyl Sulfide	< 0.079	< 0.079	< 0.079	< 0.082	< 0.083	< 0.086
n-Butyl Mercaptan	< 0.079	< 0.079	< 0.079	< 0.082	< 0.083	< 0.086
Dimethyl Disulfide	< 0.079	< 0.079	< 0.079	< 0.082	< 0.083	< 0.086
2-Methylthiophene	0.378	0.319	0.343	2.8	< 0.083	0.172
3-Methylthiophene	0.091	0.092	0.094	< 0.082	< 0.083	< 0.086
Tetrahydrothiophene	< 0.079	< 0.079	< 0.079	< 0.082	< 0.083	< 0.086
Bromothiophene	< 0.079	< 0.079	< 0.079	< 0.082	< 0.083	< 0.086
Thiophenol	< 0.079	< 0.079	< 0.079	< 0.082	< 0.083	< 0.086
Diethyl Disulfide	< 0.079	< 0.079	< 0.079	< 0.082	< 0.083	< 0.086
Total Unidentified Sulfur	119	0.127	0.097	< 0.082	4.5	0.300
Total Reduced Sulfurs	353	211	179	223	203	151

All unidentified compound's concentrations expressed in terms of H_2S (TRS does not include COS and SO_2)
Sample Reporting Limit (SRL) is equal to Reporting Limit x Canister Dil. Fac. x Analysis Dil. Fac.

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Atmospheric Analysis & Consulting, Inc.

Quality Control/Quality Assurance Report

Date Analyzed : 08/12/2021
Analyst : DB/DL
Units : %

Instrument ID : TCD #1
Calb Date : 10/05/20
Reporting Limit : 0.1%

I - Opening Continuing Calibration Verification - BTU/ASTM D-1945

AAC ID	Analyte	H_2	O_2	N_2	CH_4	CO	CO_2
CCV	Spike Conc	9.9	10.4	20.2	10.0	10.0	10.0
	Result	9.6	10.4	20.2	10.1	10.0	9.7
	% Rec *	96.9	99.5	100.1	100.8	99.5	97.6

II - Method Blank - BTU/ASTM D-1945

AAC ID	Analyte	H_2	O_2	N_2	CH_4	CO	CO_2
MB	Concentration	ND	ND	ND	ND	ND	ND

III - Laboratory Control Spike & Duplicate - BTU/ASTM D-1945

AAC ID	Analyte	H_2	O_2	N_2	CH_4	CO	CO_2
Lab Control Standards	Sample Conc	0.0	0.0	0.0	0.0	0.0	0.0
	Spike Conc	9.9	10.4	20.2	10.0	10.0	10.0
	LCS Result	9.7	10.5	20.4	10.2	10.0	9.9
	LCSD Result	9.8	10.4	20.4	10.2	10.1	9.9
	LCS % Rec *	97.6	101.0	101.2	102.1	100.4	98.7
	LCSD % Rec *	98.6	100.4	101.4	102.3	100.7	99.0
	% RPD ***	1.1	0.6	0.1	0.2	0.3	0.3

IV -Sample & Sample Duplicate - BTU/ASTM D-1945

AAC ID	Analyte	H_2	O_2	N_2	CH_4	CO	CO_2
211390-22215	Sample	0.0	1.6	9.0	29.6	0.0	21.5
	Sample Dup	0.0	1.6	9.0	29.6	0.0	21.5
	Mean	0.0	1.6	9.0	29.6	0.0	21.5
	% RPD ***	0.0	1.2	0.0	0.1	0.0	0.2

V - Matrix Spike & Duplicate- BTU/ASTM D-1945

AAC ID	Analyte	H_2	N_2	CH_4	CO	CO_2
211390-22215	Sample Conc	0.0	4.5	14.8	0.0	10.8
	Spike Conc	9.9	10.1	10.0	10.0	10.0
	MS Result	10.1	14.7	24.6	10.2	21.2
	MSD Result	9.8	14.9	25.0	10.3	20.6
	MS % Rec **	102.1	101.1	98.6	102.2	104.2
	MSD % Rec **	98.7	102.8	102.4	102.8	99.0
	% RPD ***	3.4	1.7	3.7	0.7	5.2

VI - Closing Continuing Calibration Verification - BTU/ASTM D-1945

AAC ID	Analyte	H_2	O_2	N_2	CH_4	CO	CO_2
CCV	Spike Conc	9.9	10.4	20.2	10.0	10.0	10.0
	Result	9.8	10.4	20.4	10.1	10.1	9.7
	% Rec *	99.0	99.6	101.0	101.6	100.5	97.0

** Must be 85-115%*

*** Must be 75-125%*

**** Must be < 25%*

ND = Not Detected

<RL = less than Reporting Limit

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Atmospheric Analysis & Consulting, Inc.

Quality Control/Quality Assurance Report

Date Analyzed : 08/12/2021
Analyst : DL/DB
Units : ppmv

Instrument ID : FID #3
Calb Date : 03/31/21
Reporting Limit : 0.5 ppmv

I - Opening Continuing Calibration Verification - BTU/ASTM D-1945

AAC ID	Analyte	Methane	Ethane	Propane	Butane	Pentane	Hexane
CCV	Spike Conc	98.9	99.1	98.7	98.1	98.1	99.7
	Result	93.9	95.5	94.1	94.8	96.4	97.9
	% Rec *	94.9	96.4	95.3	96.7	98.2	98.1

II - Method Blank - BTU/ASTM D-1945

AAC ID	Analyte	Methane	Ethane	Propane	Butane	Pentane	Hexane
MB	Concentration	ND	ND	ND	ND	ND	ND

III - Laboratory Control Spike & Duplicate - BTU/ASTM D-1945

AAC ID	Analyte	Methane	Ethane	Propane	Butane	Pentane	Hexane
Lab Control Standards	Sample Conc	0.0	0.0	0.0	0.0	0.0	0.0
	Spike Conc	98.9	99.1	98.7	98.1	98.1	99.7
	LCS Result	93.7	95.1	94.4	95.5	96.2	98.1
	LCSD Result	94.6	96.5	94.7	96.6	97.9	100.2
	LCS % Rec *	94.8	95.9	95.6	97.4	98.0	98.3
	LCSD % Rec *	95.7	97.4	96.0	98.5	99.8	100.5
	% RPD ***	0.9	1.5	0.4	1.2	1.8	2.2

IV - Sample & Sample Duplicate - BTU/ASTM D-1945

AAC ID	Analyte	Methane	Ethane	Propane	Butane	Pentane	Hexane
211247-21437	Sample	2.5	0.0	0.0	0.0	0.0	0.0
	Sample Dup	2.5	0.0	0.0	0.0	0.0	0.0
	Mean	2.5	0.0	0.0	0.0	0.0	0.0
	% RPD ***	2.4	0.0	0.0	0.0	0.0	0.0

V - Matrix Spike & Duplicate - BTU/ASTM D-1945

AAC ID	Analyte	Methane	Ethane	Propane	Butane	Pentane	Hexane
211247-21437	Sample Conc	1.2	0.0	0.0	0.0	0.0	0.0
	Spike Conc	49.4	49.6	49.4	49.0	49.1	49.9
	MS Result	55.7	55.6	55.0	55.5	56.0	56.8
	MSD Result	56.3	56.8	56.0	56.1	56.9	57.7
	MS % Rec **	110.1	112.1	111.5	113.1	114.1	113.9
	MSD % Rec **	111.4	114.7	113.4	114.3	115.9	115.6
	% RPD ***	1.2	2.3	1.7	1.1	1.6	1.6

VI - Closing Continuing Calibration Verification - BTU/ASTM D-1945

AAC ID	Analyte	Methane	Ethane	Propane	Butane	Pentane	Hexane
CCV	Spike Conc	98.9	99.1	98.7	98.1	98.1	99.7
	Result	107.5	104.2	102.4	103.7	104.7	106.1
	% Rec *	108.7	105.1	103.8	105.7	106.7	106.4

** Must be 85-115%*

*** Must be 75-125%*

**** Must be < 25%*

ND = Not Detected

<RL = less than Reporting Limit

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Quality Control/Quality Assurance Report

Analysis Date : **08/12/2021**
Analyst : **ZD**
Units : **ppmv**

Instrument ID: **GCTCA#2-FID**
Calibration Date: **5/14/2021**

I - Opening Calibration Verification Standard - Method 25C

Analyte	xRF	DRF	%RPD*
Propane	564253	563862	0.1

II - TNMOC Response Factor - Method 25C

Analyte	xRF	CV RF	CV dp RF	CV tp RF	Average RF	% RPD***
Propane	564253	563862	570131	567224	567073	0.5

III - Method Blank - Method 25C

AAC ID	Analyte	Sample Result
MB	TNMOC	

IV - Laboratory Control Spike & Duplicate - Method 25C

AAC ID	Analyte	Spike Added	LCS	LCSD	LCS % Rec **	LCSD % Rec **	% RPD***
LCS/LCSD	Propane	51.0	51.48	51.22	101.0	100.5	0.5

V - Closing Calibration Verification Standard - Method 25C

Analyte	xCF	dCF	%RPD*
Propane	564253	550572	2.5

xCF - Average Calibration Factor from Initial Calibration Curve
dCF - Daily Calibration Factor
* Must be <15%
** Must be 90-110 %
*** Must be <20%

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Quality Control/Quality Assurance Report
ASTM D-5504

Date Analyzed: 8/12/2021
Analyst: DL
Units: ppbV

Instrument ID: SCD#10
Calb. Date: 6/1/2021

Opening Calibration Verification Standard

519.8 ppbV H2S (SS1289)

H_2S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	3420	505	97.2	1.4
Duplicate	3563	526	101.2	2.7
Triplicate	3420	505	97.2	1.4

527.0 ppbV H2S (SS1289)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	4403	525	99.6	1.2
Duplicate	4331	516	98.0	0.4
Triplicate	4314	514	97.6	0.8

522.0 ppbV H2S (SS1289)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	4836	519	99.4	1.5
Duplicate	4781	513	98.3	0.3
Triplicate	4676	502	96.1	1.9

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID** 211284-21669

Analyte	Sample Result	Duplicate Result	Mean	% RPD ***
H_2S	<PQL	<PQL	0.0	0.0
MeSH	<PQL	<PQL	0.0	0.0
DMS	<PQL	<PQL	0.0	0.0

Matrix Spike & Duplicate **Sample ID** 211284-21669 x10

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	259.9	249.7	263.0	96.1	101.2	5.2
MeSH	<PQL	263.5	261.0	248.9	99.0	94.4	4.7
DMS	<PQL	261.0	257.1	255.7	98.5	98.0	0.5

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	519.8	517.4	99.5
MeSH	527.0	495.8	94.1
DMS	522.0	507.4	97.2

** Must be 95-105%, ** Must be 90-110%, *** Must be < 10%, **** Must be < 5% RPD from Mean result.*

H2S: PQL = 10.5 ppbV, MDL = 1.12 ppbV
MeSH: PQL = 10.5 ppbV, MDL = 1.12 ppbV
DMS: PQL = 11.0 ppbV, MDL = 1.12 ppbV

Quality Control/Quality Assurance Report
ASTM D-5504

Date Analyzed: 8/13/2021
Analyst: DL
Units: ppbV

Instrument ID: SCD#10
Calb. Date: 6/1/2021

Opening Calibration Verification Standard

519.8 ppbV H2S (SS1289)

H_2S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	3570	527	101.4	0.9
Duplicate	3575	528	101.6	1.0
Triplicate	3469	512	98.6	2.0

527.0 ppbV H2S (SS1289)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	4370	521	98.9	1.8
Duplicate	4275	510	96.7	0.4
Triplicate	4235	505	95.8	1.4

522.0 ppbV H2S (SS1289)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	4858	521	99.9	1.9
Duplicate	4716	506	97.0	1.1
Triplicate	4730	508	97.2	0.8

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID** 211414-22343

Analyte	Sample Result	Duplicate Result	Mean	% RPD ***
H_2S	<PQL	<PQL	0.0	0.0
MeSH	<PQL	<PQL	0.0	0.0
DMS	<PQL	<PQL	0.0	0.0

Matrix Spike & Duplicate **Sample ID** 211414-22343 x10

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	259.9	238.9	242.6	91.9	93.4	1.5
MeSH	<PQL	263.5	245.2	249.1	93.1	94.5	1.6
DMS	<PQL	261.0	254.7	254.6	97.6	97.6	0.0

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	519.8	517.2	99.5
MeSH	527.0	518.5	98.4
DMS	522.0	498.5	95.5

** Must be 95-105%, ** Must be 90-110%, *** Must be < 10%, **** Must be < 5% RPD from Mean result.*

H2S: PQL = 10.5 ppbV, MDL = 1.12 ppbV
MeSH: PQL = 10.5 ppbV, MDL = 1.12 ppbV
DMS: PQL = 11.0 ppbV, MDL = 1.12 ppbV

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Contact: John Yokoyama
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CHAIN OF CUSTODY RECORD

Project Name: OX MTN LANDFILL

Project #: 211390

SAMPLE Date	SAMPLE Time	Sample ID (Method-Run-Fraction)	CANISTER NUMBER	Type/Size of container	Analysis Requested: ASTM 1945	25C	ASTM 5504	TO-15			FINAL VAC
8/6/21		A-7 LFG1 22215	2619	6L SILCO	X	X	X	X			-3.7
8/6/21		A-7 LFG2 22216	2608	6L SILCO	X	X	X	X			-3.3
8/6/21		A-7 LFG3 22217	2817	6L SILCO	X	X	X	X			-3
8/6/21		A-9 LFG1 22218	2639	6L SILCO	X	X	X	X			-4.8
8/6/21		A-9 LFG2 22219	2814	6L SILCO	X	X	X	X			-4.9
8/6/21		A-9 LFG3 22220	2812	6L SILCO	X	X	X	X			-5.5

All samples submitted to laboratories are accepted on a custodial basis only. Ownership of sample remains with the client submitting the sample. Samples should be held for 90+ days. The laboratory reserves the right to return unused sample portions.

COMMENTS:

Email results to bluesky@blueskyenvironmental.com

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
	8/9/21	1200		8/10/21	0958
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:

Atmospheric Analysis & Consulting, Inc.

CLIENT	: Blue Sky Environmental, Inc.
PROJECT NAME	: OX MTN LANDFILL
AAC PROJECT NO.	: 211390
REPORT DATE	: 8/19/2021

On August 10, 2021, Atmospheric Analysis & Consulting, Inc. received six (6) six-Liter Silonite Canisters for Volatile Organic Compounds analysis by EPA Method TO-15. Upon receipt, the samples were assigned unique Laboratory ID numbers as follows:

Client ID	Lab ID	Return Pressure (mmHga)
A-7 LFG1	211390-22215	655.2
A-7 LFG2	211390-22216	652.6
A-7 LFG3	211390-22217	665.2
A-9 LFG1	211390-22218	628.4
A-9 LFG2	211390-22219	624.8
A-9 LFG3	211390-22220	612.6

This analysis is accredited under the laboratory's ISO/IEC 17025:2017 accreditation issued by the ANSI National Accreditation Board. Refer to certificate and scope of accreditation AT-1908. Test results apply to the sample(s) as received. For detailed information pertaining to specific EPA, NCASI, ASTM and SCAQMD accreditations (Methods & Analytes), please visit our website at www.aaclab.com.

I certify that this data is technically accurate, complete, and in compliance with the terms and conditions of the contract. No problems were encountered during receiving, preparation, and/or analysis of these samples.

The Technical Director or his designee, as verified by the following signature, has authorized release of the data contained in this hardcopy report.

If you have any questions or require further explanation of data results, please contact the undersigned.

Sucha Parmar, Ph.D.
Technical Director

This report consists of 12 pages.

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Laboratory Analysis Report

CLIENT : Blue Sky Environmental, Inc.
PROJECT NO : 211390
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 08/10/2021
DATE REPORTED : 08/19/2021
ANALYST : MB/RC

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	A-7 LFG1			Sample Reporting Limit (SRL) (MRLxDF's)	A-7 LFG2			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	211390-22215				211390-22216				
Date Sampled	08/06/2021				08/06/2021				
Date Analyzed	08/17/2021				08/17/2021				
Can Dilution Factor	1.58				1.58				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	50	39.4	<SRL	U	50	39.6	0.50
Propene	1170		50	78.9	1210		50	79.1	1.00
Dichlorodifluoromethane	<SRL	U	50	39.4	<SRL	U	50	39.6	0.50
Chloromethane	<SRL	U	50	39.4	<SRL	U	50	39.6	0.50
Dichlorotetrafluoroethane	<SRL	U	50	39.4	<SRL	U	50	39.6	0.50
Vinyl Chloride	<SRL	U	50	39.4	<SRL	U	50	39.6	0.50
Methanol	<SRL	U	50	394	<SRL	U	50	396	5.00
1,3-Butadiene	<SRL	U	50	78.9	<SRL	U	50	79.1	1.00
Bromomethane	<SRL	U	50	39.4	<SRL	U	50	39.6	0.50
Chloroethane	<SRL	U	50	39.4	<SRL	U	50	39.6	0.50
Dichlorofluoromethane	<SRL	U	50	39.4	<SRL	U	50	39.6	0.50
Ethanol	<SRL	U	50	158	<SRL	U	50	158	2.00
Vinyl Bromide	<SRL	U	50	39.4	<SRL	U	50	39.6	0.50
Acetone	615		50	158	767		50	158	2.00
Trichlorofluoromethane	<SRL	U	50	39.4	<SRL	U	50	39.6	0.50
2-Propanol (IPA)	332		50	158	375		50	158	2.00
Acrylonitrile	<SRL	U	50	158	<SRL	U	50	158	2.00
1,1-Dichloroethene	<SRL	U	50	39.4	<SRL	U	50	39.6	0.50
Methylene Chloride (DCM)	<SRL	U	50	78.9	<SRL	U	50	79.1	1.00
Allyl Chloride	<SRL	U	50	158	<SRL	U	50	158	2.00
Carbon Disulfide	<SRL	U	50	158	<SRL	U	50	158	2.00
Trichlorotrifluoroethane	<SRL	U	50	39.4	<SRL	U	50	39.6	0.50
trans-1,2-Dichloroethene	<SRL	U	50	39.4	<SRL	U	50	39.6	0.50
1,1-Dichloroethane	<SRL	U	50	39.4	<SRL	U	50	39.6	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	50	39.4	<SRL	U	50	39.6	0.50
Vinyl Acetate	<SRL	U	50	78.9	<SRL	U	50	79.1	1.00
2-Butanone (MEK)	1740		50	78.9	1710		50	79.1	1.00
cis-1,2-Dichloroethene	<SRL	U	50	39.4	<SRL	U	50	39.6	0.50
Hexane	185		50	39.4	223		50	39.6	0.50
Chloroform	<SRL	U	50	39.4	<SRL	U	50	39.6	0.50
Ethyl Acetate	76.5		50	39.4	<SRL	U	50	39.6	0.50
Tetrahydrofuran	516		50	78.9	521		50	79.1	1.00
1,2-Dichloroethane	<SRL	U	50	39.4	<SRL	U	50	39.6	0.50
1,1,1-Trichloroethane	<SRL	U	50	39.4	<SRL	U	50	39.6	0.50
Benzene	541		50	39.4	502		50	39.6	0.50

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Laboratory Analysis Report

CLIENT : Blue Sky Environmental, Inc.
PROJECT NO : 211390
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 08/10/2021
DATE REPORTED : 08/19/2021
ANALYST : MB/RC

