



**PUBLIC WORKS DEPARTMENT**

**PUBLIC SERVICES DIVISION**

231 North Whisman Road, P.O. Box 7540

Mountain View, CA 94039-7540

650-903-6329 | [MountainView.gov](http://MountainView.gov)

July 25, 2023

Mr. Jeffrey Gove, Director  
Compliance and Enforcement  
Bay Area Air Quality Management District  
375 Beale Street, Suite 600  
San Francisco, CA 94105  
Via Email: [compliance@baaqmd.gov](mailto:compliance@baaqmd.gov)

TV Tracking #: 774

1.  RECEIVED IN  
ENFORCEMENT: 07/31/2023

TITLE V, START-UP, SHUTDOWN, MALFUNCTION PLAN AND BAY AREA AIR QUALITY MANAGEMENT DISTRICT RULE 8-34, SEMIANNUAL MONITORING REPORTS FOR THE SHORELINE LANDFILL, MOUNTAIN VIEW, CALIFORNIA (FACILITY NO. A2740)

Dear Mr. Gove:

Enclosed are the Title V, Startup, Shutdown, Malfunction (SSM) Plan and Bay Area Air Quality Management District (BAAQMD) Regulation 8, Rule 34, Semiannual Monitoring Reports for the Shoreline Landfill, Mountain View, California (Facility No. A2740). These reports are for the period from January 1, 2023 through June 30, 2023 and pertain to the landfill gas (LFG) collection and control system (GCCS) operated at the landfill. The Title V report also addresses the diesel-powered emergency generators located at the landfill site.

Title V Report

The Title V report meets the requirements specified in the Title V permit, BAAQMD guidance on Title V report submittals and Regulation 2, Rule 6. The report includes the signed certification by the Responsible Official of the City of Mountain View.

SSM Plan Report

The City of Mountain View revised and implemented the revised SSM Plan on February 18, 2009, as required by 40 CFR Part 63, Subpart AAAA, the Maximum Achievable Control Technology standards for landfills. This section includes SSM reports for the landfill gas collection and emission control system operated at the landfill. The SSM reports for microturbines are not required pursuant to Title V permit condition revisions dated March 9, 2017. All SSM activities during this reporting period were consistent with the SSM Plan with no deviations.

Rule 8-34 Report

The Rule 8-34 report includes various testing, monitoring, maintenance, start-up, shutdown and malfunction, and repair records as required by BAAQMD, Rule 8-34-411. This report also satisfies

the requirements under the New Source Performance Standards (NSPS) for municipal solid waste landfills (40 CFR Part 60, Subpart WWW) and Emission Guidelines (EG, 40 CFR Part 60, Subpart CC), including 40 CFR 60.757(f).

The Rule 8-34 report is organized into the following sections:

- Section I—Source Performance Test Reports. The flare station and microturbine source performance tests were conducted on January 24 and January 25, 2023. The source performance test report is included in this section.
- Section II—Landfill Gas Collection System Downtime. This section includes landfill gas collection system downtime and explanations of repairs related to the downtime. Gas collection system shutdowns and records are summarized in this section.
- Section III—Emission Control System Downtime. This section includes emission control system shutdowns and reasons for each shutdown. Flare station shutdowns and records are summarized in this section.
- Section IV—Periodic Landfill Gas Emission Monitoring. This section includes annual surface monitoring in accordance with California’s Title 17 regulatory requirements and the memorandum issued to the City of Mountain View by the BAAQMD dated July 13, 2016. The City has a contract with SCS Engineers to perform these annual instantaneous and integrated surface emissions monitoring. This section also includes quarterly component checks performed by City staff. A Century OVA 108 portable organic vapor analyzer (OVA) was used to perform component checks. The OVA was calibrated and tested prior to each use. All component leaks and surface emissions detected during their respective monitoring periods were recorded and were below the allowable limits or were below the allowable limits after repair. Component leaks and monitoring records are summarized in this section.
- Section V—Monthly Landfill Gas Wellhead Monitoring. This section includes wellhead monitoring performed by City staff. The Envision ENV200 gas analyzers were used to measure well performance in the field. The instruments were calibrated and tested prior to each use.
- Section VI—Monthly Landfill Gas Wellhead Repairs for Exceedances. This section includes wellhead problem investigations, monitoring, and repairs performed in response to wellhead exceedances. However, the oxygen concentrations measured at the main header during monthly monitoring of exempted wellheads are included. A summary of field monitoring results and records is enclosed.

Mr. Jeffrey Gove

July 26, 2023

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- Section VII—Continuous Temperature- and Flow-Monitoring Records. This section includes continuous temperature and flow monitoring charts for the flare station.
- Section VIII—Landfill Gas Flow Meter Calibration. This section includes landfill gas flow meter calibration certificates for the flow meters located at the flare station.

I believe this report is true, accurate, and complete. If any further information is required or you have any questions, please call Tina Tseng, Principal Civil Engineer, at 650-903-6187 or me at 650-903-6140.

Sincerely,

A handwritten signature in black ink that reads "Lisa Au". The signature is written in a cursive style with a large initial "L" and "A".

Lisa Au

Assistant Public Works Director

Enclosures:      1.    Title V Semiannual Monitoring Report (with Certification Statement)  
                         2.    Start-Up, Shutdown Malfunction Plan Semiannual Report  
                         3.    BAAQMD Rule 8-34 Report

cc:    Mr. Raymond Salalila, [RSalalila@baaqmd.gov](mailto:RSalalila@baaqmd.gov)

PWD, SLCM, PCE—Tseng, AE—Sharma, F/c



**PUBLIC WORKS DEPARTMENT**

500 Castro Street, P.O. Box 7540

Mountain View, CA 94039-7540

650-903-6311 | [MountainView.gov](http://MountainView.gov)

**TITLE V, SSM PLAN  
AND BAAQMD RULE 8-34  
SEMIANNUAL MONITORING REPORTS  
2023 – FIRST INCREMENT**

**CITY OF MOUNTAIN VIEW  
SHORELINE LANDFILL  
MOUNTAIN VIEW, CALIFORNIA  
(FACILITY NO. A2740)**

TITLE V SEMINANNUAL REPORT

2023 – FIRST INCREMENT

CITY OF MOUNTAIN VIEW  
SHORELINE LANDFILL  
MOUNTAIN VIEW, CALIFORNIA  
(FACILITY NO. A2740)

**CITY OF MOUNTAIN VIEW  
TITLE V SEMI-ANNUAL MONITORING REPORT**

**SITE NAME:** City of Mountain View – Shoreline Landfill

**FACILITY ID #** A2740

**REPORTING PERIOD:** 1/1/2023 – 6/30/2023

**CERTIFICATION:**

Based on information and belief formed after reasonable inquiry, the statements and information provided in this document are true, accurate, complete, and addresses all deviations during the reporting period:

*Arn Andrews*  
Arn Andrews (Jul 27, 2023 13:33 PDT)  
Signature of Responsible Official  
Acting City Manager

07/27/2023  
Date

for Kimbra McCarthy  
Name of Responsible Official (please print)

City Manager  
Title of Responsible Official (please print)

Mail to:

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

**CITY OF MOUNTAIN VIEW  
TITLE V SEMI-ANNUAL MONITORING REPORT**

**SITE NAME:** City of Mountain View – Shoreline Landfill

**FACILITY ID #** A2740

**REPORTING PERIOD:** 1/1/2023 – 6/30/2023

List of Permitted Sources and Abatement Devices

PERMIT UNIT NUMBER	EQUIPMENT DESCRIPTION
S-1	Landfill and Gas Collection System
A-6	Landfill Gas Flare
A-7	Landfill Gas Flare
A-8	Landfill Gas Flare
S-11	Diesel Engine For Emergency Standby Generator (at Flare Station)
S-14	Diesel Engine For Emergency Standby Generator (at Sewer Pump Station)
S-16	Microturbine (at Flare Station)
S-17	Microturbine (at Sewage Pump Station)

**CITY OF MOUNTAIN VIEW**  
**Shoreline Landfill – Facility ID # A2740**  
**TITLE V SEMI ANNUAL MONITORING REPORT (1/1/2023 – 6/30/2023)**  
**PERMITTED UNITS: S-1 LANDFILL AND GAS COLLECTION SYSTEM; A-6, A-7, and A-8 LANDFILL GAS FLARES**

<b>Type of Limit</b>	<b>Monitoring Requirement Citation</b>	<b>Citation of Limit</b>	<b>Limit</b>	<b>Parameter Monitored</b>	<b>Monitoring Frequency * (P/C/N)</b>	<b>Compliance</b>	<b>Comments/Corrective Action Taken</b>
Amount of Waste Accepted	BAAQMD 8-34-501.7	BAAQMD Condition # 16065, Part 1	0 tons/day and ≤ 12,725,000 tons (cumulative amount of all wastes) and ≤ 18,852,000 yd <sup>3</sup> (cumulative amount of all wastes and cover materials)	Records  Closed Landfill No waste accepted	P/A	Continuous  Yes	
Gas Flow	BAAQMD 8-34-501.10 and 508	BAAQMD 8-34-301 and 301.1	Landfill gas collection system shall operate continuously (except as indicated in Condition # 16065, Part 3) and all collected gases shall be vented to a properly operating control system	Gas Flow Meter and Recorder (every 15 minutes)	C	Continuous  Yes	
Gas Flow	BAAQMD 8-34-501.1, 501.2, 501.10, and 508 and BAAQMD Condition # 16065, Part 6	BAAQMD Condition # 16065, Parts 2-3	Landfill gas collection system shall operate continuously (except as indicated in Condition # 16065, Part 3) and all collected gases shall be vented to a properly operating control system	Gas Flow Meter, Flare Alarms, and Records of Collection and Control Systems  Downtime	C,P/E	Continuous  Yes	
Collection System Installation Dates	BAAQMD 8-34-501.7 and 501.8 and BAAQMD Condition # 16065, Parts 15a-b	BAAQMD 8-34-304.1	For Inactive/Closed Areas: collection system components must be installed and operating by 2 years + 60 days after initial waste placement	Records	P/E	Continuous  Yes	



**CITY OF MOUNTAIN VIEW**  
**Shoreline Landfill – Facility ID # A2740**  
**TITLE V SEMI ANNUAL MONITORING REPORT (1/1/2023 – 6/30/2023)**  
**PERMITTED UNITS: S-1 LANDFILL AND GAS COLLECTION SYSTEM; A-6, A-7, and A-8 LANDFILL GAS FLARES**

<b>Type of Limit</b>	<b>Monitoring Requirement Citation</b>	<b>Citation of Limit</b>	<b>Limit</b>	<b>Parameter Monitored</b>	<b>Monitoring Frequency * (P/C/N)</b>	<b>Compliance</b>	<b>Comments/Corrective Action Taken</b>
Collection and Control Systems Shutdown Time	BAAQMD 8-34-501.1	BAAQMD 8-34-113.2	≤ 240 hours/year and ≤ 5 consecutive days	Operating Records	P/D	Continuous Yes	
Startup Shutdown or Malfunction Procedures	40 CFR 63.1980(a-b)	40 CFR 63.6(e)	Minimize Emissions by Implementing SSM Plan	Records (all occurrences, duration of each, corrective actions)	P/E	Continuous Yes	
Periods of In-operation for Parametric Monitors	BAAQMD 1-523.4	BAAQMD 1-523.2	≤ 15 consecutive days/incident and ≤ 30 calendar days/12 month period	Operating Records for All Parametric Monitors (for gas flow and temperature monitors)	P/D	Continuous Yes	
Continuous Monitors	40 CFR 60.7(b)	40 CFR 60.13(e)	Requires Continuous Operation except for breakdowns, repairs, calibration, and required span adjustments	Operating Records for All Continuous Monitors (for gas flow and temperature Monitors)	P/D	Continuous Yes	
Wellhead Pressure	BAAQMD 8-34-414, 501.9, and 505.1	BAAQMD 8-34-305.1	< 0 psig	Monthly Inspection and Records	P/M	Continuous Yes	
Temperature of Gas at Wellhead	BAAQMD 8-34-414, 501.9 and 505.2	BAAQMD 8-34-305.2	< 55 °C (131 °F) (Wells listed in BAAQMD Condition # 16065, Part 5a are excluded from this limit.)	Monthly Inspection and Records	P/M	Continuous Yes	

**CITY OF MOUNTAIN VIEW**  
**Shoreline Landfill – Facility ID # A2740**  
**TITLE V SEMI ANNUAL MONITORING REPORT (1/1/2023 – 6/30/2023)**  
**PERMITTED UNITS: S-1 LANDFILL AND GAS COLLECTION SYSTEM; A-6, A-7, and A-8 LANDFILL GAS FLARES**

Type of Limit	Monitoring Requirement Citation	Citation of Limit	Limit	Parameter Monitored	Monitoring Frequency * (P/C/N)	Compliance	Comments/Corrective Action Taken
Temperature of Gas at Wellhead	BAAQMD 8-34-414, 501.9 and 505.2	BAAQMD Condition # 16065, Part 5a	$\leq 140$ °F (This limit applies only to wells listed in BAAQMD Condition # 16065, Part 5a)	Monthly Inspection and Records	P/M	Continuous Yes	
Gas Concentrations at Wellhead	BAAQMD 8-34-414, 501.9 and 505.3 or 505.4	BAAQMD 8-34-305.3 or 305.4	$N_2 < 20\%$ <b>OR</b> $O_2 < 5\%$ (Wells listed in BAAQMD Condition # 16065, Part 5b are excluded from these limits.)	Monthly Inspection and Records	P/M	Continuous Yes	
Gas Concentrations at Header	BAAQMD Condition # 16065, Part 5b	BAAQMD Condition # 16065, Part 5b	$O_2 \leq 5\%$ by volume, dry basis <b>AND</b> $CH_4 \geq 35\%$ by volume, dry basis	Monthly Inspection and Records	P/M	Continuous Yes	
Well Shutdown Limits	BAAQMD 8-34-117.6 and 501.1	BAAQMD 8-34-117.4	No more than 5 wells at a time or 10% of total collection system, whichever is less	Records	P/D	Continuous Yes	
Well Shutdown Limits	BAAQMD 8-34-117.6 and 501.1	BAAQMD 8-34-117.5	$\leq 24$ hours per well	Records	P/D	Continuous Yes	
TOC (Total Organic Compounds Plus Methane)	BAAQMD 8-34-501.6 and 503 and BAAQMD Condition # 16065, Part 15c	BAAQMD 8-34-301.2	Component Leak Limit: $\leq 1000$ ppmv as methane at 1 cm from component (see BAAQMD Condition # 16065, Part 5c for Clarifications about vaults)	Quarterly Inspection of collection and control system components with Portable Analyzer and Records	P/Q	Intermittent Yes	2nd Quarter component checks for two fields (North Shore and Crittenden) were delayed due to a more extensive than usual mowing operation caused by the intense rainy 2023 storm season. They were completed by July 11 and 17, respectively.

**CITY OF MOUNTAIN VIEW**  
**Shoreline Landfill – Facility ID # A2740**  
**TITLE V SEMI ANNUAL MONITORING REPORT (1/1/2023 – 6/30/2023)**  
**PERMITTED UNITS: S-1 LANDFILL AND GAS COLLECTION SYSTEM; A-6, A-7, and A-8 LANDFILL GAS FLARES**

Type of Limit	Monitoring Requirement Citation	Citation of Limit	Limit	Parameter Monitored	Monitoring Frequency * (P/C/N)	Compliance	Comments/Corrective Action Taken
TOC	BAAQMD 8-34-415, 416, 501.6, 506 and 510 and BAAQMD Condition # 16065, Part 15c	BAAQMD 8-34-303	Surface Leak Limit: ≤ 500 ppmv as methane at 2 inches above surface (see BAAQMD Condition # 16065, Part 5c for clarifications about vaults)	Monthly Visual Inspection of Cover, Quarterly Inspection of Surface with Portable Analyzer, Reinspections as Needed, and Records	P/M, Q, and E	Continuous Yes	
Non-Methane Organic Compounds (NMOC)	BAAQMD 8-34-412 and 501.4 and BAAQMD Condition # 16065, Parts 13 and 15c	BAAQMD 8-34-301.3	≥ 98% removal by weight OR < 30 ppmv, dry basis @ 3% O <sub>2</sub> , expressed as methane (applies to flares only)	Source Tests and Records	P/A	Continuous Yes	
Temperature of Combustion Zone (CT)	BAAQMD 8-34-501.3 and 507	BAAQMD Condition # 16065, Part 7 (Updated: December 9, 2015)	CT ≥ 1577 °F, averaged over any 3-hour period (applies to each flares)	Temperature Sensor and Recorder	C	Continuous Yes	
SO <sub>2</sub>	BAAQMD Condition # 16065, Parts 13 and 15c or Parts 14 and 15c	BAAQMD Regulation 9-1-302	≤ 300 ppm (dry basis)	Annual Source Test At Flare or Sulfur Analysis of Landfill Gas at Header and Records	P/A	Continuous Yes	

**CITY OF MOUNTAIN VIEW**  
**Shoreline Landfill – Facility ID # A2740**  
**TITLE V SEMI ANNUAL MONITORING REPORT (1/1/2023 – 6/30/2023)**  
**PERMITTED UNITS: S-1 LANDFILL AND GAS COLLECTION SYSTEM; A-6, A-7, and A-8 LANDFILL GAS FLARES**

Type of Limit	Monitoring Requirement Citation	Citation of Limit	Limit	Parameter Monitored	Monitoring Frequency * (P/C/N)	Compliance	Comments/Corrective Action Taken
SO <sub>2</sub>	BAAQMD Condition # 16065, Parts 13f and 15c or 14 and 15c	BAAQMD Condition # 16065, Part 12 BAAQMD Regulation 9-1-302	≤ 9 ppm (dry basis) (applies to each flare A-6, A-7, and A-8)	Sulfur Analysis of Landfill Gas and Records	P/A	Continuous Yes	
Landfill Gas Sulfur Content	BAAQMD Condition # 16065, Parts 14 and 15c	BAAQMD Condition # 16065, Part 12	≤ 150 ppmv, expressed as H <sub>2</sub> S (applies if SO <sub>2</sub> testing is not conducted at flare exhaust)	Sulfur Analysis of Landfill Gas and Records	P/A	Continuous Yes	
NO <sub>x</sub>	BAAQMD Condition # 16065, Parts 13 and 15c	BAAQMD Condition # 16065, Part 9a (Updated: December 9, 2015)	≤ 0.06 lbs/MMBTU or ≤ 15 ppmv, as NO <sub>2</sub> at 15% O <sub>2</sub> , dry basis (applies to A-6, A-7, and A-8 flares only)	Source Tests and Records	P/A	Continuous Yes	
CO	BAAQMD Condition # 16065, Parts 13 and 15c	BAAQMD Condition # 16065, Part 10a	< 0.20 lbs/MMBTU or ≤ 83 ppmv, at 15% O <sub>2</sub> , dry basis (applies to A-6 A-7, and A-8 flares only)	Source Tests and Records	P/A	Continuous Yes	

\* Monitoring Frequency Legend

P = Periodic Monitoring / on an A = Annual, Q = Quarterly, M = Monthly, W = Weekly, D = Daily or E = Event basis  
C = Continuous Monitoring

**CITY OF MOUNTAIN VIEW**  
**Shoreline Landfill – Facility ID # A2740**  
**TITLE V SEMI ANNUAL MONITORING REPORT (1/1/2023 – 6/30/2023)**  
**PERMITTED UNITS: S-11 AND S-14 DIESEL ENGINES FOR EMERGENCY STANDBY GENERATORS**

<b>Type of Limit</b>	<b>Monitoring Requirement Citation</b>	<b>Citation of Limit</b>	<b>Limit</b>	<b>Parameter Monitored</b>	<b>Monitoring Frequency * (P/C)</b>	<b>Compliance</b>	<b>Comments/Corrective Action Taken</b>
Liquid Fuel Sulfur Content	BAAQMD Condition # 24175, Part 5f	BAAQMD Regulation 9-1-304	Fuel Sulfur Limit: ≤ 0.5% S by weight	Vendor Certification	P/E	Continuous Yes	
Liquid Fuel Sulfur Content	BAAQMD Condition # 24175, Part 5f	CCR Title 17, Section 93115.5(b) and CCR Title 13, Section 2281(a)(1-5)	Standby Engines must use CARB Diesel Fuel or other CARB Approved Alternative Fuel which has Fuel Sulfur Limits of: ≤ 15 ppmw of S	Vendor Certification	P/E	Continuous Yes	
Operating Hours	BAAQMD Regulation 9-8-530 and BAAQMD Condition # 24175, Parts 4 and 5a-d and CCR Title 17, Section 93115.10(e)(1)&(g)(1)	BAAQMD Condition # 24175, Part 1 and CCR Title 17, Section 93115.6 (b)(3)(A)(1)(b)	For S-11 Diesel Engine: Operating hours for Reliability-Related Activities: ≤ 30 hours in a calendar year	Hour Meter and Records	P/C, M	Continuous Yes	
Operating Hours	BAAQMD Regulation 9-8-530 and BAAQMD Condition # 24175, Parts 4 and 5a-d and CCR Title 17, Section 93115.10(e)(1)&(g)(1)	BAAQMD Regulation 9-8-330.3 and BAAQMD Condition # 24175, Part 2b	For S-14 Diesel Engine Operating hours for Reliability-Related Activities: ≤ 50 hours in a calendar year  (Effective 1/1/2012)	Hour Meter and Records	P/C, M	Continuous Yes  (Effective 1/1/2012)	

**CITY OF MOUNTAIN VIEW**  
**Shoreline Landfill – Facility ID # A2740**  
**TITLE V SEMI ANNUAL MONITORING REPORT (1/1/2023 – 6/30/2023)**  
**PERMITTED UNITS: S-11 AND S-14 DIESEL ENGINES FOR EMERGENCY STANDBY GENERATORS**

Type of Limit	Monitoring Requirement Citation	Citation of Limit	Limit	Parameter Monitored	Monitoring Frequency * (P/C)	Compliance	Comments/Corrective Action Taken
Operating Hours	40 CFR 63.6625(f) and 63.6655(f)(2)	40 CFR 63.6640 (f)(2)(i)	Operating Hours for Maintenance Checks, Readiness Testing, and Other Non-Emergency Operation: < 100 hours in a calendar year	Hour Meter and Records	C & P/M	Continuous Yes	
Operating Hours	40 CFR 63.6625(f) and 63.6655(f)(2)	40 CFR 63.6640 (f)(4)	Operating Hours for Non-Emergency Operation: < 50 hours in a calendar year	Hour Meter and Records	C & P/M	Continuous Yes	
Maintenance	40 CFR §63.6625(f); 63.6655(e)	40 CFR §63.6603(a)	Every 500 hours or annually, whichever comes first: Change oil and filter; unless following oil analysis program under §63.6625(j)	Non-resettable Hour Meter; Records	C P/E	Continuous Yes	
Maintenance	40 CFR §63.6625(f); 63.6655(e)	40 CFR §63.6603(a)	Every 1000 hours or annually, whichever comes first: Inspect spark plugs and replace as necessary	Non-resettable Hour Meter; Records	C P/E	Continuous Yes	
Maintenance	40 CFR §63.6625(f); 63.6655(e)	40 CFR §63.6603(a)	Every 500 hours or annually, whichever comes first: Inspect hoses and belts and replace as necessary	Non-resettable Hour Meter; Records	C P/E	Continuous Yes	

\* Monitoring Frequency Legend

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C = Continuous Monitoring

**CITY OF MOUNTAIN VIEW**  
**Shoreline Landfill – Facility ID # A2740**  
**TITLE V SEMI ANNUAL MONITORING REPORT (1/1/2023 – 6/30/2023)**  
**PERMITTED UNITS: S-16 MICROTURBINE, AND S-17 MICROTURBINE**

Type of Limit	Monitoring Requirement Citation	Citation of Limit	Limit	Parameter Monitored	Monitoring Frequency * (P/C)	Compliance	Comments/Corrective Action Taken
TOC (Total Organic Compounds Plus Methane)	BAAQMD 8-34-501.6 and 503 and BAAQMD Condition # 16065, Part 15c	BAAQMD 8-34-301.2	≤ 1000 ppmv as methane (component leak limit)	Quarterly Inspection of Control System Components with Portable Analyzer and Records	P/Q	Continuous Yes	
Non-Methane Organic Compounds (NMOC)	BAAQMD 8-34-412 and 501.4 and BAAQMD Condition # 24989, Parts 2 and 3	BAAQMD 8-34-301.4	≥ 98% removal by weight OR < 120 ppmv, dry basis @ 3% O <sub>2</sub> , expressed as methane	Source Tests and Records	P/A	Continuous Yes	
Volatile Organic Compounds (VOC)	CCR Title 17 Section 95204	BAAQMD Condition # 24989, Part 1	< 1.0 lbs/MW-hr	CARB Certification	P/E	Continuous Yes	
NO <sub>x</sub>	CCR Title 17 Section 95204	BAAQMD Condition # 24989, Part 1	< 0.5 lbs/MW-hr	CARB Certification	P/E	Continuous Yes	
CO	CCR Title 17 Section 95204	BAAQMD Condition # 24989, Part 1	< 6.0 lbs/MW-hr	CARB Certification	P/E	Continuous Yes	

\* Monitoring Frequency Legend

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C = Continuous Monitoring

SSM PLAN REPORT  
2023 – FIRST INCREMENT

CITY OF MOUNTAIN VIEW  
SHORELINE LANDFILL  
MOUNTAIN VIEW, CALIFORNIA  
(FACILITY NO. A2740)



**CITY OF MOUNTAIN VIEW  
SHORELINE LANDFILL, FACILITY ID A2740  
EMISSION CONTROL SYSTEM SHUTDOWN SUMMARY  
January 1 - June 30, 2023**

Period	Duration Hours: Minutes
<b>Total shutdown duration from January 1 - June 30, 2023</b>	<b>23:08</b>

Date	Description * (January 1 - June 30, 2023) Maintenance, operation and repairs requiring Flare station Shutdown	Shutdown	Start up	Duration Hours: Minutes
1/3/2023	Sumps out behind flare station	2:11 PM	2:30 PM	0:19
1/3/2023	Sumps out behind flare station	3:45 PM	3:55 PM	0:10
1/3/2023	Sumps out behind flare station	7:08 PM	9:15 PM	2:07
1/3/2023	Sumps out behind flare station	10:20 PM	10:51 PM	0:31
1/12/2023	Blower change	8:56 AM	9:40 AM	0:44
1/20/2023	Change flare #2	8:27 AM	8:35 AM	0:08
1/25/2023	Flare station source test	12:35 PM	12:45 PM	0:10
1/28/2023	Low gas flow	11:50 PM	12:05 AM	0:15
1/31/2023	Calibrate flow meters (Telstar)	7:14 AM	10:24 AM	3:10
2/6/2023	Change out valves for blowers	8:41 AM	11:44 AM	3:03
2/11/2023	Change 10" valve at blower #1	7:20 AM	8:13 AM	0:53
2/14/2023	Change valve on Flare #2	8:40 AM	9:06 AM	0:26
3/21/2023	Power failure	1:15 PM	1:23 PM	0:08
3/28/2023	Telstar testing loop inlet gas flows	8:24 AM	9:37 AM	1:13
4/1/2023	Low gas flow	1:20 PM	2:42 PM	1:22
4/6/2023	Low gas flow	1:50 PM	2:20 PM	0:30
4/10/2023	Cleaned purple peepers and repaired sump	7:21 AM	9:56 AM	2:35
5/13/2023	High Temperature	2:18 PM	3:29 PM	1:11
6/4/2023	Low gas flow	7:10 PM	7:19 PM	0:09
6/13/2023	Blower change from #3 to #2	7:23 AM	7:35 AM	0:12
6/14/2023	Telstar to calibrate flare flow meters	7:16 AM	10:37 AM	3:21
6/14/2023	Telstar to calibrate flare flow meters	10:59 AM	11:30 AM	0:31

\* - Monitoring records are attached.

SSM PLAN REPORT FORM /  
FLARE STATION DAILY CHECKLIST  
City of Mountain View Flare Station

Date January, 3<sup>rd</sup>, 2023  
s m o w t h f s

AM MONITORING

Name Miguel Varela  
Arrival Time 6:20AM Departure Time 6:40AM  
GEM# Envision #4 Manometer  yes  no

LFG to Flares

CH4 %	CO2 %	O2 %
47.6	34.2	1.6

Flare Operation	Temp.	Vac.	SCFM
Flare #1	/	/	/
Flare #2	/	/	/
Flare #3	1466	0.50"	207

Blower Oper.	RPM	Hours
Blower #1	2100	19928.8
Blower #2	/	/
Blower #3	/	/

Air Compressor Hours: 10863.8

Google SCFM: am: 27 pm:

LFG at Inlets	6A NE	Vista	F9 / B9
CH4 %	47.7	45.1	48.6
CO2 %	34.3	32.9	32.5
O2 %	1.3	1.2	2.7
Vacuum	-42.3"	-42.1"	-42.3"
SCFM	173	138	69
Temperature	57	58	57

Time of Shutdown:	2:11pm	3:45pm	7:06pm
Time of Start-Up:	2:30pm	3:55pm	9:15pm
Duration of (Shutdown) Malfunction:	19 min	10 min	2hr 7min

Reason for (Shutdown) Malfunction:

- Air-Compressor System     Blower     High Gas Flow  
 High Temperature     LEL     Low Gas Flow  
 Low Temperature     UV Scanner System  
 Power Failure     Scheduled Preventive Maintenance

Sumps out behind flare station.

PM MONITORING

Name \_\_\_\_\_  
Arrival Time \_\_\_\_\_ Departure Time \_\_\_\_\_  
GEM# \_\_\_\_\_ Manometer \_\_\_\_\_ yes / no

LFG to Flares

CH4 %	CO2 %	O2 %

Flare Operation	Temp.	Vac.	SCFM
Flare #1			
Flare #2			
Flare #3			

LFG at Inlets	6A NE	Vista	F9 / B9
Vacuum			
SCFM			

Back Up Generator Running \_\_\_\_\_ yes /  no

Control Room Bypass \_\_\_\_\_ yes /  no

The facility's program logic controller automatically reacted diligently and expeditiously to shut down the flare station, closed the shutdown valve as programmed isolating all LFG in the piping system to avoid excess emissions, and notified the staff.  yes / no

The program logic controller or staff restarted the flare station and / or back-up generator in a diligent and expeditious manner to avoid excess emissions.  yes / no

Comments and/or Description of Malfunction and Affected Equipment: \_\_\_\_\_

10:20pm
10:51pm
31 min
Emission Exceedence: _____ yes* / <input checked="" type="radio"/> no

SSM Plan Procedures Followed: \_\_\_\_\_  yes / no\*

If SSM Plan Procedure not followed, explain procedure used: \_\_\_\_\_

\* If Emission Exceedence or SSM Procedures are not followed it must be reported to EPA/BAAQMD within 24 hours per SSM plan. (Report to EEC immediately and complete departure report)

Are any comments, descriptions, other information, etc. continued on the back side? \_\_\_\_\_ yes /  no

Signature \_\_\_\_\_ Date 1/3/23

SSM PLAN REPORT FORM /  
FLARE STATION DAILY CHECKLIST  
City of Mountain View Flare Station

Date 1/12/23  
s m t w th f s

AM MONITORING

Name LEON ROSARIO  
Arrival Time 7:30 am Departure Time 7:40 am  
GEM# ENV #4 Manometer  yes  no

LFG to Flares

CH4 %	CO2 %	O2 %
48.8	34.8	1.1

Flare Operation	Temp.	Vac.	SCFM
Flare #1	/	/	/
Flare #2	/	/	/
Flare #3	1634	1.17"	309

Blower Oper.	RPM	Hours
Blower #1	2100	10144.1
Blower #2	/	/
Blower #3	/	/

Air Compressor Hours: 10932.4

Google SCFM: am: 0 pm:

LFG at Inlets	6A NE	Vista	F9 / B9
CH4 %	50.2	45.3	52.7
CO2 %	34.1	32.6	33.1
O2 %	1.0	0.9	1.9
Vacuum	-41.8"	-41.0"	-41.7"
SCFM	173	226	35
Temperature	58	59	58

Time of Shutdown: 8:56 am  
Time of Start-Up: 9:40 am  
Duration of Shutdown/Malfunction: 44 min

Reason for Shutdown/Malfunction:

- Air-Compressor System  Blower  High Gas Flow
- High Temperature  LEL  Low Gas Flow
- Low Temperature  UV Scanner System
- Power Failure  Scheduled Preventive Maintenance

Blower change

PM MONITORING

Name \_\_\_\_\_  
Arrival Time \_\_\_\_\_ Departure Time \_\_\_\_\_  
GEM# \_\_\_\_\_ Manometer \_\_\_\_\_ yes / no

LFG to Flares

CH4 %	CO2 %	O2 %

Flare Operation	Temp.	Vac.	SCFM
Flare #1			
Flare #2			
Flare #3			

LFG at Inlets	6A NE	Vista	F9 / B9
Vacuum			
SCFM			

Back Up Generator Running yes /  no

Control Room Bypass yes /  no

The facility's program logic controller automatically reacted diligently and expeditiously to shut down the flare station, closed the shutdown valve as programmed isolating all LFG in the piping system to avoid excess emissions, and notified the staff.

The program logic controller or staff restarted the flare station and / or back-up generator in a diligent and expeditious manner to avoid excess emissions.