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	A-7 LFG1			Sample Reporting Limit (SRL) (MRLxDF's)	A-7 LFG2			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	211390-22215				211390-22216				
Date Sampled	08/06/2021				08/06/2021				
Date Analyzed	08/17/2021				08/17/2021				
Can Dilution Factor	1.58				1.58				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	50	39.4	<SRL	U	50	39.6	0.50
Cyclohexane	181		50	39.4	207		50	39.6	0.50
1,2-Dichloropropane	<SRL	U	50	39.4	<SRL	U	50	39.6	0.50
Bromodichloromethane	<SRL	U	50	39.4	<SRL	U	50	39.6	0.50
1,4-Dioxane	<SRL	U	50	78.9	<SRL	U	50	79.1	1.00
Trichloroethene (TCE)	<SRL	U	50	39.4	<SRL	U	50	39.6	0.50
2,2,4-Trimethylpentane	60.7		50	39.4	57.8		50	39.6	0.50
Heptane	392		50	39.4	301		50	39.6	0.50
cis-1,3-Dichloropropene	<SRL	U	50	39.4	<SRL	U	50	39.6	0.50
4-Methyl-2-pentanone (MiBK)	108		50	39.4	<SRL	U	50	39.6	0.50
trans-1,3-Dichloropropene	<SRL	U	50	39.4	<SRL	U	50	39.6	0.50
1,1,2-Trichloroethane	<SRL	U	50	39.4	<SRL	U	50	39.6	0.50
Toluene	2130		50	39.4	1910		50	39.6	0.50
2-Hexanone (MBK)	<SRL	U	50	78.9	<SRL	U	50	79.1	1.00
Dibromochloromethane	<SRL	U	50	39.4	<SRL	U	50	39.6	0.50
1,2-Dibromoethane	<SRL	U	50	39.4	<SRL	U	50	39.6	0.50
Tetrachloroethene (PCE)	<SRL	U	50	39.4	<SRL	U	50	39.6	0.50
Chlorobenzene	<SRL	U	50	39.4	<SRL	U	50	39.6	0.50
Ethylbenzene	2030		50	39.4	2120		50	39.6	0.50
m & p-Xylene	2510		50	78.9	2300		50	79.1	1.00
Bromoform	<SRL	U	50	39.4	<SRL	U	50	39.6	0.50
Styrene	103		50	39.4	94.9		50	39.6	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	50	39.4	<SRL	U	50	39.6	0.50
o-Xylene	757		50	39.4	674		50	39.6	0.50
4-Ethyltoluene	379		50	39.4	335		50	39.6	0.50
1,3,5-Trimethylbenzene	208		50	39.4	197		50	39.6	0.50
1,2,4-Trimethylbenzene	<SRL	U	50	39.4	<SRL	U	50	39.6	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	50	39.4	<SRL	U	50	39.6	0.50
1,3-Dichlorobenzene	<SRL	U	50	39.4	<SRL	U	50	39.6	0.50
1,4-Dichlorobenzene	178		50	39.4	135		50	39.6	0.50
1,2-Dichlorobenzene	<SRL	U	50	39.4	<SRL	U	50	39.6	0.50
1,2,4-Trichlorobenzene	<SRL	U	50	78.9	<SRL	U	50	79.1	1.00
Hexachlorobutadiene	<SRL	U	50	39.4	<SRL	U	50	39.6	0.50
BFB-Surrogate Std. % Recovery		107%				96%			70-130%

U - Compound was not detected at or above the SRL.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Laboratory Analysis Report

CLIENT : Blue Sky Environmental, Inc.
PROJECT NO : 211390
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 08/10/2021
DATE REPORTED : 08/19/2021
ANALYST : MB/RC

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	A-7 LFG3			Sample Reporting Limit (SRL) (MRLxDF's)	A-9 LFG1			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	211390-22217				211390-22218				
Date Sampled	08/06/2021				08/06/2021				
Date Analyzed	08/17/2021				08/17/2021				
Can Dilution Factor	1.59				1.65				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Chlorodifluoromethane	<SRL	U	50	39.7	<SRL	U	50	41.2	0.50
Propene	1180		50	79.4	2390		50	82.4	1.00
Dichlorodifluoromethane	<SRL	U	50	39.7	<SRL	U	50	41.2	0.50
Chloromethane	<SRL	U	50	39.7	<SRL	U	50	41.2	0.50
Dichlorotetrafluoroethane	<SRL	U	50	39.7	<SRL	U	50	41.2	0.50
Vinyl Chloride	<SRL	U	50	39.7	<SRL	U	50	41.2	0.50
Methanol	<SRL	U	50	397	<SRL	U	50	412	5.00
1,3-Butadiene	<SRL	U	50	79.4	<SRL	U	50	82.4	1.00
Bromomethane	<SRL	U	50	39.7	<SRL	U	50	41.2	0.50
Chloroethane	<SRL	U	50	39.7	<SRL	U	50	41.2	0.50
Dichlorofluoromethane	<SRL	U	50	39.7	<SRL	U	50	41.2	0.50
Ethanol	<SRL	U	50	159	6180		50	165	2.00
Vinyl Bromide	<SRL	U	50	39.7	<SRL	U	50	41.2	0.50
Acetone	818		50	159	2020		50	165	2.00
Trichlorofluoromethane	<SRL	U	50	39.7	<SRL	U	50	41.2	0.50
2-Propanol (IPA)	383		50	159	1640		50	165	2.00
Acrylonitrile	<SRL	U	50	159	<SRL	U	50	165	2.00
1,1-Dichloroethene	<SRL	U	50	39.7	<SRL	U	50	41.2	0.50
Methylene Chloride (DCM)	<SRL	U	50	79.4	<SRL	U	50	82.4	1.00
Allyl Chloride	<SRL	U	50	159	<SRL	U	50	165	2.00
Carbon Disulfide	<SRL	U	50	159	<SRL	U	50	165	2.00
Trichlorotrifluoroethane	<SRL	U	50	39.7	<SRL	U	50	41.2	0.50
trans-1,2-Dichloroethene	<SRL	U	50	39.7	<SRL	U	50	41.2	0.50
1,1-Dichloroethane	<SRL	U	50	39.7	<SRL	U	50	41.2	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	50	39.7	<SRL	U	50	41.2	0.50
Vinyl Acetate	<SRL	U	50	79.4	<SRL	U	50	82.4	1.00
2-Butanone (MEK)	1740		50	79.4	4390		50	82.4	1.00
cis-1,2-Dichloroethene	<SRL	U	50	39.7	<SRL	U	50	41.2	0.50
Hexane	203		50	39.7	199		50	41.2	0.50
Chloroform	<SRL	U	50	39.7	<SRL	U	50	41.2	0.50
Ethyl Acetate	<SRL	U	50	39.7	740		50	41.2	0.50
Tetrahydrofuran	517		50	79.4	860		50	82.4	1.00
1,2-Dichloroethane	<SRL	U	50	39.7	79.1		50	41.2	0.50
1,1,1-Trichloroethane	<SRL	U	50	39.7	<SRL	U	50	41.2	0.50
Benzene	505		50	39.7	335		50	41.2	0.50

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Laboratory Analysis Report

CLIENT : Blue Sky Environmental, Inc.
PROJECT NO : 211390
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 08/10/2021
DATE REPORTED : 08/19/2021
ANALYST : MB/RC

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	A-7 LFG3			Sample Reporting Limit (SRL) (MRLxDF's)	A-9 LFG1			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	211390-22217				211390-22218				
Date Sampled	08/06/2021				08/06/2021				
Date Analyzed	08/17/2021				08/17/2021				
Can Dilution Factor	1.59				1.65				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	50	39.7	<SRL	U	50	41.2	0.50
Cyclohexane	135		50	39.7	183		50	41.2	0.50
1,2-Dichloropropane	<SRL	U	50	39.7	<SRL	U	50	41.2	0.50
Bromodichloromethane	<SRL	U	50	39.7	<SRL	U	50	41.2	0.50
1,4-Dioxane	<SRL	U	50	79.4	<SRL	U	50	82.4	1.00
Trichloroethene (TCE)	<SRL	U	50	39.7	<SRL	U	50	41.2	0.50
2,2,4-Trimethylpentane	59.6		50	39.7	65.9		50	41.2	0.50
Heptane	300		50	39.7	289		50	41.2	0.50
cis-1,3-Dichloropropene	<SRL	U	50	39.7	<SRL	U	50	41.2	0.50
4-Methyl-2-pentanone (MiBK)	73.1		50	39.7	194		50	41.2	0.50
trans-1,3-Dichloropropene	<SRL	U	50	39.7	<SRL	U	50	41.2	0.50
1,1,2-Trichloroethane	<SRL	U	50	39.7	<SRL	U	50	41.2	0.50
Toluene	1900		50	39.7	1670		50	41.2	0.50
2-Hexanone (MBK)	<SRL	U	50	79.4	<SRL	U	50	82.4	1.00
Dibromochloromethane	<SRL	U	50	39.7	<SRL	U	50	41.2	0.50
1,2-Dibromoethane	<SRL	U	50	39.7	<SRL	U	50	41.2	0.50
Tetrachloroethene (PCE)	<SRL	U	50	39.7	<SRL	U	50	41.2	0.50
Chlorobenzene	<SRL	U	50	39.7	<SRL	U	50	41.2	0.50
Ethylbenzene	2050		50	39.7	1730		50	41.2	0.50
m & p-Xylene	2370		50	79.4	2420		50	82.4	1.00
Bromoform	<SRL	U	50	39.7	<SRL	U	50	41.2	0.50
Styrene	81.8		50	39.7	205		50	41.2	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	50	39.7	<SRL	U	50	41.2	0.50
o-Xylene	721		50	39.7	752		50	41.2	0.50
4-Ethyltoluene	346		50	39.7	326		50	41.2	0.50
1,3,5-Trimethylbenzene	190		50	39.7	182		50	41.2	0.50
1,2,4-Trimethylbenzene	<SRL	U	50	39.7	468		50	41.2	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	50	39.7	<SRL	U	50	41.2	0.50
1,3-Dichlorobenzene	<SRL	U	50	39.7	<SRL	U	50	41.2	0.50
1,4-Dichlorobenzene	137		50	39.7	160		50	41.2	0.50
1,2-Dichlorobenzene	<SRL	U	50	39.7	<SRL	U	50	41.2	0.50
1,2,4-Trichlorobenzene	<SRL	U	50	79.4	<SRL	U	50	82.4	1.00
Hexachlorobutadiene	<SRL	U	50	39.7	<SRL	U	50	41.2	0.50
BFB-Surrogate Std. % Recovery		97%				114%			70-130%

U - Compound was not detected at or above the SRL.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Laboratory Analysis Report

CLIENT : Blue Sky Environmental, Inc.
PROJECT NO : 211390
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 08/10/2021
DATE REPORTED : 08/19/2021
ANALYST : MB/RC

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	A-9 LFG2			Sample Reporting Limit (SRL)	A-9 LFG3			Sample Reporting Limit (SRL)	Method Reporting Limit (MRL)
AAC ID	211390-22219				211390-22220				
Date Sampled	08/06/2021				08/06/2021				
Date Analyzed	08/17/2021				08/17/2021				
Can Dilution Factor	1.66				1.72				
Compound	Result	Qualifier	Analysis DF	(MRLxDF's)	Result	Qualifier	Analysis DF	(MRLxDF's)	
Chlorodifluoromethane	<SRL	U	50	41.4	<SRL	U	50	42.9	0.50
Propene	2940		50	82.8	2430		50	85.8	1.00
Dichlorodifluoromethane	<SRL	U	50	41.4	<SRL	U	50	42.9	0.50
Chloromethane	<SRL	U	50	41.4	<SRL	U	50	42.9	0.50
Dichlorotetrafluoroethane	<SRL	U	50	41.4	<SRL	U	50	42.9	0.50
Vinyl Chloride	<SRL	U	50	41.4	<SRL	U	50	42.9	0.50
Methanol	<SRL	U	50	414	1700		50	429	5.00
1,3-Butadiene	<SRL	U	50	82.8	<SRL	U	50	85.8	1.00
Bromomethane	<SRL	U	50	41.4	<SRL	U	50	42.9	0.50
Chloroethane	<SRL	U	50	41.4	<SRL	U	50	42.9	0.50
Dichlorofluoromethane	<SRL	U	50	41.4	<SRL	U	50	42.9	0.50
Ethanol	19400		1000	3310	18200		200	686	2.00
Vinyl Bromide	<SRL	U	50	41.4	<SRL	U	50	42.9	0.50
Acetone	2280		50	166	2150		50	172	2.00
Trichlorofluoromethane	<SRL	U	50	41.4	<SRL	U	50	42.9	0.50
2-Propanol (IPA)	2390		50	166	1760		50	172	2.00
Acrylonitrile	<SRL	U	50	166	<SRL	U	50	172	2.00
1,1-Dichloroethene	<SRL	U	50	41.4	<SRL	U	50	42.9	0.50
Methylene Chloride (DCM)	<SRL	U	50	82.8	<SRL	U	50	85.8	1.00
Allyl Chloride	<SRL	U	50	166	<SRL	U	50	172	2.00
Carbon Disulfide	<SRL	U	50	166	<SRL	U	50	172	2.00
Trichlorotrifluoroethane	<SRL	U	50	41.4	<SRL	U	50	42.9	0.50
trans-1,2-Dichloroethene	<SRL	U	50	41.4	<SRL	U	50	42.9	0.50
1,1-Dichloroethane	<SRL	U	50	41.4	<SRL	U	50	42.9	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	50	41.4	<SRL	U	50	42.9	0.50
Vinyl Acetate	<SRL	U	50	82.8	<SRL	U	50	85.8	1.00
2-Butanone (MEK)	4560		50	82.8	2230		50	85.8	1.00
cis-1,2-Dichloroethene	<SRL	U	50	41.4	<SRL	U	50	42.9	0.50
Hexane	<SRL	U	50	41.4	126		50	42.9	0.50
Chloroform	<SRL	U	50	41.4	<SRL	U	50	42.9	0.50
Ethyl Acetate	875		50	41.4	<SRL	U	50	42.9	0.50
Tetrahydrofuran	921		50	82.8	490		50	85.8	1.00
1,2-Dichloroethane	86.1		50	41.4	48.0		50	42.9	0.50
1,1,1-Trichloroethane	<SRL	U	50	41.4	<SRL	U	50	42.9	0.50
Benzene	386		50	41.4	148		50	42.9	0.50

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Laboratory Analysis Report

CLIENT : Blue Sky Environmental, Inc.
PROJECT NO : 211390
MATRIX : AIR
UNITS : PPB (v/v)

DATE RECEIVED : 08/10/2021
DATE REPORTED : 08/19/2021
ANALYST : MB/RC

VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	A-9 LFG2			Sample Reporting Limit (SRL) (MRLxDF's)	A-9 LFG3			Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID	211390-22219				211390-22220				
Date Sampled	08/06/2021				08/06/2021				
Date Analyzed	08/17/2021				08/17/2021				
Can Dilution Factor	1.66				1.72				
Compound	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	50	41.4	<SRL	U	50	42.9	0.50
Cyclohexane	222		50	41.4	111		50	42.9	0.50
1,2-Dichloropropane	<SRL	U	50	41.4	<SRL	U	50	42.9	0.50
Bromodichloromethane	<SRL	U	50	41.4	<SRL	U	50	42.9	0.50
1,4-Dioxane	<SRL	U	50	82.8	<SRL	U	50	85.8	1.00
Trichloroethene (TCE)	<SRL	U	50	41.4	<SRL	U	50	42.9	0.50
2,2,4-Trimethylpentane	82.8		50	41.4	<SRL	U	50	42.9	0.50
Heptane	306		50	41.4	150		50	42.9	0.50
cis-1,3-Dichloropropene	<SRL	U	50	41.4	<SRL	U	50	42.9	0.50
4-Methyl-2-pentanone (MiBK)	178		50	41.4	<SRL	U	50	42.9	0.50
trans-1,3-Dichloropropene	<SRL	U	50	41.4	<SRL	U	50	42.9	0.50
1,1,2-Trichloroethane	<SRL	U	50	41.4	<SRL	U	50	42.9	0.50
Toluene	2110		50	41.4	860		50	42.9	0.50
2-Hexanone (MBK)	<SRL	U	50	82.8	<SRL	U	50	85.8	1.00
Dibromochloromethane	<SRL	U	50	41.4	<SRL	U	50	42.9	0.50
1,2-Dibromoethane	<SRL	U	50	41.4	<SRL	U	50	42.9	0.50
Tetrachloroethene (PCE)	43.1		50	41.4	<SRL	U	50	42.9	0.50
Chlorobenzene	<SRL	U	50	41.4	<SRL	U	50	42.9	0.50
Ethylbenzene	1310		50	41.4	448		50	42.9	0.50
m & p-Xylene	1800		50	82.8	544		50	85.8	1.00
Bromoform	<SRL	U	50	41.4	<SRL	U	50	42.9	0.50
Styrene	190		50	41.4	55.8		50	42.9	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	50	41.4	<SRL	U	50	42.9	0.50
o-Xylene	621		50	41.4	186		50	42.9	0.50
4-Ethyltoluene	233		50	41.4	60.0		50	42.9	0.50
1,3,5-Trimethylbenzene	122		50	41.4	<SRL	U	50	42.9	0.50
1,2,4-Trimethylbenzene	312		50	41.4	76.3		50	42.9	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	50	41.4	<SRL	U	50	42.9	0.50
1,3-Dichlorobenzene	<SRL	U	50	41.4	<SRL	U	50	42.9	0.50
1,4-Dichlorobenzene	96.1		50	41.4	<SRL	U	50	42.9	0.50
1,2-Dichlorobenzene	<SRL	U	50	41.4	<SRL	U	50	42.9	0.50
1,2,4-Trichlorobenzene	<SRL	U	50	82.8	<SRL	U	50	85.8	1.00
Hexachlorobutadiene	<SRL	U	50	41.4	<SRL	U	50	42.9	0.50
BFB-Surrogate Std. % Recovery		102%				110%			70-130%

U - Compound was not detected at or above the SRL.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 08/17/2021
MATRIX : High Purity N_2
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-02
CALIBRATION STD ID : PS062821-03
ANALYST : RC

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Continuing Calibration Verification of the 08/16/2021 Calibration

Analyte Compounds	*Source*[1]	*CCV*[2]	*% Recovery*[3]
4-BFB (surrogate standard)	10.00	10.95	110
Chlorodifluoromethane	21.40	17.73	83
Propene	21.80	17.58	81
Dichlorodifluoromethane	20.60	17.57	85
Dimethyl Ether	21.40	18.62	87
Chloromethane	20.60	14.75	72
Dichlorotetrafluoroethane	19.60	16.97	87
Vinyl Chloride	20.20	16.25	80
Acetaldehyde	41.00	37.46	91
Methanol	32.40	31.61	98
1,3-Butadiene	21.40	16.50	77
Bromomethane	20.60	16.09	78
Chloroethane	19.80	13.97	71
Dichlorofluoromethane	20.80	17.53	84
Ethanol	21.00	22.30	106
Vinyl Bromide	21.20	17.36	82
Acrolein	21.80	17.49	80
Acetone	20.80	17.33	83
Trichlorofluoromethane	20.40	15.96	78
2-Propanol (IPA)	21.80	20.05	92
Acrylonitrile	22.60	16.62	74
1,1-Dichloroethene	21.40	15.09	71
Methylene Chloride (DCM)	21.80	16.82	77
TertButanol (TBA)	21.60	15.46	72
Allyl Chloride	21.80	20.75	95
Carbon Disulfide	21.00	16.13	77
Trichlorotrifluoroethane	21.80	17.23	79
trans-1,2-Dichloroethene	20.80	19.44	93
1,1-Dichloroethane	20.60	19.17	93
Methyl Tert Butyl Ether (MTBE)	21.60	19.32	89
Vinyl Acetate	22.00	20.17	92
2-Butanone (MEK)	21.00	17.04	81
cis-1,2-Dichloroethene	21.00	19.11	91
Hexane	21.40	19.26	90
Chloroform	21.20	17.75	84
Ethyl Acetate	21.20	17.42	82
Tetrahydrofuran	21.20	18.62	88
1,2-Dichloroethane	21.20	18.12	85
1,1,1-Trichloroethane	21.00	18.33	87
Benzene	21.20	18.52	87
Carbon Tetrachloride	21.40	18.70	87
Cyclohexane	21.00	16.84	80

Analyte Compounds (Continued)	*Source*[1]	*CCV*[2]	*% Recovery*[3]
1,2-Dichloropropane	21.20	17.34	82
Bromodichloromethane	21.00	18.00	86
1,4-Dioxane	21.00	22.41	107
Trichloroethene (TCE)	21.00	17.79	85
2,2,4-Trimethylpentane	21.20	17.25	81
Methyl Methacrylate	21.20	19.73	93
Heptane	21.20	19.59	92
cis-1,3-Dichloropropene	20.40	16.69	82
4-Methyl-2-pentanone (MiBK)	20.40	17.72	87
trans-1,3-Dichloropropene	20.20	19.36	96
1,1,2-Trichloroethane	21.60	17.76	82
Toluene	21.60	18.47	86
2-Hexanone (MBK)	21.40	19.67	92
Dibromochloromethane	21.20	18.68	88
1,2-Dibromoethane	21.80	20.21	93
Tetrachloroethene (PCE)	21.00	19.38	92
Chlorobenzene	21.80	20.53	94
Ethylbenzene	21.80	21.63	99
m & p-Xylene	43.20	41.70	97
Bromoform	21.60	22.20	103
Styrene	21.40	22.26	104
1,1,2,2-Tetrachloroethane	21.40	18.82	88
o-Xylene	21.40	21.46	100
1,2,3-Trichloropropane	21.60	20.23	94
Isopropylbenzene (Cumene)	21.60	20.27	94
α-Pinene	23.20	21.91	94
2-Chlorotoluene	21.80	21.68	99
n-Propylbenzene	20.40	20.04	98
4-Ethyltoluene	21.20	21.85	103
1,3,5-Trimethylbenzene	21.00	22.08	105
β-Pinene LR	18.60	2.06	11
1,2,4-Trimethylbenzene	21.00	21.52	102
Benzyl Chloride (a-Chlorotoluene) LR	21.20	14.25	67
1,3-Dichlorobenzene	21.20	23.01	109
1,4-Dichlorobenzene	20.80	22.99	111
Sec-ButylBenzene	21.60	20.87	97
1,2-Dichlorobenzene	20.60	22.43	109
n-ButylBenzene	21.20	21.84	103
1,2-Dibromo-3-Chloropropane	21.40	21.57	101
1,2,4-Trichlorobenzene	21.00	23.98	114
Naphthalene	21.00	25.29	120
Hexachlorobutadiene	21.40	22.99	107

[1] Concentration of analyte compound in certified source standard.

[2] Measured result from daily Continuing Calibration Verification (CCV).

[3] The acceptable range for analyte recovery is 100±30%.

LR - Recovery for this compound was low. Results should be consider estimated.

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QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 08/17/2021
MATRIX : High Purity N_2
UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-02
CALIBRATION STD ID : PS062821-03
ANALYST : RC

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Laboratory Control Spike Analysis

System Monitoring Compounds	*Sample Concentration*	*Spike Added*	*LCS[1] Recovery*	*LCSD[1] Recovery*	*LCS[1] % Recovery[2]*	*LCSD[1] % Recovery[2]*	*RPD[3]*
4-BFB (surrogate standard)	0.0	10.00	10.95	10.47	109.5	104.7	4.5
1,1-Dichloroethene	0.0	10.70	15.09	14.08	141	132	6.9
Methylene Chloride (DCM)	0.0	10.90	16.82	16.22	154	149	3.6
Benzene	0.0	10.60	18.52	19.13	175	180	3.2
Trichloroethene (TCE)	0.0	10.50	17.79	19.73	169	188	10.3
Toluene	0.0	10.80	18.47	17.48	171	162	5.5
Tetrachloroethene (PCE)	0.0	10.50	19.38	19.03	185	181	1.8
Chlorobenzene	0.0	10.90	20.53	19.85	188	182	3.4
Ethylbenzene	0.0	10.90	21.63	19.39	198	178	10.9
m & p-Xylene	0.0	21.60	41.70	39.79	193	184	4.7
o-Xylene	0.0	10.70	21.46	18.55	201	173	14.5

[1] Laboratory Control Spike (LCS) / Laboratory Control Spike Duplicate (LCSD)

[2] The acceptable range for analyte recovery is 100±30%.

[3] Relative Percent Difference (RPD) between LCS recovery and LCSD recovery (acceptable range is <25%).

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QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 08/17/2021 | **INSTRUMENT ID : GC/MS-02**
MATRIX : High Purity He or N_2 | **ANALYST : RC**
UNITS : PPB (v/v)

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Method Blank Analysis

Analyte Compounds	*MB 081721*	*Reporting Limit (RL)*
4-BFB (surrogate standard)	94%	100±30%
Chlorodifluoromethane	<RL	0.5
Propene	<RL	1.0
Dichlorodifluoromethane	<RL	0.5
Dimethyl Ether	<RL	0.5
Chloromethane	<RL	0.5
Dichlorotetrafluoroethane	<RL	0.5
Vinyl Chloride	<RL	0.5
Acetaldehyde	<RL	5.0
Methanol	<RL	5.0
1,3-Butadiene	<RL	1.0
Bromomethane	<RL	0.5
Chloroethane	<RL	0.5
Dichlorofluoromethane	<RL	0.5
Ethanol	<RL	2.0
Vinyl Bromide	<RL	0.5
Acrolein	<RL	1.0
Acetone	<RL	2.0
Trichlorofluoromethane	<RL	0.5
2-Propanol (IPA)	<RL	2.0
Acrylonitrile	<RL	2.0
1,1-Dichloroethene	<RL	0.5
Methylene Chloride (DCM)	<RL	1.0
TertButanol (TBA)	<RL	0.5
Allyl Chloride	<RL	2.0
Carbon Disulfide	<RL	2.0
Trichlorotrifluoroethane	<RL	0.5
trans-1,2-Dichloroethene	<RL	0.5
1,1-Dichloroethane	<RL	0.5
Methyl Tert Butyl Ether (MTBE)	<RL	0.5
Vinyl Acetate	<RL	1.0
2-Butanone (MEK)	<RL	1.0
cis-1,2-Dichloroethene	<RL	0.5
Hexane	<RL	0.5
Chloroform	<RL	0.5
Ethyl Acetate	<RL	0.5
Tetrahydrofuran	<RL	1.0
1,2-Dichloroethane	<RL	0.5
1,1,1-Trichloroethane	<RL	0.5
Benzene	<RL	0.5
Carbon Tetrachloride	<RL	0.5
Cyclohexane	<RL	0.5

Analyte Compounds (Continued)	*MB 081721*	*Reporting Limit (RL)*
1,2-Dichloropropane	<RL	0.5
Bromodichloromethane	<RL	0.5
1,4-Dioxane	<RL	1.0
Trichloroethene (TCE)	<RL	0.5
2,2,4-Trimethylpentane	<RL	0.5
Methyl Methacrylate	<RL	0.5
Heptane	<RL	0.5
cis-1,3-Dichloropropene	<RL	0.5
4-Methyl-2-pentanone (MiBK)	<RL	0.5
trans-1,3-Dichloropropene	<RL	0.5
1,1,2-Trichloroethane	<RL	0.5
Toluene	<RL	0.5
2-Hexanone (MBK)	<RL	1.0
Dibromochloromethane	<RL	0.5
1,2-Dibromoethane	<RL	0.5
Tetrachloroethene (PCE)	<RL	0.5
Chlorobenzene	<RL	0.5
Ethylbenzene	<RL	0.5
m & p-Xylene	<RL	1.0
Bromoform	<RL	0.5
Styrene	<RL	0.5
1,1,2,2-Tetrachloroethane	<RL	0.5
o-Xylene	<RL	0.5
1,2,3-Trichloropropane	<RL	0.5
Isopropylbenzene (Cumene)	<RL	0.5
α-Pinene	<RL	0.5
2-Chlorotoluene	<RL	0.5
n-Propylbenzene	<RL	0.5
4-Ethyltoluene	<RL	0.5
1,3,5-Trimethylbenzene	<RL	0.5
β-Pinene	<RL	0.5
1,2,4-Trimethylbenzene	<RL	0.5
Benzyl Chloride (a-Chlorotoluene)	<RL	0.5
1,3-Dichlorobenzene	<RL	0.5
1,4-Dichlorobenzene	<RL	0.5
Sec-ButylBenzene	<RL	0.5
1,2-Dichlorobenzene	<RL	0.5
n-ButylBenzene	<RL	0.5
1,2-Dibromo-3-Chloropropane	<RL	0.5
1,2,4-Trichlorobenzene	<RL	1.0
Naphthalene	<RL	1.0
Hexachlorobutadiene	<RL	0.5

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QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 08/17/2021 | **INSTRUMENT ID : GC/MS-02**
MATRIX : Air | **ANALYST : RC**
UNITS : PPB (v/v) | **DILUTION FACTOR[1] : x1**

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Duplicate Analysis of AAC Sample ID: CCV/LCSD

Analyte Compounds	*Sample*	*Duplicate*	*RPD[2]*
4-BFB (surrogate standard)	11.00	10.50	4.7
Chlorodifluoromethane	17.70	17.20	2.9
Propene	17.60	16.10	8.9
Dichlorodifluoromethane	17.60	16.80	4.7
Dimethyl Ether	18.60	17.40	6.7
Chloromethane	14.80	12.80	14.5
Dichlorotetrafluoroethane	17.00	16.00	6.1
Vinyl Chloride	16.30	15.50	5.0
Acetaldehyde	38	35.80	4.6
Methanol	31.60	30.20	4.5
1,3-Butadiene	16.50	16.20	1.8
Bromomethane	16.10	14.80	8.4
Chloroethane	14.00	14.10	0.7
Dichlorofluoromethane	17.50	16.70	4.7
Ethanol	22.30	20.50	8.4
Vinyl Bromide	17.40	16.30	6.5
Acrolein	17.50	15.50	12.1
Acetone	17.30	17.70	2.3
Trichlorofluoromethane	16.00	14.90	7.1
2-Propanol (IPA)	20.10	18.20	9.9
Acrylonitrile	16.60	15.80	4.9
1,1-Dichloroethene	15.10	14.10	6.8
Methylene Chloride (DCM)	16.80	16.20	3.6
TertButanol (TBA)	15.50	14.60	6.0
Allyl Chloride	20.80	19.10	8.5
Carbon Disulfide	16.10	15.70	2.5
Trichlorotrifluoroethane	17.20	16.10	6.6
trans-1,2-Dichloroethene	19.40	19.20	1.0
1,1-Dichloroethane	19.20	17.80	7.6
Methyl Tert Butyl Ether (MTBE)	19.30	17.00	12.7
Vinyl Acetate	20.20	18.30	9.9
2-Butanone (MEK)	17.00	16.00	6.1
cis-1,2-Dichloroethene	19.10	18.30	4.3
Hexane	19.30	18.20	5.9
Chloroform	17.80	17.60	1.1
Ethyl Acetate	17.40	16.40	5.9
Tetrahydrofuran	18.60	17.90	3.8
1,2-Dichloroethane	18.10	17.40	3.9
1,1,1-Trichloroethane	18.30	16.90	8.0
Benzene	18.50	19.10	3.2
Carbon Tetrachloride	18.70	18.00	3.8
Cyclohexane	16.80	17.40	3.5

Analyte Compounds (Continued)	*Sample*	*Duplicate*	*RPD[2]*
1,2-Dichloropropane	17.30	18.00	4.0
Bromodichloromethane	18.00	18.30	1.7
1,4-Dioxane	22.40	23.10	3.1
Trichloroethene (TCE)	17.80	19.70	10.1
2,2,4-Trimethylpentane	17.30	17.50	1.1
Methyl Methacrylate	19.70	19.60	0.5
Heptane	19.60	17.50	11.3
cis-1,3-Dichloropropene	16.70	17.90	6.9
4-Methyl-2-pentanone (MiBK)	17.70	17.10	3.4
trans-1,3-Dichloropropene	19.40	18.30	5.8
1,1,2-Trichloroethane	17.80	16.80	5.8
Toluene	18.50	17.50	5.6
2-Hexanone (MBK)	19.70	19.20	2.6
Dibromochloromethane	18.70	18.20	2.7
1,2-Dibromoethane	20.20	19.50	3.5
Tetrachloroethene (PCE)	19.40	19.00	2.1
Chlorobenzene	20.50	19.90	3.0
Ethylbenzene	21.60	19.40	10.7
m & p-Xylene	41.70	39.80	4.7
Bromoform	22.20	19.60	12.4
Styrene	22.30	19.50	13.4
1,1,2,2-Tetrachloroethane	18.80	16.50	13.0
o-Xylene	21.50	18.60	14.5
1,2,3-Trichloropropane	20.20	19.10	5.6
Isopropylbenzene (Cumene)	20.30	18.80	7.7
α-Pinene	21.90	20.10	8.6
2-Chlorotoluene	21.70	17.90	19.2
n-Propylbenzene	20.00	18.20	9.4
4-Ethyltoluene	21.90	18.50	16.8
1,3,5-Trimethylbenzene	22.10	18.60	17.2
β-Pinene	2.06	1.93	6.5
1,2,4-Trimethylbenzene	21.50	19.70	8.7
Benzyl Chloride (a-Chlorotoluene)	14.30	13.10	8.8
1,3-Dichlorobenzene	23.00	19.70	15.5
1,4-Dichlorobenzene	23.00	20.50	11.5
Sec-ButylBenzene	20.90	19.00	9.5
1,2-Dichlorobenzene	22.40	20.60	8.4
n-ButylBenzene	21.80	19.80	9.6
1,2-Dibromo-3-Chloropropane	21.60	20.60	4.7
1,2,4-Trichlorobenzene	24.00	22.00	8.7
Naphthalene	25.30	23.20	8.7
Hexachlorobutadiene	23.00	19.50	16.5

[1] Dilution factor is the product of the Canister Dilution Factor and the Analysis Dilution Factor.

[2] Relative Percent Difference (RPD) between Sample analysis and Duplicate analysis (acceptable range is <25%).

SRL - Sample Reporting Limit (minimum)

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BLUE SKY ENVIRONMENTAL, INC
624 San Gabriel Avenue
Albany, CA 94706
510.525.1261 ph
Contact: *Jeramie Richardson (810) 923-3181*
E.Mail jrichardson@blueskyenvironmental.com

LAB: AAC
ADDRESS: 5504 Eastman Ave Suite A
Ventura, CA 93003
ph/fax 805 650 1642, fax -1644
Contact: John Yokoyama
E.Mail jyokoyama@aaclab.com

CHAIN OF CUSTODY RECORD

Project Name: OX MTN LANDFILL

Project #: 211390

SAMPLE Date	SAMPLE Time	Sample ID (Method-Run-Fraction)	CANISTER NUMBER	Type/Size of container	Analysis Requested: ASTM 1945	25C	ASTM 5504	TO-15			FINAL VAC
8/6/21		A-7 LFG1 22215	2619	6L SILCO	X	X	X	X			-3.7
8/6/21		A-7 LFG2 22216	2608	6L SILCO	X	X	X	X			-3.3
8/6/21		A-7 LFG3 22217	2817	6L SILCO	X	X	X	X			-3
8/6/21		A-9 LFG1 22218	2639	6L SILCO	X	X	X	X			-4.8
8/6/21		A-9 LFG2 22219	2814	6L SILCO	X	X	X	X			-4.9
8/6/21		A-9 LFG3 22220	2812	6L SILCO	X	X	X	X			-5.5

All samples submitted to laboratories are accepted on a custodial basis only. Ownership of sample remains with the client submitting the sample. Samples should be held for 90+ days. The laboratory reserves the right to return unused sample portions.

COMMENTS:

Email results to bluesky@blueskyenvironmental.com

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
	8/9/21	1700		8/10/21	0958
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:

Field Data Sheets

Ox Mountain Landfill

Flare (A-7)

		O_2	CO_2	NOx	CO	CH_4	VOC	ZERO
DATE	TIME	%	%	PPM	PPM	PPM	PPM	SPAN
8/6/2021	7:49:58 AM	0.17	0.05	0.08	0.40	3.08	0.07	
8/6/2021	7:58:00 AM	20.49	12.36	23.11	123.46	453.0	43.68	
8/6/2021	8:05:01 AM	14.47	8.32	12.52	83.86	253.1	24.79	
8/6/2021	8:06:01 AM			11.88				LINEARITY & NO_2 Check
8/6/2021	8:07:01 AM			12.04				
8/6/2021	8:08:02 AM			12.05				
8/6/2021	8:09:02 AM			12.01				
8/6/2021	8:10:02 AM			12.05				
8/6/2021	8:11:02 AM			12.07		147.0	13.80	
8/6/2021	8:19:03 AM	14.38	8.26	0.09	0.00			EXTERNAL BIAS
8/6/2021	8:24:04 AM			12.36				
8/6/2021	8:29:05 AM	0.08	0.03		83.92			

RUN 1		O_2	CO_2	NOx	CO	CH_4	VOC
DATE	TIME	%	%	PPM	PPM	PPM	PPM
8/6/2021	8:46:08 AM	13.66	6.41	12.42	11.39	3.5	-0.06
8/6/2021	8:47:08 AM	13.82	6.22	12.39	13.86	5.6	-0.05
8/6/2021	8:48:09 AM	14.04	6.05	11.84	12.08	3.3	-0.05
8/6/2021	8:49:09 AM	14.07	5.98	12.08	17.70	2.9	-0.05
8/6/2021	8:50:09 AM	14.19	5.88	12.08	6.11	5.1	-0.05
8/6/2021	8:51:09 AM	14.26	5.75	11.96	24.86	-0.4	-0.05
8/6/2021	8:52:09 AM	14.12	5.88	12.94	11.35	-0.4	-0.04
8/6/2021	8:53:09 AM	14.23	5.78	12.29	23.28	-0.4	-0.05
8/6/2021	8:54:10 AM	13.31	6.62	13.35	32.41	-0.4	-0.05
8/6/2021	8:55:10 AM	13.12	6.85	14.89	12.44	-0.4	-0.05
8/6/2021	8:56:10 AM	13.12	6.84	14.52	27.16	-0.4	-0.05
8/6/2021	8:57:10 AM	13.03	6.94	14.64	38.58	-0.4	-0.05
8/6/2021	8:58:10 AM	13.13	6.85	14.68	20.26	-0.4	-0.05
8/6/2021	8:59:10 AM	13.31	6.67	14.13	30.25	-0.1	-0.03
8/6/2021	9:00:11 AM	13.19	6.79	14.59	29.20	1.2	-0.02
8/6/2021	9:01:11 AM	13.36	6.65	14.33	28.45	2.1	-0.05
8/6/2021	9:02:11 AM	13.13	6.81	14.78	24.79	-0.3	-0.05
8/6/2021	9:03:11 AM	13.38	6.63	14.58	23.91	-0.4	-0.05
PORT CHANGE							
8/6/2021	9:10:12 AM	14.36	5.65	9.85	78.23	5.0	-0.05
8/6/2021	9:11:13 AM	14.23	5.78	11.85	97.21	0.8	-0.06
8/6/2021	9:12:13 AM	14.04	5.90	13.74	49.09	1.5	-0.05
8/6/2021	9:13:13 AM	14.29	5.71	13.22	45.73	5.4	-0.06
8/6/2021	9:14:13 AM	14.38	5.59	12.91	67.44	0.2	-0.06
8/6/2021	9:15:13 AM	14.30	5.66	13.35	65.97	3.6	-0.06
8/6/2021	9:16:13 AM	14.40	5.57	13.58	43.75	9.5	-0.05
8/6/2021	9:17:14 AM	14.24	5.71	13.66	40.05	9.3	-0.05
8/6/2021	9:18:14 AM	14.39	5.67	13.43	34.16	4.9	-0.06
8/6/2021	9:19:14 AM	14.61	5.53	12.37	90.66	5.4	-0.05
8/6/2021	9:20:14 AM	14.30	5.82	12.56	74.91	7.7	-0.05
8/6/2021	9:21:14 AM	14.34	5.78	12.57	10.38	7.6	-0.06
8/6/2021	9:22:14 AM	14.30	5.81	12.39	21.75	4.6	-0.05
8/6/2021	9:23:15 AM	14.42	5.72	12.45	10.48	0.8	-0.05
8/6/2021	9:24:15 AM	14.53	5.61	11.98	4.41	6.2	-0.05
8/6/2021	9:25:15 AM	14.82	5.40	11.48	6.94	0.7	-0.05
8/6/2021	9:26:15 AM	15.71	4.62	10.44	4.70	0.1	-0.05
8/6/2021	9:27:15 AM	16.07	4.30	9.44	6.24	1.0	-0.06
AVERAGE		**14.06**	**5.98**	**12.88**	**31.67**	**2.6**	**-0.05**