Comments and/or Description of Malfunction and Affected Equipment:

Emission Exceedence: yes\* /  no

SSM Plan Procedures Followed:  yes /  no\*

If SSM Plan Procedure not followed, explain procedure used:

\* If Emission Exceedence or SSM Procedures are not followed it must be reported to EPA/BAAQMD within 24 hours per SSM plan. (Report to EEC immediately and complete departure report)

Are any comments, descriptions, other information, etc. continued on the back side? yes /  no

Signature [Signature] Date 1/12/23

SSM PLAN REPORT FORM /  
FLARE STATION DAILY CHECKLIST  
City of Mountain View Flare Station

Date January 20<sup>th</sup>, 2023  
s m w th (f) s

AM MONITORING

PM MONITORING

Name Adrian Vega

Name \_\_\_\_\_

Arrival Time 7:35AM Departure Time 7:45AM

Arrival Time \_\_\_\_\_ Departure Time \_\_\_\_\_

GEM# Emission #4 Manometer  yes  no

GEM# \_\_\_\_\_ Manometer  yes  no

LFG to Flares

CH4 %	CO2 %	O2 %
<u>48.2</u>	<u>32.9</u>	<u>1.8</u>

LFG to Flares

CH4 %	CO2 %	O2 %

Flare Operation	Temp.	Vac.	SCFM
Flare #1	/	/	/
Flare #2	/	/	/
Flare #3	<u>1629</u>	<u>1.06"</u>	<u>298</u>

Flare Operation	Temp.	Vac.	SCFM
Flare #1			
Flare #2			
Flare #3			

Blower Oper.	RPM	Hours
Blower #1	/	/
Blower #2	<u>2100</u>	<u>14249.5</u>
Blower #3	/	/

LFG at Inlets	6A NE	Vista	F9 / B9
Vacuum			
SCFM			

Air Compressor Hours: 10981.4

Back Up Generator Running  yes  no

Google SCFM: am: 18 pm: \_\_\_\_\_

Control Room Bypass  yes  no

LFG at Inlets	6A NE	Vista	F9 / B9
CH4 %	<u>49.8</u>	<u>45.2</u>	<u>48.3</u>
CO2 %	<u>33.9</u>	<u>31.3</u>	<u>30.6</u>
O2 %	<u>1.3</u>	<u>1.5</u>	<u>3.7</u>
Vacuum	<u>-43.1"</u>	<u>-42.5"</u>	<u>-43.0"</u>
SCFM	<u>171</u>	<u>225</u>	<u>84</u>
Temperature	<u>56</u>	<u>57</u>	<u>54</u>

The facility's program logic controller automatically reacted diligently and expeditiously to shut down the flare station, closed the shutdown valve as programmed isolating all LFG in the piping system to avoid excess emissions, and notified the staff.  yes  no

The program logic controller or staff restarted the flare station and / or back-up generator in a diligent and expeditious manner to avoid excess emissions.  yes  no

Comments and/or Description of Malfunction and Affected Equipment: \_\_\_\_\_

Time of Shutdown:	<u>8:27am</u>
Time of Start-Up:	<u>8:35am</u>
Duration of <del>Shutdown</del> Malfunction:	<u>8 min</u>

Emission Exceedence:  yes\*  no

Reason for ~~Shutdown~~ Malfunction: \_\_\_\_\_

SSM Plan Procedures Followed:  yes  no\*

- Air-Compressor System
- Blower
- High Gas Flow
- High Temperature
- LEL
- Low Gas Flow
- Low Temperature
- UV Scanner System
- Power Failure
- Scheduled Preventive Maintenance

If SSM Plan Procedure not followed, explain procedure used: \_\_\_\_\_

Change Flame Arrestor #2

\* If Emission Exceedence or SSM Procedures are not followed it must be reported to EPA/BAAQMD within 24 hours per SSM plan. (Report to EEC immediately and complete departure report)

Signature [Signature] Date 1/20/23

Are any comments, descriptions, other information, etc. continued on the back side?  yes  no

SSM PLAN REPORT FORM /  
FLARE STATION DAILY CHECKLIST  
City of Mountain View Flare Station

Date January 25<sup>th</sup>, 2023  
s m t w th f s

AM MONITORING

Name JASON R BEAN  
Arrival Time 6:40am Departure Time 6:50pm  
GEM# ENVISION#4 Manometer  yes  no

PM MONITORING

Name \_\_\_\_\_  
Arrival Time \_\_\_\_\_ Departure Time \_\_\_\_\_  
GEM# \_\_\_\_\_ Manometer \_\_\_\_\_ yes / no

LFG to Flares

CH4 %	CO2 %	O2 %
48.7	31.9	1.8

LFG to Flares

CH4 %	CO2 %	O2 %

Flare Operation	Temp.	Vac.	SCFM
Flare #1	1617	2.14"	106
Flare #2	1631	1.53"	202
Flare #3			

Flare Operation	Temp.	Vac.	SCFM
Flare #1			
Flare #2			
Flare #3			

Blower Oper.	RPM	Hours
Blower #1		
Blower #2	2100	64368.6
Blower #3		

LFG at Inlets	6A NE	Vista	F9 / B9
Vacuum			
SCFM			

Air Compressor Hours: 11008.9  
Google SCFM: am: 17 pm: \_\_\_\_\_

Back Up Generator Running \_\_\_\_\_ yes /  no

Control Room Bypass \_\_\_\_\_ yes /  no

LFG at Inlets	6A NE	Vista	F9 / B9
CH4 %	50.8	47.6	47.1
CO2 %	32.9	31.8	29.6
O2 %	1.2	1.2	3.8
Vacuum	-42.7"	-42.0"	-42.6"
SCFM	170	224	73
Temperature	54	57	54

The facility's program logic controller automatically reacted diligently and expeditiously to shut down the flare station, closed the shutdown valve as programmed isolating all LFG in the piping system to avoid excess emissions, and notified the staff.  yes / no

The program logic controller or staff restarted the flare station and / or back-up generator in a diligent and expeditious manner to avoid excess emissions.  yes / no

Comments and/or Description of Malfunction and Affected Equipment: \_\_\_\_\_

Time of Shutdown: 12:35pm  
Time of Start-Up: 12:45pm  
Duration of Shutdown/Malfunction: 10 min

Reason for Shutdown/Malfunction: \_\_\_\_\_  
 Air-Compressor System    Blower    High Gas Flow  
 High Temperature    LEL    Low Gas Flow  
 Low Temperature    UV Scanner System  
 Power Failure    Scheduled Preventive Maintenance

Emission Exceedence: \_\_\_\_\_ yes\* /  no

SSM Plan Procedures Followed: \_\_\_\_\_  yes / no\*

If SSM Plan Procedure not followed, explain procedure used: \_\_\_\_\_

Flare station Source Test  
Rest Environmental / Switch Flares

\* If Emission Exceedence or SSM Procedures are not followed it must be reported to EPA/BAAQMD within 24 hours per SSM plan. (Report to EEC immediately and complete departure report)

Signature Jason R. Bean Date 1/25/23

Are any comments, descriptions, other information, etc. continued on the back side? \_\_\_\_\_ yes /  no

**SSM PLAN REPORT FORM /  
FLARE STATION DAILY CHECKLIST**  
City of Mountain View Flare Station

Date 1-28-23  
s m t w th f s

**AM MONITORING**

**PM MONITORING**

Name LEON ROSARIO

Name \_\_\_\_\_

Arrival Time 12:40am Departure Time 12:57am

Arrival Time \_\_\_\_\_ Departure Time \_\_\_\_\_

GEM# EVV #4 Manometer  yes  no

GEM# \_\_\_\_\_ Manometer \_\_\_\_\_ yes / no

LFG to Flares

CH4 %	CO2 %	O2 %
<u>49.1</u>	<u>30.2</u>	<u>1.6</u>

LFG to Flares

CH4 %	CO2 %	O2 %

Flare Operation	Temp.	Vac.	SCFM
Flare #1	<u>/</u>	<u>/</u>	<u>/</u>
Flare #2	<u>/</u>	<u>/</u>	<u>/</u>
Flare #3	<u>1635</u>	<u>1.06"</u>	<u>336</u>

Flare Operation	Temp.	Vac.	SCFM
Flare #1			
Flare #2			
Flare #3			

Blower Oper.	RPM	Hours
Blower #1	<u>/</u>	<u>/</u>
Blower #2	<u>2100</u>	
Blower #3	<u>/</u>	<u>/</u>

LFG at Inlets	6A NE	Vista	F9 / B9
Vacuum			
SCFM			

Air Compressor Hours: 11029.3

Back Up Generator Running yes /  no

Google SCFM: am: 23 pm: \_\_\_\_\_

Control Room Bypass yes /  no

LFG at Inlets	6A NE	Vista	F9 / B9
CH4 %	<u>50.2</u>	<u>47.9</u>	<u>46.2</u>
CO2 %	<u>35.6</u>	<u>33.3</u>	<u>30.5</u>
O2 %	<u>1.5</u>	<u>1.1</u>	<u>3.6</u>
Vacuum	<u>42.7"</u>	<u>41.7"</u>	<u>42.1"</u>
SCFM	<u>148</u>	<u>142</u>	<u>60</u>
Temperature	<u>54</u>	<u>56</u>	<u>55</u>

The facility's program logic controller automatically reacted diligently and expeditiously to shut down the flare station, closed the shutdown valve as programmed isolating all LFG in the piping system to avoid excess emissions, and notified the staff. yes /  no

The program logic controller or staff restarted the flare station and / or back-up generator in a diligent and expeditious manner to avoid excess emissions. yes /  no

Comments and/or Description of Malfunction and Affected Equipment: \_\_\_\_\_

Time of Shutdown: 11:50 pm  
Time of Start-Up: 12:05 Am  
Duration of Shutdown Malfunction: 15 min

- Reason for Shutdown Malfunction:
- Air-Compressor System
  - Blower
  - High Gas Flow
  - High Temperature
  - LEL
  - Low Gas Flow
  - Low Temperature
  - UV Scanner System
  - Power Failure
  - Scheduled Preventive Maintenance

Emission Exceedence: yes\* /  no

SSM Plan Procedures Followed:  yes /  no\*

If SSM Plan Procedure not followed, explain procedure used: \_\_\_\_\_

\* If Emmission Exceedence or SSM Procedures are not followed it must be reported to EPA/BAAQMD within 24 hours per SSM plan. (Report to EEC immediately and complete departure report)

Signature [Signature] Date 1/28/23

Are any comments, descriptions, other information, etc. continued on the back side? yes /  no

**SSM PLAN REPORT FORM /  
FLARE STATION DAILY CHECKLIST**  
City of Mountain View Flare Station

Date January 31<sup>st</sup>, 2023  
s m o w th f s

**AM MONITORING**

Name Adrian Vega  
Arrival Time 6:40 AM Departure Time 6:50 AM  
GEM# Emission #4 Manometer  yes  no

**PM MONITORING**

Name \_\_\_\_\_  
Arrival Time \_\_\_\_\_ Departure Time \_\_\_\_\_  
GEM# \_\_\_\_\_ Manometer  yes  no

LFG to Flares

CH4 %	CO2 %	O2 %
<u>49.0</u>	<u>34.3</u>	<u>1.9</u>

LFG to Flares

CH4 %	CO2 %	O2 %

Flare Operation	Temp.	Vac.	SCFM
Flare #1	/	/	/
Flare #2	/	/	/
Flare #3	<u>1627</u>	<u>1.17"</u>	<u>313</u>

Flare Operation	Temp.	Vac.	SCFM
Flare #1			
Flare #2			
Flare #3			

Blower Oper.	RPM	Hours
Blower #1	/	/
Blower #2	<u>2100</u>	<u>64512.1</u>
Blower #3	/	/

LFG at Inlets	6A NE	Vista	F9 / B9
Vacuum			
SCFM			

Air Compressor Hours: 11049.6

Google SCFM: am: 0 pm: \_\_\_\_\_

Back Up Generator Running  yes  no

Control Room Bypass  yes  no

The facility's program logic controller automatically reacted diligently and expeditiously to shut down the flare station, closed the shutdown valve as programmed isolating all LFG in the piping system to avoid excess emissions, and notified the staff.

The program logic controller or staff restarted the flare station and / or back-up generator in a diligent and expeditious manner to avoid excess emissions.

Comments and/or Description of Malfunction and Affected Equipment: \_\_\_\_\_

LFG at Inlets	6A NE	Vista	F9 / B9
CH4 %	<u>50.4</u>	<u>48.4</u>	<u>46.3</u>
CO2 %	<u>34.1</u>	<u>32.6</u>	<u>30.5</u>
O2 %	<u>1.6</u>	<u>1.1</u>	<u>4.0</u>
Vacuum	<u>-43.2"</u>	<u>-42.5"</u>	<u>-43.2"</u>
SCFM	<u>168</u>	<u>210</u>	<u>95</u>
Temperature	<u>53</u>	<u>54</u>	<u>53</u>

Time of Shutdown: 7:14 AM  
Time of Start-Up: 10:24 AM  
Duration of Shutdown/Malfunction: 3hrs 10min

Reason for Shutdown/Malfunction:  
 Air-Compressor System    Blower    High Gas Flow  
 High Temperature    LEL    Low Gas Flow  
 Low Temperature    UV Scanner System  
 Power Failure    Scheduled Preventive Maintenance

Calibrate flow meters (Telestar)

Signature \_\_\_\_\_ Date 1/31/23

Emission Exceedence:  yes\*  no

SSM Plan Procedures Followed:  yes  no\*

If SSM Plan Procedure not followed, explain procedure used: \_\_\_\_\_

\* If Emission Exceedence or SSM Procedures are not followed it must be reported to EPA/BAAQMD within 24 hours per SSM plan. (Report to EEC immediately and complete departure report)

Are any comments, descriptions, other information, etc. continued on the back side?  yes  no

SSM PLAN REPORT FORM /  
FLARE STATION DAILY CHECKLIST  
City of Mountain View Flare Station

Date February 6<sup>th</sup>, 2023  
s m t w th f s

AM MONITORING

Name Jason R Bean  
Arrival Time 6:50 AM Departure Time 7:06 am  
GEM# EMULSION #4 Manometer  yes  no

PM MONITORING

Name \_\_\_\_\_  
Arrival Time \_\_\_\_\_ Departure Time \_\_\_\_\_  
GEM# \_\_\_\_\_ Manometer \_\_\_\_\_ yes / no

LFG to Flares

CH4 %	CO2 %	O2 %
48.6	33.3	1.9

LFG to Flares

CH4 %	CO2 %	O2 %

Flare Operation	Temp.	Vac.	SCFM
Flare #1	/	/	/
Flare #2	/	/	/
Flare #3	1628	0.96"	286

Flare Operation	Temp.	Vac.	SCFM
Flare #1			
Flare #2			
Flare #3			

Blower Oper.	RPM	Hours
Blower #1	/	/
Blower #2	2100	14653.6
Blower #3	/	/

LFG at Inlets	6A NE	Vista	F9 / B9
Vacuum			
SCFM			

Air Compressor Hours: 11095.4  
Google SCFM: am: 21 pm: \_\_\_\_\_

Back Up Generator Running: yes /  no  
Control Room Bypass: yes /  no

LFG at Inlets	6A NE	Vista	F9 / B9
CH4 %	49.3	47.8	46.8
CO2 %	33.6	33.4	30.9
O2 %	1.7	1.3	3.7
Vacuum	-435"	-42.9"	-433"
SCFM	164	220	78
Temperature	54	56	54

The facility's program logic controller automatically reacted diligently and expeditiously to shut down the flare station, closed the shutdown valve as programmed isolating all LFG in the piping system to avoid excess emissions, and notified the staff.  yes / no

The program logic controller or staff restarted the flare station and / or back-up generator in a diligent and expeditious manner to avoid excess emissions.  yes / no

Comments and/or Description of Malfunction and Affected Equipment: \_\_\_\_\_

Time of Shutdown: 8:41 pm  
Time of Start-Up: 11:44 am  
Duration of Shutdown/Malfunction: 3hr 3min

Reason for Shutdown/Malfunction:  
 Air-Compressor System  Blower  High Gas Flow  
 High Temperature  LEL  Low Gas Flow  
 Low Temperature  UV Scanner System  
 Power Failure  Scheduled Preventive Maintenance

Emission Exceedence: yes\* /  no  
SSM Plan Procedures Followed:  yes / no\*  
If SSM Plan Procedure not followed, explain procedure used: \_\_\_\_\_

Change out valves for blowers

\* If Emission Exceedence or SSM Procedures are not followed it must be reported to EPA/BAAQMD within 24 hours per SSM plan. (Report to EEC immediately and complete departure report)

Signature Jason R Bean Date 2/6/23

Are any comments, descriptions, other information, etc. continued on the back side? yes /  no



SSM PLAN REPORT FORM /  
FLARE STATION DAILY CHECKLIST  
City of Mountain View Flare Station

Date February 11<sup>th</sup>, 2023  
s m t w th f s

AM MONITORING

Name Jason R Beam

Arrival Time 7:00pm Departure Time \_\_\_\_\_

GEM# \_\_\_\_\_ Manometer  yes  no

LFG to Flares

CH4 %	CO2 %	O2 %

Flare Operation	Temp.	Vac.	SCFM
Flare #1			
Flare #2			
Flare #3			

Blower Oper.	RPM	Hours
Blower #1		
Blower #2		
Blower #3		

Air Compressor Hours: \_\_\_\_\_

Google SCFM: am: \_\_\_\_\_ pm: \_\_\_\_\_

LFG at Inlets	6A NE	Vista	F9 / B9
CH4 %			
CO2 %			
O2 %			
Vacuum			
SCFM			
Temperature			

Time of Shutdown: 7:20 AM  
Time of Start-Up: 8:13 AM  
Duration of Shutdown/Malfunction: 53 min

Reason for Shutdown/Malfunction:

- Air-Compressor System     Blower     High Gas Flow
- High Temperature     LEL     Low Gas Flow
- Low Temperature     UV Scanner System
- Power Failure     Scheduled Preventive Maintenance

Change 10" valve @ Blower #1

PM MONITORING

Name \_\_\_\_\_

Arrival Time \_\_\_\_\_ Departure Time \_\_\_\_\_

GEM# \_\_\_\_\_ Manometer  yes /  no

LFG to Flares

CH4 %	CO2 %	O2 %

Flare Operation	Temp.	Vac.	SCFM
Flare #1			
Flare #2			
Flare #3			

LFG at Inlets	6A NE	Vista	F9 / B9
Vacuum			
SCFM			

Back Up Generator Running  yes /  no\*

Control Room Bypass  yes /  no

The facility's program logic controller automatically reacted diligently and expeditiously to shut down the flare station, closed the shutdown valve as programmed isolating all LFG in the piping system to avoid excess emissions, and notified the staff.  yes /  no

The program logic controller or staff restarted the flare station and / or back-up generator in a diligent and expeditious manner to avoid excess emissions.  yes /  no

Comments and/or Description of Malfunction and Affected Equipment:

Emission Exceedence:  yes\* /  no

SSM Plan Procedures Followed:  yes /  no\*

If SSM Plan Procedure not followed, explain procedure used:

\* If Emmission Exceedence or SSM Procedures are not followed it must be reported to EPA/BAAQMD within 24 hours per SSM plan. (Report to EEC immediately and complete departure report)

Are any comments, descriptions, other information, etc. continued on the back side?  yes /  no

Signature Jason R Beam Date 2/11/23

SSM PLAN REPORT FORM /  
FLARE STATION DAILY CHECKLIST  
City of Mountain View Flare Station

Date February 14<sup>th</sup>, 2023  
s m t w t h f s

AM MONITORING

Name JASON R. BEAN  
Arrival Time 6:39 AM Departure Time 6:52 AM  
GEM# ENVISION #2 Manometer  yes  no

PM MONITORING

Name \_\_\_\_\_  
Arrival Time \_\_\_\_\_ Departure Time \_\_\_\_\_  
GEM# \_\_\_\_\_ Manometer \_\_\_\_\_ yes / no

LFG to Flares

CH4 %	CO2 %	O2 %
47.8	32.2	2.5

LFG to Flares

CH4 %	CO2 %	O2 %

Flare Operation	Temp.	Vac.	SCFM
Flare #1	1626	1.24"	77
Flare #2			
Flare #3	1621	0.86"	281

Flare Operation	Temp.	Vac.	SCFM
Flare #1			
Flare #2			
Flare #3			

Blower Oper.	RPM	Hours
Blower #1		
Blower #2	2100	61655.3
Blower #3		

LFG at Inlets	6A NE	Vista	F9 / B9
Vacuum			
SCFM			

Air Compressor Hours: 11146.6  
Google SCFM: am: 0 pm: \_\_\_\_\_

Back Up Generator Running \_\_\_\_\_ yes /  no

Control Room Bypass \_\_\_\_\_ yes /  no

LFG at Inlets	6A NE	Vista	F9 / B9
CH4 %	47.0	50.5	45.7
CO2 %	32.4	33.3	30.5
O2 %	2.5	1.1	4.1
Vacuum	-43.2"	-42.5"	-43.1"
SCFM	185	209	119
Temperature	55	56	55

The facility's program logic controller automatically reacted diligently and expeditiously to shut down the flare station, closed the shutdown valve as programmed isolating all LFG in the piping system to avoid excess emissions, and notified the staff.

The program logic controller or staff restarted the flare station and / or back-up generator in a diligent and expeditious manner to avoid excess emissions.

Comments and/or Description of Malfunction and Affected Equipment: \_\_\_\_\_

Time of Shutdown: 8:40 AM  
Time of Start-Up: 9:06 AM  
Duration of Shutdown/Malfunction: 26 min

Reason for Shutdown/Malfunction:  
 Air-Compressor System  Blower  High Gas Flow  
 High Temperature  LEL  Low Gas Flow  
 Low Temperature  UV Scanner System  
 Power Failure  Scheduled Preventive Maintenance

Emission Exceedence: \_\_\_\_\_ yes\* /  no

SSM Plan Procedures Followed: \_\_\_\_\_  yes /  no\*

If SSM Plan Procedure **not** followed, explain procedure used: \_\_\_\_\_

Change actuator valve on Flare #2 TelStar assist.

\* If Emission Exceedence or SSM Procedures are **not** followed it must be reported to EPA/BAAQMD within 24 hours per SSM plan. (Report to EEC immediately and complete departure report)

Are any comments, descriptions, other information, etc. continued on the back side? \_\_\_\_\_ yes /  no

Signature Jason R. Bean Date \_\_\_\_\_

**SSM PLAN REPORT FORM /  
FLARE STATION DAILY CHECKLIST**  
City of Mountain View Flare Station

Date March 21<sup>st</sup>, 2023  
s m W th f s

**AM MONITORING**

Name Adrian Vega  
Arrival Time 7:15 AM Departure Time 7:30 AM  
GEM# Emission #2 Manometer  yes no

LFG to Flares

CH4 %	CO2 %	O2 %
49.9	33.1	2.8

Flare Operation	Temp.	Vac.	SCFM
Flare #1	1631	3.79"	136
Flare #2	1633	1.20"	173
Flare #3	/	/	/

Blower Oper.	RPM	Hours
Blower #1	/	/
Blower #2	2100	6544.7
Blower #3	/	/

Air Compressor Hours: 11359.8

Google SCFM: am: 0 pm:

LFG at Inlets	6A NE	Vista	F9 / B9
CH4 %	50.9	56.5	45.1
CO2 %	35.0	36.5	29.3
O2 %	2.5	0.2	4.9
Vacuum	-39.4"	-38.8"	-39.1"
SCFM	172	127	54
Temperature	57	58	57

Time of Shutdown: 1:15 pm  
Time of Start-Up: 1:23 pm  
Duration of Shutdown/Malfunction: 8 min

- Reason for Shutdown/Malfunction:
- Air-Compressor System
  - Blower
  - High Gas Flow
  - High Temperature
  - LEL
  - Low Gas Flow
  - Low Temperature
  - UV Scanner System
  - Power Failure
  - Scheduled Preventive Maintenance

Power failure due to tree striking power line.

**PM MONITORING**

Name \_\_\_\_\_  
Arrival Time \_\_\_\_\_ Departure Time \_\_\_\_\_  
GEM# \_\_\_\_\_ Manometer \_\_\_\_\_ yes / no

LFG to Flares

CH4 %	CO2 %	O2 %

Flare Operation	Temp.	Vac.	SCFM
Flare #1			
Flare #2			
Flare #3			

LFG at Inlets	6A NE	Vista	F9 / B9
Vacuum			
SCFM			

Back Up Generator Running  yes / no

Control Room Bypass  yes /  no

The facility's program logic controller automatically reacted diligently and expeditiously to shut down the flare station, closed the shutdown valve as programmed isolating all LFG in the piping system to avoid excess emissions, and notified the staff.  yes / no

The program logic controller or staff restarted the flare station and / or back-up generator in a diligent and expeditious manner to avoid excess emissions.  yes / no

Comments and/or Description of Malfunction and Affected Equipment: \_\_\_\_\_

\_\_\_\_\_

Emission Exceedence:  yes\* /  no

SSM Plan Procedures Followed:  yes /  no\*

If SSM Plan Procedure not followed, explain procedure used: \_\_\_\_\_

\* If Emission Exceedence or SSM Procedures are not followed it must be reported to EPA/BAAQMD within 24 hours per SSM plan. (Report to EEC immediately and complete departure report)

Are any comments, descriptions, other information, etc. continued on the back side?  yes /  no

Adrian Vega 3/21/23  
Signature Date

SSM PLAN REPORT FORM /  
FLARE STATION DAILY CHECKLIST  
City of Mountain View Flare Station

Date March 28<sup>th</sup>, 2023  
s m W th f s

AM MONITORING

Name Adrian Vega  
Arrival Time 7:07 AM Departure Time 7:22 AM  
GEM# Emission #2 Manometer  yes  no

LFG to Flares

CH4 %	CO2 %	O2 %
<u>49.7</u>	<u>32.3</u>	<u>2.6</u>

Flare Operation	Temp.	Vac.	SCFM
Flare #1	<u>1624</u>	<u>1.80"</u>	<u>96</u>
Flare #2	<u>1615</u>	<u>1.58"</u>	<u>205</u>
Flare #3	/	/	/

Blower Oper.	RPM	Hours
Blower #1	/	/
Blower #2	<u>2100</u>	<u>15506.9</u>
Blower #3	/	/

Air Compressor Hours: 11429.9  
Google SCFM: am: 15 pm:

LFG at Inlets	6A NE	Vista	F9 / B9
CH4 %	<u>47.5</u>	<u>55.2</u>	<u>45.9</u>
CO2 %	<u>33.1</u>	<u>34.7</u>	<u>29.4</u>
O2 %	<u>3.2</u>	<u>0.4</u>	<u>4.5</u>
Vacuum	<u>-41.4"</u>	<u>-40.9"</u>	<u>-41.3"</u>
SCFM	<u>178</u>	<u>129</u>	<u>46</u>
Temperature	<u>56</u>	<u>58</u>	<u>57</u>

Time of Shutdown: 8:24 am  
Time of Start-Up: 9:37 am  
Duration of Shutdown/Malfunction: 1 hr 13 min

Reason for Shutdown/Malfunction:

- Air-Compressor System     Blower     High Gas Flow  
 High Temperature     LEL     Low Gas Flow  
 Low Temperature     UV Scanner System  
 Power Failure     Scheduled Preventive Maintenance

Telstar testing loop inlet gas flows.

PM MONITORING

Name \_\_\_\_\_  
Arrival Time \_\_\_\_\_ Departure Time \_\_\_\_\_  
GEM# \_\_\_\_\_ Manometer  yes /  no

LFG to Flares

CH4 %	CO2 %	O2 %

Flare Operation	Temp.	Vac.	SCFM
Flare #1			
Flare #2			
Flare #3			

LFG at Inlets	6A NE	Vista	F9 / B9
Vacuum			
SCFM			

Back Up Generator Running  yes /  no

Control Room Bypass  yes /  no

The facility's program logic controller  yes /  no

automatically reacted diligently and expeditiously to shut down the flare station, closed the shutdown valve as programmed isolating all LFG in the piping system to avoid excess emissions, and notified the staff.

The program logic controller or staff restarted the flare station and / or back-up generator in a diligent and expeditious manner to avoid excess emissions.  yes /  no

the flare station and / or back-up generator in a diligent and expeditious manner to avoid excess emissions.

Comments and/or Description of Malfunction and Affected Equipment:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Emission Exceedence:  yes\* /  no

SSM Plan Procedures Followed:  yes /  no\*

If SSM Plan Procedure not followed, explain procedure used:

\* If Emission Exceedence or SSM Procedures are not followed it must be reported to EPA/BAAQMD within 24 hours per SSM plan. (Report to EEC immediately and complete departure report)

Are any comments, descriptions, other information, etc. continued on the back side?  yes /  no

[Signature] 3/28/2023  
Signature Date

**SSM PLAN REPORT FORM /  
FLARE STATION DAILY CHECKLIST**  
City of Mountain View Flare Station

Date April 1<sup>st</sup>, 2023  
m t w t h f s s

**AM MONITORING**

**PM MONITORING**

Name JASON R. BEAN

Name \_\_\_\_\_

Arrival Time 12:30pm Departure Time \_\_\_\_\_

Arrival Time \_\_\_\_\_ Departure Time \_\_\_\_\_

GEM# \_\_\_\_\_ Manometer  yes  no

GEM# \_\_\_\_\_ Manometer  yes /  no

**LFG to Flares**

CH4 %	CO2 %	O2 %

**LFG to Flares**

CH4 %	CO2 %	O2 %

Flare Operation	Temp.	Vac.	SCFM
Flare #1			
Flare #2			
Flare #3			

Flare Operation	Temp.	Vac.	SCFM
Flare #1			
Flare #2			
Flare #3			

Blower Oper.	RPM	Hours
Blower #1		
Blower #2		
Blower #3		

LFG at Inlets	6A NE	Vista	F9 / B9
Vacuum			
SCFM			

Air Compressor Hours: \_\_\_\_\_

Back Up Generator Running  yes /  no

Google SCFM: am: \_\_\_\_\_ pm: \_\_\_\_\_

Control Room Bypass  yes /  no

LFG at Inlets	6A NE	Vista	F9 / B9
CH4 %			
CO2 %			
O2 %			
Vacuum			
SCFM			
Temperature			

The facility's program logic controller automatically reacted diligently and expeditiously to shut down the flare station, closed the shutdown valve as programmed isolating all LFG in the piping system to avoid excess emissions, and notified the staff.  yes /  no

The program logic controller or staff restarted the flare station and / or back-up generator in a diligent and expeditious manner to avoid excess emissions.  yes /  no

Comments and/or Description of Malfunction and Affected Equipment: \_\_\_\_\_

Time of Shutdown: 1:20pm  
Time of Start-Up: 2:42pm  
Duration of ~~Shutdown~~ Malfunction: 1hr 22min

Reason for ~~Shutdown~~ Malfunction: \_\_\_\_\_

- Air-Compressor System
- Blower
- High Gas Flow
- High Temperature
- LEL
- Low Gas Flow
- Low Temperature
- UV Scanner System
- Power Failure
- Scheduled Preventive Maintenance

Emission Exceedence:  yes\* /  no

SSM Plan Procedures Followed:  yes /  no\*

If SSM Plan Procedure not followed, explain procedure used: \_\_\_\_\_

Header Sump Blockage  
CRS-6A 6A NE / Crittenden

\* If Emmission Exceedence or SSM Procedures are not followed it must be reported to EPA/BAAQMD within 24 hours per SSM plan. (Report to EEC immediately and complete departure report)

Signature JASON R. BEAN Date 4/1/23

Are any comments, descriptions, other information, etc. continued on the back side?  yes /  no

SSM PLAN REPORT FORM /  
 FLARE STATION DAILY CHECKLIST  
 City of Mountain View Flare Station

Date 4-6-23  
 s m t w th f s

AM MONITORING

Name LEON ROSARIO  
 Arrival Time 8:50am Departure Time 9am  
 GEM# CNV #2 Manometer  yes / no

LFG to Flares

CH4 %	CO2 %	O2 %
50.1	32.1	2.5

Flare Operation	Temp.	Vac.	SCFM
Flare #1	1619	2.25"	112
Flare #2	1636	2.17"	226
Flare #3	✓	✓	✓

Blower Oper.	RPM	Hours
Blower #1	✓	✓
Blower #2	✓	✓
Blower #3	2100	3117.6

Air Compressor Hours: 11495.4  
 Google SCFM: am: 18 pm:

LFG at Inlets	6A NE	Vista	F9 / B9
CH4 %	51.2	55.6	45.8
CO2 %	43.7	39.7	28.3
O2 %	1.5	0.6	4.7
Vacuum	-41.3"	-41.1"	-41.1"
SCFM	232	207	98
Temperature	57	58	58

Time of Shutdown: 1:50PM 4/6/23  
 Time of Start-Up: 2:20PM 4/6/23  
 Duration of Shutdown/Malfunction: 30Min

Reason for Shutdown/Malfunction: Low Gas Flow  
 Air-Compressor System  Blower  High Gas Flow  
 High Temperature  LEL  Low Gas Flow  
 Low Temperature  UV Scanner System  
 Power Failure  Scheduled Preventive Maintenance

Switched 6ANE gas flow to F9.

Signature [Signature] Date 4/6/23

PM MONITORING

Name \_\_\_\_\_  
 Arrival Time \_\_\_\_\_ Departure Time \_\_\_\_\_  
 GEM# \_\_\_\_\_ Manometer \_\_\_\_\_ yes / no

LFG to Flares

CH4 %	CO2 %	O2 %

Flare Operation	Temp.	Vac.	SCFM
Flare #1			
Flare #2			
Flare #3			

LFG at Inlets	6A NE	Vista	F9 / B9
Vacuum			
SCFM			

Back Up Generator Running  yes /  no

Control Room Bypass  yes /  no

The facility's program logic controller automatically reacted diligently and expeditiously to shut down the flare station, closed the shutdown valve as programmed isolating all LFG in the piping system to avoid excess emissions, and notified the staff.  yes / no

The program logic controller or staff restarted the flare station and / or back-up generator in a diligent and expeditious manner to avoid excess emissions.  yes / no

Comments and/or Description of Malfunction and Affected Equipment:

Emission Exceedence:  yes\* /  no

SSM Plan Procedures Followed:  yes /  no\*

If SSM Plan Procedure not followed, explain procedure used:

\* If Emission Exceedence or SSM Procedures are not followed it must be reported to EPA/BAAQMD within 24 hours per SSM plan. (Report to EEC immediately and complete departure report)

Are any comments, descriptions, other information, etc. continued on the back side?  yes /  no

SSM PLAN REPORT FORM /  
FLARE STATION DAILY CHECKLIST  
City of Mountain View Flare Station

Date April 10<sup>th</sup> 2023  
s m t w t h f s

AM MONITORING

PM MONITORING

Name Jason R. Bean  
Arrival Time 6:15 PM Departure Time 6:35 AM  
GEM EMISSION #2 Manometer  yes  no

Name \_\_\_\_\_  
Arrival Time \_\_\_\_\_ Departure Time \_\_\_\_\_  
GEM# \_\_\_\_\_ Manometer yes / no

LFG to Flares

CH4 %	CO2 %	O2 %
49.0	31.2	3.2

LFG to Flares

CH4 %	CO2 %	O2 %

Flare Operation	Temp.	Vac.	SCFM
Flare #1	1615	7.12"	192
Flare #2			
Flare #3			

Flare Operation	Temp.	Vac.	SCFM
Flare #1			
Flare #2			
Flare #3			

Blower Oper.	RPM	Hours
Blower #1		
Blower #2		
Blower #3	2100	312707

LFG at Inlets	6A NE	Vista	F9 / B9
Vacuum			
SCFM			

Air Compressor Hours: 11518.6  
Google SCFM: am: 14 pm: \_\_\_\_\_

Back Up Generator Running yes /  no  
Control Room Bypass yes /  no  
The facility's program logic controller  yes / no

LFG at Inlets	6A NE	Vista	F9 / B9
CH4 %	17.3	55.1	51.5
CO2 %	10.0	34.5	33.5
O2 %	14.8	0.8	2.3
Vacuum	-36.1"	-36.5"	-36.2"
SCFM	12	111	118
Temperature	55	59	55

The facility's program logic controller automatically reacted diligently and expeditiously to shut down the flare station, closed the shutdown valve as programmed isolating all LFG in the piping system to avoid excess emissions, and notified the staff.  
The program logic controller or staff restarted the flare station and / or back-up generator in a diligent and expeditious manner to avoid excess emissions.  yes / no

Comments and/or Description of Malfunction and Affected Equipment: \_\_\_\_\_

Time of Shutdown: 7:21 AM  
Time of Start-Up: 9:36 AM  
Duration of Shutdown/Malfunction: 2 hrs 35 min

- Reason for Shutdown/Malfunction: \_\_\_\_\_
- Air-Compressor System
  - Blower
  - High Gas Flow
  - High Temperature
  - LEL
  - Low Gas Flow
  - Low Temperature
  - UV Scanner System
  - Power Failure
  - Scheduled Preventive Maintenance

Emission Exceedence: yes\* /  no  
SSM Plan Procedures Followed:  yes  no\*  
If SSM Plan Procedure not followed, explain procedure used: \_\_\_\_\_

Cleaned Purple peepers and repaired scmp.

\* If Emission Exceedence or SSM Procedures are not followed it must be reported to EPA/BAAQMD within 24 hours per SSM plan. (Report to EEC immediately and complete departure report)

Signature Jason R. Bean Date 4/10/23

Are any comments, descriptions, other information, etc. continued on the back side? yes /  no

SSM PLAN REPORT FORM /  
 FLARE STATION DAILY CHECKLIST  
 City of Mountain View Flare Station

Date May 13<sup>th</sup>, 2023  
 s n t w th f s

AM MONITORING

PM MONITORING

Name Jason R Bean  
 Arrival Time 3:17pm Departure Time \_\_\_\_\_  
 GEM# \_\_\_\_\_ Manometer yes no

Name \_\_\_\_\_  
 Arrival Time \_\_\_\_\_ Departure Time \_\_\_\_\_  
 GEM# \_\_\_\_\_ Manometer yes / no

LFG to Flares

CH4 %	CO2 %	O2 %

LFG to Flares

CH4 %	CO2 %	O2 %

Flare Operation	Temp.	Vac.	SCFM
Flare #1			
Flare #2			
Flare #3			

Flare Operation	Temp.	Vac.	SCFM
Flare #1			
Flare #2			
Flare #3			

Blower Oper.	RPM	Hours
Blower #1		
Blower #2		
Blower #3		

LFG at Inlets	6A NE	Vista	F9 / B9
Vacuum			
SCFM			

Air Compressor Hours: \_\_\_\_\_  
 Google SCFM: am: \_\_\_\_\_ pm: \_\_\_\_\_

Back Up Generator Running yes /  no

Control Room Bypass yes /  no

LFG at Inlets	6A NE	Vista	F9 / B9
CH4 %			
CO2 %			
O2 %			
Vacuum			
SCFM			
Temperature			

The facility's program logic controller automatically reacted diligently and expeditiously to shut down the flare station, closed the shutdown valve as programmed, isolating all LFG in the piping system to avoid excess emissions, and notified the staff.

The program logic controller or staff restarted the flare station and / or back-up generator in a diligent and expeditious manner to avoid excess emissions.

Comments and/or Description of Malfunction and Affected Equipment: \_\_\_\_\_

Time of Shutdown: 2:18 pm  
 Time of Start-Up: 3:29 pm  
 Duration of Shutdown/Malfunction: 1hr 11min

- Reason for Shutdown/Malfunction: \_\_\_\_\_
- Air-Compressor System
  - Blower
  - High Gas Flow
  - High Temperature
  - LEL
  - Low Gas Flow
  - Low Temperature
  - UV Scanner System
  - Power Failure
  - Scheduled Preventive Maintenance

Emission Exceedence: yes\* /  no

SSM Plan Procedures Followed:  yes /  no\*

If SSM Plan Procedure not followed, explain procedure used: \_\_\_\_\_

\* If Emission Exceedence or SSM Procedures are not followed it must be reported to EPA/BAAQMD within 24 hours per SSM plan. (Report to EEC immediately and complete departure report)

Signature Jason R Bean Date 5/13/23

Are any comments, descriptions, other information, etc. continued on the back side? yes /  no



SSM PLAN REPORT FORM /  
 FLARE STATION DAILY CHECKLIST  
 City of Mountain View Flare Station

Date 6-4-23  
 (S) m t w th f s

AM MONITORING

PM MONITORING

Name LEON ROSALES

Name \_\_\_\_\_

Arrival Time \_\_\_\_\_ Departure Time \_\_\_\_\_

Arrival Time \_\_\_\_\_ Departure Time \_\_\_\_\_

GEM# \_\_\_\_\_ Manometer yes no

GEM# \_\_\_\_\_ Manometer yes / no

LFG to Flares

CH4 %	CO2 %	O2 %

LFG to Flares

CH4 %	CO2 %	O2 %

Flare Operation	Temp.	Vac.	SCFM
Flare #1			
Flare #2			
Flare #3			

Flare Operation	Temp.	Vac.	SCFM
Flare #1			
Flare #2			
Flare #3			

Blower Oper.	RPM	Hours
Blower #1		
Blower #2		
Blower #3		

LFG at Inlets	6A NE	Vista	F9 / B9
Vacuum			
SCFM			

Air Compressor Hours: \_\_\_\_\_

Back Up Generator Running yes / no

Google SCFM: am: \_\_\_\_\_ pm: \_\_\_\_\_

Control Room Bypass yes / no

LFG at Inlets	6A NE	Vista	F9 / B9
CH4 %			
CO2 %			
O2 %			
Vacuum			
SCFM			
Temperature			

The facility's program logic controller automatically reacted diligently and expeditiously to shut down the flare station, closed the shutdown valve as programmed isolating all LFG in the piping system to avoid excess emissions, and notified the staff. yes / no

The program logic controller or staff restarted the flare station and / or back-up generator in a diligent and expeditious manner to avoid excess emissions. yes / no

Comments and/or Description of Malfunction and Affected Equipment: \_\_\_\_\_

Time of Shutdown: 7:10pm  
 Time of Start-Up: 7:19pm  
 Duration of Shutdown/Malfunction: 9min

- Reason for Shutdown/Malfunction:
- Air-Compressor System
  - Blower
  - High Gas Flow
  - High Temperature
  - LEL
  - Low Gas Flow
  - Low Temperature
  - UV Scanner System
  - Power Failure
  - Scheduled Preventive Maintenance

Emission Exceedence: yes\* / no

SSM Plan Procedures Followed: yes no\*

If SSM Plan Procedure not followed, explain procedure used: \_\_\_\_\_

\* If Emission Exceedence or SSM Procedures are not followed it must be reported to EPA/BAAQMD within 24 hours per SSM plan. (Report to EEC immediately and complete departure report)

Are any comments, descriptions, other information, etc. continued on the back side? yes / no

[Signature] 6/4/23  
 Signature Date

SSM PLAN REPORT FORM /  
FLARE STATION DAILY CHECKLIST  
City of Mountain View Flare Station

Date JUNE 13<sup>th</sup>, 2023  
s m t w t h f s

AM MONITORING

PM MONITORING

Name JASON R. BEAN  
Arrival Time 7:22 AM Departure Time 7:44 PM  
GEM# EMISSION #2 Manometer  yes / no

Name \_\_\_\_\_  
Arrival Time \_\_\_\_\_ Departure Time \_\_\_\_\_  
GEM# \_\_\_\_\_ Manometer \_\_\_\_\_ yes / no

LFG to Flares

CH4 %	CO2 %	O2 %
49.8	33.0	2.1

LFG to Flares

CH4 %	CO2 %	O2 %

Flare Operation	Temp.	Vac.	SCFM
Flare #1	1615	1.96"	86
Flare #2	/	/	/
Flare #3	1619	1.61"	302

Flare Operation	Temp.	Vac.	SCFM
Flare #1			
Flare #2			
Flare #3			

Blower Oper.	RPM	Hours
Blower #1	/	/
Blower #2	2200	16507.4
Blower #3	/	/

LFG at Inlets	6A NE	Vista	F9 / B9
Vacuum			
SCFM			

Air Compressor Hours: 11961.5  
Google SCFM: am: 6 pm: \_\_\_\_\_

Back Up Generator Running  yes /  no  
Control Room Bypass  yes /  no

LFG at Inlets	6A NE	Vista	F9 / B9
CH4 %	49.2	55.1	39.8
CO2 %	33.4	34.8	27.9
O2 %	2.3	0.7	4.8
Vacuum	-45.3"	-44.5"	-45.2"
SCFM	181	164	88
Temperature	71	71	68

The facility's program logic controller automatically reacted diligently and expeditiously to shut down the flare station, closed the shutdown valve as programmed isolating all LFG in the piping system to avoid excess emissions, and notified the staff.  yes /  no

The program logic controller or staff restarted the flare station and / or back-up generator in a diligent and expeditious manner to avoid excess emissions.  yes /  no

Comments and/or Description of Malfunction and Affected Equipment: \_\_\_\_\_

Time of Shutdown: 7:23 AM  
Time of Start-Up: 7:35 AM  
Duration of Shutdown/Malfunction: 12 min

Reason for Shutdown/Malfunction:  
 Air-Compressor System  Blower  High Gas Flow  
 High Temperature  LEL  Low Gas Flow  
 Low Temperature  UV Scanner System  
 Power Failure  Scheduled Preventive Maintenance

Emission Exceedence:  yes\* /  no  
SSM Plan Procedures Followed:  yes /  no\*

If SSM Plan Procedure not followed, explain procedure used: \_\_\_\_\_

Change from Blower #3 to Blower #2

\* If Emission Exceedence or SSM Procedures are not followed it must be reported to EPA/BAAQMD within 24 hours per SSM plan. (Report to EEC immediately and complete departure report)

Signature JASON R. BEAN Date 6/13/23

Are any comments, descriptions, other information, etc. continued on the back side?  yes /  no

SSM PLAN REPORT FORM /  
FLARE STATION DAILY CHECKLIST  
City of Mountain View Flare Station

Date June 14<sup>th</sup>, 2023  
s m t w th f s

AM MONITORING

Name Jason R. Bean  
Arrival Time 6:26am Departure Time 6:50am  
GEM# Envision #2 Manometer  yes  no

PM MONITORING

Name \_\_\_\_\_  
Arrival Time \_\_\_\_\_ Departure Time \_\_\_\_\_  
GEM# \_\_\_\_\_ Manometer  yes  no

LFG to Flares

CH4 %	CO2 %	O2 %
51.4	33.5	1.6

LFG to Flares

CH4 %	CO2 %	O2 %

Flare Operation	Temp.	Vac.	SCFM
Flare #1	1628	1.44"	85
Flare #2	/	/	/
Flare #3	1628	1.11"	297

Flare Operation	Temp.	Vac.	SCFM
Flare #1			
Flare #2			
Flare #3			

Blower Oper.	RPM	Hours
Blower #1	/	/
Blower #2	2200	655074
Blower #3	/	/

LFG at Inlets	6A NE	Vista	F9 / B9
Vacuum			
SCFM			

Air Compressor Hours: 11968.3  
Google SCFM: am: 14 pm: \_\_\_\_\_

Back Up Generator Running  yes  no

Control Room Bypass  yes  no

LFG at Inlets	6A NE	Vista	F9 / B9
CH4 %	50.7	55.8	42.3
CO2 %	34.1	35.3	29.0
O2 %	1.8	0.4	4.2
Vacuum	-44.5"	-43.9"	-44.6"
SCFM	180	141	86
Temperature	71	71	69

The facility's program logic controller automatically reacted diligently and expeditiously to shut down the flare station, closed the shutdown valve as programmed, isolating all LFG in the piping system to avoid excess emissions, and notified the staff.  yes  no

The program logic controller or staff restarted the flare station and / or back-up generator in a diligent and expeditious manner to avoid excess emissions.  yes  no

Comments and/or Description of Malfunction and Affected Equipment: \_\_\_\_\_

Time of Shutdown: 7:16am 10:59am  
Time of Start-Up: 10:37am 11:30am  
Duration of Shutdown/Malfunction: 3hr 21min 31min

Reason for Shutdown/Malfunction:  
 Air-Compressor System  Blower  High Gas Flow  
 High Temperature  LEL  Low Gas Flow  
 Low Temperature  UV Scanner System  
 Power Failure  Scheduled Preventive Maintenance

Emission Exceedence:  yes\*  no

SSM Plan Procedures Followed:  yes  no\*

If SSM Plan Procedure not followed, explain procedure used: \_\_\_\_\_

Telstar has to calibrate Flare Flow Meters.