8/6/2021	9:39:17 AM					248.0	24.84
8/6/2021	9:44:18 AM	14.53	8.26	0.16	0.01	7.5	0.12
8/6/2021	9:51:19 AM	0.24	0.05	12.27			
8/6/2021	9:55:20 AM				84.88		

RUN 2	O_2	CO_2	NOx	CO	CH_4	VOC
TIME	%	%	PPM	PPM	PPM	PPM
10:15:24 AM	14.43	5.97	13.7	137.9	5.6	-0.05
10:16:24 AM	14.36	6.09	14.5	95.4	5.9	-0.06
10:17:24 AM	14.24	6.16	14.3	67.1	7.0	-0.05
10:18:24 AM	14.22	6.14	14.3	47.8	8.8	-0.05
10:19:24 AM	14.36	6.03	14.0	89.8	2.1	-0.06
10:20:25 AM	14.01	6.35	14.9	48.6	2.1	-0.05
10:21:25 AM	14.31	6.13	14.1	29.8	2.7	-0.05
10:22:25 AM	14.24	6.21	14.1	36.3	2.6	-0.05
10:23:25 AM	14.32	6.10	13.5	79.8	2.3	-0.06
10:24:25 AM	14.33	6.15	14.5	39.3	2.3	-0.05
10:25:25 AM	14.69	5.76	12.9	44.4	1.6	-0.06
10:26:26 AM	14.70	5.73	13.0	40.5	1.6	-0.05
10:27:26 AM	14.56	5.93	12.9	71.0	1.6	-0.06
10:28:26 AM	14.99	5.52	12.4	64.4	1.6	-0.05
10:29:26 AM	15.53	5.06	11.5	25.7	1.6	-0.05
10:30:26 AM	15.56	5.10	11.6	63.4	1.6	-0.06
10:31:26 AM	15.37	5.24	12.2	61.0	1.6	-0.05
10:32:27 AM	15.02	5.55	13.2	35.8	1.9	-0.06
PORT CHANGE						
10:36:27 AM	13.74	6.57	11.3	-13.1	0.4	-0.02
10:37:27 AM	13.39	6.86	14.9	37.0	-0.4	-0.06
10:38:28 AM	13.38	6.86	15.0	10.7	-0.4	-0.05
10:39:28 AM	13.40	6.83	15.1	16.4	-0.4	-0.05
10:40:28 AM	13.47	6.74	14.6	80.2	-0.4	-0.06
10:41:28 AM	13.22	6.96	15.0	40.2	1.0	-0.05
10:42:28 AM	13.33	6.87	14.4	14.0	1.1	-0.05
10:43:29 AM	14.14	6.13	13.6	39.7	2.5	-0.06
10:44:29 AM	14.22	6.02	12.5	71.9	6.1	-0.06
10:45:29 AM	14.41	5.87	12.3	68.3	5.1	-0.05
10:46:29 AM	14.58	5.73	12.0	77.5	6.3	-0.05
10:47:29 AM	14.57	5.75	11.7	77.6	2.6	-0.06
10:48:29 AM	14.23	6.03	12.4	71.1	9.7	-0.05
10:49:30 AM	14.07	6.19	13.1	80.5	1.4	-0.05
10:50:30 AM	13.74	6.50	13.4	71.3	0.4	-0.05
10:51:30 AM	13.16	7.06	14.3	15.2	5.8	-0.05
10:52:30 AM	13.04	7.28	14.5	7.0	4.2	-0.05
10:53:30 AM	13.11	7.09	14.3	26.1	1.6	-0.06
AVERAGE	**14.18**	**6.18**	**13.5**	**51.9**	**2.8**	**-0.05**

11:03:32 AM					247.4	24.68
11:08:33 AM	14.53	8.27	0.08	-0.11	8.3	0.11
11:13:34 AM	0.02	0.04	12.46			
11:16:34 AM				84.11		

RUN 3	O_2	CO_2	NOx	CO	CH_4	VOC
TIME	%	%	PPM	PPM	PPM	PPM
11:26:36 AM	13.36	6.44	13.9	49.9	7.6	-0.06
11:27:36 AM	13.41	6.36	13.2	66.1	6.1	-0.05
11:28:36 AM	13.40	6.40	13.6	70.0	9.2	-0.05
11:29:37 AM	13.38	6.40	14.0	50.2	3.7	-0.06
11:30:37 AM	13.96	5.88	12.8	68.8	5.3	-0.05
11:31:37 AM	14.05	5.77	12.7	76.3	6.3	-0.05
11:32:37 AM	14.12	5.73	12.5	70.0	-0.5	-0.05
11:33:37 AM	14.14	5.72	12.4	50.6	-0.4	-0.05
11:34:37 AM	14.16	5.69	12.3	41.5	-0.4	-0.06
11:35:38 AM	13.81	5.99	12.9	34.5	-0.4	-0.05
11:36:38 AM	13.74	6.09	13.6	67.1	-0.4	-0.05
11:37:38 AM	12.87	6.91	14.7	66.7	-0.5	-0.06
11:38:38 AM	12.99	6.83	15.5	27.3	-0.4	-0.05
11:39:38 AM	13.17	6.71	14.6	84.5	-0.1	-0.06
11:40:38 AM	12.92	6.94	15.0	79.8	-0.2	-0.05
11:41:39 AM	12.81	7.02	15.1	28.9	-0.1	-0.05
11:42:39 AM	12.76	7.09	15.4	26.4	0.7	-0.06
11:43:39 AM	12.82	7.01	15.3	29.7	1.8	-0.06
PORT CHANGE						
11:48:40 AM	14.43	5.55	14.4	51.2	5.6	-0.06
11:49:40 AM	13.96	5.92	14.9	80.2	4.2	-0.05
11:50:40 AM	13.90	5.98	15.3	90.3	4.5	-0.05
11:51:40 AM	13.86	6.02	15.9	60.4	4.3	-0.05
11:52:41 AM	14.01	5.88	15.3	99.3	4.1	-0.05
11:53:41 AM	14.24	5.68	14.7	85.6	3.4	-0.05
11:54:41 AM	14.03	5.92	14.9	55.1	2.3	-0.05
11:55:41 AM	13.84	6.09	15.8	44.5	1.6	-0.05
11:56:41 AM	14.15	5.81	14.7	59.4	1.6	-0.05
11:57:41 AM	14.10	5.78	14.3	89.0	2.2	-0.05
11:58:42 AM	14.17	5.74	14.3	97.4	2.6	-0.05
11:59:42 AM	14.04	5.80	13.9	81.9	2.2	-0.06
12:00:42 PM	14.22	5.64	13.9	66.6	1.9	-0.05
12:01:42 PM	14.27	5.63	13.3	103.0	7.4	-0.05
12:02:42 PM	14.12	5.72	13.6	97.3	8.8	-0.05
12:03:42 PM	14.17	5.75	14.4	67.8	8.9	-0.05
12:04:43 PM	14.16	5.76	14.4	63.8	6.7	-0.06
12:05:43 PM	15.05	4.97	12.3	75.9	6.1	-0.05
AVERAGE	**13.79**	**6.07**	**14.2**	**65.5**	**3.2**	**-0.05**

12:24:46 PM					248.9	24.91
2:02:03 PM	14.52	8.11	0.07	-0.43	5.9	0.14
2:06:04 PM	0.35	0.03	12.56			
2:09:04 PM				85.12		

BLUE SKY ENVIRONMENTAL,INC

(BAAQMD ST-23, CARB/EPA Method 4) Moisture Sampling Data Sheet

Facility: Ox Mtn
Location: Lower Glade A-7
Date: 8-6-21
Personnel: AE + JR

Meter #: CM-2010-5
Yd: 1.0208
Pyrometer #: T-43864
TCM4-5

Pbar: 29.9
% O_2:
% CO_2:
% H_2O:

Point	Time	Meter Vol, Ft³	Temperature, °F Meter	Temperature, °F Imp.	Vacuum, "Hg	Meter ΔH
1	0846	053.840	66	39	5	1.8
2	5	056.8	67	42	5	1.8
3	10	060.2	68	42	5	1.8
4	15	063.8	71	42	5	1.8
5	20	067.3	70	41	5	1.8
6	25	070.8	71	42	5	1.8
END	30	074.608				
		~~074.7~~				
TOTAL/AVG		20.768	68.8			

Initial Leak Check 0.003 CFM 15 "Hg
Final Leak Check >0.003 CFM 10 "Hg

	Initial	Final	Net
Impinger #1:	660.4	693.8	33.4
Impinger #2:	639.7	640.5	0.8
Impinger #3:	574.0	574.0	0
Silica Gel:	842.9	847.4	4.5
Total Net:			38.7
% Moisture			

Point	Time	Meter Vol, Ft³	Temperature, °F Meter	Temperature, °F Imp.	Vacuum, "Hg	Meter ΔH
1	1015	074.714	72	39	5	1.8
2	5	078.2	74	41	5	1.8
3	10	081.9	76	43	5	1.8
4	15	085.694	77	45	5	1.8
5	20	089.1	76	45	5	1.8
6	25	092.7	77	46	5	1.8
END	30	096.455				
TOTAL/AVG		21.741	75.3			

Initial Leak Check 0.005 CFM 15 "Hg
Final Leak Check >0.003 CFM 10 "Hg

	Initial	Final	Net
Impinger #1:	693.8	728.7	34.9
Impinger #2:	640.5	641.8	1.3
Impinger #3:	574.0	575.5	1.5
Silica Gel:	847.4	852.2	4.8
Total Net:			42.5
% Moisture			

Point	Time	Meter Vol, Ft³	Temperature, °F Meter	Temperature, °F Imp.	Vacuum, "Hg	Meter ΔH
1	1124	096.702	82	34	5	1.8
2	5	100.3	82	45	5	1.8
3	10	104.0	83	45	5	1.8
4	15	107.762	83	45	5	1.8
5	20	111.4	82	46	5	1.8
6	25	115.0	83	46	5	1.8
END	30	118.743				
TOTAL/AVG		22.041	82.5			

Initial Leak Check 0.004 CFM 15 "Hg
Final Leak Check CFM "Hg

	Initial	Final	Net
Impinger #1:	728.7	763.0	34.3
Impinger #2:	641.8	642.1	0.3
Impinger #3:	575.5	576.2	0.7
Silica Gel:	852.2	854.7	2.5
Total Net:			37.8
% Moisture			

Vw std = 0.00267*Vw*(Tstd+460)/29.92

Vm std = Vm*Yd*(Tstd+460)*(Pb+(ΔH/13.6))/(Tm+460)/29.92

Stack Moisture H_2O % = 100*Vw std/(Vw std+Vm std)

Comments:

Field Balance Calibration Check (500 g ± 0.5 g) 500.3

Ox Mountain Landfill

Flare (A-9)

		O_2	CO_2	NOx	CO	CH_4	VOC	ZERO
DATE	TIME	%	%	PPM	PPM	PPM	PPM	SPAN
8/6/2021	7:49:58 AM	0.17	0.05	0.08	0.40	3.1	0.07	
8/6/2021	7:58:00 AM	20.49	12.36	23.11	123.46	453.0	43.68	
8/6/2021	8:05:01 AM	14.47	8.32	12.52	83.86	253.1	24.79	
8/6/2021	8:06:01 AM			11.88				LINEARITY & NO_2 Check
8/6/2021	8:07:01 AM			12.04				
8/6/2021	8:08:02 AM			12.05				
8/6/2021	8:09:02 AM			12.01				
8/6/2021	8:10:02 AM			12.05				
8/6/2021	8:11:02 AM			12.07		147.0	13.80	
8/6/2021	12:24:46 PM					248.9	24.91	
8/6/2021	2:02:03 PM	14.52	8.11	0.07	-0.43	5.9	0.14	EXTERNAL BIAS
8/6/2021	2:06:04 PM	0.35	0.03	12.56				
8/6/2021	2:09:04 PM				85.12			

RUN 1		O_2	CO_2	NOx	CO	CH_4	VOC
DATE	TIME	%	%	PPM	PPM	PPM	PPM
8/6/2021	2:43:10 PM	14.99	5.15	13.08	60.93	19.6	0.11
8/6/2021	2:44:10 PM	15.01	5.13	13.09	58.91	10.2	0.30
8/6/2021	2:45:10 PM	15.07	5.11	12.73	59.67	15.5	-0.05
8/6/2021	2:46:11 PM	15.06	5.10	12.67	54.57	24.2	-0.05
8/6/2021	2:47:11 PM	14.95	5.18	12.93	52.43	25.3	0.40
8/6/2021	2:48:11 PM	15.07	5.08	12.94	55.38	24.4	0.30
8/6/2021	2:49:11 PM	14.65	5.46	14.14	51.79	19.2	0.26
8/6/2021	2:50:11 PM	15.16	5.02	12.54	85.70	14.6	0.04
8/6/2021	2:51:12 PM	15.38	4.84	11.94	73.24	24.9	0.16
8/6/2021	2:52:12 PM	15.25	4.98	11.96	63.62	23.1	0.28
8/6/2021	2:53:12 PM	15.24	4.96	11.83	60.29	15.1	0.11
8/6/2021	2:54:12 PM	15.81	4.58	11.16	57.55	13.2	-0.06
8/6/2021	2:55:12 PM	15.42	4.89	11.46	63.68	14.4	-0.05
8/6/2021	2:56:12 PM	15.04	5.21	12.57	38.21	18.2	-0.05
8/6/2021	2:57:13 PM	14.87	5.36	13.05	28.49	14.7	0.20
8/6/2021	2:58:13 PM	14.66	5.52	13.80	26.73	5.5	-0.03
8/6/2021	2:59:13 PM	13.59	6.40	16.10	22.78	-0.4	-0.05
8/6/2021	3:00:13 PM	12.49	7.44	20.14	18.77	-0.4	-0.05
PORT CHANGE							
8/6/2021	3:06:14 PM	16.80	3.71	6.42	31.50	65.8	0.98
8/6/2021	3:07:14 PM	16.69	3.69	8.39	45.26	39.0	0.89
8/6/2021	3:08:14 PM	15.99	4.32	9.99	47.97	42.1	1.59
8/6/2021	3:09:15 PM	15.87	4.44	11.21	51.14	41.7	1.05
8/6/2021	3:10:15 PM	16.32	4.04	10.23	49.96	41.7	0.95
8/6/2021	3:11:15 PM	16.08	4.22	10.21	49.14	63.6	1.08
8/6/2021	3:12:15 PM	15.67	4.58	11.46	46.85	53.1	0.92
8/6/2021	3:13:15 PM	15.76	4.51	11.59	46.57	34.7	1.15
8/6/2021	3:14:16 PM	15.40	4.84	12.07	60.97	30.3	1.06
8/6/2021	3:15:16 PM	15.28	4.91	12.06	67.63	47.7	1.08
8/6/2021	3:16:16 PM	15.09	5.09	12.84	65.53	55.5	0.94
8/6/2021	3:17:16 PM	15.02	5.18	12.50	64.06	40.7	0.48
8/6/2021	3:18:16 PM	15.00	5.21	13.28	60.90	38.8	0.87
8/6/2021	3:19:16 PM	15.58	4.68	11.86	48.98	40.9	1.18
8/6/2021	3:20:17 PM	14.67	5.48	13.27	46.63	27.2	0.42
8/6/2021	3:21:17 PM	15.62	4.70	12.83	46.13	26.2	-0.05
8/6/2021	3:22:17 PM	15.66	4.63	11.27	39.77	5.2	-0.05
8/6/2021	3:23:17 PM	15.15	5.11	12.37	40.14	1.8	-0.05
AVERAGE		**15.26**	**4.97**	**12.28**	**51.16**	**27.1**	**0.45**

8/6/2021	3:33:19 PM					250.4	24.67
8/6/2021	3:38:20 PM	14.53	8.38	0.26	-0.12	7.7	-0.01
8/6/2021	3:42:20 PM	0.11	0.10	12.72			
8/6/2021	3:44:21 PM				86.50		

RUN 2	O_2	CO_2	NOx	CO	CH_4	VOC
TIME	%	%	PPM	PPM	PPM	PPM
3:56:23 PM	15.40	4.89	11.1	36.2	15.7	0.22
3:57:23 PM	15.41	4.83	10.7	36.9	14.1	0.59
3:58:23 PM	15.40	4.88	10.6	36.0	28.4	0.54
3:59:23 PM	15.30	4.96	11.0	37.6	28.2	1.29
4:00:24 PM	15.25	4.99	10.8	43.4	13.0	1.20
4:01:24 PM	15.29	5.00	11.1	45.4	10.7	0.07
4:02:24 PM	15.39	4.88	10.6	42.7	14.0	0.42
4:03:24 PM	15.22	5.03	10.7	53.2	9.5	0.43
4:04:24 PM	15.08	5.18	10.8	60.2	1.7	0.12
4:05:24 PM	15.15	5.13	10.8	58.3	0.5	-0.05
4:06:25 PM	15.11	5.13	10.8	58.6	3.6	-0.05
4:07:25 PM	15.25	5.01	10.8	53.7	35.7	0.41
4:08:25 PM	15.25	5.02	10.6	54.3	6.7	1.32
4:09:25 PM	15.41	4.91	10.2	53.8	10.6	-0.02
4:10:25 PM	15.32	5.01	10.4	53.7	10.4	0.06
4:11:25 PM	15.29	5.03	10.5	52.9	15.9	0.54
4:12:26 PM	15.22	5.10	10.6	50.6	19.1	0.59
4:13:26 PM	15.25	5.05	10.5	53.4	19.4	0.71
PORT CHANGE						
4:19:27 PM	15.15	5.08	10.4	32.7	0.1	-0.05
4:20:27 PM	14.96	5.24	10.6	31.4	25.1	-0.05
4:21:27 PM	15.04	5.20	11.4	32.2	13.3	0.50
4:22:27 PM	14.86	5.33	11.7	30.7	-0.4	0.01
4:23:28 PM	14.88	5.34	11.7	30.0	27.3	-0.05
4:24:28 PM	14.80	5.37	11.8	28.7	53.8	0.69
4:25:28 PM	14.88	5.29	11.6	33.8	15.8	0.44
4:26:28 PM	14.79	5.39	11.2	47.5	43.6	0.29
4:27:28 PM	14.74	5.44	11.3	47.1	8.1	0.45
4:28:28 PM	14.89	5.32	11.2	49.8	64.9	0.22
4:29:29 PM	14.90	5.30	11.1	47.0	80.3	1.18
4:30:29 PM	14.85	5.34	11.2	47.9	31.1	1.40
4:31:29 PM	13.70	6.35	13.7	44.2	57.1	-0.05
4:32:29 PM	13.67	6.37	15.5	39.2	43.2	1.29
4:33:29 PM	13.46	6.55	15.4	38.9	30.5	0.29
4:34:29 PM	11.17	8.62	20.5	23.7	72.5	0.82
4:35:30 PM	11.27	8.57	22.1	10.3	44.8	1.07
4:36:30 PM	11.18	8.63	22.5	9.7	1.7	0.43
AVERAGE	**14.67**	**5.52**	**12.1**	**41.8**	**24.2**	**0.48**

4:47:32 PM					251.1	24.54
4:51:32 PM	14.51	8.15	0.12	-0.10	4.5	0.02
4:55:33 PM	0.08	0.04	12.65			
4:57:33 PM				86.15		

RUN 3	O_2	CO_2	NOx	CO	CH_4	VOC
TIME	%	%	PPM	PPM	PPM	PPM
5:04:35 PM	15.30	4.84	9.9	32.6	13.5	0.05
5:05:35 PM	15.40	4.80	9.9	33.9	11.4	-0.05
5:06:35 PM	15.35	4.81	10.3	31.8	10.7	-0.06
5:07:35 PM	15.42	4.78	10.1	34.5	25.0	-0.06
5:08:35 PM	15.41	4.74	10.0	33.5	25.2	0.49
5:09:36 PM	15.31	4.84	10.0	33.4	23.8	0.36
5:10:36 PM	15.09	5.06	10.4	39.7	25.3	0.42
5:11:36 PM	14.99	5.15	10.4	52.2	24.4	0.35
5:12:36 PM	15.00	5.14	10.4	53.7	23.2	0.36
5:13:36 PM	15.01	5.10	10.2	58.0	13.1	0.29
5:14:36 PM	15.04	5.10	10.1	70.5	14.6	0.16
5:15:37 PM	15.13	5.01	10.2	77.1	32.5	0.28
5:16:37 PM	15.13	5.03	10.0	79.0	9.8	0.53
5:17:37 PM	15.04	5.13	10.6	79.5	5.8	-0.05
5:18:37 PM	13.41	6.50	13.6	70.2	10.2	-0.05
5:19:37 PM	12.84	7.04	17.4	33.6	13.5	-0.06
5:20:37 PM	12.71	7.16	17.9	28.8	20.2	0.16
5:21:38 PM	12.73	7.16	17.6	29.6	26.5	0.38
PORT CHANGE						
5:27:39 PM	16.09	4.17	7.7	40.7	27.6	0.38
5:28:39 PM	16.09	4.18	7.9	41.1	33.5	0.57
5:29:39 PM	15.94	4.27	8.5	38.6	12.2	0.47
5:30:39 PM	16.03	4.23	8.6	74.9	9.1	0.00
5:31:39 PM	16.25	4.05	8.5	72.8	2.4	0.11
5:32:40 PM	16.06	4.19	8.5	38.7	3.1	-0.05
5:33:40 PM	15.80	4.39	9.0	40.9	2.3	-0.06
5:34:40 PM	15.58	4.60	9.5	57.9	6.3	-0.05
5:35:40 PM	15.54	4.66	9.4	61.2	9.9	-0.06
5:36:40 PM	15.37	4.80	9.4	64.1	14.6	-0.05
5:37:40 PM	15.16	4.97	10.1	76.4	28.0	0.22
5:38:41 PM	15.15	4.99	10.0	73.1	38.7	0.55
5:39:41 PM	15.13	5.00	10.1	54.3	31.6	0.68
5:40:41 PM	15.44	4.76	10.0	49.5	41.2	0.70
5:41:41 PM	15.57	4.63	9.4	43.7	33.2	0.75
5:42:41 PM	15.32	4.86	9.9	42.1	31.8	0.54
5:43:41 PM	15.62	4.60	9.3	45.2	28.9	0.55
5:44:42 PM	16.24	4.14	8.5	44.3	13.7	0.45
AVERAGE	**15.19**	**4.97**	**10.4**	**50.9**	**19.4**	**0.26**

5:51:43 PM					249.7	24.49
5:55:44 PM	14.61	8.12	0.43	-0.01	3.8	-0.04
5:57:44 PM	0.19	0.07	12.64			
6:02:45 PM				87.74		

BLUE SKY ENVIRONMENTAL,INC

(BAAQMD ST-23, CARB/EPA Method 4) Moisture Sampling Data Sheet

Facility: Ox Mtn
Location: UPPER A-9
Date: 8-6-21
Personnel: ~~TJC~~ + JR

Meter #: CM-2010-5
Yd: 1.0208
Pyrometer #: T-43864
TCM4-5

Pbar: 29.9
% O_2: —
% CO_2: —
% H_2O: —

AC

Point	Time	Meter Vol, Ft³	Temperature, °F Meter	Temperature, °F Imp.	Vacuum, "Hg	Meter ΔH
1	1443	119.117	84	34	5	1.8
2	5	122.9	81	42	5	1.8
3	10	126.6	80	43	5	1.8
4	15	130.338	80	43	5	1.8
5	20	134.0	77	43	5	1.8
6	25	137.6	77	44	5	1.8
END	30	141.405	—	—	—	—
TOTAL/AVG		22.288	79.8			

Initial Leak Check 0.003 CFM 15 "Hg
Final Leak Check >0.002 CFM 10 "Hg

	Initial	Final	Net
Impinger #1:	763.0	791.6	28.6
Impinger #2:	642.1	641.9	-0.2
Impinger #3:	576.2	576.3	0.1
Silica Gel:	854.7	858.1	3.4
Total Net:			31.9
% Moisture			—

AL

Point	Time	Meter Vol, Ft³	Temperature, °F Meter	Temperature, °F Imp.	Vacuum, "Hg	Meter ΔH
1	1552	141.507	78	36	5	1.8
2	5	145.1	76	43	5	1.8
3	10	148.7	76	43	5	1.8
4	15	152.3	76	44	5	1.8
5	20	155.9	74	44	5	1.8
6	25	159.5	75	45	5	1.8
END	30	163.093	—	—	—	—
TOTAL/AVG		21.586	75.8			

Initial Leak Check 0.004 CFM 15 "Hg
Final Leak Check >0.002 CFM 10 "Hg

	Initial	Final	Net
Impinger #1:	791.6	820.0	28.4
Impinger #2:	641.9	640.9	-1
Impinger #3:	576.3	575.9	-0.4
Silica Gel:	858.1	861.4	3.3
Total Net:			30.3
% Moisture			—

AC

Point	Time	Meter Vol, Ft³	Temperature, °F Meter	Temperature, °F Imp.	Vacuum, "Hg	Meter ΔH
1	1704	163.248	73	35	5	1.8
2	5	166.8	72	44	5	1.8
3	10	170.5	72	46	5	1.8
4	15	174.2	73	46	5	1.8
5	20	177.8	72	45	5	1.8
6	25	181.4	73	46	5	1.8
END	30	185.037	—	—	—	1.8
TOTAL/AVG		21.789	72.5			

Initial Leak Check >0.002 CFM 15 "Hg
Final Leak Check >0.002 CFM 10 "Hg

	Initial	Final	Net
Impinger #1:	820.0	852.2	32.2
Impinger #2:	640.9	644.3	3.4
Impinger #3:	575.9	577.4	1.5
Silica Gel:	861.4	869.1	7.7
Total Net:			44.8
% Moisture			—

Vw std = 0.00267*Vw*(Tstd+460)/29.92

Vm std = Vm*Yd*(Tstd+460)*(Pb+(ΔH/13.6))/(Tm+460)/29.92

Stack Moisture H_2O % = 100*Vw std/(Vw std+Vm std)

Comments:

Field Balance Calibration Check (500 g ± 0.5 g) 500.3

Process Information

		SCFM		Temp. °F	
Date	Time	A-7 MIN	A-7 MAX	A-7 MIN	A-7 MAX
		START RUN 1			
2021/08/06	08:46:00	1420	1444	1542	1548
2021/08/06	08:48:00	1420	1439	1533	1544
2021/08/06	08:50:00	1403	1439	1533	1540
2021/08/06	08:52:00	1411	1439	1531	1546
2021/08/06	08:54:00	1416	1438	1531	1539
2021/08/06	08:56:00	1417	1439	1537	1558
2021/08/06	08:58:00	1414	1446	1539	1552
2021/08/06	09:00:00	1424	1441	1535	1550
2021/08/06	09:02:00	1424	1447	1545	1556
2021/08/06	09:04:00	1428	1446	1539	1550
2021/08/06	09:06:00	1416	1457	1542	1548
2021/08/06	09:08:00	1435	1457	1545	1550
2021/08/06	09:10:00	1435	1456	1528	1553
2021/08/06	09:12:00	1435	1454	1528	1547
2021/08/06	09:14:00	1417	1451	1527	1542
2021/08/06	09:16:00	1430	1450	1534	1546
2021/08/06	09:18:00	1424	1444	1530	1538
2021/08/06	09:20:00	1420	1443	1538	1543
2021/08/06	09:22:00	1417	1439	1536	1548
2021/08/06	09:24:00	1420	1442	1545	1554
2021/08/06	09:26:00	1420	1437	1523	1547
2021/08/06	09:28:00	1414	1433	1533	1548
Average Run 1		**1433**		**1541**	
		START RUN 2			
2021/08/06	10:14:00	1426	1446	1538	1548
2021/08/06	10:16:00	1424	1448	1535	1542
2021/08/06	10:18:00	1411	1442	1531	1537
2021/08/06	10:20:00	1413	1448	1530	1554
2021/08/06	10:22:00	1424	1446	1538	1554
2021/08/06	10:24:00	1428	1450	1544	1549
2021/08/06	10:26:00	1425	1457	1536	1548
2021/08/06	10:28:00	1449	1468	1548	1567
2021/08/06	10:30:00	1431	1462	1550	1569
2021/08/06	10:32:00	1431	1455	1539	1554
2021/08/06	10:34:00	1423	1446	1541	1551
2021/08/06	10:36:00	1427	1444	1539	1550
2021/08/06	10:38:00	1420	1458	1533	1546
2021/08/06	10:40:00	1442	1461	1539	1553
2021/08/06	10:42:00	1443	1461	1545	1551
2021/08/06	10:44:00	1439	1464	1544	1552
2021/08/06	10:46:00	1440	1466	1537	1561
2021/08/06	10:48:00	1442	1461	1525	1548
2021/08/06	10:50:00	1426	1457	1537	1548
2021/08/06	10:52:00	1435	1462	1538	1549
2021/08/06	10:54:00	1431	1450	1537	1542
Average Run 2		**1442**		**1545**	
		START RUN 3			
2021/08/06	11:26:00	1454	1478	1543	1558
2021/08/06	11:28:00	1457	1473	1525	1543
2021/08/06	11:30:00	1457	1473	1520	1550
2021/08/06	11:32:00	1451	1470	1531	1548
2021/08/06	11:34:00	1442	1472	1535	1543
2021/08/06	11:36:00	1435	1463	1530	1548
2021/08/06	11:38:00	1434	1455	1525	1543
2021/08/06	11:40:00	1424	1449	1526	1536
2021/08/06	11:42:00	1434	1452	1531	1548
2021/08/06	11:44:00	1429	1457	1533	1545
2021/08/06	11:46:00	1435	1457	1529	1547
2021/08/06	11:48:00	1442	1461	1530	1543
2021/08/06	11:50:00	1442	1462	1540	1547
2021/08/06	11:52:00	1447	1464	1547	1563
2021/08/06	11:54:00	1449	1471	1549	1562
2021/08/06	11:56:00	1451	1471	1524	1549
2021/08/06	11:58:00	1461	1479	1535	1550
2021/08/06	12:00:00	1442	1472	1531	1548
2021/08/06	12:02:00	1438	1471	1526	1560
2021/08/06	12:04:00	1432	1456	1543	1559
2021/08/06	12:06:00	1432	1455	1537	1547
Average Run 3		**1454**		**1541**	

		SCFM		Temp. °F	
Date	Time	MIN	MAX	MIN	MAX
A-9 START RUN 1					
2021/08/06	14:42:00	1457	1538	1458	1464
2021/08/06	14:44:00	1472	1528	1444	1465
2021/08/06	14:46:00	1468	1540	1445	1476
2021/08/06	14:48:00	1466	1546	1476	1514
2021/08/06	14:50:00	1448	1540	1471	1508
2021/08/06	14:52:00	1471	1540	1458	1475
2021/08/06	14:54:00	1451	1536	1459	1466
2021/08/06	14:56:00	1470	1540	1438	1462
2021/08/06	14:58:00	1466	1558	1435	1466
2021/08/06	15:00:00	1475	1554	1447	1473
2021/08/06	15:02:00	1479	1549	1439	1463
2021/08/06	15:04:00	1478	1563	1463	1494
2021/08/06	15:06:00	1457	1550	1447	1487
2021/08/06	15:08:00	1473	1538	1448	1457
2021/08/06	15:10:00	1466	1553	1453	1467
2021/08/06	15:12:00	1452	1544	1461	1469
2021/08/06	15:14:00	1471	1553	1456	1474
2021/08/06	15:16:00	1509	1640	1461	1472
2021/08/06	15:18:00	1472	1564	1449	1467
2021/08/06	15:20:00	1477	1570	1457	1478
2021/08/06	15:22:00	1490	1551	1450	1459
2021/08/06	15:24:00	1485	1581	1453	1465
Average Run 1		**1512**		**1463**	
A-9 START RUN 2					
2021/08/06	15:56:00	1479	1566	1461	1469
2021/08/06	15:58:00	1486	1550	1462	1469
2021/08/06	16:00:00	1482	1551	1462	1468
2021/08/06	16:02:00	1467	1551	1462	1477
2021/08/06	16:04:00	1494	1565	1468	1481
2021/08/06	16:06:00	1476	1566	1455	1472
2021/08/06	16:08:00	1481	1561	1457	1466
2021/08/06	16:10:00	1485	1567	1453	1461
2021/08/06	16:12:00	1479	1558	1453	1464
2021/08/06	16:14:00	1468	1570	1464	1480
2021/08/06	16:16:00	1486	1559	1470	1480
2021/08/06	16:18:00	1477	1550	1468	1477
2021/08/06	16:20:00	1489	1592	1466	1480
2021/08/06	16:22:00	1520	1599	1471	1482
2021/08/06	16:24:00	1489	1598	1466	1481
2021/08/06	16:26:00	1498	1609	1473	1478
2021/08/06	16:28:00	1509	1592	1472	1477
2021/08/06	16:30:00	1525	1608	1471	1487
2021/08/06	16:32:00	1518	1627	1486	1504
2021/08/06	16:34:00	1491	1613	1480	1486
2021/08/06	16:36:00	1497	1584	1476	1483
Average Run 2		**1534**		**1472**	
A-9 START RUN 3					
2021/08/06	17:04:00	1493	1571	1466	1482
2021/08/06	17:06:00	1495	1565	1463	1475
2021/08/06	17:08:00	1498	1569	1463	1474
2021/08/06	17:10:00	1505	1572	1463	1471
2021/08/06	17:12:00	1490	1575	1454	1464
2021/08/06	17:14:00	1480	1578	1452	1470
2021/08/06	17:16:00	1491	1565	1465	1474
2021/08/06	17:18:00	1506	1569	1462	1474
2021/08/06	17:20:00	1506	1580	1459	1467
2021/08/06	17:22:00	1484	1579	1455	1463
2021/08/06	17:24:00	1490	1569	1450	1463
2021/08/06	17:26:00	1471	1564	1459	1468
2021/08/06	17:28:00	1469	1563	1455	1478
2021/08/06	17:30:00	1493	1578	1465	1483
2021/08/06	17:32:00	1494	1568	1462	1481
2021/08/06	17:34:00	1490	1571	1477	1483
2021/08/06	17:36:00	1502	1586	1475	1484
2021/08/06	17:38:00	1505	1594	1466	1482
2021/08/06	17:40:00	1514	1640	1468	1481
2021/08/06	17:42:00	1498	1587	1462	1481
2021/08/06	17:44:00	1492	1565	1461	1476
Average Run 3		**1535**		**1468**	

Calibration Gas Certificates

Airgas Specialty Gases
Airgas USA, LLC
525 North Industrial Loop Road
Tooele, UT 84074
Airgas.com

CERTIFICATE OF ANALYSIS

Grade of Product: EPA Protocol

Part Number:	E03NI77E15A4189	Reference Number:	153-402121851-1
Cylinder Number:	EB0142219	Cylinder Volume:	150.3 CF
Laboratory:	124 - Tooele (SAP) - UT	Cylinder Pressure:	2015 PSIG
PGVP Number:	B72021	Valve Outlet:	590
Gas Code:	CO2,O2,BALN	Certification Date:	Jun 01, 2021

Expiration Date: Jun 01, 2029

Certification performed in accordance with "EPA Traceability Protocol for Assay and Certification of Gaseous Calibration Standards (May 2012)" document EPA 600/R-12/531, using the assay procedures listed. Analytical Methodology does not require correction for analytical interference. This cylinder has a total analytical uncertainty as stated below with a confidence level of 95%. There are no significant impurities which affect the use of this calibration mixture. All concentrations are on a mole/mole basis unless otherwise noted.

Do Not Use This Cylinder below 100 psig, i.e. 0.7 megapascals.

ANALYTICAL RESULTS

Component	Requested Concentration	Actual Concentration	Protocol Method	Total Relative Uncertainty	Assay Dates
CARBON DIOXIDE	8.250 %	8.186 %	G1	+/- 0.7% NIST Traceable	06/01/2021
OXYGEN	14.50 %	14.52 %	G1	+/- 0.7% NIST Traceable	06/01/2021
NITROGEN	Balance				

CALIBRATION STANDARDS

Type	Lot ID	Cylinder No	Concentration	Uncertainty	Expiration Date
NTRM	13060405	CC411744	7.489 % CARBON DIOXIDE/NITROGEN	0.6%	May 14, 2025
NTRM	98051010	SG9161286BAL	12.05 % OXYGEN/NITROGEN	0.7%	Dec 14, 2023

ANALYTICAL EQUIPMENT

Instrument/Make/Model	Analytical Principle	Last Multipoint Calibration
Horiba VIA-510 SV4MEUTJ CO2	CO2 NDIR (Dixon)	May 20, 2021
Horiba MPA-510 W603MM58 O2	O2 Paramagnetic (Mason)	May 13, 2021

Triad Data Available Upon Request

Signature on file
Approved for Release

Airgas Specialty Gases
Airgas USA, LLC
525 North Industrial Loop Road
Tooele, UT 84074
Airgas.com

CERTIFICATE OF ANALYSIS

Grade of Product: EPA Protocol

Part Number:	E03NI67E15A4187	Reference Number:	153-401689205-1
Cylinder Number:	ALM057915	Cylinder Volume:	153.8 CF
Laboratory:	124 - Tooele (SAP) - UT	Cylinder Pressure:	2015 PSIG
PGVP Number:	B72019	Valve Outlet:	590
Gas Code:	CO2,O2,BALN	Certification Date:	Dec 31, 2019

Expiration Date: Dec 31, 2027

Certification performed in accordance with "EPA Traceability Protocol for Assay and Certification of Gaseous Calibration Standards (May 2012)" document EPA 600/R-12/531, using the assay procedures listed. Analytical Methodology does not require correction for analytical interference. This cylinder has a total analytical uncertainty as stated below with a confidence level of 95%. There are no significant impurities which affect the use of this calibration mixture. All concentrations are on a mole/mole basis unless otherwise noted.