\* If Emission Exceedence or SSM Procedures are not followed it must be reported to EPA/BAAQMD within 24 hours per SSM plan. (Report to EEC immediately and complete departure report)

Signature Jason R. Bean Date 6/14/23

Are any comments, descriptions, other information, etc. continued on the back side?  yes  no

**CITY OF MOUNTAIN VIEW  
 SHORELINE LANDFILL, FACILITY ID A2740  
 LANDFILL GAS COLLECTION SYSTEM SHUTDOWN SUMMARY  
 January 1 - June 30, 2023**

Well ID	Reasons for Shutdown *	Date: Time		Shutdown Duration Hours: Minutes
		Shutdown	Start-up	
TPD-10	Separation in header at tee	4/10/23 2:00 PM	4/11/23 10:00 AM	20:00
N/A	Replace old PVC header section with new HDPE	4/25/23 2:00 PM	4/26/23 12:00 PM	22:00
N/A	Install new 6" sump	5/23/23 7:00 AM	5/23/23 8:00 AM	1:00
N/A	Repair separation in sump	6/6/23 8:00 AM	6/6/23 11:00 AM	3:00

\* SSM plan report forms are attached for shutdown and startup events.

\* Flare station shutdowns are included in section III – Emission control system shutdown

# SSM PLAN FORM / LANDFILL GAS REPAIR CITY OF MOUNTAIN VIEW

## RESPONSE TO LANDFILL GAS COLLECTION AND EMISSIONS CONTROL SYSTEM LEAK?

NO  YES

**ENGR. & ENVIRONMENTAL  
COMPLIANCE DIVISION**

If Yes, Concentration Above Background (ppmv) \_\_\_\_\_

(If form completed in response to landfill gas collection and emissions control system leak,  
repair must be completed within 7 calendar days)

APR 11 2023

**DATE:** Identified 3/28/23  
Shutdown/Malfunction 4/10/23  
Startup 4/11/23  
Shutdown/Malfunction NA

**TIME:** 7:00 am / pm  
2:00 am / pm  
10:00 am / pm  
\_\_\_\_\_ am / pm

CITY OF MOUNTAIN VIEW

**LOCATION:** Well # TPD-10  
Grid # EG-70  
Sump # NA

**SITE:** \_\_\_\_\_ Back Nine  
\_\_\_\_\_ Vista  
\_\_\_\_\_ Northshore  
 Crittenden  
\_\_\_\_\_ Cell 6A NE  
\_\_\_\_\_ Front Nine  
\_\_\_\_\_ Control Device

**AFFECTED EQUIPMENT**

**HEADER**

Gas Line  
 Air Line  
 Condensate Line  
 Valve Assembly

**LATERAL**

\_\_\_\_\_ Gas Line  
\_\_\_\_\_ Air Line  
\_\_\_\_\_ Condensate Line  
\_\_\_\_\_ Valve Assembly

\_\_\_\_\_ Casing  
\_\_\_\_\_ Pump

**SUMP/DRAIN**

\_\_\_\_\_ Pump

**DESCRIPTION/ PROCEDURE FOR THE REPAIR:** Remove old TCE and Valve assembly and replace with new TCE, Valve assembly and Fusion couplings

Cause/Reason for Shutdown/Malfunction: \_\_\_\_\_

Separation in header at TCE

SSM Plan Procedures Followed:  yes  no

Explain procedure used, if SSM Plan Procedure not followed: \_\_\_\_\_

If Emission Exceedence and SSM Procedures are not followed it must be reported to EPA/BAAQMD within 48 hours per SSM plan  
**(Report to EEC immediately and complete departure report)**

[Signature]  
Signature 4/17/23  
Date

# SSM PLAN FORM / LANDFILL GAS REPAIR CITY OF MOUNTAIN VIEW

## RESPONSE TO LANDFILL GAS COLLECTION AND EMISSIONS CONTROL SYSTEM LEAK?

NO  YES

If Yes, Concentration Above Background (ppmv) \_\_\_\_\_

(If form completed in response to landfill gas collection and emissions control system leak, repair must be completed within 7 calendar days)

**DATE:** Identified 4/10/2023 **TIME:** 8:00 am / pm  
 Shutdown/Malfunction 4/25/2023 2:00 am / pm  
 Startup 4/26/2023 12:00 am / pm  
 Shutdown/Malfunction NA NA am / pm

**LOCATION:** Well # NA **SITE:** \_\_\_\_\_ Back Nine  
 Grid # EG-71 \_\_\_\_\_ Vista  
 Sump # LRS-06A \_\_\_\_\_ Northshore  
 \_\_\_\_\_  Crittenden  
 \_\_\_\_\_  Cell 6A NE  
 \_\_\_\_\_ Front Nine  
 \_\_\_\_\_ Control Device

**AFFECTED EQUIPMENT**

<u>HEADER</u>	<u>LATERAL</u>	<u>SUMP/DRAIN</u>
<input checked="" type="checkbox"/> Gas Line	_____ Gas Line	_____ Casing
_____ Air Line	_____ Air Line	_____ Pump
_____ Condensate Line	_____ Condensate Line	<input checked="" type="checkbox"/> Pump
<input checked="" type="checkbox"/> Valve Assembly	_____ Valve Assembly	

**DESCRIPTION/ PROCEDURE FOR THE REPAIR:** Excavate old PVC header. Contractor (Core + Main) to fabricate new HDPE header. City staff to install, backfill and compact.

Cause/Reason for Shutdown/Malfunction: \_\_\_\_\_  
Replace old PVC header section with new HDPE pipe.  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

SSM Plan Procedures Followed:  yes  no  
 Explain procedure used, if SSM Plan Procedure not followed:  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

  
**Signature**

4/27/23  
**Date**

If Emission Exceedence and SSM Procedures are not followed it must be reported to EPA/BAAQMD within 48 hours per SSM plan  
**(Report to EEC immediately and complete departure report)**

# SSM PLAN FORM / LANDFILL GAS REPAIR CITY OF MOUNTAIN VIEW

**RESPONSE TO LANDFILL GAS COLLECTION AND EMISSIONS CONTROL SYSTEM LEAK?**

**NO**       **YES**

ENGR. & ENVIRONMENTAL  
COMPLIANCE DIVISION

**If Yes, Concentration Above Background (ppmv)** \_\_\_\_\_

(If form completed in response to landfill gas collection and emissions control system leak, repair must be completed within 7 calendar days)

MAY 22 2023

**DATE:** Identified 4/28/23 **TIME:** 9:00 am / pm  
Shutdown/Malfunction 5/23/23 7:00 am / pm  
 Startup 5/23/23 8:00 am / pm  
 Shutdown/Malfunction NA NA am / pm

**LOCATION:** Well # NA **SITE:** \_\_\_\_\_ Back Nine  
 Grid # P-56 \_\_\_\_\_ Vista  
 Sump # NA \_\_\_\_\_ Northshore  
 \_\_\_\_\_ Crittenden  
 \_\_\_\_\_ Cell 6A NE  
 Front Nine  
 \_\_\_\_\_ Control Device

**AFFECTED EQUIPMENT**

<b>HEADER</b>	<b>LATERAL</b>	
<input checked="" type="checkbox"/> Gas Line	_____ Gas Line	_____ Casing
<input checked="" type="checkbox"/> Air Line	_____ Air Line	_____ Pump
<input checked="" type="checkbox"/> Condensate Line	_____ Condensate Line	<b>SUMP/DRAIN</b>
_____ Valve Assembly	_____ Valve Assembly	_____ Pump

**DESCRIPTION/ PROCEDURE FOR THE REPAIR:** Install new 6" sump, connect new air / condensate lines, Back Fill, compact and set boxes to grade

Cause/Reason for Shutdown/Malfunction: Header Settlement      SSM Plan Procedures Followed:  yes     no

Explain procedure used, if SSM Plan Procedure not followed: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

James R. Bean  
Signature      5/23/23  
Date

If Emission Exceedence and SSM Procedures are not followed it must be reported to EPA/BAAQMD within 48 hours per SSM plan  
**(Report to EEC immediately and complete departure report)**

## SSM PLAN FORM / LANDFILL GAS REPAIR CITY OF MOUNTAIN VIEW

### RESPONSE TO LANDFILL GAS COLLECTION AND EMISSIONS CONTROL SYSTEM LEAK?

NO  YES

If Yes, Concentration Above Background (ppmv) \_\_\_\_\_

(If form completed in response to landfill gas collection and emissions control system leak, repair must be completed within 7 calendar days)

**DATE:** Identified 3/1/2023 **TIME:** 9:00 am / pm  
~~Shutdown~~/Malfunction 6/6/2023 8:00 am / pm  
 Startup 6/6/2023 11:00 am / pm  
 Shutdown/Malfunction NA NA am / pm

**LOCATION:** Well # NA **SITE:** \_\_\_\_\_ Back Nine  
 Grid # NA \_\_\_\_\_ Vista  
 Sump # ES-01 \_\_\_\_\_ Northshore  
 \_\_\_\_\_ Crittenden  
 \_\_\_\_\_ Cell 6A NE  
 Front Nine  
 \_\_\_\_\_ Control Device

**AFFECTED EQUIPMENT**

<b>HEADER</b>	<b>LATERAL</b>	
<input checked="" type="checkbox"/> Gas Line	_____ Gas Line	<input checked="" type="checkbox"/> Casing
_____ Air Line	<input checked="" type="checkbox"/> Air Line	<input checked="" type="checkbox"/> Pump
_____ Condensate Line	<input checked="" type="checkbox"/> Condensate Line	<b>SUMP/DRAIN</b>
_____ Valve Assembly	_____ Valve Assembly	<input checked="" type="checkbox"/> Pump

**DESCRIPTION/ PROCEDURE FOR THE REPAIR:** Excavate to header and remove old offset sump. Install new inline sump. Backfill, compact and set boxes to grade. Install new pump and fittings.

Cause/Reason for ~~Shutdown~~/Malfunction: \_\_\_\_\_ SSM Plan Procedures Followed:  yes  no  
Repair separation in sump.  
existing sump is offset. will  
be installing a new inline  
sump.  
 Explain procedure used, if SSM Plan Procedure not followed:  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

  
 Signature \_\_\_\_\_ Date 6/6/23

If Emission Exceedence and SSM Procedures are not followed it must be reported to EPA/BAAQMD within 48 hours per SSM plan  
**(Report to EEC immediately and complete departure report)**



BAAQMD RULE 8-34 REPORT

2023 – FIRST INCREMENT

CITY OF MOUNTAIN VIEW  
SHORELINE LANDFILL  
MOUNTAIN VIEW, CALIFORNIA  
(FACILITY NO. A2740)

# SECTION I

## SOURCE PERFORMANCE TEST REPORT

**BAY AREA AIR QUALITY MANAGEMENT DISTRICT**

375 Beale Street, Suite 600  
San Francisco, California 94105  
(415) 771-6000

**Contractor Source Test Supplemental Form**

---

Site name: City of Mountain View, Shoreline Landfill (Facility No. A2740)  
NST number: NST-8071(A6), 8072(A7), 8073(A8), 8074(S16), 8075(S17)  
Testing company: Best Environmental

Test purpose:

- Routine compliance testing
  - Compliance test required after previous source test failure
  - Start-up test
  - Other, ex: trial testing for permit changes, engineering studies  
Please explain \_\_\_\_\_
  - Revised report with corrections noted  
Revision number \_\_\_\_\_
- 

Preliminary test results:

- In compliance
- Not in compliance
- N/A  
Please explain \_\_\_\_\_

# **Source Test Report**

**CITY OF MOUNTAIN VIEW @ SHORELINE LANDFILL**

**Mountain View, CA**

**Plant #2740**

**NST 8071 through 8075**

**Three Landfill Gas Fired Flares  
NO<sub>x</sub>, CO, CH<sub>4</sub> & NMOC Emission Results  
[Condition #16065, A-6, A-7, & A-8]**

**Two Landfill Gas Fired Microturbines  
CH<sub>4</sub> & NMOC Emission Results  
[Condition #24989, S-16 & S-17]**

Test Dates: January 24 & 25, 2023

Report Date: March 8, 2023

**Performed and Reported by:**

**BEST ENVIRONMENTAL**

339 Stealth Court

Livermore, CA 94551

Phone: (925) 455-9474

Fax: (925) 455-9479

Email: [bestair@best-enviro.com](mailto:bestair@best-enviro.com)

**Prepared For:**

City of Mountain View

Public Works Department-Public Services Division

231 North Whisman Road

Mountain View, CA 94043

Attn: Ankit Sharma

**For Submittal To:**

Bay Area Air Quality Management District

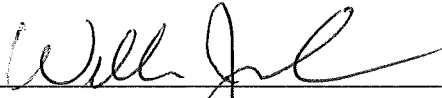
375 Beale Street, Suite 600

San Francisco, CA 94105

REVIEW AND CERTIFICATION

Team Leader:

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

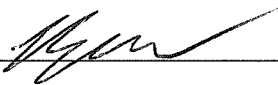


---

William Johnston  
Project Manager

Reviewer:

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



---

Bobby Asfour  
Principal/QSTI

## Source Test Information

Facility Name: City of Mountain View  
Public Works Department-Public Services Division  
231 North Whisman Road  
Mountain View, CA 94043  
Attn: Ankit Sharma

Source Location: Shoreline Landfill  
2600 Shoreline Boulevard  
Mountain View, CA 94043

Sources: Three Flares (A-6, 7 & 8) & Two Microturbines (S-16 & 17)

Purpose of Test: Compliance with 16065 (Flares) and 24989 (Microturbines)

### Test Parameters & Limits:

#### Flares-Condition 16065

NOx: 15 ppm @ 15% O<sub>2</sub>,  
CO: 83 ppm @ 15% O<sub>2</sub>,  
NMOC: 30 ppm @ 3% O<sub>2</sub> as Methane or 98% DRE  
CH<sub>4</sub>: ≥ 99% DRE  
SO<sub>2</sub>: LFG H<sub>2</sub>S 150 ppmv

#### Microturbines-Condition 24989

NMOC: 120 ppm @ 3% O<sub>2</sub> as Methane or 98% DRE  
CH<sub>4</sub>: ≥ 99% DRE

Regulatory Agency: Bay Area Air Quality Management District  
375 Beale Street, Suite 600  
San Francisco, CA 94105-2066

Test Company: BEST ENVIRONMENTAL  
339 Stealth Court  
Livermore, CA 94551

Test Contact: Bobby Asfour

Test Dates: January 24 & 25, 2023

NST Number: 8071 Flare A6 (Flare 1)  
8072 Flare A7, (Flare 2)  
8073 Flare A8, (Flare 3)  
8074 Microturbine S16  
8075 Microturbine S17

Analytical Laboratory: BEST ENVIRONMENTAL  
339 Stealth Court  
Livermore, CA 94551  
  
Atmospheric Analysis & Consultants  
1534 Eastman Avenue, Ste. A  
Ventura, CA 93003  
Phone: (805) 650-1642

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**SECTION 1. INTRODUCTION**

**1.1. Test Purpose**

Best Environmental (BE) was contracted by the City of Mountain View, Public Works Department to perform emissions testing and reporting of three landfill gas fired flares and two micro-turbines to comply with Bay Area Air Quality Management District (BAAQMD) Regulation # 8-34-301.3, 8-34-412, 8-34-301.4, 8-34-509 and conditions 16065 & 24989 of the Title V Permit. A copy of the Permit conditions is included in Appendix I.

**1.2. Test Location**

The testing was conducted on the three flares and two Micro-Turbines located at the City of Mountain View @ Shoreline Landfill, 2600 Shoreline Boulevard, Mountain View, CA 94043. (Facility #A2740).

**1.3. Test Dates**

Testing was conducted on January 24 & 25, 2023.

**1.4. Test Methods and Parameters**

The following emission parameters were measured:

**Flare Test Program**

<b>Parameter</b>	<b>Monitoring &amp; Analytical Protocols</b>
Outlet NO <sub>x</sub> , CO & O <sub>2</sub>	EPA Methods 7E, 10 & 3A
Outlet THC, CH <sub>4</sub> , NMOC	EPA Method 25A
DSCFM	EPA Method 19
Inlet CH <sub>4</sub> , NMOC & THC	EPA Methods M25C & 18
O <sub>2</sub> , CO <sub>2</sub> , N <sub>2</sub> , CH <sub>4</sub> , C1-C6+ & Btu/CF & F Factor (Higher Heat Values, HHV)	ASTM D-1945 & 3588
LFG organics & TRS	EPA TO-15, 25C & ASTM D-6228

**Microturbine Test Program**

<b>Parameter</b>	<b>Monitoring &amp; Analytical Protocols</b>
Outlet CH <sub>4</sub> , NMOC, THC	EPA Methods 25A & 18
Outlet O <sub>2</sub> , NO <sub>x</sub> & CO	EPA Methods 7E, 10 & 3A
Inlet CH <sub>4</sub> , NMOC & THC	EPA Methods 18
DSCFM	EPA Method 19
Fuel Higher heating Values (HHV), Btu/CF & F Factor	ASTM D-1945 & 3588

**1.5. Sampling and Observing Personnel**

Sampling was performed by Bobby Asfour and William Johnston of BE. The BAAQMD was notified of the test date and a copy of the source test notification is enclosed in Appendix H.



## SECTION 2. SUMMARY OF RESULTS

## 2.1. Emission Results

Tables 2.1 and 2.2 presents the average test results for the Flare and Microturbine. Triplicate landfill gas samples were collected and analyzed for landfill gas characterization for each flare tested. A more extensive summary of the emissions is presented in Tables 1-5 on pages 11-15. The Landfill Gas Characterization analytical results can be found in Table 2.3 below. Only those detected compounds are reported. The complete lab results are in Appendix B.

Per the direction of BAAQMD, sample containers were selected to avoid surface reactions with the samples. LFG samples for TO-15 and EPA Method 25C were collected into stainless steel summa canisters per the method guidance. LFG samples were collected into tedlar bags for HHV, Method 18 and sulfur analysis. All outlet samples were collected into tedlar bags.

**Table 2.1**  
**Flare Emission Results**

Parameter	Flare #1 (A-6)	Flare #2 (A-7)	Flare #3 (A-8)	Limits
NOx, ppm @ 15% O <sub>2</sub>	11.38	12.87	11.92	15
CO, ppm @ 15% O <sub>2</sub>	<0.7	<0.7	<0.7	83
NMOC, ppm @ 3% O <sub>2</sub> as methane	<2.0	<2.0	3.74	30
CH <sub>4</sub> , % DRE	99	99	99	99
SO <sub>2</sub> (H <sub>2</sub> S, ppm in LFG)	28.70	29.17	30.85	150

**Table 2.2**  
**Microturbine Emission Results**

Parameter	Flare Microturbine (S-16)	SPS Microturbine (S-17)	Limits
NOx, lbs/MW-hr	0.100	0.125	0.5
CO, lbs/MW-hr	1.98	3.39	6.0
NMOC, ppm @ 3% O <sub>2</sub> as methane	4.74	19.19	120
CH <sub>4</sub> , % DRE	99	99	99

**Table 2.3**  
**Landfill Gas Characterization**  
**Detected Compounds**

Parameter	Flare 1	Flare 2	Flare 3
Total non-methane hydrocarbons, ppm			
Chlorodifluoromethane, ppb	150	148	159
Propene, ppb	1690	1670	1850
Dichlorodifluoromethane, (Freon 12) ppb	138	133	130
Dichlotetrafluoroethane, ppb	65.2	59.9	65.0
Vinyl Chloride, ppb	256	230	306
Methanol, ppb	273	ND	ND
Acetone, ppb	748	729	777
2-Propanol, ppb (IPA)	82.5	74.4	77.9
2-Butanone (Methyl Ethyl Ketone), ppb	555	500	543
cis 1,2 Dichloroethene, ppb	86.1	78.5	101
Hexane, ppb	260	2662	319
Tetrahydrofuran, ppb	212	205	210
Benzene, ppb	351	349	409
Cyclohexane, ppb	58.7	62.9	87.7
Trichloroethene (TCE)	30.6	36.9	54.2
2,2,4-Trimethylpentane, ppb	21.2	24.7	39.6
Heptane, ppb	260	312	522
4-Methyl-2 pentanone (MiBK), ppb	64.9	64.9	70.5
Toluene, ppb	1490	1740	2520
Tetrachloroethene (PCE), ppb	20.2	27.4	50.5
Chlorobenzene, ppb	287	382	625
Ethyl Benzene, ppb	1870	2060	2610
m & p Xylene, ppb	3020	3430	4490
o Xylene, ppb	1180	13201	1750
4-Ethyltoluene, ppb	780	822	779
Styrene, ,ppb	44.3	49.0	63.3
1,3,5-Tyrimethylbenzene, ppb	347	374	462
1,4-Dichlorobenzene, ppb	455	497	653

**Table 2.4  
Landfill Gas Analysis-Summary**

<b>Parameter</b>	<b>Flare #1 (A-6)</b>	<b>Flare #2 (A-7)</b>	<b>Flare #3 (A-8)</b>	<b>Flare Microturbine (S-16)</b>	<b>SPS Microturbine (S-17)</b>
Heat Input, MMBtu/hr	3.13	6.03	10.44	1.09	1.15
Oxygen, %	3.60	3.66	3.27	3.79	3.76
Nitrogen, %	22.50	25.29	20.85	23.26	23.19
Carbon Dioxide, %	28.12	27.985	28.81	27.92	28.01
Methane, %	46.48	42.67	48.09	453.90	45.48/
NMOC, ppmvd	623	693	831	42.63	37.77
HHV, BTU/ft <sup>3</sup>	470	472	486	464	460
HHV, F-factor DSCF/MMBtu @ 70°F	9,331	9,346	9,315	9,358	9,408

### 2.2. Allowable Emissions

See Tables 2.1 & 2.2 above. The test results show that all equipment are operating within the PTO gaseous (SO<sub>2</sub>, NO<sub>x</sub>, CO & NMOC) emission limits and are therefore in compliance. NMOC compliance was demonstrated using the NMOC concentration corrected to 3% oxygen limit for all sources. The complete landfill gas characterization can be found in Tables 2.3 & 2.4 above and in Appendix B. SO<sub>2</sub> compliance is demonstrated by using the alternate criterion based on the H<sub>2</sub>S concentration in the LFG.

### 2.3. Process Data

Tables 2.5 through 2.6 present the average operating data for each flare and microturbine. Data were recorded and provided by the facility.

**Table 2.5  
Average Result  
Flares**

<b>Flare</b>	<b>Fuel Flow Meter, SCFM</b>	<b>Flare Temp., °F</b>
A-6	111	1,626
A-7	213	1,626
A-8	358	1,624

**Table 2.6**  
**Average Results**  
**Microturbines**

<b>Parameter</b>	<b>Fuel Flow, SCFM</b>	<b>Load, kW</b>
SPS, S-16	41.20	63
Flare, S-17	39.48	61

#### **2.4. Comments: Discussion of Quality Assurance and Errors**

Quality assurance procedures listed in the above referenced test methods and referenced in the Source Test Plan were performed and documented. The QA/QC procedures are described in Section 4.4 of the report. Documentation of the QA/QC is provided in Appendix A, B & D.

NMOC is assumed equal to total non-methane non-ethane hydrocarbons. Triplicate inlet samples of landfill gas were analyzed for O<sub>2</sub>, CO<sub>2</sub>, N<sub>2</sub>, CH<sub>4</sub>, C1-C6+ & HHV for each test series. A single sample of the LFG was collected during each flare test for landfill gas characterization. NMOC of the LFG was sampled for the flares according to EPA M25C and the Microturbines by EPA Method 18.

Fuel flowmeter calibration records are located in Appendix J.

**SECTION 3. SOURCE OPERATION****3.1. Process Description**

The landfill gas fired flares are control devices for the treatment of landfill gas (composed primarily of methane, carbon dioxide and nitrogen) that is generated from the decomposition of waste. The gas is collected via three headers that lead to several landfill gas extraction wells that draw a vacuum on the vapors in the landfill. These headers combine into a common pipe that serves all three flares.

The landfill gas fired Micro-Turbines are optional control devices for the treatment of landfill gas (mainly methane, carbon dioxide and nitrogen) that is generated from the decomposition of waste. The gas is collected in a network of interconnected pipes from several vertical extraction wells that draw a vacuum on the vapors in the landfill. The vapors are treated to remove condensate, particulate material, siloxanes and heavy hydrocarbons, and then they are incinerated in the combustion chamber of the Micro-Turbines. The Micro-Turbines are rated at 65kW.

**3.2. Stack Diagram**

Digital photos/diagrams of the stacks are contained in Appendix F.

**3.3. Normal Operating Parameters**

The flares were operated normally during the test periods, one or two flares at a time. The Micro-turbines were operated normally during the test periods. Process data was provided by the facility and used for compliance demonstration.

**3.4. Testing or Process Interruptions and Changes**

There were no testing interruptions during the test series.

## SECTION 4. SAMPLING AND ANALYSIS PROCEDURES

### 4.1. Port Location

#### Flares (A-6, A-7 & A-8)

Emissions from the flares were sampled via a circular stack for Flares 1-3, with two ports located approximately 5 stack diameters downstream of the burners and 1 stack diameter upstream from the exit. Access to the sampling ports was provided by a 40-foot boom-lift.

The dimensional cross-sections of Flare #1 stack is 44" (Area SQFT = 10.559)

The dimensional cross-sections of Flare #2 stack is 68" (Area SQFT = 25.220)

The dimensional cross-sections of Flare #3 stack is 80" (Area SQFT = 34.907)

Inlet gases were collected from the main header to the flares via a 14-inch stainless Steel pipe. A single port/tap was located >8 diameters downstream and >2 diameters upstream from the nearest disturbance.

#### Microturbines (S-16 & S-17)

Emissions from the Micro-Turbines were sampled via a circular stack for both units with one port located 5 stack diameters downstream from the nearest disturbance and 2 stack diameters upstream from the exit. Access to the sampling ports was obtained by reaching the stack from ground level using a 12-foot probe.

The dimensional cross-sections of each circular stack is 8-inches (Area SQFT = 0.349)

The fuel line to the Micro-Turbines are a 1-inch SS pipe with an inside diameter of 1.049 inches (Area SQFT = 0.005). A single port/tap was located at a T-connection in the piping prior to entering the unit.

### 4.2. Method Description, Equipment, Sampling, Analysis and QA/QC

Sampling and analytical procedures of the methods were followed as published in the EPA "Quality Assurance Handbook for Air Pollution Measurement Systems" Volume III.

#### The following is an overview of the FLARE Testing Performed, each

Parameter	Location	Method(s)	Duration	# of Runs
THC, CH <sub>4</sub> & NMOC	Exhaust	EPA Method 25A	30 mins	3
NO <sub>x</sub> , CO & O <sub>2</sub>	Exhaust	EPA Method 7E, 10 & 3A	30 mins	3
Flow Rate	Exhaust	EPA 19	30 mins	3
NMOC, CH <sub>4</sub> & THC	Inlet	EPA Methods 18	~30 mins	3
C1-C6, O <sub>2</sub> , N <sub>2</sub> , BTU-Fixed Gasses	Inlet	ASTM D-1945/3588	~30 mins	3
Flow Rate & Flare Temp.	Inlet	Flare Gas Metering System	30 mins	3
O <sub>2</sub> , CO <sub>2</sub> , N <sub>2</sub> , THC, CH <sub>4</sub> , NMOC, LFG organics & TRS compounds	Inlet	ASTM D-1945 & D-6228 and EPA TO-15 & 25C	~30 mins	3

\*The sample matrix above meets the requirements set forth by the BAAQMD protocol review.

The following is an overview of the Microturbine Testing Performed, each

Parameter	Location	Method(s)	Duration	# of Runs
O <sub>2</sub> , NO <sub>x</sub> , & CO	Exhaust	EPA Methods 3A, 7E & 10	30 mins	3
THC, CH <sub>4</sub> , & NMOC	Exhaust	EPA Methods 25A & 18	30 mins	3
Flow Rate	Exhaust	EPA 19	30 mins	3
NMOC, CH <sub>4</sub> & THC	Inlet	EPA Method 18	~30 mins	3
HHV	Inlet	ASTM D-1945/3588	~30 mins	3
Flow Rate, Load & Op. Temp.	Inlet	Monitoring System	30 mins	3

\*The sample matrix above meets the requirements set forth by the BAAQMD protocol review.

**EPA Method 1.** 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 7E, 10 & 3A** are all continuous monitoring techniques using instrumental analyzers. Sampling is performed by extracting exhaust flue gas from the stack, conditioning the sample and analyzing the flue gas using continuous monitoring gas analyzers in a CEM test van. The sampling system consists of a stainless-steel sample probe, Teflon sample line, glass-fiber particulate filter, glass moisture-knockout condensers in ice, Teflon sample transfer tubing, diaphragm pump and a stainless steel/Teflon manifold and flow control/delivery system. A constant sample and calibration gas supply pressure of 5 PSI is provided to each analyzer to avoid pressure variable response differences. The entire sampling system is leak checked prior to and at the end of the sampling program.

The BE sampling and analytical system is checked for linearity with zero, mid and high level span calibration gases, and is checked for system bias at the beginning of the test day. System bias is determined by pulling calibration gas through the entire sampling system. Individual test run calibrations uses the calibration gas, which most closely matches the stack gas effluent. The calibration gases are selected to fall approximately within the following instrument ranges; 80 to 95 percent for the high calibration, 40 to 60 percent for the mid range and zero. Bias zero and calibration drift values are determined for each test run. All BE calibration gases are EPA Protocol 1. The analyzer data recording system consists of multi-channel strip chart recorders, which is supported by BE's Computer Data Acquisition System (DAS). The NO<sub>2</sub> converter was checked and confirmed to be > 90% efficient.

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

Instrument Linearity	± 2% Calibration Span or 0.5 difference
Instrument Bias	± 5% Calibration Span or 0.5 difference
Calibration Gas	± 2% Value
NO <sub>2</sub> converter efficiency	>90%

**Test Criteria**

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

**The following continuous monitoring analyzers were used:**

<u>Parameter</u>	<u>Make</u>	<u>Model</u>	<u>Principle</u>
NO <sub>x</sub>	CAI	600CLD	Chemiluminescence
CO	TECO	48i	GFC IR analyzer
O <sub>2</sub>	CAI	110P	Paramagnetic

**EPA 25A (THC by FID)** is an accepted method for the determination of THC. A flame ionization detector (FID) total hydrocarbon continuous monitor is used for the sampling. The sampling and calibrations are performed through an all heated sample line connected directly to the THC analyzer without the removal of moisture. The FID in the analyzer is heated to 190 °C. The calibration gases are selected to fall within the following instrument ranges; 80 to 90 percent for the high calibration, 45 to 55 percent for the mid-range calibration, 25 to 35 percent for the low range calibration and zero. Zero and mid calibration drift values are determined for each test run.

**EPA Method TO-15** analysis is used to determine emissions of Organic and compounds. Inlet gases are filled into evacuated summa canisters corresponding to the test program. The cans are labeled respectively then sent to a laboratory and analyzed for speciated compounds by GC/MS (gas chromatography/mass spectrometer). For more information on the lab analysis, refer to Appendix B for method description and QA/QC.

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

**EPA Method 18** is used to determine non-methane organic compounds (NMOC) emissions by gas chromatograph / Flame Ionization Detection (GC/FID). Inlet gases (LFG) are filled into a tedlar bag. Sample is filled with positive pressure off the LFG main header. The bag samples are taken to a laboratory and analyzed within 72 hours. Inlet NMOC is assumed equal to total non-methane hydrocarbons. The results are reported with a detection limit of 1.0 ppm as methane for non-methane organic compounds (NMOC).

**EPA Method 19** is used to determine stack gas volumetric flow rates using oxygen based F-factors. F-factors are ratios of combustion gas volumes generated from heat input. The heating value



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

**EPA Method ASTM D-1945 & D-3588 analysis** is used to determine the composition of fuel gas (e.g. O<sub>2</sub>, CO<sub>2</sub>, N<sub>2</sub>, CH<sub>4</sub>, C<sub>1</sub>-C<sub>6</sub>+ & HHV). Inlet gases are filled into a tedlar bag, the bag is labeled respectively then sent to a Laboratory and analyzed for fixed gases, methane and C<sub>1</sub>-C<sub>6</sub> using GC/FID (gas chromatography/flame ionization detector). Each compound has calorific values that are used to calculate the BTU combustion factors (HHV) used in EPA Method 19. The results are reported in percent levels.

**ASTM D-6228** analysis is used to determine emissions of H<sub>2</sub>S. Inlet gases are filled into tedlar bags corresponding to the test program. The bags are labeled respectively then sent to a laboratory and analyzed by GC/FPD (gas chromatography/Flame Photometric Detector) within 24 hours. For more information on the lab analysis, refer to Appendix B for method description and QA/QC.

#### **4.3. Analytical Laboratories**

LFG samples were sent to Best Environmental for CH<sub>4</sub>, NMOC, fixed gases, sulfur and HHV analysis. AAC Laboratories performed the for LFG characterization & NMOC (M25C) analyses.