Do Not Use This Cylinder below 100 psig, i.e. 0.7 megapascals.

ANALYTICAL RESULTS

Component	Requested Concentration	Actual Concentration	Protocol Method	Total Relative Uncertainty	Assay Dates
CARBON DIOXIDE	12.50 %	12.43 %	G1	+/- 0.7% NIST Traceable	12/31/2019
OXYGEN	20.50 %	20.66 %	G1	+/- 0.3% NIST Traceable	12/31/2019
NITROGEN	Balance				

CALIBRATION STANDARDS

Type	Lot ID	Cylinder No	Concentration	Uncertainty	Expiration Date
NTRM	13060628	CC413727	13.359 % CARBON DIOXIDE/NITROGEN	0.6%	May 14, 2025
NTRM	12062019	CC367606	22.883 % OXYGEN/NITROGEN	0.050%	May 14, 2024

ANALYTICAL EQUIPMENT

Instrument/Make/Model	Analytical Principle	Last Multipoint Calibration
Horiba VIA-510 SV4MEUTJ CO2	CO2 NDIR (Dixon)	Dec 12, 2019
Horiba MPA-510 W603MM58 O2	O2 Paramagnetic (Mason)	Dec 30, 2019

Triad Data Available Upon Request

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Approved for Release

CERTIFICATE OF ANALYSIS

Grade of Product: EPA Protocol

Part Number:	E03NI99E15A1274	Reference Number:	153-401878821-1
Cylinder Number:	CC403746	Cylinder Volume:	144.3 CF
Laboratory:	124 - Tooele (SAP) - UT	Cylinder Pressure:	2015 PSIG
PGVP Number:	B72020	Valve Outlet:	660
Gas Code:	CO,NO,NOX,BALN	Certification Date:	Aug 24, 2020

Expiration Date: Aug 24, 2023

Certification performed in accordance with "EPA Traceability Protocol for Assay and Certification of Gaseous Calibration Standards (May 2012)" document EPA 600/R-12/531, using the assay procedures listed. Analytical Methodology does not require correction for analytical interference. This cylinder has a total analytical uncertainty as stated below with a confidence level of 95%. There are no significant impurities which affect the use of this calibration mixture. All concentrations are on a mole/mole basis unless otherwise noted.

Do Not Use This Cylinder below 100 psig, i.e. 0.7 megapascals.

ANALYTICAL RESULTS

Component	Requested Concentration	Actual Concentration	Protocol Method	Total Relative Uncertainty	Assay Dates
NOX	12.50 PPM	12.29 PPM	G1	+/- 1.1% NIST Traceable	08/17/2020, 08/24/2020
CARBON MONOXIDE	12.50 PPM	12.63 PPM	G1	+/- 0.6% NIST Traceable	08/17/2020
NITRIC OXIDE	12.50 PPM	12.20 PPM	G1	+/- 1.2% NIST Traceable	08/17/2020, 08/24/2020
NITROGEN	Balance			-	

CALIBRATION STANDARDS

Type	Lot ID	Cylinder No	Concentration	Uncertainty	Expiration Date
NTRM	08011130	KAL004049	9.855 PPM CARBON MONOXIDE/NITROGEN	0.5%	Jun 05, 2024
NTRM	16060759	CC465111	10.08 PPM NITRIC OXIDE/NITROGEN	1.0%	Oct 16, 2022
NTRM	16060759	CC465111-NOX	10.08 PPM NOx/NITROGEN	1.0%	Oct 16, 2022

ANALYTICAL EQUIPMENT

Instrument/Make/Model	Analytical Principle	Last Multipoint Calibration
Thermo 48i-TLE 1163640031 CO	CO NDIR (Mason)	Jul 23, 2020
Thermo 42i-LS 1123749327 NO	Chemiluminescence (Mason)	Aug 17, 2020
Thermo 42i-LS 1123749327 NOx	Chemiluminescence (Mason)	Aug 17, 2020

Triad Data Available Upon Request

Signature on file

Approved for Release

CERTIFICATE OF ANALYSIS

Grade of Product: EPA Protocol

Part Number:	E03NI99E15AC356	Reference Number:	153-401778314-1
Cylinder Number:	CC418952	Cylinder Volume:	144.3 CF
Laboratory:	124 - Tooele (SAP) - UT	Cylinder Pressure:	2015 PSIG
PGVP Number:	B72020	Valve Outlet:	660
Gas Code:	CO,NO,NOX,BALN	Certification Date:	Apr 13, 2020

Expiration Date: Apr 13, 2023

Certification performed in accordance with "EPA Traceability Protocol for Assay and Certification of Gaseous Calibration Standards (May 2012)" document EPA 600/R-12/531, using the assay procedures listed. Analytical Methodology does not require correction for analytical interference. This cylinder has a total analytical uncertainty as stated below with a confidence level of 95%. There are no significant impurities which affect the use of this calibration mixture. All concentrations are on a mole/mole basis unless otherwise noted.

Do Not Use This Cylinder below 100 psig, i.e. 0.7 megapascals.

ANALYTICAL RESULTS

Component	Requested Concentration	Actual Concentration	Protocol Method	Total Relative Uncertainty	Assay Dates
NOX	22.50 PPM	22.79 PPM	G1	+/- 1.1% NIST Traceable	04/06/2020, 04/13/2020
CARBON MONOXIDE	22.50 PPM	22.60 PPM	G1	+/- 0.4% NIST Traceable	04/06/2020
NITRIC OXIDE	22.50 PPM	22.72 PPM	G1	+/- 1.2% NIST Traceable	04/06/2020, 04/13/2020
NITROGEN	Balance			-	

CALIBRATION STANDARDS

Type	Lot ID	Cylinder No	Concentration	Uncertainty	Expiration Date
NTRM	15010203	KAL003073	24.35 PPM CARBON MONOXIDE/NITROGEN	0.3%	Sep 04, 2021
NTRM	12010424	ND44764	19.94 PPM NITRIC OXIDE/NITROGEN	1.1%	Feb 13, 2024
NTRM	12010424	ND44764-NOX	19.94 PPM NOx/NITROGEN	1.1%	Feb 13, 2024

ANALYTICAL EQUIPMENT

Instrument/Make/Model	Analytical Principle	Last Multipoint Calibration
Thermo 48i-TLE 1163640031 CO	CO NDIR (Mason)	Mar 09, 2020
Thermo 42i-LS 1123749327 NO	Chemiluminescence (Mason)	Apr 09, 2020
Thermo 42i-LS 1123749327 NOx	Chemiluminescence (Mason)	Apr 09, 2020

Triad Data Available Upon Request

Signature on file

Approved for Release

Airgas Specialty Gases
Airgas USA, LLC
525 North Industrial Loop Road
Tooele, UT 84074
Airgas.com

CERTIFICATE OF ANALYSIS

Grade of Product: EPA Protocol

Part Number:	E03NI99E15A0457	Reference Number:	153-402016158-1
Cylinder Number:	EB0085482	Cylinder Volume:	144.3 CF
Laboratory:	124 - Tooele (SAP) - UT	Cylinder Pressure:	2015 PSIG
PGVP Number:	B72021	Valve Outlet:	660
Gas Code:	CO,NO,NOX,BALN	Certification Date:	Feb 05, 2021

Expiration Date: Feb 05, 2029

Certification performed in accordance with "EPA Traceability Protocol for Assay and Certification of Gaseous Calibration Standards (May 2012)" document EPA 600/R-12/531, using the assay procedures listed. Analytical Methodology does not require correction for analytical interference. This cylinder has a total analytical uncertainty as stated below with a confidence level of 95%. There are no significant impurities which affect the use of this calibration mixture. All concentrations are on a mole/mole basis unless otherwise noted.

Do Not Use This Cylinder below 100 psig, i.e. 0.7 megapascals.

ANALYTICAL RESULTS

Component	Requested Concentration	Actual Concentration	Protocol Method	Total Relative Uncertainty	Assay Dates
NOX	85.00 PPM	86.08 PPM	G1	+/- 1.1% NIST Traceable	01/29/2021, 02/05/2021
CARBON MONOXIDE	85.00 PPM	85.34 PPM	G1	+/- 0.7% NIST Traceable	01/29/2021
NITRIC OXIDE	85.00 PPM	85.94 PPM	G1	+/- 1.1% NIST Traceable	01/29/2021, 02/05/2021
NITROGEN	Balance				

CALIBRATION STANDARDS

Type	Lot ID	Cylinder No	Concentration	Uncertainty	Expiration Date
NTRM	14060737	CC434385	49.88 PPM CARBON MONOXIDE/NITROGEN	0.6%	Feb 13, 2026
PRM	12386	D685025	9.91 PPM NITROGEN DIOXIDE/AIR	2.0%	Feb 20, 2020
NTRM	20061002	CC708031	98.61 PPM NITRIC OXIDE/NITROGEN	0.9%	Oct 06, 2026
GMIS	401203436105	CC513880	4.732 PPM NITROGEN DIOXIDE/NITROGEN	2.1%	May 02, 2022

The SRM, PRM or RGM noted above is only in reference to the GMIS used in the assay and not part of the analysis.

ANALYTICAL EQUIPMENT

Instrument/Make/Model	Analytical Principle	Last Multipoint Calibration
Nicolet 6700 AMP0900119 CO LCO	FTIR	Jan 27, 2021
Nicolet 6700 AMP0900119 NO LNO	FTIR	Jan 14, 2021
Nicolet 6700 AMP0900119 NO2 impurity	FTIR NO2 impurity	Jan 14, 2021

Triad Data Available Upon Request

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Approved for Release

Airgas Specialty Gases
Airgas USA, LLC
525 North Industrial Loop Road
Tooele, UT 84074
Airgas.com

CERTIFICATE OF ANALYSIS

Grade of Product: EPA Protocol

Part Number:	E03NI99E15A0362	Reference Number:	153-401622843-1
Cylinder Number:	CC449821	Cylinder Volume:	144.4 CF
Laboratory:	124 - Tooele (SAP) - UT	Cylinder Pressure:	2015 PSIG
PGVP Number:	B72019	Valve Outlet:	660
Gas Code:	CO,NO,NOX,BALN	Certification Date:	Oct 22, 2019

Expiration Date: Oct 22, 2027

Certification performed in accordance with "EPA Traceability Protocol for Assay and Certification of Gaseous Calibration Standards (May 2012)" document EPA 600/R-12/531, using the assay procedures listed. Analytical Methodology does not require correction for analytical interference. This cylinder has a total analytical uncertainty as stated below with a confidence level of 95%. There are no significant impurities which affect the use of this calibration mixture. All concentrations are on a mole/mole basis unless otherwise noted.

Do Not Use This Cylinder below 100 psig, i.e. 0.7 megapascals.

ANALYTICAL RESULTS

Component	Requested Concentration	Actual Concentration	Protocol Method	Total Relative Uncertainty	Assay Dates
NOX	125.0 PPM	125.1 PPM	G1	+/- 1.2% NIST Traceable	10/15/2019, 10/22/2019
CARBON MONOXIDE	125.0 PPM	124.4 PPM	G1	+/- 0.6% NIST Traceable	10/15/2019
NITRIC OXIDE	125.0 PPM	124.8 PPM	G1	+/- 1.1% NIST Traceable	10/15/2019, 10/22/2019
NITROGEN	Balance			-	

CALIBRATION STANDARDS

Type	Lot ID	Cylinder No	Concentration	Uncertainty	Expiration Date
NTRM	09010232	KAL004879	98.48 PPM CARBON MONOXIDE/NITROGEN	0.5%	Oct 16, 2024
PRM	12376	D562879	10.01 PPM NITROGEN DIOXIDE/NITROGEN	2.0%	Aug 17, 2018
NTRM	17060215	CC481970	100.3 PPM NITRIC OXIDE/NITROGEN	1.0%	Jul 23, 2023
GMIS	7301017103	CC506597	4.451 PPM NITROGEN DIOXIDE/NITROGEN	2.0%	Dec 18, 2020

The SRM, PRM or RGM noted above is only in reference to the GMIS used in the assay and not part of the analysis.

ANALYTICAL EQUIPMENT

Instrument/Make/Model	Analytical Principle	Last Multipoint Calibration
Nicolet 6700 AMP0900119 CO LCO	FTIR	Oct 09, 2019
Nicolet 6700 AMP0900119 NO LNO	FTIR	Oct 03, 2019
Nicolet 6700 AMP0900119 NO2 impurity	FTIR NO2 impurity	Oct 03, 2019

Triad Data Available Upon Request

Signature on file

Approved for Release

CERTIFICATE OF ANALYSIS

Grade of Product: EPA Protocol

Part Number:	E03AI99E15A0080	Reference Number:	153-401926036-1
Cylinder Number:	EB0108874	Cylinder Volume:	146.2 CF
Laboratory:	124 - Tooele (SAP) - UT	Cylinder Pressure:	2015 PSIG
PGVP Number:	B72020	Valve Outlet:	590
Gas Code:	CH4,PPN,BALA	Certification Date:	Oct 12, 2020

Expiration Date: Oct 12, 2028

Certification performed in accordance with "EPA Traceability Protocol for Assay and Certification of Gaseous Calibration Standards (May 2012)" document EPA 600/R-12/531, using the assay procedures listed. Analytical Methodology does not require correction for analytical interference. This cylinder has a total analytical uncertainty as stated below with a confidence level of 95%. There are no significant impurities which affect the use of this calibration mixture. All concentrations are on a mole/mole basis unless otherwise noted.

Do Not Use This Cylinder below 100 psig, i.e. 0.7 megapascals.

ANALYTICAL RESULTS

Component	Requested Concentration	Actual Concentration	Protocol Method	Total Relative Uncertainty	Assay Dates
PROPANE	5.000 PPM	4.742 PPM x3 = 14.226	G1	+/- 1.0% NIST Traceable	10/12/2020
METHANE	150.0 PPM	149.9 PPM	G1	+/- 0.7% NIST Traceable	10/12/2020
AIR	Balance	THC = 164.126		-	

CALIBRATION STANDARDS

Type	Lot ID	Cylinder No	Concentration	Uncertainty	Expiration Date
NTRM	17060920	ND61604	9.8 PPM PROPANE/AIR	0.5%	Jul 24, 2023
NTRM	16060812	CC471305	98.84 PPM METHANE/AIR	0.6%	Mar 28, 2022

ANALYTICAL EQUIPMENT

Instrument/Make/Model	Analytical Principle	Last Multipoint Calibration
Nicolet 6700 AMP0900119 CH4 M1CH4	FTIR	Oct 02, 2020
MKS FTIR C3H8 018143349	FTIR	Sep 30, 2020

Triad Data Available Upon Request

Signature on file

Approved for Release

CERTIFICATE OF ANALYSIS

Grade of Product: EPA Protocol

Part Number:	E03AI99E15A0081	Reference Number:	153-401800645-1
Cylinder Number:	CC420360	Cylinder Volume:	146.2 CF
Laboratory:	124 - Tooele (SAP) - UT	Cylinder Pressure:	2015 PSIG
PGVP Number:	B72020	Valve Outlet:	590
Gas Code:	CH4,PPN,BALA	Certification Date:	May 05, 2020

Expiration Date: May 05, 2028

Certification performed in accordance with "EPA Traceability Protocol for Assay and Certification of Gaseous Calibration Standards (May 2012)" document EPA 600/R-12/531, using the assay procedures listed. Analytical Methodology does not require correction for analytical interference. This cylinder has a total analytical uncertainty as stated below with a confidence level of 95%. There are no significant impurities which affect the use of this calibration mixture. All concentrations are on a mole/mole basis unless otherwise noted.

Do Not Use This Cylinder below 100 psig, i.e. 0.7 megapascals.

ANALYTICAL RESULTS

Component	Requested Concentration	Actual Concentration	Protocol Method	Total Relative Uncertainty	Assay Dates
PROPANE	8.500 PPM	8.541 PPM x3 = 25.623	G1	+/- 1.4% NIST Traceable	05/05/2020
METHANE	250.0 PPM	250.2 PPM	G1	+/- 0.7% NIST Traceable	05/04/2020
AIR	Balance	THC = 275.823		-	

CALIBRATION STANDARDS

Type	Lot ID	Cylinder No	Concentration	Uncertainty	Expiration Date
NTRM	17060920	ND61604	9.8 PPM PROPANE/AIR	0.5%	Jul 24, 2023
NTRM	08011514	K021368	246.7 PPM METHANE/AIR	0.6%	May 15, 2025

ANALYTICAL EQUIPMENT

Instrument/Make/Model	Analytical Principle	Last Multipoint Calibration
Nicolet 6700 AMP0900119 CH4 M1CH4	FTIR	Apr 08, 2020
MKS FTIR C3H8 018143349	FTIR	Apr 14, 2020

Triad Data Available Upon Request

Signature on file

Approved for Release

CERTIFICATE OF ANALYSIS

Grade of Product: EPA Protocol

Part Number:	E03AI99E15A0082	Reference Number:	153-401926038-1
Cylinder Number:	CC351437	Cylinder Volume:	146.2 CF
Laboratory:	124 - Tooele (SAP) - UT	Cylinder Pressure:	2015 PSIG
PGVP Number:	B72020	Valve Outlet:	590
Gas Code:	CH4,PPN,BALA	Certification Date:	Oct 12, 2020

Expiration Date: Oct 12, 2028

Certification performed in accordance with "EPA Traceability Protocol for Assay and Certification of Gaseous Calibration Standards (May 2012)" document EPA 600/R-12/531, using the assay procedures listed. Analytical Methodology does not require correction for analytical interference. This cylinder has a total analytical uncertainty as stated below with a confidence level of 95%. There are no significant impurities which affect the use of this calibration mixture. All concentrations are on a mole/mole basis unless otherwise noted.

Do Not Use This Cylinder below 100 psig, i.e. 0.7 megapascals.

ANALYTICAL RESULTS

Component	Requested Concentration	Actual Concentration	Protocol Method	Total Relative Uncertainty	Assay Dates
PROPANE	15.00 PPM	14.96 PPM x3 = 44.88	G1	+/- 1.0% NIST Traceable	10/12/2020
METHANE	450.0 PPM	446.0 PPM	G1	+/- 0.9% NIST Traceable	10/12/2020
AIR	Balance	THC = 490.88		-	

CALIBRATION STANDARDS

Type	Lot ID	Cylinder No	Concentration	Uncertainty	Expiration Date
NTRM	17060920	ND61604	9.8 PPM PROPANE/AIR	0.5%	Jul 24, 2023
NTRM	08011514	K021368	246.7 PPM METHANE/AIR	0.6%	May 15, 2025

ANALYTICAL EQUIPMENT

Instrument/Make/Model	Analytical Principle	Last Multipoint Calibration
Nicolet 6700 AMP0900119 CH4 M1CH4	FTIR	Oct 02, 2020
MKS FTIR C3H8 018143349	FTIR	Sep 30, 2020

Triad Data Available Upon Request

Signature on file

Approved for Release

CERTIFICATE OF ANALYSIS

Grade of Product: EPA Protocol

Part Number:	E03NI99E15W0021	Reference Number:	54-401874351-1
Cylinder Number:	CC513361	Cylinder Volume:	144.4 CF
Laboratory:	124 - Chicago (SAP) - IL	Cylinder Pressure:	2015 PSIG
PGVP Number:	B12020	Valve Outlet:	660
Gas Code:	NO2,O2,BALN	Certification Date:	Aug 19, 2020

Expiration Date: Aug 19, 2023

Certification performed in accordance with "EPA Traceability Protocol for Assay and Certification of Gaseous Calibration Standards (May 2012)" document EPA 600/R-12/531, using the assay procedures listed. Analytical Methodology does not require correction for analytical interference. This cylinder has a total analytical uncertainty as stated below with a confidence level of 95%. There are no significant impurities which affect the use of this calibration mixture. All concentrations are on a mole/mole basis unless otherwise noted.