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

TABLE #1

**City Mt View, Shoreline Landfill  
Microturbine S-17 (Flare)  
NMOC, NOx and CO Emissions Results**

TEST	1	2	3	AVERAGE	LIMIT
Test Date	01/24/23	01/24/23	01/24/23		
Test Time	950-1020	1030-1100	1110-1140		
Standard Temp., °F	70	70	70		
Flow Rate, DSCFM	986	1,010	956	984	
Load, Kw	64	63	61	63	
<b>Outlet Emissions</b>					
O <sub>2</sub> , %	17.08	17.15	17.14	17.12	
NO <sub>x</sub> , ppm	1.16	1.11	1.07	1.12	
NO <sub>x</sub> , lbs/hr	0.01	0.01	0.01	0.01	
<b>NO<sub>x</sub>, lbs/MW-hr</b>	0.128	0.127	0.119	<b>&lt;0.125</b>	<b>0.5</b>
CO, ppm	47.49	48.96	52.82	49.76	
CO, lbs/hr	0.20	0.21	0.22	0.21	
<b>CO, lbs/MW-hr</b>	3.18	3.41	3.60	<b>3.39</b>	<b>6.0</b>
THC, ppm as methane	9.389	9.405	11.248	10.014	
CH <sub>4</sub> , ppm as methane	5.70	5.65	6.54	5.96	
NMOC, ppm	3.69	3.75	4.71	4.05	
<b>NMOC, ppm corr. to 3% O<sub>2</sub></b>	17.26	17.93	22.40	<b>19.19</b>	<b>120</b>
NMOC, lbs/hr	0.009	0.009	0.011	0.010	
<b>VOC, lbs/MW-hr</b>	0.14	0.15	0.18	<b>0.16</b>	<b>1.0</b>
<b>Inlet</b>					
Flowrate, dscfm	41.36	41.21	41.02	41.20	
CH <sub>4</sub> , ppm as methane	467,000	464,300	445,700	459,000	
CH <sub>4</sub> , lbs/hr	47.9	47.5	45.4	46.9	
NMOC, ppm as methane	40.90	43.54	44.00	42.81	
NMOC, lbs/hr	0.0042	0.0045	0.0045	0.0044	
<b>Efficiency</b>					
<b>CH<sub>4</sub>, %</b>	<b>99.98%</b>	<b>99.98%</b>	<b>99.98%</b>	<b>99.98%</b>	<b>99</b>

**WHERE:**

DSCFM = Dry Standard Cubic Feet Per Minute

ppm = Parts Per Million Concentration

MW = Molecular Weight

CO = Carbon Monoxide (MW = 28)

NO<sub>x</sub> = Oxides of Nitrogen as NO<sub>2</sub> (MW = 46)**CALCULATIONS:**

$$\text{lbs/hr} = \text{ppm} * \text{DSCFM} * \text{MW} * 60 / 385 * 10^6$$

$$\text{ppm @ 3\% O}_2 = \text{ppm} * 17.9 / (20.9 - \text{stack O}_2)$$

$$\text{lbs/hr} = \text{ppm} * \text{DSCFM} * \text{MW} * 0.00008223 / (\text{Std Temp} + 460)$$

$$\text{lbs/MMBtu} = \text{Fd} * \text{M.W.} * \text{ppm} * 2.59\text{E-}9 * (20.9 / (20.9 - \% \text{O}_2))$$

TABLE #2

**City Mt View, Shoreline Landfill  
Microturbine S-16 (SPS)  
NMOC, NOx and CO Emissions Results**

TEST	1	2	3	AVERAGE	LIMIT
Test Date	01/24/23	01/24/23	01/24/23		
Test Time	1212-1242	1252-1322	1332-1402		
Standard Temp., °F	70	70	70		
Flow Rate, DSCFM	984	934	900	939	
Load, Kw	62	61	60	61	
<b>Outlet Emissions</b>					
O <sub>2</sub> , %	17.14	17.14	17.08	17.12	
NOx, ppm	0.94	0.89	0.91	0.91	
NOx, lbs/hr	0.01	0.01	0.01	0.01	
NOx, lbs/MW-hr	0.107	0.097	0.097	<b>0.100</b>	<b>0.5</b>
CO, ppm	26.77	30.33	32.04	29.72	
CO, lbs/hr	0.11	0.12	0.13	0.12	
CO, lbs/MW-hr	1.85	2.02	2.09	<b>1.98</b>	<b>6.0</b>
THC, ppm as methane	4.65	5.35	5.65	5.21	
CH <sub>4</sub> , ppm as methane	4.26	4.28	4.09	4.21	
CH <sub>4</sub> , lbs/hr	0.010	0.010	0.009	0.010	
NMOC, ppm	0.39	1.07	1.56	1.00	
<b>NMOC, ppm corr. to 3% O<sub>2</sub></b>	1.84	5.08	7.30	<b>4.74</b>	<b>120</b>
NMOC, lbs/hr	0.0009	0.0025	0.0035	0.0023	
VOC, lbs/MW-hr	0.015	0.041	0.058	<b>0.038</b>	<b>1.0</b>
<b>Inlet</b>					
Flowrate, dscfm	41.04	39.04	38.36	39.48	
CH <sub>4</sub> , ppm as methane	457,600	457,300	449,300	449,300.00	
CH <sub>4</sub> , lbs/hr	46.6	44.3	42.8	44.6	
NMOC, ppm as methane	35.56	37.82	33.94	35.77	
NMOC, lbs/hr	0.0036	0.0037	0.0032	0.0035	
<b>Efficiency</b>					
CH <sub>4</sub> , %	99.98%	99.98%	99.98%	99.98%	<b>99</b>

**WHERE**

DSCFM = Dry Standard Cubic Feet Per Minute  
 ppm = Parts Per Million Concentration  
 MW = Molecular Weight  
 CO = Carbon Monoxide (MW = 28)  
 NOx = Oxides of Nitrogen as NO<sub>2</sub> (MW = 46)

**CALCULATIONS:**

lbs/hr = ppm \* DSCFM \* MW \* 60 / 385 x 106  
 ppm @ 3% O<sub>2</sub> = ppm \* 17.9 / (20.9-stack O<sub>2</sub>)  
 lbs/hr = ppm \* DSCFM \* MW \* 0.00008223 / (Std Temp + 460)  
 lbs/MMBtu = Fd \* M.W. \* ppm \* 2.59E-9 \* (20.9/(20.9-%O<sub>2</sub>))

TABLE #3

**City Mt View, Shoreline Landfill  
Flare 1 (A-6)  
NMOC, NO<sub>x</sub> and CO Emissions Results**

TEST	1	2	3	AVERAGE	LIMIT
Test Date	01/25/23	01/25/23	01/25/23		
Test Time	820-850	900-930	941-1011		
Standard Temp., °F	70	70	70		
F factor	9,296	9,377	9,320	9,331	
Flow Rate, DSCFM	1,153	1,162	1,155	1,157	
Flare Temp., °F	1,626	1,628	1,624	1,626	
<b>Outlet Emissions</b>					
O <sub>2</sub> , %	12.16	12.08	12.04	12.09	
NO <sub>x</sub> , ppm	17.00	16.87	17.09	16.99	
<b>NO<sub>x</sub>, ppm @ 15% O<sub>2</sub></b>	11.47	11.29	11.38	<b>11.38</b>	<b>15</b>
NO <sub>x</sub> , lbs/hr	0.14	0.14	0.14	0.14	
NO <sub>x</sub> , lbs/MMBtu	0.0450	0.0447	0.0448	0.0448	
CO <sub>2</sub> , ppm	<1.0	<1.0	<1.0	<1.0	
<b>CO, ppm @ 15% O<sub>2</sub></b>	<0.7	<0.7	<0.7	<b>&lt;0.7</b>	<b>83</b>
CO, lbs/hr	<0.0050	<0.0050	<0.0050	<0.0050	
CO, lbs/MMBtu	<0.0016	<0.0016	<0.0016	<0.0016	
THC, ppm as methane	<1.0	<1.0	<1.0	<1.0	
CH <sub>4</sub> , ppm as methane	<1.0	<1.0	<1.0	<1.0	
CH <sub>4</sub> , lbs/hr	<0.0029	<0.0029	<0.0029	<0.0029	
NMOC, ppm	<1.0	<1.0	<1.0	<1.0	
<b>NMOC, ppm corr. to 3% O<sub>2</sub></b>	<2.0	<2.0	<2.0	<b>&lt;2.0</b>	<b>30</b>
NMOC, lbs/hr	<0.0029	<0.0029	<0.0029	<0.0029	
NMOC, lbs/MMBtu	<0.0009	<0.0009	<0.0009	<0.0009	
<b>Inlet Landfill Gas</b>					
Flowrate, dscfm	111	111	111	111	
<b>H<sub>2</sub>S, ppm</b>	29.88	27.68	28.55	<b>28.70</b>	<b>150</b>
CH <sub>4</sub> , ppm as methane	489,900	478,400	474,300	480,867	
CH <sub>4</sub> , lbs/hr	135.0	131.8	130.7	132.5	
NMOC, ppm as methane	623	623	623	623	
NMOC, lbs/hr	0.056	0.056	0.056	0.056	
<b>Efficiency</b>					
CH <sub>4</sub> , %	99.998%	99.998%	99.998%	99.998%	99
NMOC, %	>94.93%	>94.86%	>94.91%	>94.90%	98

**Note:** NMOC compliance can be demonstrated by either efficiency or corrected to 3% O<sub>2</sub>

**Where**

DSCFM = Dry Standard Cubic Feet Per Minute

ppm = Parts Per Million Concentration

MW = Molecular Weight

CO = Carbon Monoxide (MW = 28)

NO<sub>x</sub> = Oxides of Nitrogen as NO<sub>2</sub> (MW = 46)

**Calculations**

lbs/hr = ppm \* DSCFM \* MW \* 60 / 385 x 10<sup>6</sup>

ppm @ 3% O<sub>2</sub> = ppm \* 17.9 / (20.9-stack O<sub>2</sub>)

ppm @ 15% O<sub>2</sub> = ppm \* 5.9 / (20.9-stack O<sub>2</sub>)

lbs/hr = ppm \* DSCFM \* MW \* 0.00008223 / (Std Temp + 460)

lbs/MMBtu = Fd \* M.W. \* ppm \* 2.59E-9 \* (20.9/(20.9-%O<sub>2</sub>))

TABLE #4

**City Mt View, Shoreline Landfill  
Flare 2 (A-7)  
NMOC, NOx and CO Emissions Results**

TEST	1	2	3	AVERAGE	LIMIT
Test Date	01/25/23	01/25/23	01/25/23		
Test Time	1029-1059	1110-1140	1200-1230		
Standard Temp., °F	70	70	70		
F factor	9,350	9,344	9,343	9,346	
Flow Rate, DSCFM	2,200	2,209	2,158	2,189	
Flare Temp., °F	1,622	1,625	1,631	1,626	
<b>Outlet Emissions</b>					
O <sub>2</sub> , %	11.97	11.95	11.87	11.93	
NO <sub>x</sub> , ppm	19.41	19.35	19.95	19.57	
<b>NO<sub>x</sub>, ppm @ 15% O<sub>2</sub></b>	12.82	12.76	13.04	<b>12.87</b>	<b>15</b>
NO <sub>x</sub> , lbs/hr	0.30	0.30	0.31	0.31	
NO <sub>x</sub> , lbs/MMBtu	0.0506	0.0503	0.0514	0.0508	
CO, ppm	<1.0	<1.0	<1.0	<1.0	
<b>CO, ppm @ 15% O<sub>2</sub></b>	<0.7	<0.7	<0.7	<b>&lt;0.7</b>	<b>83</b>
CO, lbs/hr	<0.010	<0.010	<0.009	<0.010	
CO, lbs/MMBtu	<0.0016	<0.0016	<0.0016	<0.0016	
THC, ppm as methane	<1.0	<1.0	<1.0	<1.0	
CH <sub>4</sub> , ppm as methane	<1.0	<1.0	<1.0	<1.0	
CH <sub>4</sub> , lbs/hr	<0.0055	<0.0055	<0.0054	<0.0054	
NMOC, ppm	<1.0	<1.0	<1.0	<1.0	
<b>NMOC, ppm corr. to 3% O<sub>2</sub></b>	<2.0	<2.0	<2.0	<b>&lt;2.0</b>	<b>30</b>
NMOC, lbs/hr	<0.0055	<0.0055	<0.0054	<0.0054	
NMOC, lbs/MMBtu	<0.0009	<0.0009	<0.0009	<0.0009	
<b>Inlet Landfill Gas</b>					
Flowrate, dscfm	212	212	214	213	
<b>H<sub>2</sub>S, ppm</b>	28.93	29.34	29.24	<b>29.17</b>	<b>150</b>
CH <sub>4</sub> , ppm as methane	467,000	464,300	445,700	459,000	
CH <sub>4</sub> , lbs/hr	245.8	244.3	236.8	242.3	
NMOC, ppm as methane	693	693	693	693	
NMOC, lbs/hr	0.073	0.072	0.075	0.073	
<b>Efficiency</b>					
CH <sub>4</sub> , %	99.998%	99.998%	99.998%	99.998%	99
NMOC, %	>92.49%	>92.43%	>92.81%	>92.58%	98

Note: NMOC compliance can be demonstrated by either efficiency or corrected to 3% O<sub>2</sub>

**Where**

DSCFM = Dry Standard Cubic Feet Per Minute  
 ppm = Parts Per Million Concentration  
 MW = Molecular Weight  
 CO = Carbon Monoxide (MW = 28)  
 NO<sub>x</sub> = Oxides of Nitrogen as NO<sub>2</sub> (MW = 46)

**Calculations**

lbs/hr = ppm \* DSCFM \* MW \* 60 / 385 x 106  
 ppm @ 3% O<sub>2</sub> = ppm \* 17.9 / (20.9-stack O<sub>2</sub>)  
 ppm @ 15% O<sub>2</sub> = ppm \* 5.9 / (20.9-stack O<sub>2</sub>)  
 lbs/hr = ppm \* DSCFM \* MW \* 0.00008223 / (Std Temp + 460)  
 lbs/MMBtu = Fd \* M.W. \* ppm \* 2.59E-9 \* (20.9/(20.9-%O<sub>2</sub>))

TABLE #5

**City Mt View, Shoreline Landfill  
Flare 3 (A-8)  
NMOC, NOx and CO Emissions Results**

TEST	1	2	3	AVERAGE	LIMIT
Test Date	01/25/23	01/25/23	01/25/23		
Test Time	1300-1330	1342-1412	1422-1452		
Standard Temp., °F	70	70	70		
F factor	9,307	9,326	9,310	9,314	
Flow Rate, DSCFM	3,810	3,722	3,697	3,743	
Flare Temp., °F	1,625	1,623	1,625	1,624	
<b>Outlet Emissions</b>					
O <sub>2</sub> , %	11.82	11.84	11.87	11.85	
NO <sub>x</sub> , ppm	18.21	18.30	18.34	18.28	
<b>NO<sub>x</sub>, ppm corr. to 15% O<sub>2</sub></b>	11.84	11.92	11.99	<b>11.92</b>	<b>15</b>
NO <sub>x</sub> , lbs/hr	0.50	0.49	0.48	0.49	
NO <sub>x</sub> , lbs/MMBtu	0.0465	0.0469	0.0471	0.0468	
CO, ppm	<1.0	<1.0	<1.0	<1.0	
<b>CO, ppm corr. to 15% O<sub>2</sub></b>	<0.6	<0.7	<0.7	<b>&lt;0.7</b>	<b>83</b>
CO, lbs/hr	<0.027	<0.027	<0.026	<0.027	
CO, lbs/MMBtu	<0.0006	<0.0006	<0.0006	<0.0006	
THC, ppm as methane	2.42	1.96	1.30	1.89	
CH <sub>4</sub> , ppm as methane	1.00	1.00	1.00	1.00	
CH <sub>4</sub> , lbs/hr	0.01	0.01	0.01	0.01	
NMOC, ppm	2.42	1.96	1.30	1.89	
<b>NMOC, ppm corr. to 3% O<sub>2</sub></b>	4.78	3.87	2.58	<b>3.74</b>	<b>30</b>
NMOC, lbs/hr	0.02	0.02	0.01	0.02	
NMOC, lbs/MMBtu	0.00	0.00	0.00	0.00	
<b>Inlet Landfill Gas</b>					
Flowrate, dscfm	359	357	357	358	
<b>H<sub>2</sub>S, ppm</b>	31.70	30.46	30.40	<b>30.85</b>	<b>150</b>
CH <sub>4</sub> , ppm as methane	457,600	457,300	449,300	454,733	
CH <sub>4</sub> , lbs/hr	407.8	405.3	398.2	403.8	
NMOC, ppm as methane	831	831	831	831	
NMOC, lbs/hr	0.092	0.093	0.094	0.093	
<b>Efficiency</b>					
CH <sub>4</sub> , %	99.998%	99.998%	99.998%	99.998%	99
NMOC, %	75.07%	80.63%	87.30%	81.00%	98

**Note:** NMOC compliance can be demonstrated by either efficiency or corrected to 3% O<sub>2</sub>

**Where**

DSCFM = Dry Standard Cubic Feet Per Minute

ppm = Parts Per Million Concentration

MW = Molecular Weight

CO = Carbon Monoxide (MW = 28)

NO<sub>x</sub> = Oxides of Nitrogen as NO<sub>2</sub> (MW = 46)

**Calculations**

$$\text{lbs/hr} = \text{ppm} * \text{DSCFM} * \text{MW} * 60 / 385 \times 10^6$$

$$\text{ppm @ 3\% O}_2 = \text{ppm} * 17.9 / (20.9 - \text{stack O}_2)$$

$$\text{ppm @ 15\% O}_2 = \text{ppm} * 5.9 / (20.9 - \text{stack O}_2)$$

$$\text{lbs/hr} = \text{ppm} * \text{DSCFM} * \text{MW} * 0.00008223 / (\text{Std Temp} + 460)$$

$$\text{lbs/MMBtu} = \text{Fd} * \text{M.W.} * \text{ppm} * 2.59\text{E-}9 * (20.9 / (20.9 - \% \text{O}_2))$$

# **APPENDICES**

**APPENDIX A – CALCULATIONS & NOMENCLATURE**

**APPENDIX B - LABORATORY REPORTS**

**APPENDIX C - FIELD DATA SHEETS**

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**APPENDIX A**  
**CALCULATIONS & NOMENCLATURE**



**Standard Abbreviations for Reports**

Unit	Abbreviation	Unit	Abbreviation
Brake horsepower	bhp	microgram	ug
Brake horsepower hour	bhp-hr	milligram	mg
British Thermal Unit	Btu	milliliter	ml
capture efficiency	CE	million	MM
destruction efficiency	DE	minute	min
Dry Standard Cubic Feet	DSCF	Molecular Weight	M
Dry Standard Cubic Feet per Minute	DSCFM	nanogram	ng
Dry Standard Cubic Meter	DSCM	Parts per Billion	ppb
grains per dry standard cubic foot	gr/DSCF	Parts per Million	ppm
gram	g	pound	lb
grams per Brake horsepower hour	g/bhp-hr	pounds per hour	lbs/hr
kilowatt	kW	pounds per million Btu	lbs/MMBtu
liter	l	second	sec
Megawatts	MW	Specific Volume, ft <sup>3</sup> /lb-mole	SV
		Thousand	K

**Common Conversions / Calculations / Constants**

1 gram = 15.432 grains

1 pound = 7000 grains

grams per pound = 453.6

bhp = 1.411 \* Engine kW, (where Engine kW = Generator kW output / 0.95) @ 95% efficiency

g/bhp-hr = 453 \* ppm \* (MW / (385E6)) \* 0.00848 \* f-factor \* (20.9 / (20.9 - O<sub>2</sub>)); CARB

g/bhp-hr = lbs/hr \* 453.6 / bhp

2.59E-9 = Conversion factor for ppm to lbs/scf; EPA 40CFR60.45 @ 68°F

Correction Multiplier for Standard Temperature = (460 + T<sub>std.</sub> °F) / 528

F factor: dscf / MMBTU @ 60°F = 8579, @ 68°F = 8710. @ 70° F = 8743 for natural gas

Btu/ft<sup>3</sup>: 1040

lb/hr Part. Emission Rate = 0.00857 \* gr/dscf \* dscfm; EPA Method 5

lbs/hr = ppm \* dscfm \* MW \* 0.00008223 / (Std Temp + 460)

Correction to 12% CO<sub>2</sub> = gr/dscf \* 12% / stack CO<sub>2</sub>%; EPA Method 5

Correction to 3% O<sub>2</sub> = ppm \* 17.9 / (20.9 - stack O<sub>2</sub> %); CARB Method 100

Correction to 15% O<sub>2</sub> = ppm \* 5.9 / (20.9 - stack O<sub>2</sub> %); CARB Method 100

dscfm = Gas Fd \* MMBtu/min \* 20.9 / (20.9 - stack O<sub>2</sub> %); EPA Method 19

Lb/MMBtu @ 60°F = Fd \* M \* ppm \* 2.64E-9 \* 20.9 / (20.9 - stack O<sub>2</sub> %);

@ 68°F = Fd \* M \* ppm \* 2.59E-9 \* 20.9 / (20.9 - stack O<sub>2</sub> %);

@ 70F = Fd \* M \* ppm \* 2.58-9 \* 20.9 / (20.9 - stack O<sub>2</sub> %)

**Standard Temperatures by District**

EPA	68 °F	NSAPCD - Northern Sonoma	68 °F
CARB	68 °F	PCAPCD - Placer	68 °F
BAAQMD - Bay Area	70 °F	SLOCAPCD - San Luis Obispo	60 °F
SJVUAPCD - San Joaquin	60 °F	SMAQMD - Sacramento	68°F de facto
SCAQMD - South Coast	60 °F	SCAQMD - Shasta County	68 °F
MBUAPCD - Monterey Bay	68 °F	YSAPCD - Yolo-Solano	68 °F
FRAQMD - Feather River	68 °F	AADBAPC - Amador County	68 °F

CEM BIAS SYSTEM TEST SUMMARY SHEET (EPA)

Facility: City Mt View, Shoreline Landfill Date: 1/24/2023 Personnel: BJ & BK  
 Location: Microturbine S-16

	O <sub>2</sub>		NOx	CO	THC		Comments
Analyzer	CAI 110		CAI 600	TECO 48	TECO 51		
Range	21.08		45.20	94.40	100.00		
Zero Value (N2)	0.00		0.00	0.00	0.00		
Cal Value (low)					27.18		EPA 25A only
Cyl. #					CC265251		
Cal Value (mid)	9.08		22	43.80	43.50		
Cyl. #	CC755977		DT40666	CC755977	DT42922		
Cal Value (Hi)	21.08		45.20	94.40	92.10		
Cyl. #	EB152935		CC755335	EB152935	CC506583		

CALIBRATION ERROR CHECK

Zero cal (int)	0.01		0.00	-0.05	0.39		
% Linearity	0.0		0.0	-0.1	0.4		<2% or +/- 0.5 ppm diff.
mid cal (int)	9.05		22.07	44.04	43.43		
% Linearity	-0.1		0.2	0.3	-0.1		<2% or +/- 0.5 ppm diff.
high cal (int)	21.12		45.23	94.67	91.77		
% Linearity	0.2		0.1	0.3	-0.4		<2% or +/- 0.5 ppm diff.

SYSTEM BIAS & DRIFT

Zero (int)	0.01		0.00	-0.05	-0.05		
Zero (ext)(i)	-0.09		0.00	-0.65	0.19		
Cal (int)	9.05		22.07	44.04	43.43		
Cal (ext) 1(i)	8.94		22.32	43.05	42.99		
Zero (ext) 1(f)	-0.13		0.01	-0.76	0.10		1212-1242
Cal (ext) 1(f)	8.89		22.19	42.82	43.44		Run 1
Zero % Drift	-0.2		0.0	-0.1	-0.1		Limit (±3%) or +/-0.5 ppm diff.
Cal % Drift	-0.2		-0.3	-0.2	0.4		Limit (±3%) or +/-0.5 ppm diff.
Zero % Bias	-0.6		0.0	-0.7	0.2		Limit (±5%) or +/-0.5 ppm diff.
Cal % Bias	-0.8		0.3	-1.3	0.0		Limit (±5%) or +/-0.5 ppm diff.
Average	16.93		0.96	25.97	4.74		
Corr. Average	17.14		0.94	26.77	4.65		
Zero (ext) 2(f)	-0.14		0.00	-0.81	0.02		1252-1322
Cal (ext) 2(f)	8.92		22.32	42.63	42.48		Run 2
Zero % Drift	0.0		0.0	-0.1	-0.1		Limit (±3%) or +/-0.5 ppm diff.
Cal % Drift	0.2		0.3	-0.2	-1.0		Limit (±3%) or +/-0.5 ppm diff.
Zero % Bias	-0.7		0.0	-0.8	0.1		Limit (±5%) or +/-0.5 ppm diff.
Cal % Bias	-0.6		0.6	-1.5	-1.0		Limit (±5%) or +/-0.5 ppm diff.
Average	16.93		0.91	29.35	5.33		
Corr. Average	17.14		0.89	30.33	5.35		
Zero (ext) 3(f)	-0.15		0.00	-0.85	0.00		1332-1402
Cal (ext) 3(f)	8.94		22.34	42.47	42.57		Run 3
Zero % Drift	0.0		0.0	0.0	0.0		Limit (±3%) or +/-0.5 ppm diff.
Cal % Drift	0.1		0.0	-0.2	0.1		Limit (±3%) or +/-0.5 ppm diff.
Zero % Bias	-0.7		0.0	-0.8	0.1		Limit (±5%) or +/-0.5 ppm diff.
Cal % Bias	-0.6		0.6	-1.7	-0.9		Limit (±5%) or +/-0.5 ppm diff.
Average	16.93		0.92	30.90	5.53		
Corr. Average	17.08		0.91	32.04	5.65		

SYSTEM RESPONSE TIME = 60 sec

System Drift (Limit ± 3%) =  $100 * \frac{\text{External final cal} - \text{External Initial cal}}{\text{High Gas Value}}$

System Bias (Limit ± 5%) =  $100 * \frac{\text{External cal} - \text{Internal cal}}{\text{High Gas Value}}$

% Linearity (Limit ± 2%) =  $100 * \frac{\text{Span Value} - \text{Internal cal}}{\text{High Gas Value}}$

Corrected Average =  $[\text{Test Avg.} - ((Z_i + Z_f) / 2)] * \text{Span Gas Value} / [((S_i + S_f) / 2) - ((Z_i + Z_f) / 2)]$

CEM BIAS SYSTEM TEST SUMMARY SHEET (EPA)

Facility: City Mt View, Shoreline Landfill Date: 1/24/2023 Personnel: BJ & BK  
 Location: Microturbine S-17

	O <sub>2</sub>		NO <sub>x</sub>	CO	THC		Comments
Analyzer	CAI 110		CAI 600	TECO 48	TECO 51		
Range	21.08		45.20	94.40	100.00		
Zero Value (N2)					0.00		
Cal Value (low)					27.18		EPA 25A only
Cyl. #					CC265251		
Cal Value (mid)	9.08		22	43.80	43.50		
Cyl. #	CC755977		DT40666	CC755977	DT42922		
Cal Value (Hi)	21.08		45.20	94.40	92.10		
Cyl. #	EB152935		CC755335	EB152935	CC506583		

CALIBRATION ERROR CHECK

Zero cal (int)	0.01		0.00	-0.05	0.39		
% Linearity	0.0		0.0	-0.1	0.4		<2% or +/- 0.5 ppm diff.
mid cal (int)	9.05		22.07	44.04	43.43		
% Linearity	-0.1		0.2	0.3	-0.1		<2% or +/- 0.5 ppm diff.
high cal (int)	21.12		45.23	94.67	91.77		
% Linearity	0.2		0.1	0.3	-0.4		<2% or +/- 0.5 ppm diff.

SYSTEM BIAS & DRIFT

Zero (int)	0.01		0.00	-0.05	-0.05		
Zero (ext)(i)	-0.09		0.00	-0.39	0.20		
Cal (int)	9.05		22.07	44.04	43.43		
Cal (ext) 1(i)	8.99		22.01	43.82	43.03		
Zero (ext) 1(f)	-0.07		0.02	-0.48	0.34		950-1020
Cal (ext) 1(f)	8.94		21.98	43.69	44.04		Run 1
Zero % Drift	0.1		0.0	-0.1	0.1		Limit (±3%) or +/-0.5 ppm diff.
Cal % Drift	-0.2		-0.1	-0.1	1.0		Limit (±3%) or +/-0.5 ppm diff.
Zero % Bias	-0.4		0.0	-0.4	0.4		Limit (±5%) or +/-0.5 ppm diff.
Cal % Bias	-0.5		-0.2	-0.4	0.7		Limit (±5%) or +/-0.5 ppm diff.
Average	16.93		1.18	47.47	9.61		
Corr. Average	17.08		1.16	47.49	9.39		
Zero (ext) 2(f)	-0.08		0.00	-0.56	-0.04		1030-1100
Cal (ext) 2(f)	8.96		22.12	43.38	42.56		Run 2
Zero % Drift	0.0		0.0	-0.1	-0.4		Limit (±3%) or +/-0.5 ppm diff.
Cal % Drift	0.1		0.3	-0.3	-1.5		Limit (±3%) or +/-0.5 ppm diff.
Zero % Bias	-0.4		0.0	-0.5	0.0		Limit (±5%) or +/-0.5 ppm diff.
Cal % Bias	-0.5		0.1	-0.7	-0.9		Limit (±5%) or +/-0.5 ppm diff.
Average	16.97		1.12	48.73	9.48		
Corr. Average	17.15		1.11	48.96	9.40		
Zero (ext) 3(f)	-0.09		0.00	-0.65	0.19		1110-1140
Cal (ext) 3(f)	8.94		22.32	43.05	42.99		Run 3
Zero % Drift	0.0		0.0	-0.1	0.2		Limit (±3%) or +/-0.5 ppm diff.
Cal % Drift	-0.1		0.5	-0.4	0.4		Limit (±3%) or +/-0.5 ppm diff.
Zero % Bias	-0.5		0.0	-0.6	0.3		Limit (±5%) or +/-0.5 ppm diff.
Cal % Bias	-0.5		0.6	-1.0	-0.5		Limit (±5%) or +/-0.5 ppm diff.
Average	16.96		1.08	52.25	11.12		
Corr. Average	17.14		1.07	52.82	11.25		

SYSTEM RESPONSE TIME = 60 sec

System Drift (Limit ± 3%) =  $100 * \frac{\text{External final cal} - \text{External Initial cal}}{\text{High Gas Value}}$

System Bias (Limit ± 5%) =  $100 * \frac{\text{External cal} - \text{Internal cal}}{\text{High Gas Value}}$

% Linearity (Limit ± 2%) =  $100 * \frac{\text{Span Value} - \text{Internal cal}}{\text{High Gas Value}}$

Corrected Average =  $[\text{Test Avg.} - ((Z_i + Z_f) / 2)] * \text{Span Gas Value} / [((S_i + S_f) / 2) - ((Z_i + Z_f) / 2)]$

CEM BIAS SYSTEM TEST SUMMARY SHEET (EPA)

Facility: City Mt View, Shoreline Landfill Date: 1/25/2023 Personnel: BJ & BK  
 Location: Flare 1 (A6)

	O <sub>2</sub>		NO <sub>x</sub>	CO	THC		Comments
Analyzer	CAI 110		CAI 600	TECO 48	TECO 51		
Range	21.08		45.20	94.40	100.00		
Zero Value (N2)					0.00		
Cal Value (low)					27.18		EPA 25A only
Cyl. #					CC265251		
Cal Value (mid)	9.08		22	43.80	43.50		
Cyl. #	CC755977		DT40666	CC755977	DT42922		
Cal Value (Hi)	21.08		45.20	94.40	92.10		
Cyl. #	EB152935		CC755335	EB152935	CC506583		

CALIBRATION ERROR CHECK

Zero cal (int)	-0.10		0.00	-0.13	-0.20		
% Linearity	-0.5		0.0	-0.1	-0.2		<2% or +/- 0.5 ppm diff.
mid cal (int)	9.05		21.85	43.97	43.08		
% Linearity	-0.2		-0.3	0.2	-0.5		<2% or +/- 0.5 ppm diff.
high cal (int)	21.01		45.43	94.18	93.78		
% Linearity	-0.3		0.5	-0.2	1.8		<2% or +/- 0.5 ppm diff.

SYSTEM BIAS & DRIFT

Zero (int)	-0.10		0.00	-0.13	-0.13		
Zero (ext)(i)	-0.05		0.01	-0.55	-0.51		
Cal (int)	9.05		21.85	43.97	43.08		
Cal (ext) 1(i)	9.01		21.99	43.76	43.14		
Zero (ext) 1(f)	-0.07		0.01	-0.66	-0.50		820-850
Cal (ext) 1(f)	9.09		21.90	43.44	42.66		Run 1
Zero % Drift	-0.1		0.0	-0.1	0.0		Limit (±3%) or +/-0.5 ppm diff.
Cal % Drift	0.4		-0.2	-0.3	-0.5		Limit (±3%) or +/-0.5 ppm diff.
Zero % Bias	0.2		0.0	-0.6	-0.4		Limit (±5%) or +/-0.5 ppm diff.
Cal % Bias	0.2		0.1	-0.6	-0.5		Limit (±5%) or +/-0.5 ppm diff.
Average	12.13		16.96	-0.83	-0.07		
Corr. Average	12.16		17.00	-0.22	0.44		
Zero (ext) 2(f)	-0.08		0.00	-0.73	-0.51		900-930
Cal (ext) 2(f)	9.07		21.58	43.19	44.53		Run 2
Zero % Drift	0.0		0.0	-0.1	0.0		Limit (±3%) or +/-0.5 ppm diff.
Cal % Drift	-0.1		-0.7	-0.3	1.9		Limit (±3%) or +/-0.5 ppm diff.
Zero % Bias	0.1		0.0	-0.6	-0.4		Limit (±5%) or +/-0.5 ppm diff.
Cal % Bias	0.1		-0.6	-0.8	1.6		Limit (±5%) or +/-0.5 ppm diff.
Average	12.10		16.67	-0.91	-0.10		
Corr. Average	12.08		16.87	-0.21	0.40		
Zero (ext) 3(f)	-0.08		0.01	-0.82	-0.68		941-1011
Cal (ext) 3(f)	9.08		21.99	42.96	42.86		Run 3
Zero % Drift	0.0		0.0	-0.1	-0.2		Limit (±3%) or +/-0.5 ppm diff.
Cal % Drift	0.1		0.9	-0.2	-1.7		Limit (±3%) or +/-0.5 ppm diff.
Zero % Bias	0.1		0.0	-0.7	-0.6		Limit (±5%) or +/-0.5 ppm diff.
Cal % Bias	0.2		0.3	-1.1	-0.2		Limit (±5%) or +/-0.5 ppm diff.
Average	12.06	0.00	16.92	-1.01	-0.09		
Corr. Average	12.04		17.09	-0.23	0.50		

System Drift (Limit ± 3%) =  $100 * \frac{\text{External final cal} - \text{External Initial cal}}{\text{High Gas Value}}$

System Bias (Limit ± 5%) =  $100 * \frac{\text{External cal} - \text{Internal cal}}{\text{High Gas Value}}$

% Linearity (Limit ± 2%) =  $100 * \frac{\text{Span Value} - \text{Internal cal}}{\text{High Gas Value}}$

Corrected Average =  $[\text{Test Avg.} - ((Z_i + Z_f) / 2)] * \text{Span Gas Value} / [((S_i + S_f) / 2) - ((Z_i + Z_f) / 2)]$

CEM BIAS SYSTEM TEST SUMMARY SHEET (EPA)

Facility: City Mt View, Shoreline Landfill Date: 1/25/2023 Personnel: BJ & BK  
 Location: Flare 2 (A7)

	O <sub>2</sub>		NOx	CO	THC		Comments
Analyzer	CAI 110		CAI 600	TECO 48	TECO 51		
Range	21.08		45.20	94.40	100.00		
Zero Value (N2)	0.00		0.00	0.00	0.00		
Cal Value (low)					27.18		EPA 25A only
Cyl. #					CC265251		
Cal Value (mid)	9.08		22	43.80	43.50		
Cyl. #	CC755977		DT40666	CC755977	DT42922		
Cal Value (Hi)	21.08		45.20	94.40	92.10		
Cyl. #	EB152935		CC755335	EB152935	CC506583		

CALIBRATION ERROR CHECK

Zero cal (int)	-0.10		0.00	-0.13	-0.20		
% Linearity	-0.5		0.0	-0.1	-0.2		<2% or +/- 0.5 ppm diff.
mid cal (int)	9.05		21.85	43.97	43.08		
% Linearity	-0.2		-0.3	0.2	-0.5		<2% or +/- 0.5 ppm diff.
high cal (int)	21.01		45.43	94.18	93.78		
% Linearity	-0.3		0.5	-0.2	1.8		<2% or +/- 0.5 ppm diff.

SYSTEM BIAS & DRIFT

Zero (int)	-0.10		0.00	-0.13	-0.13		
Zero (ext)(i)	-0.08		0.01	-0.82	-0.68		
Cal (int)	9.05		21.85	43.97	43.08		
Cal (ext) 1(i)	9.08		21.99	42.96	42.86		
Zero (ext) 1(f)	-0.09		0.00	-0.88	-1.06		1029-1059
Cal (ext) 1(f)	9.05		22.20	42.67	42.63		Run 1
Zero % Drift	0.0		0.0	-0.1	-0.4		Limit (±3%) or +/-0.5 ppm diff.
Cal % Drift	-0.1		0.5	-0.3	-0.2		Limit (±3%) or +/-0.5 ppm diff.
Zero % Bias	0.0		0.0	-0.8	-1.0		Limit (±5%) or +/-0.5 ppm diff.
Cal % Bias	0.0		0.8	-1.4	-0.5		Limit (±5%) or +/-0.5 ppm diff.
Average	11.98		19.50	-1.07	-0.26		
Corr. Average	11.97		19.41	-0.22	0.61		
Zero (ext) 2(f)	-0.10		0.01	-0.92	-0.82		1110-1140
Cal (ext) 2(f)	9.04		22.18	42.33	43.10		Run 2
Zero % Drift	0.0		0.0	0.0	0.2		Limit (±3%) or +/-0.5 ppm diff.
Cal % Drift	0.0		-0.1	-0.4	0.5		Limit (±3%) or +/-0.5 ppm diff.
Zero % Bias	0.0		0.0	-0.8	-0.8		Limit (±5%) or +/-0.5 ppm diff.
Cal % Bias	0.0		0.7	-1.7	0.0		Limit (±5%) or +/-0.5 ppm diff.
Average	11.94		19.51	-1.15	-0.39		
Corr. Average	11.95		19.35	-0.25	0.54		
Zero (ext) 3(f)	-0.10		0.00	-0.98	-0.89		1200-1230
Cal (ext) 3(f)	9.03		22.26	42.33	42.22		Run 3
Zero % Drift	0.0		0.0	-0.1	-0.1		Limit (±3%) or +/-0.5 ppm diff.
Cal % Drift	-0.1		0.2	0.0	-0.9		Limit (±3%) or +/-0.5 ppm diff.
Zero % Bias	0.0		0.0	-0.9	-0.8		Limit (±5%) or +/-0.5 ppm diff.
Cal % Bias	-0.1		0.9	-1.7	-0.9		Limit (±5%) or +/-0.5 ppm diff.
Average	11.84		20.15	-1.21	-0.43		
Corr. Average	11.87		19.95	-0.26	0.43		

System Drift (Limit ± 3%) =  $100 * \frac{\text{External final cal} - \text{External Initial cal}}{\text{High Gas Value}}$

System Bias (Limit ± 5%) =  $100 * \frac{\text{External cal} - \text{Internal cal}}{\text{High Gas Value}}$

% Linearity (Limit ± 2%) =  $100 * \frac{\text{Span Value} - \text{Internal cal}}{\text{High Gas Value}}$

Corrected Average =  $[\text{Test Avg.} - ((Z_i + Z_f) / 2)] * \text{Span Gas Value} / [((S_i + S_f) / 2) - ((Z_i + Z_f) / 2)]$

CEM BIAS SYSTEM TEST SUMMARY SHEET (EPA)

Facility: City Mt View, Shoreline Landfill Date: 1/25/2023 Personnel: BJ & BK  
 Location: Flare 3 (A8)

	O <sub>2</sub>		NO <sub>x</sub>	CO	THC		Comments
Analyzer	CAI 110		CAI 600	TECO 48	TECO 51		
Range	21.08		45.20	94.40	100.00		
Zero Value (N2)	0.00		0.00	0.00	0.00		
Cal Value (low)					27.18		EPA 25A only
Cyl. #					CC265251		
Cal Value (mid)	9.08		22	43.80	43.50		
Cyl. #	CC755977		DT40666	CC755977	DT42922		
Cal Value (Hi)	21.08		45.20	94.40	92.10		
Cyl. #	EB152935		CC755335	EB152935	CC506583		

CALIBRATION ERROR CHECK

Zero cal (int)	-0.10		0.00	-0.13	-0.20		
% Linearity	-0.5		0.0	-0.1	-0.2		<2% or +/- 0.5 ppm diff.
mid cal (int)	9.05		21.85	43.97	43.08		
% Linearity	-0.2		-0.3	0.2	-0.5		<2% or +/- 0.5 ppm diff.
high cal (int)	21.01		45.43	94.18	93.78		
% Linearity	-0.3		0.5	-0.2	1.8		<2% or +/- 0.5 ppm diff.