Do Not Use This Cylinder below 100 psig, i.e. 0.7 megapascals.

ANALYTICAL RESULTS

Component	Requested Concentration	Actual Concentration	Protocol Method	Total Relative Uncertainty	Assay Dates
NITROGEN DIOXIDE	12.00 PPM	12.59 PPM	G1	+/- 2.1% NIST Traceable	08/03/2020, 08/19/2020
NITROGEN	Balance			-	

CALIBRATION STANDARDS

Type	Lot ID	Cylinder No	Concentration	Uncertainty	Expiration Date
GMIS	7042010104	CC500333	15 PPM NITROGEN DIOXIDE/NITROGEN	+/- 2.1%	Jul 03, 2022
PRM	12386	D685025	9.91 PPM NITROGEN DIOXIDE/AIR	+/- 2.0%	Feb 20, 2020

The SRM, PRM or RGM noted above is only in reference to the GMIS used in the assay and not part of the analysis.

ANALYTICAL EQUIPMENT

Instrument/Make/Model	Analytical Principle	Last Multipoint Calibration
MKS FTIR NO2 017707558	FTIR	Aug 14, 2020

Triad Data Available Upon Request

Signature on file

Approved for Release

Equipment Calibrations

METHOD 5 DRY GAS METER CALIBRATION USING CRITICAL ORIFICES

1) Select three critical orifices to calibrate the dry gas meter which bracket the expected operating range.
2) Record barometric pressure before and after calibration procedure.
3) Run at tested vacuum (from Orifice Calibration Report), for a period of time necessary to achieve a minimum total volume of 5 cubic feet.
4) Record readings in outlined boxes below, other columns are automatically calculated.

NEW METER ON 12-13

DATE:	6/28/21	METER SERIAL #:	269821	BAROMETRIC PRESSURE (in Hg):	INITIAL: 30.10	FINAL: 30.10	AVG (P_{bar}): 30.10
METER PART #:	CM-2010-5	CRITICAL ORIFICE SET SERIAL #:	1380S				

IF Y VARIATION EXCEEDS 2.00%, ORIFICE SHOULD BE RECALIBRATED

ORIFICE #	RUN #	K' FACTOR (AVG)	TESTED VACUUM (in Hg)	DGM READINGS (FT^3) INITIAL	DGM READINGS (FT^3) FINAL	DGM READINGS (FT^3) NET (V_m)	TEMPERATURES °F AMBIENT	TEMPERATURES °F DGM INLET INITIAL	TEMPERATURES °F DGM INLET FINAL	TEMPERATURES °F DGM AVG	ELAPSED TIME (MIN) θ	DGM ΔH (in H_2O)	(1) V_m (STD)	(2) V_{cr} (STD)	(3) Y	Y VARIATION (%)	$\Delta H_@$
16	1	0.4258	20	829.401	834.877	5.476	74	76	77	76.5	10.00	0.95	5.4353	5.5479	1.0207		1.7287
	2	0.4258	20	834.877	840.653	5.776	75	77	77	77.0	10.50	0.95	5.7277	5.8198	1.0161		1.7303
	3	0.4258	20	840.653	846.144	5.491	75	71	78	74.5	10.00	0.95	5.4705	5.5427	1.0132		1.7384
														AVG =	1.0167	-0.41	
22	1	0.5856	18	846.144	853.606	7.462	75	77	78	77.5	10.00	1.90	7.4097	7.6228	1.0288		1.8264
	2	0.5856	18	853.606	859.596	5.990	76	78	78	78.0	8.00	1.90	5.9425	6.0926	1.0252		1.8281
	3	0.5856	18	859.596	865.967	6.371	76	78	79	78.5	8.50	1.90	6.3146	6.4734	1.0251		1.8264
														AVG =	1.0264	0.54	
25	1	0.6767	16	865.967	872.037	6.070	76	79	79	79.0	7.00	2.50	6.0195	6.1603	1.0234		1.8006
	2	0.6767	16	872.037	878.142	6.105	76	79	79	79.0	7.00	2.50	6.0542	6.1603	1.0175		1.8006
	3	0.6767	16	878.142	884.248	6.106	76	79	79	79.0	7.00	2.50	6.0552	6.1603	1.0174		1.8006
														AVG =	1.0194	-0.14	

USING THE CRITICAL ORIFICES AS CALIBRATION STANDARDS:
The following equations are used to calculate the standard volumes of air passed through the DGM, V_m (std), and the critical orifice, V_{cr} (std), and the DGM calibration factor, Y. These equations are automatically calculated in the spreadsheet above.

AVERAGE DRY GAS METER CALIBRATION FACTOR, Y =	1.0208	
PREVIOUS AVERAGE DRY GAS METER CALIBRATION FACTOR, Y =	1.0094	1.12 PASS
AVERAGE $\Delta H_@$ =	1.7867	

(1) $$Vm_{(std)} = K_1 * Vm * \frac{Pbar + (\Delta H / 13.6)}{Tm}$$

= Net volume of gas sample passed through DGM, corrected to standard conditions

K_1 = 17.64 °R/in. Hg (English), 0.3858 °K/mm Hg (Metric)

T_m = Absolute DGM avg. temperature (°R - English, °K - Metric)

(2) $$Vcr_{(std)} = K' * \frac{Pbar * \Theta}{\sqrt{Tamb}}$$

= Volume of gas sample passed through the critical orifice, corrected to standard conditions

T_{amb} = Absolute ambient temperature (°R - English, °K - Metric)

K' = Average K' factor from Critical Orifice Calibration

(3) $$Y = \frac{Vcr_{(std)}}{Vm_{(std)}}$$

= DGM calibration factor

$$\Delta H_@ = \left(\frac{0.75\,\theta}{V_{cr(std)}}\right)^2 \Delta H \left(\frac{V_{m(std)}}{V_m}\right)$$

BLUE SKY ENVIRONMENTAL, INC

Thermometer/Thermocouple Calibration

Item **CM-2010-5 DGM TC & Digital Thermocouple Display**

Units °F

Reference Devices **NIST Standards: Mercury -30 - 120 °F 304937**
Mercury 0 - 230 °F T2022-1
Mercury 14 - 590 °F T315C
TC Simulator: FLUKE 724 TEMPERATURE CALIBRATOR
Pyrometer: FLUKE 724 TEMPERATURE CALIBRATOR

Reference Values Ice Water **32** Ambient **74**
Boiling Water **212**

CALIBRATION DATE	T/C IDENTIFICATION	REFERENCE READING	DEVICE READING	°F DIFFERENCE <400°F	% DIFFERENCE >400°F	CALIBRATED BY
6/28/2021	STACK	32	31	1		TJ E
		212	212	0		
		932	930	2	0.21	
		1832	1830	2	0.11	
6/28/2021	PROBE	32	31	1		TJ E
		212	212	0		
		932	930	2	0.21	
		1832	1830	2	0.11	
6/28/2021	FILTER	32	32	0		TJ E
		212	212	0		
		932	930	2	0.21	
		1832	1830	2	0.11	
6/28/2021	DRYER	32	31	1		TJ E
		212	212	0		
		932	930	2	0.21	
		1832	1830	2	0.11	
6/28/2021	AUX	32	32	0		TJ E
		212	211	1		
		932	930	2	0.21	
		1832	1829	3	0.16	
6/28/2021	TC OUT	Ice Water 32	32	0		TJ E
		Ambient 74	75	-1		
		Boiling Wa 212	212	0		

40CFR60, Appendix, Method 2
Tolerance Limits: +/- 4 °F for <400°F
Tolerance Limits: +/- 1.5% for >400°F
Calibration Frequency: 6 mo.

BLUE SKY ENVIRONMENTAL, INC

Thermometer/Thermocouple Calibration

Item	**JR VAN TCs**				
Units	°F				
Reference Devices	**NIST Standards:**	**Mercury -30 - 120 °F 304937**			
		Mercury 0 - 230 °F T2022-1			
		Mercury 14 - 590 °F T315C			
	TC Simulator:	FLUKE 724 TEMPERATURE CALIBRATOR			
	Pyrometer:	FLUKE 724 TEMPERATURE CALIBRATOR			
Reference Values	Ice Water	**32**	Ambient	**64**	
	Boiling Water	**208**	Boiling Mineral Oil	**405**	

CALIBRATION DATE	T/C IDENTIFICATION	REFERENCE READING		DEVICE READING	°F DIFFERENCE <400°F	% DIFFERENCE >400°F	CALIBRATED BY
6/30/2021	W0238	Ice Water	32	34	-2		AA
		Ambient	64	76	-12		
		Boiling Water	208	211	-3		
		Boiling Mineral Oil	405	403	2	0.49	
6/30/2021	TC 121	Ice Water	32	32	0		AA
		Ambient	64	73	-9		
		Boiling Water	208	213	-5		
		Boiling Mineral Oil	405	408	-3	-0.74	
6/30/2021	M4-3	Ice Water	32	33	-1		AA
		Ambient	64	74	-10		
		Boiling Water	208	212	-4		
		Boiling Mineral Oil	405	408	-3	-0.74	
6/30/2021	M4-5	Ice Water	32	33	-1		AA
		Ambient	64	74	-10		
		Boiling Water	208	212	-4		
		Bioling Mineral Oil	405	407	-2	-0.49	
6/30/2021	M4-4	Ice Water	32	33	-1		AA
		Ambient	64	76	-12		
		Boiling Water	208	212	-4		
		Boiling Mineral Oil	405	406	-1	-0.25	
6/30/2021	JR ADM TC	Ice Water	32	34	-2		AA
		Ambient	64	74	-10		
		Boiling Water	208	212	-4		
		Boiling Mineral Oil	405	N/A			
6/30/2021	TC-71-1	Ice Water	32	33	-1		AA
		Ambient	64	74	-10		
		Boiling Water	208	212	-4		
		Boiling Mineral Oil	405	407	-2	-0.49	

40CFR60, Appendix, Method 2

Tolerance Limits: +/- 4 °F for <400°F

Tolerance Limits: +/- 1.5% for >400°F

Calibration Frequency: 6 mo.

40CFR60, Appendix, Method 2
Tolerance Limits: +/- 4 °F for <400°F
Tolerance Limits: +/- 1.5% for >400°F
Calibration Frequency: 6 mo.

Stack Diagram

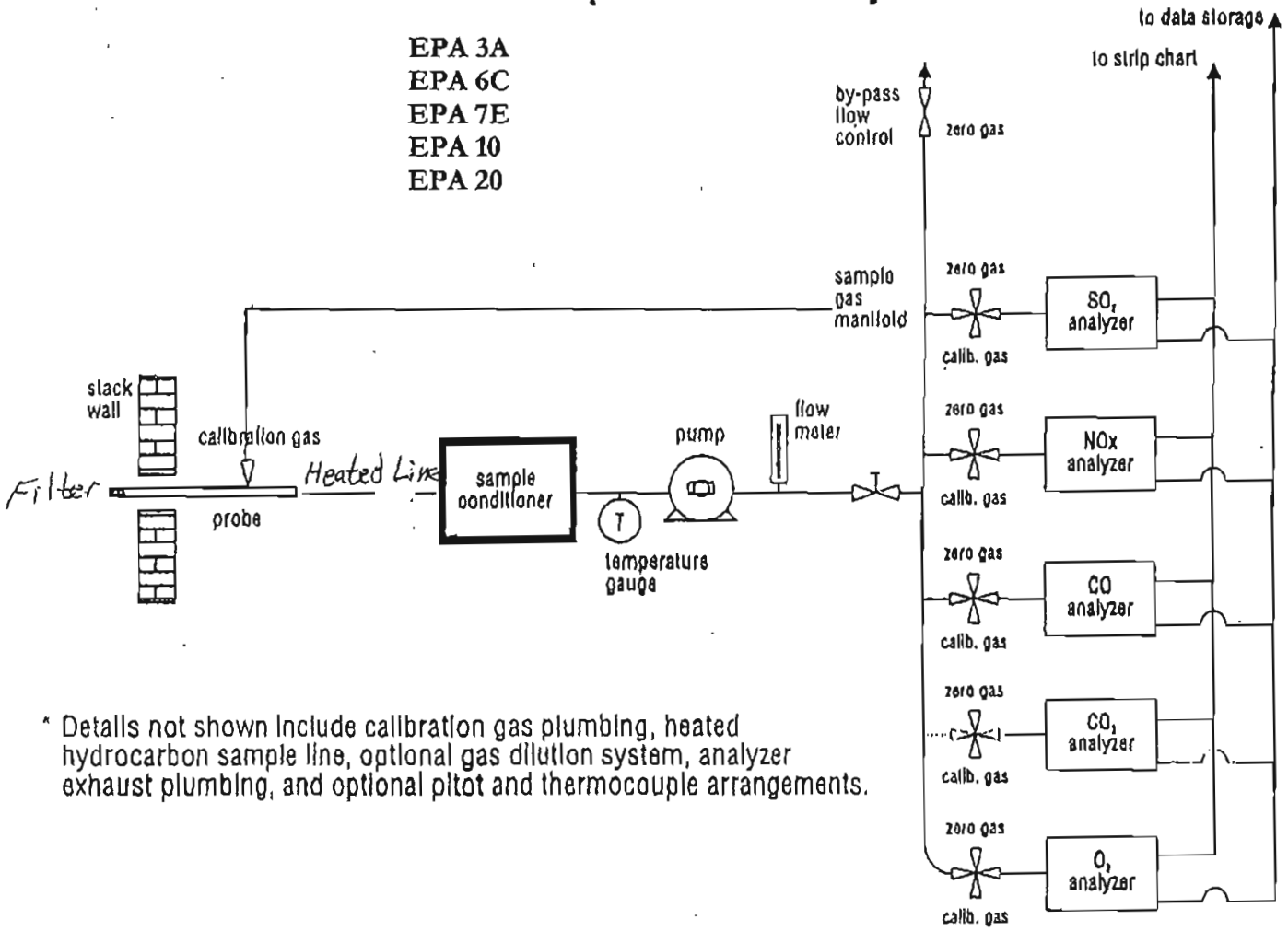
BFI Ox Mtn Flare A-7

Ox Mtn Flare A-9

Sample System Diagram

Method 100 Sample Train Assembly

EPA 3A
EPA 6C
EPA 7E
EPA 10
EPA 20



* Details not shown include calibration gas plumbing, heated hydrocarbon sample line, optional gas dilution system, analyzer exhaust plumbing, and optional pitot and thermocouple arrangements.

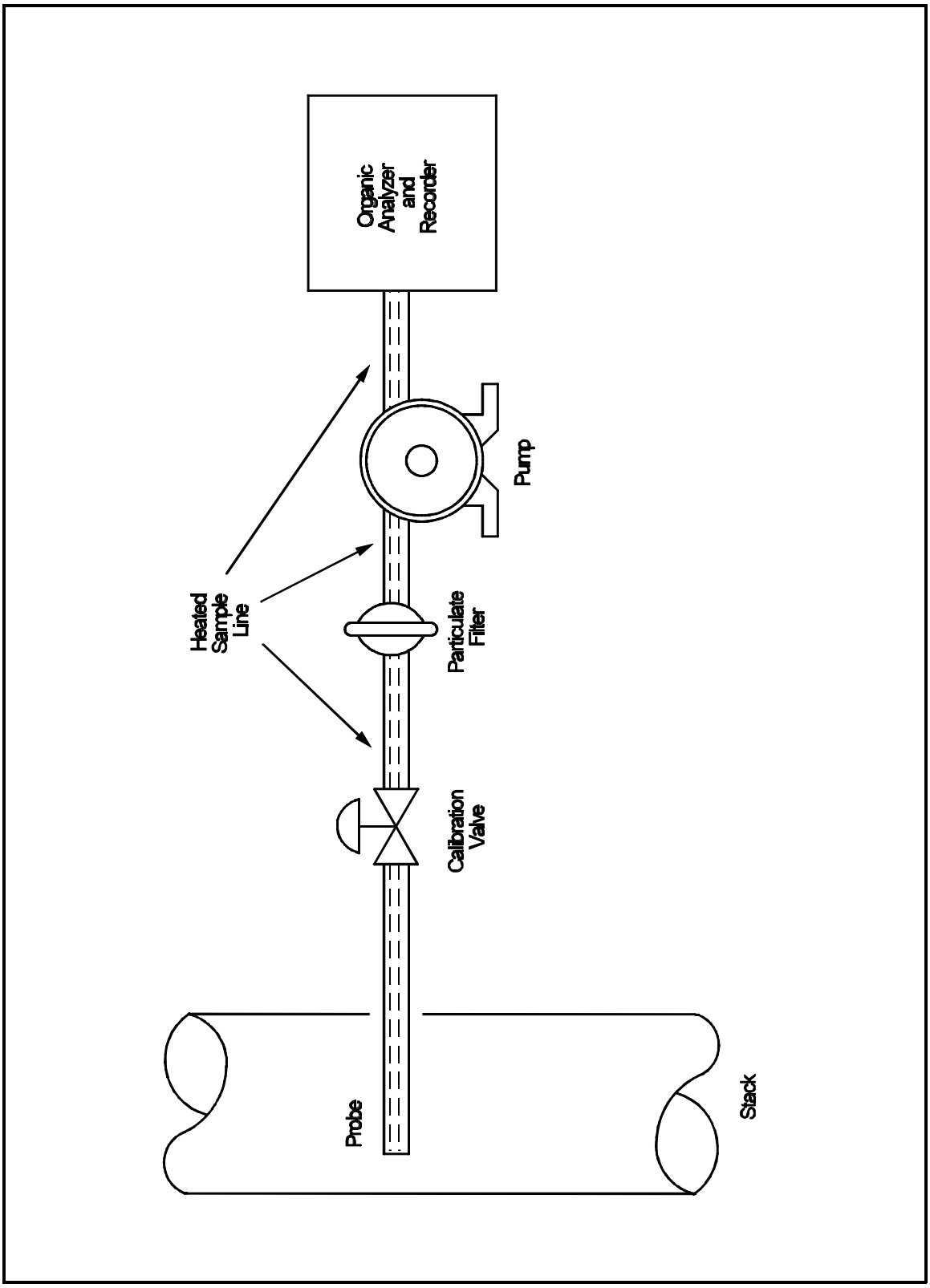


Figure 25A-1. Organic Concentration Measurement System.

Source Test Plan

Blue Sky Environmental, Inc
624 San Gabriel Avenue
Albany, California 94706
Office **(***510) 525 1261*
Mobile (510) 508 3469
bluesky@blueskyenvironmental.com

July 23rd, 2021

Source Test Plan
Plant # 2266
Sources A-7 & A-9
Test Dates: August 6th, 2021

Attn.: Gloria Espena/Marco Hernandez
Bay Area Air Quality Management District
Technical Services Division, Source Test Section
375 Beale St #600
San Francisco, CA 94105

Re: Source Test Plan (STP) for compliance emissions testing of the A-7 and A-9 Flare at Ox Mountain (Los Trancos Canyon Landfill), located at 12310 San Mateo Drive, Half-Moon Bay, California.