SYSTEM BIAS & DRIFT

Zero (int)	-0.10		0.00	-0.13	-0.13		
Zero (ext)(i)	-0.10		0.00	-0.98	-0.89		
Cal (int)	9.05		21.85	43.97	43.08		
Cal (ext) 1(i)	9.03		22.26	42.33	42.22		
Zero (ext) 1(f)	-0.12		0.00	-1.04	-0.67		1300-1330
Cal (ext) 1(f)	9.00		22.19	42.20	43.16		Run 1
Zero % Drift	-0.1		0.0	-0.1	0.2		Limit (±3%) or +/-0.5 ppm diff.
Cal % Drift	-0.1		-0.2	-0.1	0.9		Limit (±3%) or +/-0.5 ppm diff.
Zero % Bias	-0.1		0.0	-1.0	-0.6		Limit (±5%) or +/-0.5 ppm diff.
Cal % Bias	-0.2		0.7	-1.9	0.1		Limit (±5%) or +/-0.5 ppm diff.
Average	11.77		18.39	-0.21	1.64		
Corr. Average	11.82		18.21	0.81	2.42		
Zero (ext) 2(f)	-0.13		0.00	-1.08	-0.71		1342-1412
Cal (ext) 2(f)	8.98		22.22	41.98	42.42		Run 2
Zero % Drift	-0.1		0.0	0.0	0.0		Limit (±3%) or +/-0.5 ppm diff.
Cal % Drift	-0.1		0.1	-0.2	-0.7		Limit (±3%) or +/-0.5 ppm diff.
Zero % Bias	-0.1		0.0	-1.0	-0.6		Limit (±5%) or +/-0.5 ppm diff.
Cal % Bias	-0.3		0.8	-2.1	-0.7		Limit (±5%) or +/-0.5 ppm diff.
Average	11.77		18.47	-0.92	1.27		
Corr. Average	11.84		18.30	0.14	1.96		
Zero (ext) 3(f)	-0.14		0.00	-1.13	-0.79		1422-1452
Cal (ext) 3(f)	8.99		22.27	41.90	42.32		Run 3
Zero % Drift	0.0		0.0	-0.1	-0.1		Limit (±3%) or +/-0.5 ppm diff.
Cal % Drift	0.0		0.1	-0.1	-0.1		Limit (±3%) or +/-0.5 ppm diff.
Zero % Bias	-0.2		0.0	-1.1	-0.7		Limit (±5%) or +/-0.5 ppm diff.
Cal % Bias	-0.3		0.9	-2.2	-0.8		Limit (±5%) or +/-0.5 ppm diff.
Average	11.79		18.54	-1.08	0.54		
Corr. Average	11.87		18.34	0.02	1.30		

System Drift (Limit ± 3%) =  $100 * \frac{\text{External final cal} - \text{External Initial cal}}{\text{High Gas Value}}$

System Bias (Limit ± 5%) =  $100 * \frac{\text{External cal} - \text{Internal cal}}{\text{High Gas Value}}$

% Linearity (Limit ± 2%) =  $100 * \frac{\text{Span Value} - \text{Internal cal}}{\text{High Gas Value}}$

Corrected Average =  $[\text{Test Avg.} - ((Z_i + Z_f) / 2)] * \text{Span Gas Value} / [((S_i + S_f) / 2) - ((Z_i + Z_f) / 2)]$

**STACK GAS FLOW RATE DETERMINATION -- FUEL USAGE  
EPA Method 19**

Facility: City Mt View  
 Unit: Microturbine S-17 (Flare)  
 Date: 1/24/2023

	Run 1	Run 2	Run 3	Average	
Time:					
Gross Calorific Value @ 70°F	473	470	451	465	Btu / ft³
Stack Oxygen	17.08	17.15	17.14	17.12	%
Gas Fd-Factor @ 70°F	9,286	9,422	9,366	9,358	DSCF/MMBtu
Standard Temperature (°F)	70	70	70	70	°F
Corrected Fuel Rate (SCFM)	41.36	41.21	41.02	41.20	SCFM
Fuel Flow Rate (SCFH)	2,482	2,473	2,461	2,472	SCFH
Million Btu per minute	0.020	0.019	0.019	0.019	MMBtu/min
Heat Input (MMBtu/hour)	1.17	1.16	1.11	1.15	MMBtu/Hr
<b>Stack Gas Flow Rate</b>	<b>986</b>	<b>1,010</b>	<b>956</b>	<b>984</b>	<b>DSCFM</b>

**WHERE:**

Gas Fd-Factor = Fuel conversion factor (ratio of combustion gas volumes to heat inputs)  
 MMBtu = Million Btu

**CALCULATIONS:**

$SCFM = CFM * 528 * (gas\ line\ PSIA) / 14.7 / (gas\ ^\circ F + 460)$   
 $MMBtu/min = (SCFM * Btu/ft^3) / 1,000,000$   
 $DSCFM = Gas\ Fd-Factor * MMBtu/min * 20.95 / (20.95 - stack\ oxygen\%)$   
 $SCFH = SCFM * 60$   
 $Heat\ Input = MMBtu/min * 60$

**STACK GAS FLOW RATE DETERMINATION -- FUEL USAGE  
EPA Method 19**

Facility: City Mt View  
 Unit: Microturbine S-16 (SPS)  
 Date: 1/24/2023

	Run 1	Run 2	Run 3	Average	
Time:					
Gross Calorific Value @ 70°F	463	463	455	460	Btu / ft <sup>3</sup>
Stack Oxygen	17.14	17.14	17.08	17.12	%
Gas Fd-Factor @ 70°F	9,374	9,375	9,475	9,408	DSCF/MMBtu
Standard Temperature (°F)	70	70	70	70	°F
Corrected Fuel Rate (SCFM)	41.04	39.04	38.36	39.48	SCFM
Fuel Flow Rate (SCFH)	2,462	2,342	2,302	2,369	SCFH
Million Btu per minute	0.019	0.018	0.017	0.018	MMBtu/min
Heat Input (MMBtu/hour)	1.14	1.08	1.05	1.09	MMBtu/Hr
<b>Stack Gas Flow Rate</b>	<b>984</b>	<b>934</b>	<b>900</b>	<b>939</b>	<b>DSCFM</b>

**WHERE:**

Gas Fd-Factor = Fuel conversion factor (ratio of combustion gas volumes to heat inputs)  
 MMBtu = Million Btu

**CALCULATIONS:**

$SCFM = CFM * 528 * (\text{gas line PSIA}) / 14.7 / (\text{gas } ^\circ\text{F} + 460)$   
 $MMBtu/min = (SCFM * \text{Btu}/ft^3) / 1,000,000$   
 $DSCFM = \text{Gas Fd-Factor} * \text{MMBtu}/min * 20.95 / (20.95 - \text{stack oxygen}\%)$   
 $SCFH = SCFM * 60$   
 $\text{Heat Input} = \text{MMBtu}/min * 60$



**STACK GAS FLOW RATE DETERMINATION -- FUEL USAGE  
EPA Method 19**

Facility: City Mt View  
Unit: Flare 1  
Date: 1/25/2023

	Run 1	Run 2	Run 3	Average	
Time:					
Gross Calorific Value @ 70°F	467	471	473	470	Btu / ft <sup>3</sup>
Stack Oxygen	12.16	12.08	12.04	12.09	%
Gas Fd-Factor @ 70°F	9,296	9,377	9,320	9,331	DSCF/MMBtu
Standard Temperature (°F)	70	70	70	70	°F
Corrected Fuel Rate (SCFM)	111	111	111	111	SCFM
Fuel Flow Rate (SCFH)	6,660	6,660	6,660	6,660	SCFH
Million Btu per minute	0.052	0.052	0.053	0.052	MMBtu/min
Heat Input (MMBtu/hour)	3.11	3.14	3.15	3.13	MMBtu/Hr
<b>Stack Gas Flow Rate</b>	<b>1,153</b>	<b>1,162</b>	<b>1,155</b>	<b>1,157</b>	<b>DSCFM</b>

**WHERE:**

Gas Fd-Factor = Fuel conversion factor (ratio of combustion gas volumes to heat inputs)  
MMBtu = Million Btu

**CALCULATIONS:**

$SCFM = CFM * 528 * (\text{gas line PSIA}) / 14.7 / (\text{gas } ^\circ F + 460)$   
 $MMBtu/min = (SCFM * Btu/ft^3) / 1,000,000$   
 $DSCFM = \text{Gas Fd-Factor} * MMBtu/min * 20.95 / (20.95 - \text{stack oxygen}\%)$   
 $SCFH = SCFM * 60$   
 $\text{Heat Input} = MMBtu/min * 60$

**STACK GAS FLOW RATE DETERMINATION -- FUEL USAGE  
EPA Method 19**

Facility: City Mt View  
Unit: Flare 2  
Date: 1/25/2023

	Run 1	Run 2	Run 3	Average	
Time:					
Gross Calorific Value @ 70°F	474	477	466	472	Btu / ft <sup>3</sup>
Stack Oxygen	11.97	11.95	11.87	11.93	%
Gas Fd-Factor @ 70°F	9,350	9,344	9,343	9,346	DSCF/MMBtu
Standard Temperature (°F)	70	70	70	70	°F
Corrected Fuel Rate (SCFM)	212	212	214	213	SCFM
Fuel Flow Rate (SCFH)	12,720	12,720	12,840	12,760	SCFH
Million Btu per minute	0.100	0.101	0.100	0.100	MMBtu/min
Heat Input (MMBtu/hour)	6.03	6.07	5.98	6.03	MMBtu/Hr
<b>Stack Gas Flow Rate</b>	<b>2,200</b>	<b>2,209</b>	<b>2,158</b>	<b>2,189</b>	<b>DSCFM</b>

**WHERE:**

Gas Fd-Factor = Fuel conversion factor (ratio of combustion gas volumes to heat inputs)  
MMBtu = Million Btu

**CALCULATIONS:**

$SCFM = CFM * 528 * (\text{gas line PSIA}) / 14.7 / (\text{gas } ^\circ\text{F} + 460)$   
 $MMBtu/min = (SCFM * \text{Btu}/ft^3) / 1,000,000$   
 $DSCFM = \text{Gas Fd-Factor} * \text{MMBtu}/min * 20.95 / (20.95 - \text{stack oxygen}\%)$   
 $SCFH = SCFM * 60$   
 $\text{Heat Input} = \text{MMBtu}/min * 60$

**STACK GAS FLOW RATE DETERMINATION -- FUEL USAGE  
EPA Method 19**

Facility: City Mt View  
 Unit: Flare 3  
 Date: 1/25/2023

	Run 1	Run 2	Run 3	Average	
Time:					
Gross Calorific Value @ 70°F	495	484	480	486	Btu / ft <sup>3</sup>
Stack Oxygen	11.82	11.84	11.87	11.85	%
Gas Fd-Factor @ 70°F	9,307	9,326	9,310	9,314	DSCF/MMBtu
Standard Temperature (°F)	70	70	70	70	°F
Corrected Fuel Rate (SCFM)	359	357	357	358	SCFM
Fuel Flow Rate (SCFH)	21,540	21,420	21,420	21,460	SCFH
Million Btu per minute	0.178	0.173	0.171	0.174	MMBtu/min
Heat Input (MMBtu/hour)	10.66	10.37	10.28	10.44	MMBtu/Hr
<b>Stack Gas Flow Rate</b>	<b>3,810</b>	<b>3,722</b>	<b>3,697</b>	<b>3,743</b>	<b>DSCFM</b>

**WHERE:**

Gas Fd-Factor = Fuel conversion factor (ratio of combustion gas volumes to heat inputs)  
 MMBtu = Million Btu

**CALCULATIONS:**

$SCFM = CFM * 528 * (gas\ line\ PSIA) / 14.7 / (gas\ ^\circ F + 460)$   
 $MMBtu/min = (SCFM * Btu/ft^3) / 1,000,000$   
 $DSCFM = Gas\ Fd-Factor * MMBtu/min * 20.95 / (20.95 - stack\ oxygen\%)$   
 $SCFH = SCFM * 60$   
 $Heat\ Input = MMBtu/min * 60$

**APPENDIX B**  
**LAB REPORTS**

## BEST ENVIRONMENTAL

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Livermore, California 94551

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[bestair@best-enviro.com](mailto:bestair@best-enviro.com)

March 9, 2023

**Subject:** On January 24 & 25, 2023 Best Environmental collected 15 LFG samples and 6 microturbine outlet samples at the City of Mountain View Landfill Annual Source Test.

**CLIENT:** City of Mountain View

**PROJECT NAME:** City of Mountain View Landfill Annual Source Test

**BE PROJECT NO:** 393

**ANALYSIS DATE:** 1/26/23

Sample ID	Lab Sample Number
Run 1 Flare 1 Inlet	11404
Run 2 Flare 1 Inlet	11405
Run 3 Flare 1 Inlet	11406
Run 1 Flare 2 Inlet	11407
Run 2 Flare 2 Inlet	11408
Run 3 Flare 2 Inlet	11409
Run 1 Flare 3 Inlet	11410
Run 2 Flare 3 Inlet	11411
Run 3 Flare 3 Inlet	11412
Run 1 SPS Microturbine Inlet	11467
Run 2 SPS Microturbine Inlet	11468
Run 3 SPS Microturbine Inlet	11469
Run 1 Flare Microturbine Inlet	11470
Run 2 Flare Microturbine Inlet	11471
Run 3 Flare Microturbine Inlet	11472
Run 1 SPS Microturbine Outlet	11437
Run 2 SPS Microturbine Outlet	11438
Run 3 SPS Microturbine Outlet	11439
Run 1 Flare Microturbine Outlet	11440
Run 2 Flare Microturbine Outlet	11441
Run 3 Flare Microturbine Outlet	11442

The samples were analyzed in accordance with EPA Method 18 (CH<sub>4</sub>/NMOC) & ASTM D-1945/3588/6228 (fuel composition analysis, High heat value calculations & H<sub>2</sub>S).

The following pages present the analytical results. A chain of custody can also be found in this report. This Lab report contains a total of 14 pages.

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.

If you have any questions concerning these results, or if Best Environmental can be of any further assistance, please contact me at (925) 455-9474 x 103.

Submitted by,



Bobby Asfour

Lab Director

**EPA Method 18 & ASTM D-1945/3588/6228**

Facility: City of Mt. View

Source: LFG Flare

Test Date: 1/24 & 1/25/23

Lab Personnel: BA

Analysis Date: 1/26/23

Project #: 393

Sample Media: Tedlar Bags

Flare 1 Inlet

Run #	Inlet % CH4	ppm		H2S	
		C2 as CH4	C3+ as CH4	ppmv	gr/100scf
11404	48.99	24.42	46.96	29.88	1.77
11405	47.84	23.97	35.35	27.68	1.64
11406	47.43	23.57	39.22	28.55	1.69

Flare 2 Inlet

**CH4 & VOC Analysis (M18)**

Run #	Inlet % CH4	ppm		H2S	
		C2 as CH4	C3+ as CH4	ppmv	gr/100scf
11407	46.70	24.25	59.38	28.93	1.71
11408	46.43	24.33	47.93	29.34	1.73
11409	44.57	24.77	53.42	29.24	1.73

Flare 3 Inlet

Run #	Inlet % CH4	ppm		H2S	
		C2 as CH4	C3+ as CH4	ppmv	gr/100scf
11410	45.76	23.70	50.98	31.70	1.87
11411	45.73	24.79	57.72	30.46	1.80
11412	44.93	24.35	32.77	30.40	1.80

Flare Microturbine Outlet

**CH4 Analysis (M18)**

Run #	Outlet % CH4	ppm		Dup.		limit
		C2 as CH4	C3+ as CH4			
11437	5.70	ND	N.A.	(5.89)	(2.20)	
11438	5.65	ND	N.A.	-3%	#VALUE!	15%
11439	6.54	ND	N.A.			

SPS Microturbine Outlet

Run #	Outlet % CH4	ppm	
		C2	C3+ as CH4
11440	4.26	ND	N.A.
11441	4.28	ND	N.A.
11442	4.09	ND	N.A.

Flare Microturbine Inlet

Run #	Inlet % CH4	ppm	
		C2 as CH4	C3+ as CH4
11467	46.70	24.02	<b>40.90</b>
11468	46.43	24.72	<b>43.54</b>
11469	44.57	24.03	<b>44.00</b>

SPS Microturbine Inlet

Run #	Inlet % CH4	ppm	
		C2 as CH4	C3+ as CH4
11470	45.76	24.34	<b>35.56</b>
11471	45.73	24.82	<b>37.82</b>
11472	44.93	24.20	<b>33.94</b>

DL	outlet	Inlet	
CH4	<1	<0.2	ppm/%
C2	<1	<1	ppm
C3+ as methane	<1	<1	ppm
H2S		<1	ppm

Flare 1

1/25/2023

**Fuel Analysis-R1 inlet**

Helium	0.00
Hydrogen	0.25
Nitrogen	23.26
Oxygen	3.83
Carbon Monox	0.00
Carbon Dioxid	27.83
Methane	46.14
Ethane	0.00
Propane	0.00
Isobutane	0.00
n-Butane	0.00
Isopentane	0.00
n-Pentane	0.00
Hexanes	0.00
H2S	0.00

Fd-Factor	9,296
HHV	467

**Fuel Analysis-R2 Inlet**

Helium	0.00
Hydrogen	0.22
Nitrogen	22.04
Oxygen	3.49
Carbon Mo	0.00
Carbon Dio	28.17
Methane	46.51
Ethane	0.00
Propane	0.00
Isobutane	0.00
n-Butane	0.00
Isopentane	0.00
n-Pentane	0.00
Hexanes	0.00
H2S	0.00

Fd-Factor	9,377
HHV	471

**Fuel Analysis-R3 Inlet**

Helium	0.00	%
Hydrogen	0.23	%
Nitrogen	22.20	%
Oxygen	3.50	%
CO	0.00	%
CO2	28.36	%
Methane	46.79	%
Ethane	0.00	%
Propane	0.00	%
Isobutane	0.00	%
n-Butane	0.00	%
Isopentane	0.00	%
n-Pentane	0.00	%
Hexanes	0.00	%
H2S	0.00	%

Fd-Factor	9,320	dscf/MMBtu @ 70F
HHV	473	BTU/cf

**Average**

0.00
0.23
22.50
3.60
0.00
28.12
46.48
0.00
0.00
0.00
0.00
0.00
0.00
0.00
0.00

9331
470

Flare 2

1/25/2023

**Fuel Analysis-R1 inlet**

Helium	0.00
Hydrogen	0.22
Nitrogen	22.17
Oxygen	3.46
Carbon Monox	0.00
Carbon Dioxid	28.42
Methane	46.88
Ethane	0.00
Propane	0.00
Isobutane	0.00
n-Butane	0.00
Isopentane	0.00
n-Pentane	0.00
Hexanes	0.00
H2S	0.00

Fd-Factor	9,350
HHV	474

**Fuel Analysis-R2 Inlet**

Helium	0.01
Hydrogen	0.22
Nitrogen	21.87
Oxygen	3.39
Carbon Mo	0.00
Carbon Dio	28.52
Methane	47.17
Ethane	0.00
Propane	0.00
Isobutane	0.00
n-Butane	0.00
Isopentane	0.00
n-Pentane	0.00
Hexanes	0.00
H2S	0.00

Fd-Factor	9,344
HHV	477

**Fuel Analysis-R3 Inlet**

Helium	0.02	%
Hydrogen	0.21	%
Nitrogen	31.84	%
Oxygen	4.15	%
Carbon Mo	0.00	%
Carbon Dio	26.90	%
Methane	33.96	%
Ethane	0.00	%
Propane	0.00	%
Isobutane	0.00	%
n-Butane	0.00	%
Isopentane	0.00	%
n-Pentane	0.00	%
Hexanes	0.00	%
H2S	0.00	%

Fd-Factor	9,343	dscf/MMBtu @ 70F
HHV	466	BTU/cf

0.01
0.22
25.29
3.66
0.00
27.95
42.67
0.00
0.00
0.00
0.00
0.00
0.00
0.00
0.00

9346
472

Flare 3

1/25/2023

**Fuel Analysis-R1 inlet**

Helium	0.00
Hydrogen	0.19
Nitrogen	19.63
Oxygen	3.00
Carbon Monox	0.00
Carbon Dioxid	29.42
Methane	48.99
Ethane	0.00
Propane	0.00
Isobutane	0.00
n-Butane	0.00
Isopentane	0.00
n-Pentane	0.00
Hexanes	0.00
H2S	0.00

Fd-Factor	9,307
HHV	495

**Fuel Analysis-R2 Inlet**

Helium	0.00
Hydrogen	0.21
Nitrogen	21.12
Oxygen	3.28
Carbon Mo	0.00
Carbon Dio	28.75
Methane	47.84
Ethane	0.00
Propane	0.00
Isobutane	0.00
n-Butane	0.00
Isopentane	0.00
n-Pentane	0.00
Hexanes	0.00
H2S	0.00

Fd-Factor	9,326
HHV	484

**Fuel Analysis-R3 Inlet**

Helium	0.00	%
Hydrogen	0.23	%
Nitrogen	21.80	%
Oxygen	3.55	%
Carbon Mo	0.00	%
Carbon Dio	28.27	%
Methane	47.43	%
Ethane	0.00	%
Propane	0.00	%
Isobutane	0.00	%
n-Butane	0.00	%
Isopentane	0.00	%
n-Pentane	0.00	%
Hexanes	0.00	%
H2S	0.00	%

Fd-Factor	9,310	dscf/MMBtu @ 70F
HHV	480	BTU/cf

0.00
0.21
20.85
3.27
0.00
28.81
48.09
0.00
0.00
0.00
0.00
0.00
0.00
0.00
0.00

9315
486



Flare Microturbine 1/24/2023

Fuel Analysis-R1 inlet	
Helium	0.00
Hydrogen	0.24
Nitrogen	22.92
Oxygen	3.63
Carbon Mono	0.00
Carbon Dioxid	28.41
Methane	46.70
Ethane	0.00
Propane	0.00
Isobutane	0.00
n-Butane	0.00
Isopentane	0.00
n-Pentane	0.00
Hexanes	0.00
H2S	0.00
Fd-Factor	9,286
HHV	473

Fuel Analysis-R2 Inlet	
Helium	0.00
Hydrogen	0.22
Nitrogen	21.92
Oxygen	3.41
Carbon Mo	0.00
Carbon Dio	28.46
Methane	46.43
Ethane	0.00
Propane	0.00
Isobutane	0.00
n-Butane	0.00
Isopentane	0.00
n-Pentane	0.00
Hexanes	0.00
H2S	0.00
Fd-Factor	9,422
HHV	470

Fuel Analysis-R3 Inlet			
Helium	0.00	%	0.00
Hydrogen	0.29	%	0.25
Nitrogen	24.93	%	23.26
Oxygen	4.33	%	3.79
Carbon Mo	0.00	%	0.00
Carbon Dio	26.89	%	27.92
Methane	44.57	%	45.90
Ethane	0.00	%	0.00
Propane	0.00	%	0.00
Isobutane	0.00	%	0.00
n-Butane	0.00	%	0.00
Isopentane	0.00	%	0.00
n-Pentane	0.00	%	0.00
Hexanes	0.00	%	0.00
H2S	0.00	%	0.00
Fd-Factor	9,366	dscf/MMBtu @ 70F	9358
HHV	451	BTU/cf	464

SPS Microturbine 1/24/2023

Fuel Analysis-R1 inlet	
Helium	0.00
Hydrogen	0.24
Nitrogen	23.45
Oxygen	3.69
Carbon Mono	0.00
Carbon Dioxid	27.97
Methane	45.76
Ethane	0.00
Propane	0.00
Isobutane	0.00
n-Butane	0.00
Isopentane	0.00
n-Pentane	0.00
Hexanes	0.00
H2S	0.00
Fd-Factor	9,374
HHV	463

Fuel Analysis-R2 Inlet	
Helium	0.00
Hydrogen	0.24
Nitrogen	23.45
Oxygen	3.68
Carbon Mo	0.00
Carbon Dio	28.01
Methane	45.73
Ethane	0.00
Propane	0.00
Isobutane	0.00
n-Butane	0.00
Isopentane	0.00
n-Pentane	0.00
Hexanes	0.00
H2S	0.00
Fd-Factor	9,375
HHV	463

Fuel Analysis-R3 Inlet			
Helium	0.00	%	0.00
Hydrogen	0.49	%	0.32
Nitrogen	22.65	%	23.19
Oxygen	3.91	%	3.76
Carbon Mo	0.00	%	0.00
Carbon Dio	28.04	%	28.01
Methane	44.93	%	45.48
Ethane	0.00	%	0.00
Propane	0.00	%	0.00
Isobutane	0.00	%	0.00
n-Butane	0.00	%	0.00
Isopentane	0.00	%	0.00
n-Pentane	0.00	%	0.00
Hexanes	0.00	%	0.00
H2S	0.00	%	0.00
Fd-Factor	9,475	dscf/MMBtu @ 70F	9408
HHV	455	BTU/cf	460

GC/FID/FPD/TCD: SRI 8610C  
 Column: 3 foot Haysep D, 60M capillary, 12' 13x Packed column  
 Chromatic integration: Peak444 Peaksimple by SRI  
 Gas Standards: Proane in Air Methane calibration curve (3:1)  
                   H2S in N2  
                   LFG gas standard in Methane  
 Oxidizer and Methanizer used for M25C

**Gas Chromatography QA/QC Results**

**Facility:** City of Mt. View

**Source:** LFG Flare

**Test Date:** 1/24 & 1/25/23

**Lab Personnel:** BA

**Analysis Date:** 1/26/23

**Cal Curve Date:** 1/3/23

Daily Blank & R.T.				limit
	C1/CH4	C2/ethane	C3+/NMNEHC	DL
He Gas	ND	ND	ND	
C1-C6 gas	2.96	4.46	5.75	

\* C1-C6 gas used to determine retention times

initial cal propane as methane			
conc.	92.1	867	8970
area ct.	20.8	211	2010.5

3 point Cal-3 injections each (area ct)				limit
	20.8	211	2010.5	
	20.5	212	2012	
	21	208	2015	
average	20.77	210.33	2012.50	
Deviation	0.25	2.08	2.29	
<b>% diff</b>	<b>1.21</b>	<b>0.99</b>	<b>0.11</b>	<b>&lt;5</b>

H2S Caibration Check		area ct	
Cal value	171		
Response	170	3200	
<b>% Diff.</b>	<b>0.58</b>		<b>&lt;15</b>

post cal-Mid				limit
		867		
		869		
<b>% diff</b>		<b>-0.23</b>		<b>&lt;15%</b>

EPA Method 3C/ASTM D-1945 Daily Calibrations			
Method Required	Actual	Results	% Diff.
Values	Value		
N2	2	2.05	2.50
O2	1	1.02	2.00
CO	0.1	0.101	1.00
CO2	44	45.2	2.73
CH4	52	53.3	2.50



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DocNumber: 444964



Linde Gas & Equipment Inc. 5700 S. Alameda Street Los Angeles CA 90058 Tel: 323-585-2154 Fax: 714-542-6689 PGVP ID: F22022

# CERTIFICATE OF ANALYSIS / EPA PROTOCOL GAS

### Customer & Order Information

BEST ENVIRONMENTAL SERVICES  
339 STEALTH CT  
LIVERMORE CA 94551

Certificate Issuance Date: 01/06/2022

Linde Order Number: 59001704

Part Number: EV NIHS170ME-AS

Customer PO Number: 32

Fill Date: 12/09/2021

Lot Number: 70086134305

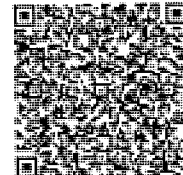
Cylinder Style & Outlet: AS CGA 330

Cylinder Pressure and Volume: 2000 psig 140 ft3

### Certified Concentration

ProSpec EZ Cert

Expiration Date:	01/05/2025	NIST Traceable
Cylinder Number:	SA4842	Expanded Uncertainty
171 ppm	Hydrogen sulfide	± 2 ppm
Balance	Nitrogen	



### Certification Information:

Certification Date: 01/05/2022

Term: 36 Months

Expiration Date: 01/05/2025

This cylinder was certified according to the 2012 EPA Traceability Protocol, Document #EPA-600/R-12/531, using Procedure G1. Uncertainty above is expressed as absolute expanded uncertainty at a level of confidence of approximately 95% with a coverage factor k = 2. Do Not Use this Standard if Pressure is less than 100 PSIG.

### Analytical Data:

(R=Reference Standard, Z=Zero Gas, C=Gas Candidate)

#### 1. Component:

Hydrogen sulfide

Requested Concentration: 170 ppm  
Certified Concentration: 171 ppm  
Instrument Used: Ametek Series 9900 S/N ZW-9900-S1330-1  
Analytical Method: UV Spectrometry  
Last Multipoint Calibration: 12/30/2021

Reference Standard: Type / Cylinder #: GMIS / DT0009254

Concentration / Uncertainty: 251 ppm ±2 ppm

Expiration Date: 07/17/2024

Traceable to: SRM # / Sample # / Cylinder #: PRM / C2103401 / D587474

SRM Concentration / Uncertainty: 400.4 ppm / ±3.2 ppm

SRM Expiration Date: 05/20/2024

First Analysis Data:				Date			
Z:	0	R:	251	C:	172	Conc:	172
R:	251	Z:	0	C:	171	Conc:	171
Z:	0	C:	173	R:	252	Conc:	173
UOM:	ppm		Mean Test Assay:	172		ppm	

Second Analysis Data:				Date			
Z:	0	R:	251	C:	171	Conc:	171
R:	251	Z:	0	C:	171	Conc:	171
Z:	0	C:	171	R:	251	Conc:	171
UOM:	ppm		Mean Test Assay:	171		ppm	

Analyzed By

Jose Vasquez

Certified By

Amalia Real



Making our world  
more productive



Linde Gas & Equipment Inc.  
ISO 9001 Registered  
37256 Highway 30  
Geismar, LA 70734  
Tel: 225-677-7700  
Fax: 225-673-3531

**Customer & Order Information:**

LGEPKG FREMONT CA HP  
41446 CHRISTY STREET,  
FREMONT, CA 94538-5105  
Linde Order Number: **71954931**  
Customer PO Number: **79956654**

Certificate Issuance Date: **1/27/2022**  
Certification Date: **1/27/2022**  
Lot Number: **70340 2026 6J**  
Part Number: **HE BU100X2C-A3**  
DocNumber: **482274**  
Expiration Date: **1/26/2024**


**CERTIFICATE OF ANALYSIS**  
*Certified Standard*

Component	Requested Concentration (Molar)	Certified Concentration (Molar)	Analytical Reference	Analytical Uncertainty
Butane	58.12 100 ppm	96.0 ppm	1	± 2 %
Ethane	30 100 ppm	95.5 ppm	1	± 2 %
n-Hexane	86.18 100 ppm	91.9 ppm	1	± 2 %
Methane	16 100 ppm	99.4 ppm	1	± 2 %
n-Pentane	72.15 100 ppm	93.7 ppm	1	± 2 %
Propane	44 100 ppm	97.6 ppm	1	± 2 %
Helium	99.94 %	99.94259 %	2	N/A

Cylinder Style: **A3**  
Cylinder Pressure @ 70 F: **1200 psig**  
Cylinder Volume: **16.5 ft3**  
Valve Outlet Connection: **CGA 350**  
Cylinder Number(s): **EX0013583**

Fill Date: **1/26/2022**  
Analysis Date: **1/26/2022**

Filling Method: **Gravimetric**

  
Analyst: **Craig Billiot**

  
QA Reviewer: **Kristen Hanna**

**Key to Analytical Techniques:**

Reference	Analytical Instrument - Analytical Principle
1	Agilent 7890B - Gas Chromatography with FID
2	N/A - By Difference of Other Components

The gas calibration cylinder standard prepared by Linde Gas & Equipment Inc. is considered a certified standard. It is prepared by gravimetric, volumetric, or partial pressure techniques. The calibration standard provided is certified against Linde Gas & Equipment Inc. Reference Materials which are traceable to the International System of Units (SI) through either weights traceable to the National Institute of Standards and Technology (NIST) or Measurement Canada, or through NIST Standard Reference Materials or equivalent where available.

Note: All expressions for concentration (e.g., % or ppm) are for gas phase, by mole unless otherwise noted. Analytical uncertainty is expressed as a Relative % unless otherwise noted.

**IMPORTANT**

The information contained herein has been prepared at your request by personnel within Linde Gas & Equipment Inc. While we believe the information is accurate within the limits of the analytical methods employed and is complete to the extent of the specific analyses performed, we make no warranty or representation as to the suitability of the use of the information for any particular purpose. The information is offered with the understanding that any use of the information is at the sole discretion and risk of the user. In no event shall liability of Linde Gas & Equipment Inc. arising out of the use of the information contained herein exceed the fee established for providing such information.



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Linde Gas & Equipment Inc.  
5700 S. Alameda Street  
Los Angeles CA 90058  
Tel: 323-585-2154  
Fax: 714-542-6689  
PGVP ID: F22022

DocNumber: 448691

# CERTIFICATE OF ANALYSIS / EPA PROTOCOL GAS

**Customer & Order Information**

BEST ENVIRONMENTAL SERVICES  
339 STEALTH CT  
LIVERMORE CA 94551

Certificate Issuance Date: 02/21/2022

Linde Order Number: 61663855

Part Number: AI PR3000E-AS

Customer PO Number: 35

Fill Date: 02/16/2022

Lot Number: 70086204705

Cylinder Style & Outlet: AS

CGA 590

Cylinder Pressure and Volume: 2000 psig

140 ft<sup>3</sup>

**Certified Concentration**

Expiration Date:	02/21/2030	NIST Traceable
Cylinder Number:	CC15394	Expanded Uncertainty
2990 ppm	Propane	± 25 ppm
Balance	Air	

**ProSpec EZ Cert**



**Certification Information:**

Certification Date: 02/21/2022

Term: 96 Months

Expiration Date: 02/21/2030

This cylinder was certified according to the 2012 EPA Traceability Protocol, Document #EPA-600/R-12/531, using Procedure G1. Uncertainty above is expressed as absolute expanded uncertainty at a level of confidence of approximately 95% with a coverage factor k = 2. Do Not Use this Standard if Pressure is less than 100 PSIG.

**Analytical Data:**

(R=Reference Standard, Z=Zero Gas, C=Gas Candidate)

1. Component: Propane

Requested Concentration: 3000 ppm  
 Certified Concentration: 2990 ppm  
 Instrument Used: Horiba FIA-510, 851135122  
 Analytical Method: FID Total Hydrocarbon Analyzer  
 Last Multipoint Calibration: 02/07/2022

Reference Standard: Type / Cylinder #: GMIS / CC257728  
 Concentration / Uncertainty: 2497 ppm ±13 ppm  
 Expiration Date: 02/09/2025  
 Traceable to: SRM # / Sample # / Cylinder #: SRM 2647a / 104-C-21 / XF003205B  
 SRM Concentration / Uncertainty: 2467 ppm / ±13.0 ppm  
 SRM Expiration Date: 05/02/2024

First Analysis Data:				Date
Z: 0	R: 7350	C: 8810	Conc: 2989	02/21/2022
R: 7360	Z: 0	C: 8810	Conc: 2989	
Z: 0	C: 8820	R: 7370	Conc: 2992	
UOM: ppm				Mean Test Assay: 2990 ppm

Second Analysis Data:				Date
Z: 0	R: 0	C: 0	Conc: 0	
R: 0	Z: 0	C: 0	Conc: 0	
Z: 0	C: 0	R: 0	Conc: 0	
UOM: ppm				Mean Test Assay: ppm

Analyzed By

Courtney Ziecke

Certified By

Jose Vasquez

8970 ppm C<sub>2</sub>H<sub>6</sub>



**CERTIFICATE OF ANALYSIS / EPA PROTOCOL GAS**

**Customer & Order Information**

BEST ENVIRONMENTAL SERVICES  
339 STEALTH CT  
LIVERMORE CA 94551

Certificate Issuance Date: 04/24/2020  
Praxair Order Number: 14021824  
Part Number: EV AIPR285ME-AS  
Customer PO Number: 9077

Fill Date: 04/20/2020  
Lot Number: 70086011114  
Cylinder Style & Outlet: AS CGA 590  
Cylinder Pressure and Volume: 2000 psig 140 ft3

**Certified Concentration**

Expiration Date:	04/24/2028	NIST Traceable
Cylinder Number:	CB12224	Expanded Uncertainty
289 ppm	Propane	± 0.5 %
Balance	Air	

**ProSpec EZ Cert**



**Certification Information:**

Certification Date: 04/24/2020 Term: 96 Months Expiration Date: 04/24/2028

This cylinder was certified according to the 2012 EPA Traceability Protocol, Document #EPA-600/R-12/531, using Procedure G1.  
Do Not Use this Standard if Pressure is less than 100 PSIG.

**Analytical Data:**

(R=Reference Standard, Z=Zero Gas, C=Gas Candidate)

1. Component: Propane  
Requested Concentration: 285 ppm  
Certified Concentration: 289 ppm  
Instrument Used: Horiba FIA-510, 851135122  
Analytical Method: FID Total Hydrocarbon Analyzer  
Last Multipoint Calibration: 04/21/2020

Reference Standard: Type / Cylinder #: GMIS / CC333756  
Concentration / Uncertainty: 503.3 ppm ±0.438%  
Expiration Date: 05/30/2026  
Traceable to: SRM # / Sample # / Cylinder #: SRM 1669b / B1-I-17 / CAL018095  
SRM Concentration / Uncertainty: 492.8 PPM / ±2.0 PPM  
SRM Expiration Date: 08/16/2024

First Analysis Data:				Date			
Z:	0	R:	1350	C:	775	Conc:	289
R:	1349	Z:	0	C:	773	Conc:	288
Z:	0	C:	777	R:	1352	Conc:	290
UOM:	ppm	Mean Test Assay:		289	ppm		

Second Analysis Data:				Date			
Z:	0	R:	0	C:	0	Conc:	0
R:	0	Z:	0	C:	0	Conc:	0
Z:	0	C:	0	R:	0	Conc:	0
UOM:	ppm	Mean Test Assay:			ppm		

Analyzed By: Jose Vasquez

Certified By: Jenna Lockman

*The 289 ppm*



# CERTIFICATE OF ANALYSIS / EPA PROTOCOL GAS

**Customer & Order Information**

BEST ENVIRONMENTAL SERVICES  
339 STEALTH CT  
LIVERMORE CA 94551

Certificate Issuance Date: 03/11/2021  
Praxair Order Number: 36989506  
Part Number: EV AIPR30ME-AS  
Customer PO Number: 6

Fill Date: 02/25/2021  
Lot Number: 70086105605  
Cylinder Style & Outlet: AS CGA 590  
Cylinder Pressure and Volume: 2000 psig 140 ft3

**Certified Concentration**

Expiration Date:	03/10/2029	NIST Traceable
Cylinder Number:	CC506583	Expanded Uncertainty
30.7 ppm	Propane	± 0.1 ppm
Balance	Air	

**ProSpec EZ Cert**



**Certification Information:**

Certification Date: 03/10/2021      Term: 96 Months      Expiration Date: 03/10/2029

This cylinder was certified according to the 2012 EPA Traceability Protocol, Document #EPA-600/R-12/531, using Procedure G1. Uncertainty above is expressed as absolute expanded uncertainty at a level of confidence of approximately 95% with a coverage factor k = 2. Do Not Use this Standard if Pressure is less than 100 PSIG.

**Analytical Data:**

(R=Reference Standard, Z=Zero Gas, C=Gas Candidate)

1. Component: Propane  
Requested Concentration: 30 ppm  
Certified Concentration: 30.7 ppm  
Instrument Used: Horiba FIA-510, 851135122  
Analytical Method: FID Total Hydrocarbon Analyzer  
Last Multipoint Calibration: 03/05/2021

Reference Standard: Type / Cylinder #: GMIS / CC302220  
Concentration / Uncertainty: 50.68 ppm ±0.13 ppm  
Expiration Date: 07/06/2023  
Traceable to: SRM # / Sample # / Cylinder #: SRM 1667b / 83-J-17 / CAL017783  
SRM Concentration (enter with units) / 48.83 ppm / ±0.11 ppm  
SRM Expiration Date: 08/17/2017

First Analysis Data:				Date			
Z:	0	R:	136.8	C:	82.9	Conc:	30.7
R:	136.8	Z:	0	C:	82.8	Conc:	30.7
Z:	0	C:	82.8	R:	136.9	Conc:	30.7
UOM:	ppm		Mean Test Assay:	30.7		ppm	

Second Analysis Data:				Date			
Z:	0	R:	0	C:	0	Conc:	0
R:	0	Z:	0	C:	0	Conc:	0
Z:	0	C:	0	R:	0	Conc:	0
UOM:	ppm		Mean Test Assay:			ppm	

Analyzed By

Jose Vasquez

Certified By

Amalia Real

CH<sub>4</sub>  
92.1 ppm

Project ID: City Mt-View, Micon Turb

BE PROJECT MANAGER: B Johnston

Analytical Lab:

#	DATE	TIME	SAMPLE ID Run#/Method/Fraction/Source	CONTAINER size / type	Volume	Storage Temp °F	Method	ANALYSIS
1	1/24/23	950	S-17, In, R1	Box	10L	Amb	D19452 3580	CH4, NMOC, H2U, Fixed bases 11467
2		1030	R2					↓ BTU, F-factor 11468
3		1110	R3					11469
4		950	S-17, Out, R1				M-10	CH4 11470
5		1030	R2					↓ 11471
6		1110	R3					↓ 11472
8		1212	S-16, In, R1					same as S-17 11437
9		1252	R2					11438
10		1332	R3					11439
11		1212	S-16, Out, R1					11440
12		1252	R2					11441
13		1332	R3					11442

Report all liquid sample volumes.

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Results to: Attn:

BEST ENVIRONMENTAL 339 STEALTH COURT, LIVERMORE CA. 94551

Relinquished by: *WREJ* Received by: *[Signature]* Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 Relinquished by: \_\_\_\_\_ Received by: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 Relinquished by: \_\_\_\_\_ Received by: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

SAMPLE CONDITION AS RECEIVED: OK or not OK



Project ID: Mt. View Flores  
 Analytical Lab: Bev

SAMPLE CHAIN OF CUSTODY

BE PROJECT MANAGER: B Johnston

#	DATE	TIME	SAMPLE ID Run#/Method/Fraction/Source	CONTAINER size / type	Volume	Storage Temp of	Method	ANALYSIS
1	1/25/23	820	Frac 1, Inlet, R1 1st Bag		SL	Amb		HHV, NMOC CH <sub>4</sub> , F-factor 11404
2		900	R2 2nd Bag					Fixed Gases, TRS, Btu 11405
3		941	R3 3rd Bag					11406
5		1029	Frac 2, Inlet, R1 1st Bag					11407
6		1110	R2 2nd Bag					11408
7		1149	R3 3rd Bag					11409
9		1300	Frac 3 Inlet, R1 1st Bag					11410
10		1342	R2 2nd Bag					11411
11		1422	R3 3rd Bag					11412
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								

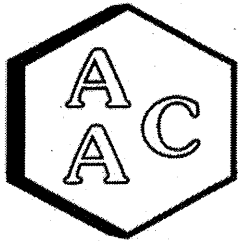
Report & Report all liquid sample volumes.

393

Results to: Attn: BEST ENVIRONMENTAL 339 STEALTH COURT, LIVERMORE CA. 94551

Relinquished by: WRE Received by: [Signature] Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 Relinquished by: \_\_\_\_\_ Received by: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 Relinquished by: \_\_\_\_\_ Received by: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

SAMPLE CONDITION AS RECEIVED: OK or not OK



## Atmospheric Analysis & Consulting, Inc.

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CLIENT : Best Environmental  
PROJECT NAME : Mt View Flare  
AAC PROJECT NO. : 230187 Rev 1  
REPORT DATE : 02/20/2023

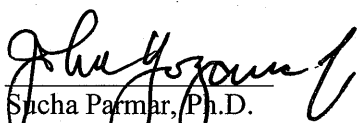
On February 1<sup>st</sup>, 2023, Atmospheric Analysis & Consulting, Inc. received three (3) Six-Liter Summa Canisters for TNMOC analysis by EPA 25C. Upon receipt, the samples were assigned unique Laboratory ID numbers as follows:

Client ID	Lab No.	Return Pressure (mmHg)
Flare 1	230187-40705	787.8
Flare 2	230187-40706	758.3
Flare 3	230187-40707	754.3

This analysis is performed in accordance with AAC's Quality Manual. 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.aacalab.com](http://www.aacalab.com).

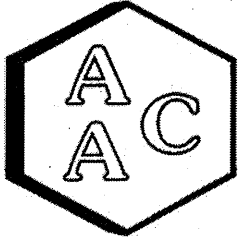
I certify that this data is technically accurate, complete, and in compliance with the terms and conditions of the contract. No problems were encountered during receiving, preparation, and/or analysis of these samples. The Technical Director or his/her designee, as verified by the following signature, 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 5 pages.

*Amended Report 230187 Rev 1 supersedes Original Report 230187. The amended report was issued on 02/20/2023. Per client request, SCAQMD 25.1 Report and EPA 25C Report were reported separately.*



# Atmospheric Analysis & Consulting, Inc

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## Laboratory Analysis Report

Client : Best Environmental  
Project No. : 230187 Rev 1  
Matrix : AIR  
Units : ppmC

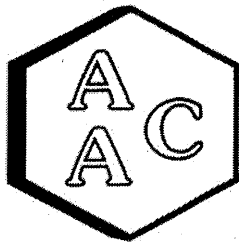
Sampling Date : 01/25/2023  
Receiving Date : 02/01/2023  
Analysis Date : 02/08/2023  
Report Date : 02/20/2023

### EPA 25C

Reporting Limit: 3.0 ppmC		Canister Dilution Factor	Analysis Dilution Factor	TNMOC*	SRL (RL x DF's)
Client Sample ID	AAC ID				
Flare 1	230187-40705	1.3	1.0	623	3.9
Flare 2	230187-40706	1.4	1.0	693	4.1
Flare 3	230187-40707	1.4	1.0	831	4.1

Sample Reporting Limit (SRL) is equal to Reporting Limit x Analysis Dil. Fac x Canister Dil. Fac.

\*Total Non-Methane Organic Carbon



# Atmospheric Analysis & Consulting, Inc

---

## Quality Control/Quality Assurance Report

Analysis Date : 02/08/2023  
 Analyst : CM/KM  
 Units : ppmv

Instrument ID: : GCTCA#2-FID  
 Calibration Date: : 09/12/2022

### I - Opening Calibration Verification Standard - Method 25C

Analyte	xRF	DRF	%RPD*
Propane	123799	120434	2.8

### II - TNMOC Response Factor - Method 25C

Analyte	xRF	CV RF	CV dp RF	CV tp RF	Average RF	% RPD***
Propane	123799	120434	126414	119214	122021	1.4

### III - Method Blank - Method 25C

AAC ID	Analyte	Sample Result
MB	TNMOC	0.00

### IV - Laboratory Control Spike & Duplicate - Method 25C

AAC ID	Analyte	Spike Added	LCS	LCSD	LCS % Rec **	LCSD % Rec **	% RPD***
LCS/LCSD	Propane	50.6	50.60	47.72	100.1	94.4	5.9

### V - Closing Calibration Verification Standard - Method 25C

Analyte	xCF	dCF	%RPD*
Propane	123799	123220	0.5

*xCF - Average Calibration Factor from Initial Calibration Curve*

*dCF - Daily Calibration Factor*

\* Must be <15%

\*\* Must be 90-110 %

\*\*\* Must be <20%

Project ID: Mt View Fleck

Analytical Lab: KRC

SAMPLE CHAIN OF CUSTODY

BE PROJECT MANAGER:

250187

PH (925) 455-9474; FX (925) 455-9479

#	DATE	TIME	SAMPLE ID Run#/Method/Fraction/Source	CONTAINER size / type	Volume	Storage Temp °F	Method	ANALYSIS
1	11/25/23	908	Fleck 1 40705	Sarms	6L	40	MZSC	NA NMOE, TOIS 1-30 P-0
2	↓	1115	Fleck 2 40706	↓	↓	↓	↓	↓
3	↓	1305	Fleck 3 40707	↓	↓	↓	↓	↓
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								

Ord & Report all liquid sample volumes.

Samples are Landfill gas.

Suits to: Attn:

BEST ENVIRONMENTAL 339 STEALTH COURT, LIVERMORE CA. 94551

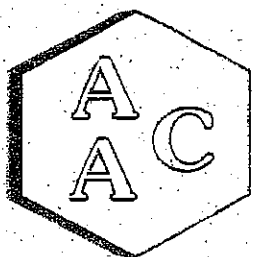
Relinquished by: \_\_\_\_\_ Received by: H Date: 2/1/23 Time: 1041

Relinquished by: \_\_\_\_\_ Received by: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Relinquished by: \_\_\_\_\_ Received by: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

SAMPLE CONDITION AS RECEIVED: OK or not OK

Fx - 4x cans (1x unused) + 1.5x 25.1 calx



## Atmospheric Analysis & Consulting, Inc.

CLIENT : Best Environmental  
PROJECT NAME : Mt. View Flare  
AAC PROJECT NO. : 230187  
REPORT DATE : 02/03/2023

On February 1, 2023, Atmospheric Analysis & Consulting, Inc. received three (3) Six-Liter Summa Canisters for Volatile Organic Compounds analysis by EPA Method TO-15. Upon receipt, the samples were assigned unique Laboratory ID numbers as follows:

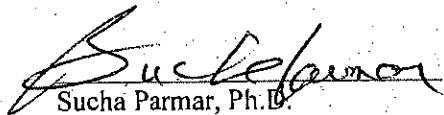
Client ID	Lab ID	Return Pressure (mmHg)
Flare 1	230187-40705	787.8
Flare 2	230187-40706	758.3
Flare 3	230187-40707	754.3

**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.aacalab.com](http://www.aacalab.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.

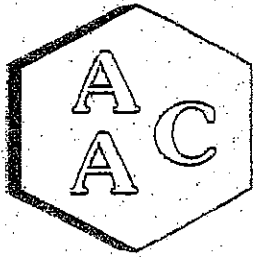
If you have any questions or require further explanation of data results, please contact the undersigned.

  
Sucha Parmar, Ph.D.  
Technical Director

This report consists of 11 pages.

Page 1





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

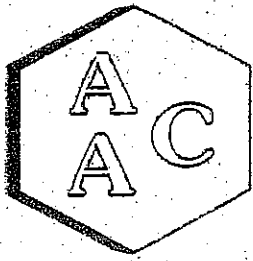
CLIENT : Best Environmental  
 PROJECT NO : 230187  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 02/01/2023  
 DATE REPORTED : 02/03/2023  
 ANALYST : DL/CH

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID	Flare 1			Sample Reporting Limit (SRL)	Flare 2			Sample Reporting Limit (SRL)	Method Reporting Limit (MRL)
	AAC ID	Result	Qualifier		230187-40706	Result	Qualifier		
Date Sampled	230187-40705				01/25/2023				
Date Analyzed	01/25/2023				02/02/2023				
Can Dilution Factor	1.30				1.35				
Compound	Result	Qualifier	Analysis DF	(MRLxDF's)	Result	Qualifier	Analysis DF	(MRLxDF's)	
Chlorodifluoromethane	150		25	16.3	148		25	16.9	0.50
Propene	1690		25	32.6	1670		25	33.8	1.00
Dichlorodifluoromethane	138		25	16.3	133		25	16.9	0.50
Chloromethane	<SRL	U	25	16.3	<SRL	U	25	16.9	0.50
Dichlorotetrafluoroethane	65.2		25	16.3	59.9		25	16.9	0.50
Vinyl Chloride	256		25	16.3	230		25	16.9	0.50
Methanol	273		25	16.3	<SRL	U	25	16.9	5.00
1,3-Butadiene	<SRL	U	25	16.3	<SRL	U	25	16.9	0.50
Bromomethane	<SRL	U	25	16.3	<SRL	U	25	16.9	0.50
Chloroethane	<SRL	U	25	16.3	<SRL	U	25	16.9	0.50
Dichlorofluoromethane	<SRL	U	25	16.3	<SRL	U	25	16.9	0.50
Ethanol	<SRL	U	25	65.2	<SRL	U	25	67.7	2.00
Vinyl Bromide	<SRL	U	25	16.3	<SRL	U	25	16.9	0.50
Acetone	748		25	65.2	729		25	67.7	2.00
Trichlorofluoromethane	<SRL	U	25	16.3	<SRL	U	25	16.9	0.50
2-Propanol (IPA)	82.5		25	65.2	74.4		25	67.7	2.00
Acrylonitrile	<SRL	U	25	16.3	<SRL	U	25	16.9	0.50
1,1-Dichloroethene	<SRL	U	25	16.3	<SRL	U	25	16.9	0.50
Methylene Chloride (DCM)	<SRL	U	25	32.6	<SRL	U	25	33.8	1.00
Allyl Chloride	<SRL	U	25	32.6	<SRL	U	25	33.8	1.00
Carbon Disulfide	<SRL	U	25	65.2	<SRL	U	25	67.7	2.00
Trichlorotrifluoroethane	<SRL	U	25	16.3	<SRL	U	25	16.9	0.50
trans-1,2-Dichloroethene	<SRL	U	25	16.3	<SRL	U	25	16.9	0.50
1,1-Dichloroethane	<SRL	U	25	16.3	<SRL	U	25	16.9	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	25	16.3	<SRL	U	25	16.9	0.50
Vinyl Acetate	<SRL	U	25	32.6	<SRL	U	25	33.8	1.00
2-Butanone (MEK)	555		25	32.6	500		25	33.8	1.00
cis-1,2-Dichloroethene	86.1		25	16.3	78.5		25	16.9	0.50
Hexane	260		25	16.3	262		25	16.9	0.50
Chloroform	<SRL	U	25	16.3	<SRL	U	25	16.9	0.50
Ethyl Acetate	<SRL	U	25	16.3	<SRL	U	25	16.9	0.50
Tetrahydrofuran	212		25	16.3	205		25	16.9	0.50
1,2-Dichloroethane	<SRL	U	25	16.3	<SRL	U	25	16.9	0.50
1,1,1-Trichloroethane	<SRL	U	25	16.3	<SRL	U	25	16.9	0.50
Benzene	351		25	16.3	349		25	16.9	0.50





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : Best Environmental  
 PROJECT NO : 230187  
 MATRIX : AIR  
 UNITS : PPB (v/v)

DATE RECEIVED : 02/01/2023  
 DATE REPORTED : 02/03/2023  
 ANALYST : DL/CH

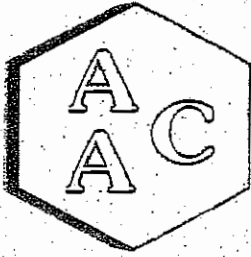
### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID AAC ID	Flare 1			Sample Reporting Limit (SRL) (MRLxDP's)	Flare 2			Sample Reporting Limit (SRL) (MRLxDP's)	Method Reporting Limit (MRL)
	Result	Qualifier	Analysis DF		Result	Qualifier	Analysis DF		
230187-40705									
01/25/2023									
02/02/2023									
1.30									
Compound	Result	Qualifier	Analysis DF	(MRLxDP's)	Result	Qualifier	Analysis DF	(MRLxDP's)	(MRL)
Carbon Tetrachloride	<SRL	U	25	16.3	<SRL	U	25	16.9	0.50
Cyclohexane	58.7		25	16.3	62.9		25	16.9	0.50
1,2-Dichloropropane	<SRL	U	25	16.3	<SRL	U	25	16.9	0.50
Bromodichloromethane	<SRL	U	25	16.3	<SRL	U	25	16.9	0.50
1,4-Dioxane	<SRL	U	25	32.6	<SRL	U	25	33.8	1.00
Trichloroethene (TCE)	30.6		25	16.3	36.9		25	16.9	0.50
2,2,4-Trimethylpentane	21.2		25	16.3	24.7		25	16.9	0.50
Heptane	260		25	16.3	312		25	16.9	0.50
cis-1,3-Dichloropropene	<SRL	U	25	16.3	<SRL	U	25	16.9	0.50
4-Methyl-2-pentanone (MiBK)	64.9		25	16.3	64.9		25	16.9	0.50
trans-1,3-Dichloropropene	<SRL	U	25	16.3	<SRL	U	25	16.9	0.50
1,1,2-Trichloroethane	<SRL	U	25	16.3	<SRL	U	25	16.9	0.50
Toluene	1490		25	16.3	1740		25	16.9	0.50
2-Hexanone (MBK)	<SRL	U	25	32.6	<SRL	U	25	33.8	1.00
Dibromochloromethane	<SRL	U	25	16.3	<SRL	U	25	16.9	0.50
1,2-Dibromoethane	<SRL	U	25	16.3	<SRL	U	25	16.9	0.50
Tetrachloroethene (PCE)	20.2		25	16.3	27.4		25	16.9	0.50
Chlorobenzene	287		25	16.3	382		25	16.9	0.50
Ethylbenzene	1870		25	16.3	2060		25	16.9	0.50
m & p-Xylene	3020		25	32.6	3430		25	33.8	1.00
Bromoform	<SRL	U	25	16.3	<SRL	U	25	16.9	0.50
Styrene	44.3		25	16.3	49.0		25	16.9	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	25	16.3	<SRL	U	25	16.9	0.50
o-Xylene	1180		25	16.3	1320		25	16.9	0.50
4-Ethyltoluene	780		25	16.3	822		25	16.9	0.50
1,3,5-Trimethylbenzene	347		25	16.3	374		25	16.9	0.50
1,2,4-Trimethylbenzene	823		25	16.3	824		25	16.9	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	25	16.3	<SRL	U	25	16.9	0.50
1,3-Dichlorobenzene	<SRL	U	25	16.3	<SRL	U	25	16.9	0.50
1,4-Dichlorobenzene	455		25	16.3	497		25	16.9	0.50
1,2-Dichlorobenzene	<SRL	U	25	16.3	<SRL	U	25	16.9	0.50
1,2,4-Trichlorobenzene	<SRL	U	25	16.3	<SRL	U	25	16.9	0.50
Hexachlorobutadiene	<SRL	U	25	16.3	<SRL	U	25	16.9	0.50
BFB-Surrogate Std. % Recovery		95%				95%			70-130%

U - Compound was not detected at or above the SRL.







# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

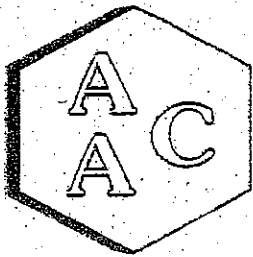
**CLIENT :** Best Environmental  
**PROJECT NO :** 230187  
**MATRIX :** AIR  
**UNITS :** PPB (v/v)

**DATE RECEIVED :** 02/01/2023  
**DATE REPORTED :** 02/03/2023  
**ANALYST :** DL/CH

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

<i>Client ID</i>		<i>Flare 3</i>		<b>Sample Reporting Limit (SRL)</b>	<b>Method Reporting Limit (MRL)</b>
<i>AAC ID</i>		230187-40707			
<i>Date Sampled</i>		01/25/2023			
<i>Date Analyzed</i>		02/02/2023			
<i>Can Dilution Factor</i>		1.36			
<i>Compound</i>	<b>Result</b>	<b>Qualifier</b>	<b>Analysis DF</b>		
Chlorodifluoromethane	159		25	16.9	0.50
Propene	1850		25	33.9	1.00
Dichlorodifluoromethane	130		25	16.9	0.50
Chloromethane	<SRL	U	25	16.9	0.50
Dichlorotetrafluoroethane	65.0		25	16.9	0.50
Vinyl Chloride	306		25	16.9	0.50
Methanol	<SRL	U	25	16.9	5.00
1,3-Butadiene	<SRL	U	25	16.9	0.50
Bromomethane	<SRL	U	25	16.9	0.50
Chloroethane	<SRL	U	25	16.9	0.50
Dichlorofluoromethane	<SRL	U	25	16.9	0.50
Ethanol	<SRL	U	25	67.8	2.00
Vinyl Bromide	<SRL	U	25	16.9	0.50
Acetone	777		25	67.8	2.00
Trichlorofluoromethane	<SRL	U	25	16.9	0.50
2-Propanol (IPA)	77.9		25	67.8	2.00
Acrylonitrile	<SRL	U	25	16.9	0.50
1,1-Dichloroethene	<SRL	U	25	16.9	0.50
Methylene Chloride (DCM)	<SRL	U	25	33.9	1.00
Allyl Chloride	<SRL	U	25	33.9	1.00
Carbon Disulfide	<SRL	U	25	67.8	2.00
Trichlorotrifluoroethane	<SRL	U	25	16.9	0.50
trans-1,2-Dichloroethene	<SRL	U	25	16.9	0.50
1,1-Dichloroethane	<SRL	U	25	16.9	0.50
Methyl Tert Butyl Ether (MTBE)	<SRL	U	25	16.9	0.50
Vinyl Acetate	<SRL	U	25	33.9	1.00
2-Butanone (MEK)	543		25	33.9	1.00
cis-1,2-Dichloroethene	101		25	16.9	0.50
Hexane	319		25	16.9	0.50
Chloroform	<SRL	U	25	16.9	0.50
Ethyl Acetate	<SRL	U	25	16.9	0.50
Tetrahydrofuran	210		25	16.9	0.50
1,2-Dichloroethane	<SRL	U	25	16.9	0.50
1,1,1-Trichloroethane	<SRL	U	25	16.9	0.50
Benzene	409		25	16.9	0.50





# Atmospheric Analysis & Consulting, Inc.

## Laboratory Analysis Report

CLIENT : Best Environmental  
 PROJECT NO : 230187  
 MATRIX : AIR  
 UNITS : PPB (v/v)

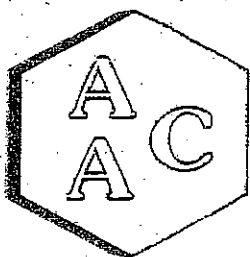
DATE RECEIVED : 02/01/2023  
 DATE REPORTED : 02/03/2023  
 ANALYST : DL/CH

### VOLATILE ORGANIC COMPOUNDS BY EPA TO-15

Client ID		Flare 3		Sample Reporting Limit (SRL) (MRLxDF's)	Method Reporting Limit (MRL)
AAC ID		230187-40707			
Date Sampled		01/25/2023			
Date Analyzed		02/02/2023			
Can Dilution Factor		1.36			
Compound	Result	Qualifier	Analysis DF		
Carbon Tetrachloride	<SRL	U	25	16.9	0.50
Cyclohexane	87.7		25	16.9	0.50
1,2-Dichloropropane	<SRL	U	25	16.9	0.50
Bromodichloromethane	<SRL	U	25	16.9	0.50
1,4-Dioxane	<SRL	U	25	33.9	1.00
Trichloroethene (TCE)	54.2		25	16.9	0.50
2,2,4-Trimethylpentane	39.6		25	16.9	0.50
Heptane	522		25	16.9	0.50
cis-1,3-Dichloropropene	<SRL	U	25	16.9	0.50
4-Methyl-2-pentanone (MIBK)	70.5		25	16.9	0.50
trans-1,3-Dichloropropene	<SRL	U	25	16.9	0.50
1,1,2-Trichloroethane	<SRL	U	25	16.9	0.50
Toluene	2520		25	16.9	0.50
2-Hexanone (MBK)	<SRL	U	25	33.9	1.00
Dibromochloromethane	<SRL	U	25	16.9	0.50
1,2-Dibromoethane	<SRL	U	25	16.9	0.50
Tetrachloroethene (PCE)	50.5		25	16.9	0.50
Chlorobenzene	625		25	16.9	0.50
Ethylbenzene	2610		25	16.9	0.50
m & p-Xylene	4490		25	33.9	1.00
Bromoform	<SRL	U	25	16.9	0.50
Styrene	63.3		25	16.9	0.50
1,1,2,2-Tetrachloroethane	<SRL	U	25	16.9	0.50
o-Xylene	1750		25	16.9	0.50
4-Ethyltoluene	779		25	16.9	0.50
1,3,5-Trimethylbenzene	462		25	16.9	0.50
1,2,4-Trimethylbenzene	967		25	16.9	0.50
Benzyl Chloride (a-Chlorotoluene)	<SRL	U	25	16.9	0.50
1,3-Dichlorobenzene	<SRL	U	25	16.9	0.50
1,4-Dichlorobenzene	653		25	16.9	0.50
1,2-Dichlorobenzene	<SRL	U	25	16.9	0.50
1,2,4-Trichlorobenzene	<SRL	U	25	16.9	0.50
Hexachlorobutadiene	<SRL	U	25	16.9	0.50
BFB-Surrogate Std. % Recovery		93%			70-130%

U - Compound was not detected at or above the SRL.





# Atmospheric Analysis & Consulting, Inc.

## QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 02/02/2023

MATRIX : High Purity N<sub>2</sub>

UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-02

CALIBRATION STD ID : MS1-111822-01

ANALYST : CH/DL

### VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Continuing Calibration Verification of the 11/21/2022 Calibration

Analyte Compounds	Source <sup>1</sup>	CCV <sup>2</sup>	% Recovery <sup>3</sup>
4-BFB (surrogate standard)	9.60	8.85	92
Chlorodifluoromethane	10.40	10.78	104
Propene	10.60	9.67	91
Dichlorodifluoromethane	10.40	11.16	107
Dimethyl Ether	10.20	9.78	96
Chloromethane	10.40	9.93	95
Dichlorotetrafluoroethane	10.30	10.56	103
Vinyl Chloride	10.50	10.36	99
Acetaldehyde	21.10	21.52	102
Methanol	18.80	17.94	95
1,3-Butadiene	10.60	9.97	94
Bromomethane	10.40	10.44	100
Chloroethane	10.30	9.95	97
Dichlorofluoromethane	10.20	10.84	106
Ethanol	11.20	10.74	96
Vinyl Bromide	10.10	9.59	95
Acrolein	11.10	10.00	90
Acetone	10.60	10.54	99
Trichlorofluoromethane	10.50	10.74	102
2-Propanol (IPA)	11.00	10.57	96
Acrylonitrile	11.20	10.29	92
1,1-Dichloroethene	10.40	9.82	94
Methylene Chloride (DCM)	10.50	10.26	98
TertButanol (TBA)	11.10	11.23	101
Allyl Chloride	10.20	9.72	95
Carbon Disulfide	10.50	10.25	98
Trichlorotrifluoroethane	10.40	10.08	97
trans-1,2-Dichloroethene	10.60	9.65	91
1,1-Dichloroethane	10.50	10.45	100
Methyl Tert Butyl Ether (MTBE)	10.50	8.04	77
Vinyl Acetate	11.00	10.17	92
2-Butanone (MEK)	10.60	9.30	88
cis-1,2-Dichloroethene	10.50	10.02	95
Hexane	10.70	9.43	88
Chloroform	10.60	10.12	95
Ethyl Acetate	10.60	9.71	92
Tetrahydrofuran	10.20	9.38	92
1,2-Dichloroethane	10.50	9.61	92
1,1,1-Trichloroethane	10.40	9.46	91
Benzene	10.60	10.31	97
Carbon Tetrachloride	10.20	9.30	91
Cyclohexane	10.50	9.83	94

Analyte Compounds (Continued)	Source <sup>1</sup>	CCV <sup>2</sup>	% Recovery <sup>3</sup>	
1,2-Dichloropropane	10.50	10.76	102	
Bromodichloromethane	10.40	10.14	98	
1,4-Dioxane	10.40	10.17	98	
Trichloroethene (TCE)	10.40	9.31	90	
2,2,4-Trimethylpentane	10.00	10.17	102	
Methyl Methacrylate	11.00	10.51	96	
Heptane	10.50	10.19	97	
cis-1,3-Dichloropropene	10.40	9.99	96	
4-Methyl-2-pentanone (MIBK)	10.40	10.29	99	
trans-1,3-Dichloropropene	10.50	9.94	95	
1,1,2-Trichloroethane	10.50	10.09	96	
Toluene	10.60	10.28	97	
2-Hexanone (MBK)	10.50	10.38	99	
Dibromochloromethane	10.30	9.70	94	
1,2-Dibromoethane	10.60	10.11	95	
Tetrachloroethene (PCE)	10.40	9.67	93	
Chlorobenzene	10.60	9.99	94	
Ethylbenzene	10.50	10.58	101	
m & p-Xylene	21.00	20.92	100	
Bromoform	10.50	10.59	101	
Styrene	10.50	10.57	101	
1,1,2,2-Tetrachloroethane	10.50	11.75	112	
o-Xylene	10.50	10.83	103	
1,2,3-Trichloropropane	11.00	10.18	93	
Isopropylbenzene (Cumene)	10.30	10.53	102	
α-Pinene	10.70	8.53	80	
2-Chlorotoluene	10.30	10.11	98	
n-Propylbenzene	10.10	11.02	109	
4-Ethyltoluene	10.30	11.07	107	
1,3,5-Trimethylbenzene	10.30	10.17	99	
β-Pinene	LR	11.00	4.30	39
1,2,4-Trimethylbenzene	10.30	10.45	101	
Benzyl Chloride (α-Chlorotoluene)	10.40	9.21	89	
1,3-Dichlorobenzene	10.40	10.84	104	
1,4-Dichlorobenzene	10.30	10.85	105	
Sec-Butylbenzene	10.10	10.45	103	
1,2-Dichlorobenzene	10.60	10.75	101	
n-Butylbenzene	10.20	10.81	106	
1,2-Dibromo-3-Chloropropane	10.10	9.86	98	
1,2,4-Trichlorobenzene	11.00	11.34	103	
Naphthalene	11.50	11.34	99	
Hexachlorobutadiene	11.00	11.60	105	

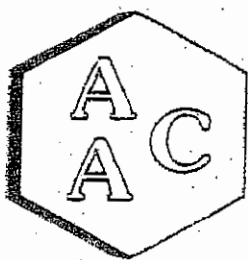
<sup>1</sup> Concentration of analyte compound in certified source standard.

<sup>2</sup> Measured result from daily Continuing Calibration Verification (CCV).

<sup>3</sup> The acceptable range for analyte recovery is 100±30%.

LR - Recovery for this compound was low. Results should be considered estimated.





# Atmospheric Analysis & Consulting, Inc.

## QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 02/02/2023

MATRIX : High Purity N<sub>2</sub>

UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-02

CALIBRATION STD ID : MSI-111822-01

ANALYST : CH/DL

### VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Laboratory Control Spike Analysis

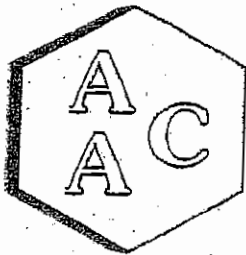
System Monitoring Compounds	Sample Concentration	Spike Added	LCS <sup>1</sup> Recovery	LCSD <sup>1</sup> Recovery	LCS <sup>1</sup> % Recovery <sup>2</sup>	LCSD <sup>1</sup> % Recovery <sup>2</sup>	RPD <sup>3</sup>
4-BFB (surrogate standard)	0.0	9.60	8.85	8.82	92	92	0.3
1,1-Dichloroethene	0.0	10.40	9.82	10.03	94	96	2.1
Methylene Chloride (DCM)	0.0	10.50	10.26	10.35	98	99	0.9
Benzene	0.0	10.60	10.31	10.11	97	95	2.0
Trichloroethene (TCE)	0.0	10.40	9.31	9.23	90	89	0.9
Toluene	0.0	10.60	10.28	10.32	97	97	0.4
Tetrachloroethene (PCE)	0.0	10.40	9.67	9.55	93	92	1.2
Chlorobenzene	0.0	10.60	9.99	9.68	94	91	3.2
Ethylbenzene	0.0	10.50	10.58	10.45	101	100	1.2
m & p-Xylene	0.0	21.00	20.92	20.64	100	98	1.3
o-Xylene	0.0	10.50	10.83	10.85	103	103	0.2

<sup>1</sup> Laboratory Control Spike (LCS) / Laboratory Control Spike Duplicate (LCSD)

<sup>2</sup> The acceptable range for analyte recovery is 100±30%.

<sup>3</sup> Relative Percent Difference (RPD) between LCS recovery and LCSD recovery (acceptable range is <25%).