Blue Sky Environmental is pleased to present this Source Test Plan for the above referenced sampling project. Testing will include the following:

BAAQMD Source	Test Parameters/Limits
Flare (A-7 & 9) Compliance Tests Condition 10164 & Reg 8 Rule 34	Exhaust, THC, CH_4, NMOC, NO_X, CO, CO_2, O_2 ≤39 ppm NOx @ 3% O_2 or <0.052 #/MMBTU NOx (Part 29) ≤184 ppm CO @ 3% O_2 and <0.15 #/MMBTU CO (Part 30) ≤30 ppm NMOC as Methane @ 3% O_2 (Reg. 8 Rule 34) >98 % NMOC Destruction (Reg. 8 Rule 34) >99% CH_4 Destruction (Reg. 8 Rule 34) Landfill gas NMOC, CH_4, Fixed Gases, VOC species & TRS as H_2S (Part 32)

1. At each flare exhaust, triplicate 30+-minute tests will be performed to determine compliance with the BAAQMD Permit and Reg 8 Rule 34 conditions listed in the Table above, and according to 40 CFR 60.8 and 60.752(b)(2)(iii)(B) using methods identified in 40 CFR 60.754(d).
2. Testing will use EPA methods to measure NO_X (EPA 7E), CO (EPA 10), TNMHC (NMOC, POC) by (ALT 097 with at least 30 readings per test) or (EPA 25A, with or without M18 for Methane & Ethane), CO_2 (EPA 3A) and O_2 (EPA 3A). Tests will be 30+ minutes in duration. If the THC reading is above the detection limit (~2% of scale, or above 20% of the NMOC Permit Limit adjusted to 3% O_2) Methane may be determined by EPA Method 18 analysis from integrated Tedlar bag samples collected from the THC analyzer bypass.
3. Moisture will be determined by EPA Method 4. These will used to correct wet THC to dry THC. The BAAQMD has currently refused to accept EPA Alternate Method 4.16.4 as of April 2021.
4. Integrated samples of the Landfill Gas (LFG) will be collected during each test run, and will be analyzed for %CH_4, %CO_2, %N_2, %O_2, BTU and F-factor by ASTM D-1945 and D-3588, and

by ASTM-D5504 or Modified EPA 15 for Sulfur Species. Samples collected in Tedlar bags will be analyzed within 24 hours. Samples collected in SILCO SUMMA canisters will be analyzed within 7 days.

5. The landfill gas analysis will be used to determine CH_4, THC and NMOC Destruction/Removal Efficiency (DRE)
6. During each run an integrated SILCO SUMMA sample of the LFG will be collected and analyzed by EPA 25C for non-methane hydrocarbons and for Organics (Toxic Air Contaminants) by TO-15 as listed in the Permit.
7. Emission Flowrates will be determined by EPA Method 19 calculation and measurement using the Facility fuel flow data, fuel analysis and exhaust oxygen content. In order to get an accurate exhaust flow by Method 19 calculations the accuracy of the fuel meter is a requirement. The BAAQMD is requesting current fuel flow meter calibrations to be included in the source test report.
8. Facility Fuel Flow and Flare temperature records will be provided by the facility and documented in the report. Current fuel meter calibration records will be provided by the facility.
9. Three copies of the compliance test report will be submitted to the client within 30 days of completion of the test program. The report is due to the district within 45 days of test completion. The report will include a test description and tables presenting concentrations (ppm), emission rates e.g. (lbs/hr, lbs/MMBtu) for all sampling parameters. All supporting documents (strip charts, process data, field data sheets, calibrations, calculations, etc.) will also be included.

The facility contact is Ben Wade who may be reached at 650-713-3632. If you have any questions, please contact Guy Worthington at 510-508-3469 or Jeramie Richardson at 810-923-3181.

Sincerely,

Anne Richardson

arichardson@blueskyenvironmental.com

From: Gloria Espena <GEspena@baaqmd.gov>
Sent: Friday, July 23, 2021 11:27 AM
To: arichardson@blueskyenvironmental.com
Cc: Marco Hernandez; Sourcetest; 'Wade, Benjamin'; Kent, Kendra; Guy Worthington; Chuck Arrivas; 'Jeramie Richardson'; Morris, Jessica; 'Israel, Nat'; 'Justin.Ruhle'; 'Pankenier, Suzan'; 'Casson, Gavin'
Subject: NST-6664(A7) NST-6665(A9): Ox Mountain A-7 & A-9 STP
Attachments: RS-OX-A7A9-Flare-stp1.pdf; Contractor ST Supplemental Form.docx

NST-6664(A7) NST-6665(A9) has been assigned the pending 8/6/2021 work referenced below.

Also, we've introduced a new, supplemental form to be included when reports are submitted. It's just a sheet intended to help us with processing reports and prioritizing report review. The intention of the email is not to request additional testing. Please complete and submit the attached **"Contractor ST Supplemental Form"** with the final test report.

NST number(s) that are assigned for each source test notifications are for inner-office tracking purposes only, not an approval of the test plan. (For source testing methodologies please review permit conditions, BAAQMD Regulations and CFR, accordingly). Future notifications and report submittals should be made to **GEspena@baaqmd.gov** and **cc: MHernandez@baaqmd.gov.**

If you have other questions, please contact Marco Hernandez at mhernandez@baaqmd.gov.

Thank you,

Gloria M. Espena
Meteorology & Measurements
Source Test Section & Performance Evaluation Group
The Bay Area Air Quality Management District
375 Beale Street, Ste. 600 | San Francisco, CA 94105
Ofc (415) 749-4725 | Fax (510) 758-3087
gespena@baaqmd.gov | *www.baaqmd.gov*

From: arichardson@blueskyenvironmental.com <arichardson@blueskyenvironmental.com>
Sent: Friday, July 23, 2021 10:10 AM
To: Gloria Espena <GEspena@baaqmd.gov>
Cc: Marco Hernandez <MHernandez@baaqmd.gov>; Sourcetest <Sourcetest@baaqmd.gov>; 'Wade, Benjamin' <BWade@republicservices.com>; Kent, Kendra <Kendra.Kent@tetratech.com>; Guy Worthington <blueskyenvironmental@yahoo.com>; Chuck Arrivas <carrivas@blueskyenvironmental.com>; 'Jeramie Richardson' <jrichardson@blueskyenvironmental.com>; Morris, Jessica <jperreira@blueskyenvironmental.com>; 'Israel, Nat' <Nat.Israel@tetratech.com>; 'Justin.Ruhle' <Justin.Ruhle@tetratech.com>; 'Pankenier, Suzan' <Suzan.Pankenier@tetratech.com>; 'Casson, Gavin' <gavin.casson@tetratech.com>
Subject: Ox Mountain A-7 & A-9 STP

Hello Gloria,

Attached please find the Ox Mountain Landfill Flare A-7 & A-9 Source Test Plan, scheduled for August 6th, for your review and approval. Should you have any questions or comments please let us know.

Sincerely,
Anne Richardson
Office Manager

We appreciate you choosing Blue Sky Environmental, Inc.

BLUE SKY ENVIRONMENTAL, INC
624 San Gabriel Ave.
Albany, CA 94706
Direct: (810) 923-1198
Office: (510) 525-1261
arichardson@blueskyenvironmental.com

Visit our website at www.blueskyenvironmental.com

APPENDIX O

S-5 NON-RETAIL GASOLINE DISPENSING FACILITY MONTHLY GASOLINE THROUGHPUT

Ox Mountain Landfill, Half Moon Bay, California

S-5 Non-Retail Gasoline Dispensing Facility

Month	Total Gallons	12-Month Consecutive Total (Gallons)
April-21	2,159.10	**4,541.1**
May-21		
June-21		
July-21		
August-21		
September-21		
October-21	2,529.40	**4,688.5**
November-21		
December-21		
January-22		
February-22		
March-22		

Form 38-1

Distribution:
Firm
Permit Services
Enforcement Services
Technical Services
Planning
Requester
DAPCO

BAY AREA AIR QUALITY MANAGEMENT DISTRICT
939 Ellis Street
San Francisco, California 94109
(415) 771-6000

Summary of Source Test Results

Report No.: 21317
Test Date: 10-15-21
Test Times:
Run A: 1422-1427
Run B: —
Run C: —

Source Information

GDF Name and Address
REPUBLIC SERVICES OX MTN
12210 SAN MATEO RD
HALF MOON BAY
CA

GDF Representative and Title
MARCUS NAVARRO
650 726 1819
GDF Phone No. ( )

Source: GDF Vapor Recovery System
BAAQMD GDF # 2266
BAAQMD A/C # 8229

Permit Conditions
ST-38

Facility Parameters

Compartment Size, Gallons
COMPARTMENT #1: 1000
COMPARTMENT #2: —
COMPARTMENT #3: —

Manifolded? Y or (N)

Operating Parameters: OUT OF SERVICE > 30 MIN

Make and Model of Tank: CONVAULT
Number of Gasoline Nozzles: 1
Phase II System Type: FILLRITE
Make and Model of P/V Valve: HUSKY 4885

Applicable Regulations: BAAQMD REGULATION 8, RULE 7

FOR OFFICE USE ONLY

Source Test Results and Comments:

COMPARTMENT #:	1	2	3	TOTAL
1. Product Grade	UL			
2. Actual Compartment Capacity, gallons	1000 (1033)			
3. Gasoline Volume, Gallons 22 × 28.7 gal/IN	574			
4. Ullage, gallons (#2 -#3)	426			
5. Phase I System Type	—			
6. Initial Test Pressure, Inches H_2O **(2.0)**	2.0			
7. Pressure After 1 Minute, Inches H_2O	2.0			
8. Pressure After 2 Minutes, Inches H_2O	2.1			
9. Pressure After 3 Minutes, Inches H_2O	2.1			
10. Pressure After 4 Minutes, Inches H_2O	2.2			
11. **Final Pressure After 5 Minutes, Inches H_2O**	2.2			
12. Allowable Final Pressure from Table 38-I	0.37			
13. Test Status [**Pass** or **Fail**]	PASS			

N_2 DISCONNECTED

Test Conducted by: JEREMIE RICHARDSON

Test Company
Name: BLUE SKY ENVIRONMENTAL
Address: 624 SAN GABRIEL AVE
City: ALBANY CA 94706

Date and Time of Test: 1422-1427 10-15-21

APPENDIX P

MONTHLY TOTAL REDUCED SULFUR (TRS) CONCENTRATIONS

October 2021 through March 2022 Monthly Total Reduced Sulfur Compounds to the A-7 Flare

Ox Mountain Landfill, Half Moon Bay, California

A-7 (Flare)

Month	Hydrogen Sulfide (Draeger) (ppmv)	Carbon Disulfide (ppmv)	Carbonyl Sulfide (ppmv)	Dimethyl Sulfide (ppmv)	Ethyl Mercaptan (ppmv)	Hydrogen Sulfide (ppmv)	Methyl Mercaptan (ppmv)	TRS (Draeger)	TRS (Lab Analysis)
October-21	140	NA	NA	NA	NA	NA	NA	147.0	NA
November-21	150	NA	NA	NA	NA	NA	NA	157.5	NA
December-21	125	NA	NA	NA	NA	NA	NA	131.3	NA
January-22	180	NA	NA	NA	NA	NA	NA	189.0	NA
February-22	110	NA	NA	NA	NA	NA	NA	115.5	NA
March-22	130	NA	NA	NA	NA	NA	NA	136.5	NA

NOTES:

1. Total Reduced Sulfur (TRS) is determined by monthly analysis of landfill gas at the header of the flare. Analysis for TRS is either by: (1) laboratory methods that analyze for the sulfur compounds: carbon disulfide, carbonyl sulfide, dimethyl sulfide, ethyl mercaptan, hydrogen sulfide, and methyl mercaptan; (2) Draeger tubes that measure for hydrogen sulfide concentration, the value of which is multiplied by 1.05 to calculate TRS concentration.

2. TRS analysis was begun in September 2015 per the Draft Permit Conditions for Application 26100.

ppmv = parts per million by volume
TRS = total reduced sulfur
NA = not available

October 2021 through March 2022 Monthly Total Reduced Sulfur Compounds to the A-8 Flare

Ox Mountain Landfill, Half Moon Bay, California

A-8 (Flare)*

Month	Hydrogen Sulfide (Draeger) (ppmv)	Carbon Disulfide (ppmv)	Carbonyl Sulfide (ppmv)	Dimethyl Sulfide (ppmv)	Ethyl Mercaptan (ppmv)	Hydrogen Sulfide (ppmv)	Methyl Mercaptan (ppmv)	TRS (Draeger)	TRS (Lab Analysis)
October-20	0	NA	NA	NA	NA	NA	NA	0.0	NA
November-20	0	NA	NA	NA	NA	NA	NA	0.0	NA
December-20	0	NA	NA	NA	NA	NA	NA	0.0	NA
January-22	0	NA	NA	NA	NA	NA	NA	0.0	NA
February-22	0	NA	NA	NA	NA	NA	NA	0.0	NA
March-22	0	NA	NA	NA	NA	NA	NA	0.0	NA

NOTES:

*The A-8 Flare does not operate and is slated for decommissioning. Therefore, no H2S samples are collected, as no landfill gas is diverted to the A-8 Flare.

1. Total Reduced Sulfur (TRS) is determined by monthly analysis of landfill gas at the header of the flare. Analysis for TRS is either by: (1) laboratory methods that analyze for the sulfur compounds: carbon disulfide, carbonyl sulfide, dimethyl sulfide, ethyl mercaptan, hydrogen sulfide, and methyl mercaptan; (2) Draeger tubes that measure for hydrogen sulfide concentration, the value of which is multiplied by 1.05 to calculate TRS concentration.
2. TRS analysis was begun in September 2015 per the Draft Permit Conditions for Application 26100.

ppmv = parts per million by volume
TRS = total reduced sulfur
NA = not available

October 2021 through March 2022 Monthly Total Reduced Sulfur Compounds to the A-9 Flare

Ox Mountain Landfill, Half Moon Bay, California

A-9 (Flare)

Month	Hydrogen Sulfide (Draeger) (ppmv)	Carbon Disulfide (ppmv)	Carbonyl Sulfide (ppmv)	Dimethyl Sulfide (ppmv)	Ethyl Mercaptan (ppmv)	Hydrogen Sulfide (ppmv)	Methyl Mercaptan (ppmv)	TRS (Draeger)	TRS (Lab Analysis)
October-21	130	NA	NA	NA	NA	NA	NA	136.5	NA
November-21	130	NA	NA	NA	NA	NA	NA	136.5	NA
December-21	125	NA	NA	NA	NA	NA	NA	131.3	NA
January-22	150	NA	NA	NA	NA	NA	NA	157.5	NA
February-22	160	NA	NA	NA	NA	NA	NA	168.0	NA
March-22	150	NA	NA	NA	NA	NA	NA	157.5	NA

NOTES:

1. Total Reduced Sulfur (TRS) is determined by monthly analysis of landfill gas at the header of the flare. Analysis for TRS is either by: (1) laboratory methods that analyze for the sulfur compounds: carbon disulfide, carbonyl sulfide, dimethyl sulfide, ethyl mercaptan, hydrogen sulfide, and methyl mercaptan; (2) Draeger tubes that measure for hydrogen sulfide concentration, the value of which is multiplied by 1.05 to calculate TRS concentration.

2. TRS analysis was begun in September 2015 per the Draft Permit Conditions for Application 26100.

ppmv = parts per million by volume

TRS = total reduced sulfur

NA = not available

Ox Mountain Landfill, Half Moon Bay, California

Yearly TRS for A-7, A-8, and A-9 Flares

Month	A-7 Flare Flow Concentration (ppmv)	A-8 Flare Flow Concentration (ppmv)	A-9 Flare Flow Concentration (ppmv)	Consecutive 12-Month Flow Average for A-7 Flare (ppmv)	Consecutive 12-Month Flow Average for A-8 Flare (ppmv)	Consecutive 12-Month Flow Average for A-9 Flare (ppmv)	Combined A-7, A-8 and A-9 Flares Corrected 12-Month Average (ppmv)[1]
April-21	120.8	0.0	136.5	59.2	NA	92.7	151.9
May-21	141.8	0.0	141.8	63.9	NA	103.3	167.1
June-21	131.3	0.0	115.5	64.3	NA	100.6	164.9
July-21	157.5	0.0	131.3	76.1	NA	107.2	183.3
August-21	173.3	0.0	157.5	81.8	NA	102.8	184.6
September-21	147.0	0.0	110.3	93.2	NA	105.0	198.2
October-21	147.0	0.0	136.5	101.1	NA	107.6	104.3
November-21	157.5	0.0	136.5	109.8	NA	109.8	109.8
December-21	131.3	0.0	131.3	116.4	NA	116.4	116.4
January-22	189.0	0.0	157.5	127.8	NA	119.9	123.8
February-22	115.5	0.0	168.0	136.1	NA	131.3	133.7
March-22	136.5	0.0	157.5	145.7	NA	140.0	142.8

NOTES:

1. The 12-month total reduced sulfur (TRS) rolling concentration for each month represents the sum of the monthly combined TRS concentrations calculated using the preceding 12 consecutive months. Pursuant to Title V Permit Condition Number 10164 Part 21, the combined monthly flow weighted TRS concentrations to all Flares (A-7, A-8, and A-9) shall not exceed 265 ppmv during any consecutive 12-month period.

2. TRS analysis was begun in September 2015 per the Draft Permit Conditions for Application 26100.

ppmv = parts per million by volume

scfm = standard cubic feet per minute

CH_4 = methane

LFG= landfill gas

%= percent

APPENDIX Q

WASTE-IN-PLACE

OX MOUNTAIN LANDFILL - HALF MOON BAY, CALIFORNIA

Revised Waste Acceptance Records Summary

Date	Waste Accepted (Tons)[1]	Green Waste Accepted[2]	Fire Waste Accepted	Waste-In-Place (WIP)[3] (Tons)	Comments	Days per Month	Ave. Daily tons (6 days a week)
October-20	44,604.0	0.0				27.00	1652.00
November-20	41,517.0	0.0	164.0			25.00	1667.24
December-20	43,967.0	0.0	1,496.0	**27,117,552**	WIP for Semi-Annual Period of: October 1, 2020 through March 31, 2021.	27.00	1683.81
January-21	43,510.0	0.0	4,389.0			26.00	1842.27
February-21	41,500.0	0.0	5,027.0			24.00	1938.63
March-21	43,208.0	0.0	7,471.0			27.00	1877.00
April-21	45,627.5	0.0	18,650.2			26.00	2472.22
May-21	44,584.5	0.0	1,510.1			26.00	1772.87
June-21	46,497.8	0.0	2,711.7	**27,417,772**	WIP for the Semi-Annual Period of: April 1, 2021 through September 30, 2021.	26.00	1892.67
July-21	46,295.6	0.0	29.5			27.00	1715.74
August-21	47,180.5	0.0	0.0			26.00	1814.63
September-21	47,132.0	0.0	0.0			26.00	1812.77
October-21	42,183.0	0.0	0.0			26.00	1622.42
November-21	46,686.0	0.0	0.0			26.00	1795.62
December-21	46,437.0	0.0	0.0	**27,684,644**	WIP for Semi-Annual Period of: October 1, 2021 through March 31, 2022.	27.00	1719.89
January-22	45,771.0	0.0	0.0			26.00	1760.42
February-22	41,605.0	0.0	0.0			24.00	1733.54
March-22	44,190.0	0.0	0.0			27.00	1636.67
Total Waste-in-Place October 2021 through March 2021	**266,872.0**		**0.0**			Daily Limit: 3,598 tons/day	

Notes:
1 Municipal Solid Waste (MSW) accepted at Ox Mountain, verified using waste acceptance rates from tipping receipts.
2 Green Waste numbers are not captured by CalRecycle and were provided by Ox Mountain personnel based on waste summary reports.
3 WIP is putrescible wastes only.

*As of December 2017, site accepts green waste but have stopped stockpiling and utilizing green waste as beneficial reuse.

Year	Total Yearly Tonnages
2016	540,401
2017	599,044
2018	582,843
2019	613,542
2020	510,725
2021	580,630
2022*	131,566

Limit is 835,000 tons per year
*Partial Year Total as of March 31, 2022