# Atmospheric Analysis & Consulting, Inc.

## QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 02/02/2023

INSTRUMENT ID : GC/MS-02

MATRIX : High Purity He or N<sub>2</sub>

ANALYST : CH/DL

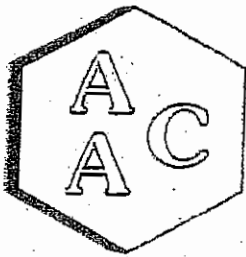
UNITS : PPB (v/v)

### VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Method Blank Analysis

Analyte Compounds	MB 020223	Reporting Limit (RL)	Analyte Compounds (Continued)	MB 020223	Reporting Limit (RL)
4-BFB (surrogate standard)	84%	100±30%	1,2-Dichloropropane	<RL	0.5
Chlorodifluoromethane	<RL	0.5	Bromodichloromethane	<RL	0.5
Propene	<RL	1.0	1,4-Dioxane	<RL	1.0
Dichlorodifluoromethane	<RL	0.5	Trichloroethene (TCE)	<RL	0.5
Dimethyl Ether	<RL	0.5	2,2,4-Trimethylpentane	<RL	0.5
Chloromethane	<RL	0.5	Methyl Methacrylate	<RL	0.5
Dichlorotetrafluoroethane	<RL	0.5	Heptane	<RL	0.5
Vinyl Chloride	<RL	0.5	cis-1,3-Dichloropropene	<RL	0.5
Acetaldehyde	<RL	5.0	4-Methyl-2-pentanone (MIBK)	<RL	0.5
Methanol	<RL	5.0	trans-1,3-Dichloropropene	<RL	0.5
1,3-Butadiene	<RL	0.5	1,1,2-Trichloroethane	<RL	0.5
Bromomethane	<RL	0.5	Toluene	<RL	0.5
Chloroethane	<RL	0.5	2-Hexanone (MBK)	<RL	1.0
Dichlorofluoromethane	<RL	0.5	Dibromochloromethane	<RL	0.5
Ethanol	<RL	2.0	1,2-Dibromoethane	<RL	0.5
Vinyl Bromide	<RL	0.5	Tetrachloroethene (PCE)	<RL	0.5
Acrolein	<RL	1.0	Chlorobenzene	<RL	0.5
Acetone	<RL	2.0	Ethylbenzene	<RL	0.5
Trichlorofluoromethane	<RL	0.5	m & p-Xylene	<RL	1.0
2-Propanol (IPA)	<RL	2.0	Bromoform	<RL	0.5
Acrylonitrile	<RL	0.5	Styrene	<RL	0.5
1,1-Dichloroethene	<RL	0.5	1,1,2,2-Tetrachloroethane	<RL	0.5
Methylene Chloride (DCM)	<RL	1.0	o-Xylene	<RL	0.5
TertButanol (TBA)	<RL	0.5	1,2,3-Trichloropropane	<RL	0.5
Allyl Chloride	<RL	1.0	Isopropylbenzene (Cumene)	<RL	0.5
Carbon Disulfide	<RL	2.0	α-Pinene	<RL	1.0
Trichlorotrifluoroethane	<RL	0.5	2-Chlorotoluene	<RL	0.5
trans-1,2-Dichloroethene	<RL	0.5	n-Propylbenzene	<RL	0.5
1,1-Dichloroethane	<RL	0.5	4-Ethyltoluene	<RL	0.5
Methyl Tert Butyl Ether (MTBE)	<RL	0.5	1,3,5-Trimethylbenzene	<RL	0.5
Vinyl Acetate	<RL	1.0	β-Pinene	<RL	2.0
2-Butanone (MEK)	<RL	1.0	1,2,4-Trimethylbenzene	<RL	0.5
cis-1,2-Dichloroethene	<RL	0.5	Benzyl Chloride (α-Chlorotoluene)	<RL	0.5
Hexane	<RL	0.5	1,3-Dichlorobenzene	<RL	0.5
Chloroform	<RL	0.5	1,4-Dichlorobenzene	<RL	0.5
Ethyl Acetate	<RL	0.5	Sec-Butylbenzene	<RL	0.5
Tetrahydrofuran	<RL	0.5	1,2-Dichlorobenzene	<RL	0.5
1,2-Dichloroethane	<RL	0.5	n-Butylbenzene	<RL	0.5
1,1,1-Trichloroethane	<RL	0.5	1,2-Dibromo-3-Chloropropane	<RL	0.5
Benzene	<RL	0.5	1,2,4-Trichlorobenzene	<RL	0.5
Carbon Tetrachloride	<RL	0.5	Naphthalene	<RL	1.0
Cyclohexane	<RL	0.5	Hexachlorobutadiene	<RL	0.5





# Atmospheric Analysis & Consulting, Inc.

## QUALITY CONTROL / QUALITY ASSURANCE REPORT

ANALYSIS DATE : 02/02/2023  
 MATRIX : Air  
 UNITS : PPB (v/v)

INSTRUMENT ID : GC/MS-02  
 ANALYST : CH/DL  
 DILUTION FACTOR<sup>1</sup> : x1.36

### VOLATILE ORGANIC COMPOUNDS BY EPA METHOD TO-15

Duplicate Analysis of AAC Sample ID: 230174-40657

Analyte Compounds	Sample	Duplicate	RPD <sup>2</sup>
4-BFB (surrogate standard)	8.25	8.17	1.0
Chlorodifluoromethane	<SRL	<SRL	NA
Propene	<SRL	<SRL	NA
Dichlorodifluoromethane	<SRL	<SRL	NA
Dimethyl Ether	0.72	0.82	12.4
Chloromethane	<SRL	<SRL	NA
Dichlorotetrafluoroethane	<SRL	<SRL	NA
Vinyl Chloride	<SRL	<SRL	NA
Acetaldehyde	<SRL	<SRL	NA
Methanol	11.3	11.1	1.7
1,3-Butadiene	<SRL	<SRL	NA
Bromomethane	<SRL	<SRL	NA
Chloroethane	<SRL	<SRL	NA
Dichlorofluoromethane	<SRL	<SRL	NA
Ethanol	4.31	3.76	13.5
Vinyl Bromide	<SRL	<SRL	NA
Acrolein	<SRL	<SRL	NA
Acetone	6.62	6.77	2.2
Trichlorofluoromethane	<SRL	<SRL	NA
2-Propanol (IPA)	<SRL	<SRL	NA
Acrylonitrile	<SRL	<SRL	NA
1,1-Dichloroethene	<SRL	<SRL	NA
Methylene Chloride (DCM)	<SRL	<SRL	NA
TertButanol (TBA)	<SRL	<SRL	NA
Allyl Chloride	<SRL	<SRL	NA
Carbon Disulfide	<SRL	<SRL	NA
Trichlorotrifluoroethane	<SRL	<SRL	NA
trans-1,2-Dichloroethene	<SRL	<SRL	NA
1,1-Dichloroethane	<SRL	<SRL	NA
Methyl Tert Butyl Ether (MTBE)	<SRL	<SRL	NA
Vinyl Acetate	<SRL	<SRL	NA
2-Butanone (MEK)	<SRL	<SRL	NA
cis-1,2-Dichloroethene	<SRL	<SRL	NA
Hexane	<SRL	<SRL	NA
Chloroform	<SRL	<SRL	NA
Ethyl Acetate	<SRL	<SRL	NA
Tetrahydrofuran	<SRL	<SRL	NA
1,2-Dichloroethane	<SRL	<SRL	NA
1,1,1-Trichloroethane	<SRL	<SRL	NA
Benzene	<SRL	<SRL	NA
Carbon Tetrachloride	<SRL	<SRL	NA
Cyclohexane	<SRL	<SRL	NA

Analyte Compounds (Continued)	Sample	Duplicate	RPD <sup>2</sup>
1,2-Dichloropropane	<SRL	<SRL	NA
Bromodichloromethane	<SRL	<SRL	NA
1,4-Dioxane	<SRL	<SRL	NA
Trichloroethene (TCE)	<SRL	<SRL	NA
2,2,4-Trimethylpentane	<SRL	<SRL	NA
Methyl Methacrylate	<SRL	<SRL	NA
Heptane	<SRL	<SRL	NA
cis-1,3-Dichloropropene	<SRL	<SRL	NA
4-Methyl-2-pentanone (MIBK)	<SRL	<SRL	NA
trans-1,3-Dichloropropene	<SRL	<SRL	NA
1,1,2-Trichloroethane	<SRL	<SRL	NA
Toluene	2.77	2.77	0.0
2-Hexanone (MBK)	<SRL	<SRL	NA
Dibromochloromethane	<SRL	<SRL	NA
1,2-Dibromoethane	<SRL	<SRL	NA
Tetrachloroethene (PCE)	<SRL	<SRL	NA
Chlorobenzene	<SRL	<SRL	NA
Ethylbenzene	<SRL	<SRL	NA
m & p-Xylene	<SRL	<SRL	NA
Bromoform	<SRL	<SRL	NA
Styrene	<SRL	<SRL	NA
1,1,2,2-Tetrachloroethane	<SRL	<SRL	NA
o-Xylene	<SRL	<SRL	NA
1,2,3-Trichloropropane	<SRL	<SRL	NA
Isopropylbenzene (Cumene)	<SRL	<SRL	NA
α-Pinene	<SRL	<SRL	NA
2-Chlorotoluene	<SRL	<SRL	NA
n-Propylbenzene	<SRL	<SRL	NA
4-Ethyltoluene	<SRL	<SRL	NA
1,3,5-Trimethylbenzene	<SRL	<SRL	NA
β-Pinene	<SRL	<SRL	NA
1,2,4-Trimethylbenzene	<SRL	<SRL	NA
Benzyll Chloride (n-Chlorotoluene)	<SRL	<SRL	NA
1,3-Dichlorobenzene	<SRL	<SRL	NA
1,4-Dichlorobenzene	<SRL	<SRL	NA
Sec-Butylbenzene	<SRL	<SRL	NA
1,2-Dichlorobenzene	<SRL	<SRL	NA
n-Butylbenzene	<SRL	<SRL	NA
1,2-Dibromo-3-Chloropropane	<SRL	<SRL	NA
1,2,4-Trichlorobenzene	<SRL	<SRL	NA
Naphthalene	<SRL	<SRL	NA
Hexachlorobutadiene	<SRL	<SRL	NA

<sup>1</sup> Dilution factor is the product of the Canister Dilution Factor and the Analysis Dilution Factor.

<sup>2</sup> Relative Percent Difference (RPD) between Sample analysis and Duplicate analysis (acceptable range is <25%).

SRL - Sample Reporting Limit (minimum)



Project ID: **MT View Flare**

SAMPLE CHAIN OF CUSTODY

BE PROJECT MANAGER:

250187

Analytical Lab: **ATC**

#	DATE	TIME	SAMPLE ID Run#/Method/Fraction/Source	CONTAINER Size / type	Volume	Storage Temp °F	Method	ANALYSIS
1	1/25/23	900	Flare 1 40705	Summs	6L	400	M2SC	NA NMOG, TO15 1-30 f-d
2		1115	Flare 2 40706	↓	↓	↓	TO15	
3		1305	Flare 3 40707	↓	↓	↓		
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								

rd & Report all liquid sample volumes.

Samples are land fill gas.

Suits to: Attn:

BEST ENVIRONMENTAL 339 STEALTH COURT, LYVERMORE CA 94551

Relinquished by: \_\_\_\_\_ Received by: H Date: 2/1/23 Time: 1041  
 Relinquished by: \_\_\_\_\_ Received by: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 Relinquished by: \_\_\_\_\_ Received by: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

SAMPLE CONDITION AS RECEIVED: OK or not OK

FX - 4x cans (1x universal) + 1.5x 25.1 sets

**APPENDIX C**  
**FIELD DATA SHEETS**



CEMS CALIBRATION SHEET

Facility: City MtView Landfill Date: 1-24-23 Personnel: BJ & BK

Location: Flare + SPS - Micro turbine Barometric Pressure: 30.25

	O <sub>2</sub>	CO <sub>2</sub>	NOx	CO	THC	Comments
Analyzer	CAI 110	Rosemount	CAI 600	Teco	CAI 300	
Range	21.08	17.79	45.2	94.21	100	
Cal Value (low)					27.18	
Cyl. #					CC 26525	
Expiration					4-25-27	
Cal Value (mid)	9.08	11.54	22.0	43.8	43.5	
Cyl. #	CC155917 DT40765	DT40765	DT40660	Mid O <sub>2</sub>	DT42922	
Expiration	12-7-30 09/23/30	09/23/30	8-24-25		6-21-30	NO2
Cal Value (Hi)	21.08	17.79	45.2	94.41	92.1	5.979
Cyl. #	EB152935	EB152935	CC 155335	Hi O <sub>2</sub>	CC 506583	CC503193
Expiration	11/15/30	11/15/30	9-16-25		3-10-29	1/6/2024

Flare  
S-17

SPS  
S-16

	Start	Stop
Run 1	950	1020
Run 2	1030	1100
Run 3	1110	1140
	1212	1242
	1252	1322
	1332	1402

	KW OUT	KW GEN
	64.5	70.2
	62.6	68.2
	61.7	67.2
	63.5	69.3
	61.3	67.3
	61.1	67.0

Leak Check: 0

Heated Line Temp (F): ~250

**Calculations**  
 % Linearity (Limit ± 2%) = 100 \*  $\frac{\text{Span Value} - \text{Internal cal}}{\text{Span Range}}$

Zero and Calibration Drift = 100 x  $\frac{(\text{Cfb} - \text{Cib})}{\text{range}}$   
 Cbcal =  $\frac{(\text{Cib} + \text{Cfb})}{2}$  for cal gas

Jason Beane (Mt. View)

DAS CONTINUOUS EMISSIONS MONITORING DATA SHEET

Facility: CityMt View  
 Location: Microturbines S16 & 17  
 Observers: \_\_\_\_\_  
 Expected Run Time = 30 min

Run #: \_\_\_\_\_ CEC  
 Barometric: 30.25  
 Personnel: BJ/BK  
 Std. Temp: 70

Date: 01/24/23  
 Leak ✓ : OK  
 Strat. ✓ : OK

Cylinder #s: \_\_\_\_\_

Analyte	O2	NOx	CO	THC				
Analyzer	CAI 110P	600CLD	48i	CAI300				
Range	21.08	45.20	94.40	100.00				
Span Value	9.08	22.00	43.80	43.50				
Time		Comments:						
9:10	0.00	0.02	-0.05	0.19				
9:11	<b>0.01</b>	<b>0.00</b>	<b>-0.05</b>	0.19				<i>Unit #</i>
9:12	14.05	0.00	35.80	3.45				
9:13	21.13	0.01	93.99	4.54				
9:14	21.12	0.00	94.74	4.60				<i>Operating Conditions</i>
9:15	<b>21.12</b>	0.00	<b>94.67</b>	4.69				
9:16	10.69	0.00	67.69	2.73				
9:17	9.06	0.00	44.52	2.55				<i>Fuel</i>
9:18	9.06	0.01	44.05	2.55				
9:19	<b>9.05</b>	0.00	<b>44.04</b>	2.55				
9:20	0.82	37.06	17.26	0.37				
9:21	-0.03	45.08	-0.32	0.33				
9:22	-0.03	<b>45.23</b>	-0.32	0.34				
9:23	0.52	25.54	-0.32	0.35				
9:24	-0.04	22.11	-0.33	0.32				
9:25	-0.04	<b>22.07</b>	-0.34	0.34				
9:26	0.09	8.39	-0.28	<b>0.39</b>				
9:27	0.06	5.47	-0.34	0.30				
9:28	0.06	<b>5.44</b>	-0.35	0.29				Nox Converter
9:29	13.75	1.41	1.25	64.23				
9:30	20.86	0.00	-0.34	92.21				
9:31	20.85	0.00	-0.37	91.72				
9:32	20.85	0.00	-0.36	<b>91.77</b>				
9:33	20.89	0.00	-0.36	42.67				
9:34	20.91	0.00	-0.37	27.99				
9:35	20.90	0.00	-0.36	<b>27.78</b>				
9:36	20.82	0.01	3.64	37.54				
9:37	20.85	0.00	-0.34	43.43				
9:38	20.84	0.01	-0.34	<b>43.43</b>				

DAS CONTINUOUS EMISSIONS MONITORING DATA SHEET

Facility: CityMt View  
 Location: Microturbines S17  
 Observers: \_\_\_\_\_  
 Expected Run Time = 30 min

Run #: 1  
 Barometric: 30.25  
 Personnel: BJ/BK  
 Std. Temp: 70

Date: 01/24/23  
 Leak ✓ : OK  
 Strat. ✓ : OK

Cylinder #s: \_\_\_\_\_

Analyte	O2	NOx	CO	THC				
Analyzer	CAI 110P	600CLD	48i	CAI300				
Range	21.08	45.20	94.40	100.00				
Span Value	9.08	22.00	43.80	43.50				
Time					Comments:			
	9:50	16.95	1.18	47.13	10.06			
	9:51	16.95	1.18	47.80	10.33			
	9:52	16.94	1.19	46.86	9.89			3 pt traverse
	9:53	16.95	1.12	48.74	10.43			
	9:54	16.94	1.16	46.86	9.83			
	9:55	16.94	1.19	46.39	9.82			
	9:56	16.94	1.16	47.23	10.00			
	9:57	16.94	1.17	47.05	9.61			
	9:58	16.93	1.19	47.29	9.48			
	9:59	16.93	1.18	46.51	9.35			
	10:00	16.93	1.20	45.70	8.97			
	10:01	16.93	1.18	46.75	9.29			
	10:02	16.93	1.17	46.82	9.62			
	10:03	16.93	1.18	47.78	9.38			
	10:04	16.93	1.24	47.39	9.32			
	10:05	16.93	1.18	46.73	9.41			
	10:06	16.93	1.20	47.10	9.51			
	10:07	16.93	1.16	47.81	9.64			
	10:08	16.93	1.20	47.72	9.60			
	10:09	16.93	1.20	47.80	9.38			
	10:10	16.92	1.16	47.17	9.45			
	10:11	16.93	1.15	47.42	9.45			
	10:12	16.93	1.15	47.43	9.42			
	10:13	16.93	1.16	46.92	8.82			
	10:14	16.93	1.20	46.55	8.75			
	10:15	16.93	1.16	47.09	9.49			
	10:16	16.93	1.14	47.82	9.88			
	10:17	16.94	1.11	51.31	10.75			
	10:18	16.93	1.17	50.11	9.68			
	10:19	16.92	1.22	48.97	9.68			
ZERO I	9:45	-0.09	0.00	-0.39	0.20			
SPAN I	9:46	8.99	22.01	43.82	43.03			
Average		16.93	1.18	47.47	9.61			
ZERO f	10:25	-0.07	0.02	-0.48	0.34			
SPAN f	10:26	8.94	21.98	43.69	44.04			
Zero Drift %		0.1%	0.0%	-0.1%	0.1%			
Span Drift %		-0.2%	-0.1%	-0.1%	1.0%			
Corr. Avg.		17.08	1.16	47.49	9.39			

Corrected Average = [Test Avg. - ((Zi+Zf) / 2)] \* Span Gas Value / [((Si+Sf) / 2) - ((Zi+Zf) / 2)]

Zero Drift % = 100 \* (Zf - Zi) / Instrument Range

Span Drift % = 100 \* (Sf - Si) / Instrument Range

DAS CONTINUOUS EMISSIONS MONITORING DATA SHEET

Facility: CityMt View  
 Location: Microturbines S17  
 Observers: \_\_\_\_\_  
 Expected Run Time = 30 min

Run #: 2  
 Barometric: 30.25  
 Personnel: BJ/BK  
 Std. Temp: 70

Date: 01/24/23  
 Leak ▼ : OK  
 Strat. ▼ : OK

Cylinder #s: \_\_\_\_\_

Analyte	O2	NOx	CO	THC				
Analyzer	CAI 110P	600CLD	48i	CAI300				
Range	21.08	45.20	94.40	100.00				
Span Value	9.08	22.00	43.80	43.50				
Time					Comments:			
	10:30	16.97	1.17	44.19	8.91			
	10:31	16.98	1.11	48.16	10.30			Unit #
	10:32	16.98	1.07	50.40	10.29			
	10:33	16.99	1.10	49.59	10.50			
	10:34	16.98	1.12	49.85	10.32			Operating Conditions
	10:35	16.98	1.13	49.62	10.36			
	10:36	16.98	1.17	52.10	10.80			
	10:37	16.97	1.11	47.88	9.02			Fuel
	10:38	16.98	1.13	48.15	9.83			
	10:39	16.97	1.10	47.71	8.78			
	10:40	16.97	1.13	45.09	8.57			
	10:41	16.97	1.12	46.67	9.49			
	10:42	16.99	1.08	53.14	11.48			
	10:43	16.98	1.09	53.36	10.82			
	10:44	16.97	1.12	49.49	9.79			
	10:45	16.98	1.06	49.88	9.88			
	10:46	16.98	1.07	51.26	10.79			
	10:47	16.97	1.14	50.44	9.53			
	10:48	16.97	1.11	49.93	10.00			
	10:49	16.97	1.17	50.21	9.69			
	10:50	16.97	1.13	49.06	9.29			
	10:51	16.97	1.15	49.07	8.53			
	10:52	16.95	1.22	43.38	7.42			
	10:53	16.95	1.18	43.54	7.65			
	10:54	16.96	1.11	45.59	8.54			
	10:55	16.96	1.08	51.93	10.03			
	10:56	16.96	1.11	50.73	9.27			
	10:57	16.96	1.16	50.26	9.18			
	10:58	16.95	1.12	49.18	8.39			
	10:59	16.95	1.15	42.02	6.92			
ZERO I	10:25	-0.07	0.02	-0.48	0.34			
SPAN I	10:26	8.94	21.98	43.69	44.04			
Average		16.97	1.12	48.73	9.48			
ZERO f	11:05	-0.08	0.00	-0.56	-0.04			
SPAN f	11:06	8.96	22.12	43.38	42.56			
Zero Drift %		0.0%	0.0%	-0.1%	-0.4%			
Span Drift %		0.1%	0.3%	-0.3%	-1.5%			
Corr. Avg.		17.15	1.11	48.96	9.40			

Corrected Average = [Test Avg. - ((Zi+Zf) / 2)] \* Span Gas Value / [((Si+Sf) / 2) - ((Zi+Zf) / 2)]

Zero Drift % = 100 \* (Zf - Zi) / Instrument Range

Span Drift % = 100 \* (Sf - Si) / Instrument Range

DAS CONTINUOUS EMISSIONS MONITORING DATA SHEET

Facility: CityMt View  
 Location: Microturbines S17  
 Observers: \_\_\_\_\_  
 Expected Run Time = 30 min

Run #: 3  
 Barometric: 30.25  
 Personnel: BJ/BK  
 Std. Temp: 70

Date: 01/24/23  
 Leak ✓ : OK  
 Strat. ✓ : OK

Cylinder #s: \_\_\_\_\_

Analyte	O2	NOx	CO	THC				
Analyzer	CAI 110P	600CLD	48i	CAI300				
Range	21.08	45.20	94.40	100.00				
Span Value	9.08	22.00	43.80	43.50				
Time					Comments:			
	11:10	16.96	1.09	50.13	10.78			
	11:11	16.96	1.10	49.57	10.38			Unit #
	11:12	16.96	1.10	50.40	11.02			
	11:13	16.96	1.00	52.34	11.34			
	11:14	16.97	1.05	51.25	11.01			Operating Conditions
	11:15	16.98	1.07	53.27	11.87			
	11:16	16.97	1.08	52.10	11.04			
	11:17	16.96	1.12	50.65	10.15			Fuel
	11:18	16.97	1.12	49.24	10.22			
	11:19	16.97	1.08	50.41	10.46			
	11:20	16.97	1.14	50.19	10.51			
	11:21	16.97	1.12	51.60	11.41			
	11:22	16.97	1.10	53.25	11.03			
	11:23	16.96	1.14	51.04	10.67			
	11:24	16.97	1.11	53.25	11.82			
	11:25	16.96	1.04	53.86	11.05			
	11:26	16.96	1.07	51.56	10.68			
	11:27	16.97	1.04	51.26	11.47			
	11:28	16.96	1.06	53.17	11.05			
	11:29	16.97	1.02	54.94	12.05			
	11:30	16.96	1.06	53.11	11.08			
	11:31	16.96	1.08	51.82	10.86			
	11:32	16.96	1.06	52.95	11.27			
	11:33	16.96	1.08	52.43	11.03			
	11:34	16.95	1.13	53.48	11.14			
	11:35	16.96	1.08	52.43	11.49			
	11:36	16.96	1.08	54.65	11.29			
	11:37	16.96	1.10	54.39	11.85			
	11:38	16.96	1.05	54.97	11.49			
	11:39	16.96	1.03	53.67	11.96			
ZERO I	11:05	-0.08	0.00	-0.56	-0.04			
SPAN I	11:06	8.96	22.12	43.38	42.56			
Average		16.96	1.08	52.25	11.12			
ZERO f	11:46	-0.09	0.00	-0.65	0.19			
SPAN f	11:48	8.94	22.32	43.05	42.99			
Zero Drift %		0.0%	0.0%	-0.1%	0.2%			
Span Drift %		-0.1%	0.5%	-0.4%	0.4%			
Corr. Avg.		17.14	1.07	52.82	11.25			

Corrected Average = [(Test Avg. - ((Zi+Zf) / 2)) \* Span Gas Value / (((Si+Sf) / 2) - ((Zi+Zf) / 2))]

Zero Drift % = 100 \* (Zf - Zi) / Instrument Range

Span Drift % = 100 \* (Sf - Si) / Instrument Range

DAS CONTINUOUS EMISSIONS MONITORING DATA SHEET

Facility: CityMt View  
 Location: Microturbines S16  
 Observers: \_\_\_\_\_  
 Expected Run Time = 30 min  
 Cylinder #s: \_\_\_\_\_

Run #: 1  
 Barometric: 30.25  
 Personnel: BJ/BK  
 Std. Temp: 70

Date: 01/24/23  
 Leak ✓: OK  
 Strat. ✓: OK

Analyte	O2	NOx	CO	THC			
Analyzer	CAI 110P	600CLD	48i	CAI300			
Range	21.08	45.20	94.40	100.00			
Span Value	9.08	22.00	43.80	43.50			
Time	Comments:						
12:12	16.93	1.00	24.22	4.48			
12:13	16.93	0.98	24.78	4.66			
12:14	16.93	0.94	25.59	4.67			
12:15	16.93	0.95	25.17	4.79			3 pt traverse
12:16	16.92	0.98	25.78	4.60			
12:17	16.92	0.98	24.36	4.53			
12:18	16.93	1.00	25.15	4.66			
12:19	16.94	0.92	26.66	5.17			
12:20	16.93	0.92	27.41	5.01			
12:21	16.93	0.96	27.06	5.05			
12:22	16.94	0.90	27.77	5.32			
12:23	16.94	0.93	29.60	5.38			
12:24	16.94	0.95	28.55	5.38			
12:25	16.94	0.92	29.92	5.45			
12:26	16.93	0.91	27.87	4.93			
12:27	16.93	0.96	26.63	4.81			
12:28	16.93	1.01	26.14	4.61			
12:29	16.93	0.94	25.30	4.56			
12:30	16.93	0.94	25.34	4.48			
12:31	16.93	1.01	25.03	4.54			
12:32	16.93	0.98	26.08	4.72			
12:33	16.93	1.01	25.45	4.56			
12:34	16.93	0.97	25.32	4.57			
12:35	16.93	0.94	24.99	4.41			
12:36	16.93	0.97	24.72	4.39			
12:37	16.92	0.97	24.40	4.40			
12:38	16.92	0.96	23.80	4.29			
12:39	16.93	0.94	24.87	4.43			
12:40	16.93	0.90	25.61	4.64			
12:41	16.93	0.93	25.57	4.76			
ZERO f	11:46	-0.09	0.00	-0.65	0.19		
SPAN f	11:48	8.94	22.32	43.05	42.99		
Average		16.93	0.96	25.97	4.74		
ZERO f	12:48	-0.13	0.01	-0.76	0.10		
SPAN f	12:49	8.89	22.19	42.82	43.44		
Zero Drift %		-0.2%	0.0%	-0.1%	-0.1%		
Span Drift %		-0.2%	-0.3%	-0.2%	0.4%		
Corr. Avg.		17.14	0.94	26.77	4.65		

Corrected Average = [Test Avg. - ((Zi+Zf) / 2)] \* Span Gas Value / [((Si+Sf) / 2) - ((Zi+Zf) / 2)]

Zero Drift % = 100 \* (Zf - Zi) / Instrument Range

Span Drift % = 100 \* (Sf - Si) / Instrument Range

DAS CONTINUOUS EMISSIONS MONITORING DATA SHEET

Facility: CityMt View  
 Location: Microturbines S16  
 Observers: \_\_\_\_\_  
 Expected Run Time = **30 min**  
 Cylinder #s: \_\_\_\_\_

Run #: **2**  
 Barometric: **30.25**  
 Personnel: **BJ/BK**  
 Std. Temp: **70**

Date: **01/24/23**  
 Leak ▼ : **OK**  
 Strat. ▼ : **OK**

Analyte	O2	NOx	CO	THC				
Analyzer	CAI 110P	600CLD	48i	CAI300				
Range	21.08	45.20	94.40	100.00				
Span Value	9.08	22.00	43.80	43.50				
Time	Comments:							
12:52	16.93	0.93	27.37	4.84				
12:53	16.93	0.91	26.83	4.91				Unit #
12:54	16.93	0.92	32.66	10.02				
12:55	16.93	0.93	30.48	5.28				
12:56	16.93	0.90	27.22	4.90				Operating Conditions
12:57	16.94	0.98	29.58	5.71				
12:58	16.93	0.97	29.27	5.20				
12:59	16.92	0.88	27.47	4.76				Fuel
13:00	16.92	0.89	26.93	4.85				
13:01	16.93	0.92	27.80	5.01				
13:02	16.93	0.93	28.97	5.23				
13:03	16.93	0.90	28.64	5.30				
13:04	16.93	0.89	30.07	5.14				
13:05	16.92	0.90	27.41	4.83				
13:06	16.92	0.94	28.25	5.12				
13:07	16.92	0.90	29.21	5.24				
13:08	16.92	0.85	29.48	5.23				
13:09	16.92	0.94	29.12	5.09				
13:10	16.92	0.97	28.24	4.97				
13:11	16.93	0.89	30.58	5.57				
13:12	16.93	0.85	31.74	5.55				
13:13	16.93	0.84	30.95	5.41				
13:14	16.94	0.84	32.07	5.95				
13:15	16.93	0.86	31.50	5.18				
13:16	16.94	0.87	31.38	5.47				
13:17	16.92	0.90	27.58	4.75				
13:18	16.93	0.86	29.73	5.17				
13:19	16.93	0.88	29.80	5.19				
13:20	16.92	0.94	30.36	5.04				
13:21	16.92	0.96	29.76	5.03				
ZERO I	12:48	-0.13	0.01	-0.76	0.10			
SPAN I	12:49	8.89	22.19	42.82	43.44			
Average		16.93	0.91	29.35	5.33			
ZERO f	13:26	-0.14	0.00	-0.81	0.02			
SPAN f	13:28	8.92	22.32	42.63	42.48			
Zero Drift %		0.0%	0.0%	-0.1%	-0.1%			
Span Drift %		0.2%	0.3%	-0.2%	-1.0%			
Corr. Avg.		17.14	0.89	30.33	5.35			

Corrected Average = [Test Avg. - ((Zi+Zf) / 2)] \* Span Gas Value / [((Si+Sf) / 2) - ((Zi+Zf) / 2)]

Zero Drift % = 100 \* (Zf - Zi) / Instrument Range

Span Drift % = 100 \* (Sf - Si) / Instrument Range

DAS CONTINUOUS EMISSIONS MONITORING DATA SHEET

Facility: CityMt View  
 Location: Microturbines S16  
 Observers: \_\_\_\_\_  
 Expected Run Time = 30 min  
 Cylinder #s: \_\_\_\_\_

Run #: 3  
 Barometric: 30.25  
 Personnel: BJ/BK  
 Std. Temp: 70

Date: 01/24/23  
 Leak ▼ : OK  
 Strat. ▼ : OK

Analyte	O2	NOx	CO	THC				
Analyzer	CAI 110P	600CLD	48i	CAI300				
Range	21.08	45.20	94.40	100.00				
Span Value	9.08	22.00	43.80	43.50				
Time					Comments:			
	13:32	16.92	0.89	29.45	5.01			
	13:33	16.92	0.95	28.71	4.96			Unit #
	13:34	16.92	0.90	30.77	5.31			
	13:35	16.91	0.93	28.45	4.84			
	13:36	16.92	0.92	28.63	4.94			Operating Conditions
	13:37	16.92	0.93	28.38	4.98			
	13:38	16.92	0.92	30.11	5.34			
	13:39	16.92	0.93	29.63	5.07			Fuel
	13:40	16.91	0.93	29.02	4.99			
	13:41	16.92	0.94	29.58	5.16			
	13:42	16.92	1.00	29.63	5.17			
	13:43	16.92	0.97	30.35	5.30			
	13:44	16.92	0.92	29.94	5.45			
	13:45	16.92	0.92	31.35	5.35			
	13:46	16.92	0.96	30.74	5.39			
	13:47	16.92	0.96	31.78	5.63			
	13:48	16.92	0.99	30.97	5.15			
	13:49	16.93	0.89	30.47	5.44			
	13:50	16.93	0.91	32.07	5.81			
	13:51	16.93	0.95	30.94	5.62			
	13:52	16.94	0.92	31.86	6.11			
	13:53	16.94	0.93	33.28	6.30			
	13:54	16.94	0.90	33.65	6.21			
	13:55	16.93	0.93	31.21	5.82			
	13:56	16.94	0.87	32.55	6.11			
	13:57	16.94	0.87	32.96	6.04			
	13:58	16.94	0.89	33.02	6.21			
	13:59	16.94	0.86	33.03	6.16			
	14:00	16.94	0.88	32.94	6.08			
	14:01	16.93	0.90	31.66	5.93			
ZERO I	13:26	-0.14	0.00	-0.81	0.02			
SPAN I	13:28	8.92	22.32	42.63	42.48			
Average		16.93	0.92	30.90	5.53			
ZERO f	14:07	-0.15	0.00	-0.85	0.00			
SPAN f	14:08	8.94	22.34	42.47	42.57			
Zero Drift %		0.0%	0.0%	0.0%	0.0%			
Span Drift %		0.1%	0.0%	-0.2%	0.1%			
Corr. Avg.		17.08	0.91	32.04	5.65			

Corrected Average = [Test Avg. - ((Zi+Zf) / 2)] \* Span Gas Value / (((Si+Sf) / 2) - ((Zi+Zf) / 2))  
 Zero Drift % = 100 \* (Zf - Zi) / Instrument Range  
 Span Drift % = 100 \* (Sf - Si) / Instrument Range



*Flares*

CEMS CALIBRATION SHEET

Facility: *Gib Mt View*

Date: *1-25-23*

Personnel: *BJ & BK*

Location: *Flares 1, 2, 3*

Barometric Pressure: *30.2*

	O <sub>2</sub>	CO <sub>2</sub>	NOx	CO	THC		Comments
Analyzer	CAI 110	Rosemount					
Range	21.08	17.79	45.2	94.4	100		
Cal Value (low)					27.18		
Cyl. #					CC265251		
Expiration					9-25-27		
Cal Value (mid)	9.08	11.54	22.0	43.8	43.5		
Cyl. #	CC755977	DT40765	BT40664	Mid O <sub>2</sub>	DT42922		
Expiration	12-7-30	09/23/30	8-24-25		6-21-30		NO2
Cal Value (Hi)	21.08	17.79	45.2	94.4	92.1		5.979
Cyl #	EB152935	EB152935	CC755335	1b' O <sub>2</sub>	CC506583		CC503193
Expiration	11/15/30	11/15/30	9-16-25		3-10-29		1/6/2024

Run	Start	Stop	Temp	Flow	Can ID	Time	
#1	Run 1	820	850	1623	110		
	Run 2	900	930	1625	110		#765/908
	Run 3	941	1011	1623	110		
#2	1	1029	1059	1620	210		
	2	1110	1140	1629	211		#54/1115
	3	1200 <del>449</del>	1219 1230	1627	213		
#3	1	1300	1330	1626	361		
	2	1330 <del>1400</del>	1400 1342-1412	1626	356		#142/1305
	3	1422	1452	1626	356		

3-pt travers during R-1

Leak Check: 0

Heated Line Temp (F): ~250

Calculations

% Linearity (Limit ± 2%) = 100 \*  $\frac{\text{Span Value} - \text{Internal cal}}{\text{Span Range}}$

CH<sub>4</sub> ~ 49%  
O<sub>2</sub> ~ 1.9%

Zero and Calibration Drift = 100 x  $\frac{(\text{Cfb} - \text{Cib})}{\text{range}}$

Cbcal =  $\frac{(\text{Cib} + \text{Cfb})}{2}$  for cal gas

DAS CONTINUOUS EMISSIONS MONITORING DATA SHEET

Facility: CityMt View  
 Location: Flares  
 Observers: \_\_\_\_\_  
 Expected Run Time = 30 min

Run #: CEC  
 Barometric: 30.25  
 Personnel: BJ/BK  
 Std. Temp: 70

Date: 01/25/23  
 Leak ✓ : OK  
 Strat. ✓ : OK

Cylinder #s: \_\_\_\_\_

Analyte	O2	CO2	NOx	CO	THC				
Analyzer	CAI 110P	NGA2000	600CLD	48i	CAI300				
Range	21.08	18	45.20	94.40	100.00				
Span Value	9.08	11.54	22.00	43.80	43.50				
Time		Comments:							
7:45	-0.10		0.00	-0.14	-0.13				
7:46	<b>-0.10</b>		<b>0.00</b>	<b>-0.13</b>	<b>-0.20</b>				Unit #
7:47	10.13		0.00	19.08	2.54				
7:48	21.01		0.01	91.04	5.00				
7:49	21.01		0.01	94.20	4.83				Operating Conditions
7:50	<b>21.01</b>		0.00	<b>94.18</b>	4.78				
7:51	10.11		0.00	64.65	2.45				
7:52	9.05		0.00	44.05	2.31				Fuel
7:53	<b>9.05</b>		0.00	<b>43.97</b>	2.29				
7:54	0.85		33.88	17.25	-0.37				
7:55	-0.13		45.31	-0.43	-0.46				
7:56	-0.14		<b>45.43</b>	-0.45	-0.46				
7:57	-0.02		12.40	-0.46	-0.47				
7:58	-0.03		19.22	-0.46	-0.57				
7:59	-0.03		21.74	-0.48	-0.60				Nox Converter
8:00	18.99		<b>21.85</b>	-0.46	87.18				
8:01	21.01		0.01	-0.48	93.29				
8:02	21.01		5.61	-0.49	<b>93.78</b>				
8:03	21.06		<b>5.57</b>	-0.47	45.84				
8:04	21.08		0.00	-0.46	43.11				
8:05	21.08		0.00	-0.47	<b>43.08</b>				
8:06	21.01		0.01	-0.50	28.54				
8:07	21.00		0.00	-0.51	27.04				
8:08	21.00		0.00	-0.53	<b>27.06</b>				

DAS CONTINUOUS EMISSIONS MONITORING DATA SHEET

Facility: CityMt View  
 Location: Flares  
 Observers: \_\_\_\_\_  
 Expected Run Time = 30 min

Run #: 1  
 Barometric: 30.25  
 Personnel: BJ/BK  
 Std. Temp: 70

Date: 01/25/23  
 Leak ✓ : OK  
 Strat. ✓ : OK

Cylinder #s: \_\_\_\_\_

Analyte	O2	NOx	CO	THC				
Analyzer	CAI 110P	600CLD	48i	CAI300				
Range	21.08	45.20	94.40	100.00				
Span Value	9.08	22.00	43.80	43.50				
Time								Comments:
	8:20	12.17	17.10	-0.80	-0.07			
	8:21	12.21	16.89	-0.80	-0.07			Unit #
	8:22	12.23	16.96	-0.80	-0.07			
	8:23	12.17	16.92	-0.82	-0.08			
	8:24	12.16	17.04	-0.82	-0.08			Operating Conditions
	8:25	12.17	16.66	-0.80	-0.09			
	8:26	12.19	16.72	-0.80	-0.09			
	8:27	12.14	16.99	-0.81	-0.10			Fuel
	8:28	12.15	17.19	-0.83	-0.10			
	8:29	12.14	17.09	-0.81	-0.11			
	8:30	12.07	17.15	-0.83	-0.12			
	8:31	12.09	17.11	-0.84	-0.03			
	8:32	12.12	16.94	-0.82	-0.03			
	8:33	12.08	17.09	-0.85	-0.03			
	8:34	12.07	17.09	-0.84	-0.03			
	8:35	12.31	16.61	-0.80	-0.03			
	8:36	12.26	16.83	-0.82	-0.03			
	8:37	11.89	17.48	-0.84	-0.06			
	8:38	12.14	17.05	-0.82	-0.06			
	8:39	12.27	16.50	-0.81	-0.03			
	8:40	12.21	16.65	-0.85	-0.05			
	8:41	11.98	17.29	-0.86	-0.07			
	8:42	12.00	17.37	-0.87	-0.07			
	8:43	12.41	16.00	-0.83	-0.06			
	8:44	12.10	16.85	-0.83	-0.07			
	8:45	11.79	17.82	-0.88	-0.09			
	8:46	12.43	15.94	-0.83	-0.06			
	8:47	12.13	16.71	-0.80	-0.07			
	8:48	11.99	17.29	-0.88	-0.08			
	8:49	11.91	17.39	-0.89	-0.09			
ZERO I	8:15	-0.05	0.01	-0.55	-0.51			
SPAN I	8:17	9.01	21.99	43.76	43.14			
Average		12.13	16.96	-0.83	-0.07			
ZERO f	8:55	-0.07	0.01	-0.66	-0.50			
SPAN f	8:57	9.09	21.90	43.44	42.66			
Zero Drift %		-0.1%	0.0%	-0.1%	0.0%			
Span Drift %		0.4%	-0.2%	-0.3%	-0.5%			
Corr. Avg.		12.16	17.00	-0.22	0.44			

Corrected Average = [Test Avg. - ((Zi+Zf) / 2)] \* Span Gas Value / [((Si+Sf) / 2) - ((Zi+Zf) / 2)]

Zero Drift % = 100 \* (Zf - Zi) / Instrument Range

Span Drift % = 100 \* (Sf - Si) / Instrument Range

DAS CONTINUOUS EMISSIONS MONITORING DATA SHEET

Facility: CityMt View  
 Location: Flares  
 Observers: \_\_\_\_\_  
 Expected Rnn Time = 30 min

Run #: 2  
 Barometric: 30.25  
 Personnel: BJ/BK  
 Std. Temp: 70

Date: 01/25/23  
 Leak ✓ : OK  
 Strat. ✓ : OK

Cylinder #s: \_\_\_\_\_

Analyte	O2	NOx	CO	THC				
Analyzer	CAI 110P	600CLD	48i	CAI300				
Range	21.08	45.20	94.40	100.00				
Span Value	9.08	22.00	43.80	43.50				
Time								Comments:
9:00	12.04	17.18	-0.94	-0.13				
9:01	12.16	16.80	-0.91	-0.12				Unit #
9:02	12.36	16.27	-0.84	-0.11				
9:03	11.90	17.28	-0.86	-0.13				
9:04	12.02	17.29	-0.91	-0.11				Operating Conditions
9:05	12.30	16.12	-0.88	-0.11				
9:06	11.99	16.99	-0.88	-0.13				
9:07	11.94	17.34	-0.93	-0.13				Fuel
9:08	12.25	16.51	-0.87	-0.11				
9:09	12.19	16.26	-0.85	-0.12				
9:10	11.82	17.51	-0.94	-0.14				
9:11	12.16	16.71	-0.92	-0.12				
9:12	12.25	16.29	-0.88	-0.12				
9:13	12.14	16.59	-0.90	-0.11				
9:14	11.83	17.37	-0.94	-0.13				
9:15	12.23	16.39	-0.92	-0.09				
9:16	12.20	16.25	-0.88	-0.09				
9:17	11.79	17.48	-0.96	-0.10				
9:18	12.27	16.15	-0.93	-0.08				
9:19	12.18	16.09	-0.84	-0.08				
9:20	11.79	17.42	-0.95	-0.10				
9:21	12.15	16.64	-0.94	-0.09				
9:22	12.19	16.16	-0.90	-0.08				
9:23	12.09	16.50	-0.95	-0.08				
9:24	12.18	16.36	-0.93	-0.08				
9:25	12.13	16.33	-0.93	-0.09				
9:26	12.08	16.53	-0.95	-0.09				
9:27	12.16	16.40	-0.96	-0.08				
9:28	12.13	16.44	-0.89	-0.07				
9:29	12.10	16.52	-0.95	-0.08				
ZERO I	8:55	-0.07	0.01	-0.66	-0.50			
SPAN I	8:57	9.09	21.90	43.44	42.66			
Average		12.10	16.67	-0.91	-0.10			
ZERO f	9:36	-0.08	0.00	-0.73	-0.51			
SPAN f	9:38	9.07	21.58	43.19	44.53			
Zero Drift %		0.0%	0.0%	-0.1%	0.0%			
Span Drift %		-0.1%	-0.7%	-0.3%	1.9%			
Corr. Avg.		12.08	16.87	-0.21	0.40			

Corrected Average = [Test Avg. - ((Zi+Zf) / 2)] \* Span Gas Value / [((Si+Sf) / 2) - ((Zi+Zf) / 2)]

Zero Drift % = 100 \* (Zf - Zi) / Instrument Range

Span Drift % = 100 \* (Sf - Si) / Instrument Range

DAS CONTINUOUS EMISSIONS MONITORING DATA SHEET

Facility: CityMt View  
 Location: Flares  
 Observers: \_\_\_\_\_  
 Expected Run Time = 30 min

Run #: 3  
 Barometric: 30.25  
 Personnel: BJ/BK  
 Std. Temp: 70

Date: 01/25/23  
 Leak ✓ : OK  
 Strat. ✓ : OK

Cylinder #s: \_\_\_\_\_

Analyte	O2	NOx	CO	THC				
Analyzer	CAI 110P	600CLD	48i	CAI300				
Range	21.08	45.20	94.40	100.00				
Span Value	9.08	22.00	43.80	43.50				
Time								Comments:
	9:41	12.11	16.74	-0.99	-0.11			
	9:42	12.15	16.70	-1.00	-0.10			Unit #
	9:43	12.10	16.74	-0.98	-0.10			
	9:44	12.13	16.74	-0.98	-0.07			
	9:45	12.13	16.62	-0.96	-0.08			Operating Conditions
	9:46	12.09	16.87	-0.99	-0.08			
	9:47	12.08	16.63	-0.99	-0.10			
	9:48	12.10	16.81	-1.00	-0.08			Fuel
	9:49	12.08	16.83	-1.00	-0.06			
	9:50	12.00	16.85	-1.00	-0.08			
	9:51	12.05	16.70	-0.99	-0.08			
	9:52	12.09	16.61	-1.00	-0.08			
	9:53	12.07	16.97	-1.00	-0.07			
	9:54	12.15	16.83	-1.00	-0.06			
	9:55	12.08	16.89	-1.01	-0.10			
	9:56	12.08	16.76	-0.99	-0.07			
	9:57	12.05	16.96	-0.99	-0.10			
	9:58	12.04	17.26	-0.99	-0.10			
	9:59	12.04	17.18	-1.01	-0.09			
	10:00	12.06	16.94	-1.00	-0.09			
	10:01	12.05	17.00	-1.01	-0.08			
	10:02	12.04	17.07	-1.02	-0.06			
	10:03	11.98	17.18	-1.03	-0.11			
	10:04	11.98	17.23	-1.03	-0.12			
	10:05	12.01	17.20	-1.03	-0.07			
	10:06	12.06	17.22	-1.03	-0.09			
	10:07	12.04	16.91	-1.03	-0.08			
	10:08	12.07	17.11	-1.04	-0.06			
	10:09	12.07	17.00	-1.05	-0.12			
	10:10	12.00	17.22	-1.05	-0.11			
ZERO I	9:36	-0.08	0.00	-0.73	-0.51			
SPAN I	9:38	9.07	21.58	43.19	44.53			
Average		12.06	16.92	-1.01	-0.09			
ZERO f	10:19	-0.08	0.01	-0.82	-0.68			
SPAN f	10:22	9.08	21.99	42.96	42.86			
Zero Drift %		0.0%	0.0%	-0.1%	-0.2%			
Span Drift %		0.1%	0.9%	-0.2%	-1.7%			
Corr. Avg.		12.04	17.09	-0.23	0.50			

Corrected Average = [Test Avg. - ((Zi+Zf) / 2)] \* Span Gas Value / [((Si+Sf) / 2) - ((Zi+Zf) / 2)]

Zero Drift % = 100 \* (Zf - Zi) / Instrument Range

Span Drift % = 100 \* (Sf - Si) / Instrument Range

DAS CONTINUOUS EMISSIONS MONITORING DATA SHEET

Facility: CityMt View  
 Location: Flare 2  
 Observers: \_\_\_\_\_  
 Expected Run Time = 30 min

Run #: 4  
 Barometric: 30.25  
 Personnel: BJ/BK  
 Std. Temp: 70

Date: 01/25/23  
 Leak ✓ : OK  
 Strat. ✓ : OK

Cylinder #s: \_\_\_\_\_

Analyte	O2	NOx	CO	THC				
Analyzer	CAI 110P	600CLD	48i	CAI300				
Range	21.08	45.20	94.40	100.00				
Span Value	9.08	22.00	43.80	43.50				
Time				Comments:				
	10:29	12.03	18.84	-0.93	-0.16			
	10:30	11.89	19.51	-0.99	-0.22			Unit #
	10:31	11.90	19.64	-1.02	-0.22			
	10:32	12.02	19.10	-1.03	-0.21			
	10:33	11.99	19.27	-1.05	-0.18			Operating Conditions
	10:34	11.96	19.14	-1.05	-0.19			
	10:35	11.95	19.17	-1.06	-0.25			Fuel
	10:36	11.96	19.13	-1.05	-0.24			
	10:37	11.98	19.41	-1.06	-0.33			
	10:38	12.06	18.95	-1.06	-0.30			
	10:39	12.12	18.89	-1.04	-0.20			
	10:40	12.01	19.36	-1.07	-0.19			
	10:41	12.07	19.07	-1.06	-0.23			
	10:42	11.93	19.67	-1.08	-0.34			
	10:43	11.89	19.77	-1.08	-0.27			
	10:44	11.95	19.63	-1.07	-0.23			
	10:45	11.97	19.50	-1.08	-0.25			
	10:46	11.99	19.50	-1.08	-0.33			
	10:47	12.14	19.31	-1.06	-0.22			
	10:48	11.87	19.91	-1.08	-0.26			
	10:49	11.92	19.98	-1.08	-0.17			
	10:50	11.87	20.07	-1.10	-0.30			
	10:51	11.85	20.13	-1.09	-0.19			
	10:52	12.10	19.57	-1.08	-0.34			
	10:53	11.94	19.99	-1.10	-0.29			
	10:54	11.98	19.78	-1.10	-0.28			
	10:55	12.16	19.35	-1.10	-0.26			
	10:56	12.07	19.55	-1.07	-0.24			
	10:57	11.95	19.77	-1.13	-0.40			
	10:58	11.88	20.01	-1.12	-0.58			
ZERO I	10:19	-0.08	0.01	-0.82	-0.68			
SPAN I	10:22	9.08	21.99	42.96	42.86			
Average		11.98	19.50	-1.07	-0.26			
ZERO f	11:06	-0.09	0.00	-0.88	-1.06			
SPAN f	11:08	9.05	22.20	42.67	42.63			
Zero Drift %		0.0%	0.0%	-0.1%	-0.4%			
Span Drift %		-0.1%	0.5%	-0.3%	-0.2%			
Corr. Avg.		11.97	19.41	-0.22	0.61			

Corrected Average = [Test Avg. - ((Zi+Zf) / 2)] \* Span Gas Value / [((Si+Sf) / 2) - ((Zi+Zf) / 2)]

Zero Drift % = 100 \* (Zf - Zi) / Instrument Range

Span Drift % = 100 \* (Sf - Si) / Instrument Range

DAS CONTINUOUS EMISSIONS MONITORING DATA SHEET

Facility: CityMt View  
 Location: Flare 2  
 Observers: \_\_\_\_\_  
 Expected Run Time = 30 min  
 Cylinder #s: \_\_\_\_\_

Run #: 5  
 Barometric: 30.25  
 Personnel: BJ/BK  
 Std. Temp: 70

Date: 01/25/23  
 Leak ✓ : OK  
 Strat. ✓ : OK

Analyte	O2	NOx	CO	THC				
Analyzer	CAI 110P	600CLD	48i	CAI300				
Range	21.08	45.20	94.40	100.00				
Span Value	9.08	22.00	43.80	43.50				
Time		Comments:						
	11:10	12.29	18.99	-1.09	-0.46			
	11:11	12.33	18.92	-1.05	-0.59			Unit #
	11:12	11.88	19.61	-1.10	-0.44			
	11:13	11.93	19.75	-1.12	-0.56			
	11:14	11.91	19.68	-1.14	-0.47			Operating Conditions
	11:15	11.92	19.67	-1.13	-0.38			
	11:16	11.97	19.41	-1.13	-0.35			
	11:17	11.94	19.33	-1.15	-0.36			Fuel
	11:18	11.92	19.55	-1.15	-0.18			
	11:19	11.94	19.40	-1.15	-0.36			
	11:20	11.91	19.74	-1.15	-0.33			
	11:21	11.94	19.77	-1.16	-0.53			
	11:22	11.98	19.58	-1.14	-0.22			
	11:23	11.94	19.65	-1.13	-0.42			
	11:24	11.95	19.59	-1.13	-0.46			
	11:25	11.86	19.82	-1.17	-0.43			
	11:26	11.96	19.33	-1.16	-0.36			
	11:27	11.88	19.67	-1.17	-0.47			
	11:28	11.88	19.57	-1.16	-0.48			
	11:29	11.89	19.58	-1.17	-0.42			
	11:30	11.92	19.19	-1.17	-0.32			
	11:31	11.88	19.28	-1.16	-0.30			
	11:32	11.93	19.29	-1.15	-0.30			
	11:33	11.95	19.21	-1.15	-0.32			
	11:34	11.89	19.53	-1.16	-0.38			
	11:35	11.89	19.44	-1.17	-0.38			
	11:36	11.87	19.63	-1.17	-0.39			
	11:37	11.91	19.68	-1.16	-0.37			
	11:38	11.83	19.82	-1.18	-0.39			
	11:39	11.91	19.72	-1.17	-0.39			
ZERO I	11:06	-0.09	0.00	-0.88	-1.06			
SPAN I	11:08	9.05	22.20	42.67	42.63			
Average		11.94	19.51	-1.15	-0.39			
ZERO f	11:44	-0.10	0.01	-0.92	-0.82			
SPAN f	11:45	9.04	22.18	42.33	43.10			
Zero Drift %		0.0%	0.0%	0.0%	0.2%			
Span Drift %		0.0%	-0.1%	-0.4%	0.5%			
Corr. Avg.		11.95	19.35	-0.25	0.54			

Corrected Average = [(Test Avg. - ((Zi+Zf) / 2)) \* Span Gas Value / (((Si+Sf) / 2) - ((Zi+Zf) / 2))]

Zero Drift % = 100 \* (Zf - Zi) / Instrument Range

Span Drift % = 100 \* (Sf - Si) / Instrument Range

DAS CONTINUOUS EMISSIONS MONITORING DATA SHEET

Facility: CityMt View  
 Location: Flare 2  
 Observers: \_\_\_\_\_  
 Expected Run Time = 30 min  
 Cylinder #s: \_\_\_\_\_

Run #: 6  
 Barometric: 30.25  
 Personnel: BJ/BK  
 Std. Temp: 70

Date: 01/25/23  
 Leak ✓ : OK  
 Strat. ✓ : OK

Analyte	O2	NOx	CO	THC				
Analyzer	CAI 110P	600CLD	48i	CAI300				
Range	21.08	45.20	94.40	100.00				
Span Value	9.08	22.00	43.80	43.50				
Time		Comments:						
	12:00	11.89	19.83	-1.22	-0.42			
	12:01	11.79	19.97	-1.20	-0.41			Unit#
	12:02	11.75	20.25	-1.22	-0.42			
	12:03	11.75	20.18	-1.21	-0.45			
	12:04	11.72	20.23	-1.21	-0.48			Operating Conditions
	12:05	11.78	20.45	-1.21	-0.47			
	12:06	11.84	20.44	-1.20	-0.47			
	12:07	11.72	20.64	-1.22	-0.47			Fuel
	12:08	11.78	20.41	-1.20	-0.45			
	12:09	11.73	20.59	-1.21	-0.45			
	12:10	11.88	20.26	-1.20	-0.44			
	12:11	11.74	20.54	-1.20	-0.46			
	12:12	12.06	19.47	-1.21	-0.46			
	12:13	11.91	19.68	-1.21	-0.44			
	12:14	11.71	20.41	-1.22	-0.41			
	12:15	11.64	20.80	-1.22	-0.39			
	12:16	11.75	20.62	-1.21	-0.43			
	12:17	12.30	19.45	-1.17	-0.39			
	12:18	12.03	19.52	-1.18	-0.41			
	12:19	11.84	20.21	-1.21	-0.40			
	12:20	11.81	19.98	-1.22	-0.38			
	12:21	11.83	20.11	-1.22	-0.38			
	12:22	11.86	20.08	-1.23	-0.37			
	12:23	11.89	20.14	-1.22	-0.38			
	12:24	11.92	20.03	-1.21	-0.38			
	12:25	11.94	19.95	-1.22	-0.42			
	12:26	11.90	20.04	-1.21	-0.43			
	12:27	11.78	20.25	-1.22	-0.45			
	12:28	11.86	19.99	-1.21	-0.44			
	12:29	11.92	19.90	-1.21	-0.45			
ZERO I	11:44	-0.10	0.01	-0.92	-0.82			
SPAN I	11:45	9.04	22.18	42.33	43.10			
Average		11.84	20.15	-1.21	-0.43			
ZERO f	12:36	-0.10	0.00	-0.98	-0.89			
SPAN f	12:37	9.03	22.26	42.33	42.22			
Zero Drift %		0.0%	0.0%	-0.1%	-0.1%			
Span Drift %		-0.1%	0.2%	0.0%	-0.9%			
Corr. Avg.		11.87	19.95	-0.26	0.43			

Corrected Average = [(Test Avg. - ((Zi+Zf) / 2)) \* Span Gas Value / (((Si+Sf) / 2) - ((Zi+Zf) / 2))]

Zero Drift % = 100 \* (Zf - Zi) / Instrument Range

Span Drift % = 100 \* (Sf - Si) / Instrument Range



DAS CONTINUOUS EMISSIONS MONITORING DATA SHEET

Facility: CityMt View  
 Location: Flare 3  
 Observers: \_\_\_\_\_  
 Expected Run Time = 30 min

Run #: 7  
 Barometric: 30.25  
 Personnel: BJ/BK  
 Std. Temp: 70

Date: 01/25/23  
 Leak ✓ : OK  
 Strat. ✓ : OK

Cylinder #s: \_\_\_\_\_

Analyte	O2	NOx	CO	THC				
Analyzer	CAI 110P	600CLD	48i	CAI300				
Range	21.08	45.20	94.40	100.00				
Span Value	9.08	22.00	43.80	43.50				
Time				Comments:				
	13:00	11.57	18.62	1.55	1.59			
	13:01	11.83	18.04	1.54	3.08			Unit #
	13:02	11.54	18.95	1.01	2.89			
	13:03	11.79	18.38	0.90	2.67			
	13:04	11.55	18.99	0.57	2.47			Operating Conditions
	13:05	11.75	18.26	0.38	2.25			
	13:06	11.97	17.69	0.27	2.11			
	13:07	11.62	18.87	0.03	2.04			Fuel
	13:08	11.74	18.50	-0.06	1.81			
	13:09	11.76	18.60	-0.17	1.63			
	13:10	11.87	18.26	-0.26	1.49			
	13:11	12.27	17.38	-0.24	1.40			
	13:12	11.80	18.32	-0.41	1.26			
	13:13	11.74	18.56	-0.51	1.09			
	13:14	11.71	18.64	-0.50	1.00			
	13:15	11.69	18.62	-0.55	0.93			
	13:16	11.75	18.53	-0.53	1.51			
	13:17	11.76	18.38	-0.42	1.49			
	13:18	11.77	18.30	-0.65	1.37			
	13:19	11.72	18.39	-0.65	1.26			
	13:20	11.76	18.41	-0.65	1.18			
	13:21	11.88	17.95	-0.70	1.08			
	13:22	11.77	18.44	-0.74	1.33			
	13:23	11.72	18.48	-0.76	1.81			
	13:24	11.70	18.54	-0.76	1.68			
	13:25	11.80	18.52	-0.77	1.57			
	13:26	11.81	18.28	-0.80	1.46			
	13:27	11.81	18.36	-0.80	1.39			
	13:28	11.76	18.38	-0.79	1.28			
	13:29	11.80	18.17	-0.81	1.19			
ZERO I	12:36	-0.10	0.00	-0.98	-0.89			
SPAN I	12:37	9.03	22.26	42.33	42.22			
Average		11.77	18.39	-0.21	1.64			
ZERO f	13:35	-0.12	0.00	-1.04	-0.67			
SPAN f	13:36	9.00	22.19	42.20	43.16			
Zero Drift %		-0.1%	0.0%	-0.1%	0.2%			
Span Drift %		-0.1%	-0.2%	-0.1%	0.9%			
Corr. Avg.		11.82	18.21	0.81	2.42			

Corrected Average = [Test Avg. - ((Zi+Zf) / 2)] \* Span Gas Value / [((Si+Sf) / 2) - ((Zi+Zf) / 2)]

Zero Drift % = 100 \* (Zf - Zi) / Instrument Range

Span Drift % = 100 \* (Sf - Si) / Instrument Range

DAS CONTINUOUS EMISSIONS MONITORING DATA SHEET

Facility: CityMt View  
 Location: Flare 3  
 Observers: \_\_\_\_\_  
 Expected Run Time = 30 min

Run #: 8  
 Barometric: 30.25  
 Personnel: BJ/BK  
 Std. Temp: 70

Date: 01/25/23  
 Leak ✓ : OK  
 Strat. ✓ : OK

Cylinder #s: \_\_\_\_\_

Analyte	O2	NOx	CO	THC				
Analyzer	CAI 110P	600CLD	48i	CAI300				
Range	21.08	45.20	94.40	100.00				
Span Value	9.08	22.00	43.80	43.50				
Time					Comments:			
	13:42	11.77	18.17	-0.93	1.66			
	13:43	11.78	18.17	-0.92	1.65			Unit #
	13:44	11.77	18.29	-0.91	1.61			
	13:45	11.73	18.39	-0.90	1.59			
	13:46	11.64	18.64	-0.94	1.54			Operating Conditions
	13:47	11.94	18.04	-0.32	1.54			
	13:48	11.61	18.84	-0.61	1.49			
	13:49	12.03	17.62	-0.45	1.49			Fuel
	13:50	11.58	18.93	-0.90	1.44			
	13:51	11.65	18.89	-1.03	1.44			
	13:52	11.56	19.04	-1.02	1.40			
	13:53	11.95	18.11	-0.34	1.39			
	13:54	11.83	18.33	-0.95	1.35			
	13:55	11.59	18.86	-1.01	1.33			
	13:56	11.90	18.05	-0.90	1.34			
	13:57	11.75	18.54	-0.98	1.29			
	13:58	11.82	18.45	-0.95	1.24			
	13:59	11.83	18.21	-1.00	1.20			
	14:00	11.81	18.36	-1.02	1.18			
	14:01	11.80	18.40	-1.01	1.14			
	14:02	11.82	18.35	-0.92	1.10			
	14:03	11.88	18.33	-1.05	1.10			
	14:04	11.74	18.66	-1.08	1.06			
	14:05	11.78	18.63	-1.07	1.04			
	14:06	11.75	18.67	-1.06	1.02			
	14:07	11.80	18.59	-1.06	0.94			
	14:08	11.68	18.69	-1.03	0.89			
	14:09	11.82	18.56	-1.05	0.89			
	14:10	11.68	18.71	-1.07	0.84			
	14:11	11.73	18.56	-1.07	0.84			
ZERO I	13:35	-0.12	0.00	-1.04	-0.67			
SPAN I	13:36	9.00	22.19	42.20	43.16			
Average		11.77	18.47	-0.92	1.27			
ZERO f	14:17	-0.13	0.00	-1.08	-0.71			
SPAN f	14:19	8.98	22.22	41.98	42.42			
Zero Drift %		-0.1%	0.0%	0.0%	0.0%			
Span Drift %		-0.1%	0.1%	-0.2%	-0.7%			
Corr. Avg.		11.84	18.30	0.14	1.96			

Corrected Average = [Test Avg. - ((Zi+Zf) / 2)] \* Span Gas Value / (((Si+Sf) / 2) - ((Zi+Zf) / 2))

Zero Drift % = 100 \* (Zf - Zi) / Instrument Range

Span Drift % = 100 \* (Sf - Si) / Instrument Range

DAS CONTINUOUS EMISSIONS MONITORING DATA SHEET

Facility: CityMt View  
 Location: Flare 3  
 Observers: \_\_\_\_\_  
 Expected Run Time = 30 min

Run #: 9  
 Barometric: 30.25  
 Personnel: BJ/BK  
 Std. Temp: 70

Date: 01/25/23  
 Leak ✓ : OK  
 Strat. ✓ : OK

Cylinder #s: \_\_\_\_\_

Analyte	O2	NOx	CO	THC				
Analyzer	CAI 110P	600CLD	48i	CAI300				
Range	21.08	45.20	94.40	100.00				
Span Value	9.08	22.00	43.80	43.50				
Time				Comments:				
	14:22	12.02	17.98	-0.66	0.53			
	14:23	11.78	18.50	-1.04	0.55			Unit #
	14:24	11.73	18.69	-1.07	0.57			
	14:25	11.85	18.44	-1.08	0.58			
	14:26	11.82	18.51	-1.08	0.60			Operating Conditions
	14:27	11.85	18.19	-1.09	0.63			
	14:28	11.78	18.57	-1.08	0.63			
	14:29	11.85	18.50	-1.10	0.68			Fuel
	14:30	11.82	18.25	-1.09	0.65			
	14:31	11.90	18.13	-1.05	0.64			
	14:32	11.78	18.60	-1.06	0.71			
	14:33	11.81	18.66	-1.09	0.64			
	14:34	11.76	18.63	-1.11	0.66			
	14:35	11.76	18.59	-1.10	0.60			
	14:36	11.76	18.65	-1.12	0.56			
	14:37	11.72	18.77	-1.12	0.54			
	14:38	11.80	18.44	-1.10	0.50			
	14:39	11.82	18.38	-1.11	0.51			
	14:40	11.82	18.29	-1.12	0.51			
	14:41	11.77	18.55	-1.12	0.50			
	14:42	11.79	18.61	-1.12	0.49			
	14:43	11.77	18.42	-1.13	0.46			
	14:44	11.71	18.83	-1.11	0.46			
	14:45	11.76	18.74	-1.10	0.43			
	14:46	11.81	18.48	-1.12	0.45			
	14:47	11.78	18.61	-1.11	0.44			
	14:48	11.72	18.87	-1.08	0.44			
	14:49	11.66	19.04	-1.12	0.43			
	14:50	11.76	18.73	-1.13	0.43			
	14:51	11.80	18.58	-1.13	0.43			
ZERO I	14:17	-0.13	0.00	-1.08	-0.71			
SPAN I	14:19	8.98	22.22	41.98	42.42			
Average		11.79	18.54	-1.08	0.54			
ZERO f	15:00	-0.14	0.00	-1.13	-0.79			
SPAN f	15:01	8.99	22.27	41.90	42.32			
Zero Drift %		0.0%	0.0%	-0.1%	-0.1%			
Span Drift %		0.0%	0.1%	-0.1%	-0.1%			
Corr. Avg.		11.87	18.34	0.02	1.30			

Corrected Average = [(Test Avg. - ((Zi+Zf) / 2))] \* Span Gas Value / [((Si+Sf) / 2) - ((Zi+Zf) / 2)]

Zero Drift % = 100 \* (Zf - Zi) / Instrument Range

Span Drift % = 100 \* (Sf - Si) / Instrument Range

**APPENDIX D**  
**CALIBRATION GAS CERTIFICATES**



# CERTIFICATE OF ANALYSIS / EPA PROTOCOL GAS

**Customer & Order Information**

BEST ENVIRONMENTAL SERVICES  
339 STEALTH CT  
LIVERMORE CA 94551

Certificate Issuance Date: 03/11/2021  
Praxair Order Number: 36989506  
Part Number: EV AIPR30ME-AS  
Customer PO Number: 6

Fill Date: 02/25/2021  
Lot Number: 70086105605  
Cylinder Style & Outlet: AS CGA 590  
Cylinder Pressure and Volume: 2000 psig 140 ft<sup>3</sup>

**Certified Concentration**

Expiration Date:	03/10/2029	NIST Traceable
Cylinder Number:	CC506583	Expanded Uncertainty
30.7 ppm	Propane	± 0.1 ppm
Balance	Air	

**ProSpec EZ Cert**



**Certification Information:**

Certification Date: 03/10/2021      Term: 96 Months      Expiration Date: 03/10/2029

This cylinder was certified according to the 2012 EPA Traceability Protocol, Document #EPA-600/R-12/531, using Procedure G1. Uncertainty above is expressed as absolute expanded uncertainty at a level of confidence of approximately 95% with a coverage factor k = 2. Do Not Use this Standard if Pressure is less than 100 PSIG.

**Analytical Data:**

(R=Reference Standard, Z=Zero Gas, C=Gas Candi/date)

1. **Component:** Propane  
Requested Concentration: 30 ppm  
Certified Concentration: 30.7 ppm  
Instrument Used: Horiba FIA-510, 851135122  
Analytical Method: FID Total Hydrocarbon Analyzer  
Last Multipoint Calibration: 03/05/2021

**Reference Standard:** Type / Cylinder #: GMIS / CC302220  
Concentration / Uncertainty: 50.68 ppm ±0.13 ppm  
Expiration Date: 07/06/2023  
**Traceable to:** SRM # / Sample # / Cylinder #: SRM 1667b / 83-J-17 / CAL017783  
SRM Concentration (enter with units) / 48.83 ppm / ±0.11 ppm  
SRM Expiration Date: 08/17/2017

First Analysis Data:			Date
Z: 0	R: 136.8	C: 82.9	03/10/2021
R: 136.8	Z: 0	C: 82.8	Conc: 30.7
Z: 0	C: 82.8	R: 136.9	Conc: 30.7
UOM: ppm			Mean Test Assay: 30.7 ppm

Second Analysis Data:			Date
Z: 0	R: 0	C: 0	Conc: 0
R: 0	Z: 0	C: 0	Conc: 0
Z: 0	C: 0	R: 0	Conc: 0
UOM: ppm			Mean Test Assay: ppm

Analyzed By

Jose Vasquez

Certified By

Amalia Resa

CH<sub>4</sub>  
92.1 ppm



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Linde Gas & Equipment Inc.  
5700 S. Alameda Street  
Los Angeles CA 90058  
Tel: 323-585-2154  
Fax: 714-542-6689  
PGVP ID: F22022

DocNumber: 477448

# CERTIFICATE OF ANALYSIS / EPA PROTOCOL GAS

### Customer & Order Information

BEST ENVIRONMENTAL SERVICES  
339 STEALTH CT  
LIVERMORE CA 94551

Certificate Issuance Date: 06/24/2022

Linde Order Number: 67255744

Part Number: EV AIPR15ME-AS

Customer PO Number: 43

Fill Date: 06/14/2022

Lot Number: 70086218502

Cylinder Style & Outlet: AS

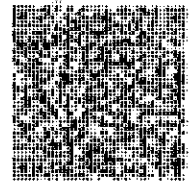
CGA 590

Cylinder Pressure and Volume: 2000 psig 140 ft<sup>3</sup>

### Certified Concentration

Expiration Date:	06/21/2030	NIST Traceable
Cylinder Number:	EB0018485	Expanded Uncertainty
14.5 ppm	Propane	± 0.1 ppm
Balance	Air	

Propane Gas Cert



### Certification Information:

Certification Date: 06/21/2022

Term: 96 Months

Expiration Date: 06/21/2030

This cylinder was certified according to the 2012 EPA Traceability Protocol, Document #EPA-600/R-12/531, using Procedure G1. Uncertainty above is expressed as absolute expanded uncertainty at a level of confidence of approximately 95% with a coverage factor k = 2. Do Not Use this Standard if Pressure is less than 100 PSIG.

### Analytical Data:

(R=Reference Standard, Z=Zero Gas, C=Gas Candidate)

1. Component: Propane

Requested Concentration: 15 ppm  
Certified Concentration: 14.5 ppm  
Instrument Used: Horiba FIA-510, 851135122  
Analytical Method: FID Total Hydrocarbon Analyzer  
Last Multipoint Calibration: 06/06/2022

Reference Standard: Type / Cylinder #: GMS / CC302220  
Concentration / Uncertainty: 50.68 ppm ±0.13 ppm  
Expiration Date: 07/06/2023  
Traceable to: SRM # / Sample # / Cylinder #: SRM 1667b / 83-J-17 / CAL017783  
SRM Concentration / Uncertainty: 48.83 ppm / ±0.11 ppm  
SRM Expiration Date: 08/17/2017

First Analysis Data:				Date
Z: 0	R: 150.7	C: 43.3	Conc: 14.5	06/21/2022
R: 151.7	Z: 0	C: 43.5	Conc: 14.6	
Z: 0	C: 43.5	R: 151.6	Conc: 14.6	
UOM: ppm				Mean Test Assay: 14.5 ppm

Second Analysis Data:				Date
Z: 0	R: 0	C: 0	Conc: 0	
R: 0	Z: 0	C: 0	Conc: 0	
Z: 0	C: 0	R: 0	Conc: 0	
UOM: ppm				Mean Test Assay: ppm

Analyzed By

Courtney Zialky

Certified By

Henry Koung

43.5 ppm C1



**CERTIFICATE OF ANALYSIS / EPA PROTOCOL GAS**

**Customer & Order Information**

BEST ENVIRONMENTAL SERVICES  
339 STEALTH CT  
LIVERMORE CA 94551

Certificate Issuance Date: 09/25/2019

Praxair Order Number: 86693821

Part Number: AI PR9ME-AS

Customer PO Number: 9020

Fill Date: 09/19/2019

Lot Number: 70086926203

Cylinder Style & Outlet: AS CGA 590

Cylinder Pressure and Volume: 2000 psig 140 ft3

**Certified Concentration**

Expiration Date:	09/25/2027	NIST Traceable
Cylinder Number:	CC265251	Expanded Uncertainty
9.06 ppm	Propane	± 0.4 %
Balance	Air	

**ProSpec EZ Cert**



**Certification Information:**

Certification Date: 09/25/2019

Term: 96 Months

Expiration Date: 09/25/2027

This cylinder was certified according to the 2012 EPA Tracostability Protocol, Document #EPA-600/R-12/531, using Procedure G1.

Do Not Use this Standard if Pressure is less than 100 PSIG.

**Analytical Data:**

(R=Reference Standard, Z=Zero Gas, C=Gas Candidate)

1. Component: Propane

Requested Concentration: 9 ppm  
 Certified Concentration: 9.06 ppm  
 Instrument Used: Horiba FIA-510, 851135122  
 Analytical Method: FIO Total Hydrocarbon Analyzer  
 Last Multipoint Calibration: 09/17/2019

Reference Standard: Type / Cylinder #: GMIS / CC130474

Concentration / Uncertainty: 9.952 ppm ±0.35%

Expiration Date: 10/16/2023

Traceable to: SRM # / Sample # / Cylinder #: SRM 1668b / 84-K-35 / FF10676

SRM Concentration / Uncertainty: 9.888 PPM / ±0.032 PPM

SRM Expiration Date: 10/05/2019

First Analysis Data:		Date	
Z: 0	R: 27.08	C: 24.64	Conc: 9.06
R: 27.08	Z: 0	C: 24.65	Conc: 9.06
Z: 0	C: 24.65	R: 27.07	Conc: 9.06
UOM: ppm		Mean Test Assay: 9.06 ppm	

Second Analysis Data:				Date
Z: 0	R: 0	C: 0	Conc: 0	
R: 0	Z: 0	C: 0	Conc: 0	
Z: 0	C: 0	R: 0	Conc: 0	
UOM: ppm		Mean Test Assay:		ppm

Analyzed By

Jose Vasquez

Certified By

Jenna Lockman

*THE*  
*27.18ppm*



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Linde Gas & Equipment Inc. 5700 S. Alameda Street Los Angeles CA 90058 Tel: 323-585-2154 Fax: 714-542-6689 PGVP ID: F22022

DocNumber: 502815

CERTIFICATE OF ANALYSIS / EPA PROTOCOL GAS

Customer & Order Information

BEST ENVIRONMENTAL SERVICES 339 STEALTH CT LIVERMORE CA 94551

Certificate Issuance Date: 09/16/2022 Linde Order Number: 77713928 Part Number: NI NO45ME-AS Customer PO Number: 50

Fill Date: 09/01/2022 Lot Number: 70086224409 Cylinder Style & Outlet: AS CGA 660 Cylinder Pressure and Volume: 2000 psig 140 ft3

Certified Concentration

Table with 4 columns: Parameter, Value, Component, Uncertainty. Includes rows for Expiration Date (09/16/2025), Cylinder Number (CC755335), and concentrations for Nitric oxide (45.1 ppm) and Nitrogen (Balance).

ProSpec EZ Cert



For Reference Only:

NOx 45.2 ppm

Certification Information:

Certification Date: 09/16/2022 Term: 36 Months Expiration Date: 09/16/2025

This cylinder was certified according to the 2012 EPA Traceability Protocol, Document #EPA-600/R-12/531, using Procedure G1. Uncertainty above is expressed as absolute expanded uncertainty at a level of confidence of approximately 95% with a coverage factor k = 2. Do Not Use this Standard if Pressure is less than 100 PSIG.

Analytical Data:

(R=Reference Standard, Z=Zero Gas, C=Gas Candidate)

1. Component: Nitric oxide Requested Concentration: 45 ppm Certified Concentration: 45.1 ppm Instrument Used: Thermo Electron 42i-LS S/N 1030645077 Analytical Method: Chemiluminescence Last Multipoint Calibration: 08/29/2022

Reference Standard: Type / Cylinder #: GMS / ND8750 Concentration / Uncertainty: 47.5 ppm ±0.2 ppm Expiration Date: 08/02/2025 Traceable to: SRM # / Sample # / Cylinder #: PRM / C1765710.01 / APEX1324323 SRM Concentration / Uncertainty: 50.04 ppm / ±0.20 ppm SRM Expiration Date: 12/09/2022

Table with 4 columns: Parameter, Value, Component, Conc. First Analysis Data: Z: 0, R: 47.5, C: 45, Conc: 45; R: 47.5, Z: 0, C: 45.1, Conc: 45.1; Z: 0, C: 45.1, R: 47.4, Conc: 45.1; UOM: ppm, Mean Test Assay: 45.1 ppm

Table with 4 columns: Parameter, Value, Component, Conc. Second Analysis Data: Z: 0, R: 47.5, C: 45.1, Conc: 45.1; R: 47.4, Z: 0, C: 45, Conc: 45; Z: 0, C: 45, R: 47.5, Conc: 45; UOM: ppm, Mean Test Assay: 45.1 ppm

Analyzed By

Henry Koung

Certified By

Lisette Morales





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DocNumber: 491105



Linde Gas & Equipment Inc. 5700 S. Alameda Street Los Angeles CA 90058 Tel: 323-585-2154 Fax: 714-542-6689 PGVP ID: F22022

# CERTIFICATE OF ANALYSIS / EPA PROTOCOL GAS

### Customer & Order Information

BEST ENVIRONMENTAL SERVICES  
339 STEALTH CT  
LIVERMORE CA 94551

Certificate Issuance Date: 08/24/2022  
Linde Order Number: 76160962  
Part Number: NI NO22ME-AS  
Customer PO Number: 48

Fill Date: 08/08/2022  
Lot Number: 7008622001  
Cylinder Style & Outlet: AS CGA 660  
Cylinder Pressure and Volume: 2000 psig 140 ft3

### Certified Concentration

Expiration Date:	08/24/2025	NIST Traceable
Cylinder Number:	DT0040666	Expanded Uncertainty
21.9 ppm	Nitric oxide	± 0.2 ppm
Balance	Nitrogen	

Analyst: E2 Cor



### For Reference Only:

NOx 22.0 ppm

### Certification Information:

Certification Date: 08/24/2022 Term: 36 Months Expiration Date: 08/24/2025

This cylinder was certified according to the 2012 EPA Traceability Protocol, Document #EPA-600/R-12/531, using Procedure G1. Uncertainty above is expressed as absolute expanded uncertainty at a level of confidence of approximately 95% with a coverage factor k = 2. Do Not Use this Standard if Pressure is less than 100 PSIG.

### Analytical Data:

(R=Reference Standard, Z=Zero Gas, C=Gas Candidate)

1. Component: Nitric oxide  
 Requested Concentration: 22 ppm  
 Certified Concentration: 21.9 ppm  
 Instrument Used: Thermo Electron 42i-LS S/N 1030645077  
 Analytical Method: Chemiluminescence  
 Last Multipoint Calibration: 08/11/2022

Reference Standard: Type / Cylinder #: GMIS / DT0036306  
 Concentration / Uncertainty: 19.90 ppm ±0.20 ppm  
 Expiration Date: 08/10/2025  
 Traceable to: SRM # / Sample # / Cylinder #: 2629a / 50.-G-17 / FF31691  
 SRM Concentration / Uncertainty: 18.99 ppm / ±0.18 ppm  
 SRM Expiration Date: 10/21/2023

First Analysis Data:				Date
Z: 0	R: 19.9	C: 21.9	Conc: 21.9	08/17/2022
R: 19.9	Z: 0	C: 21.9	Conc: 21.9	
Z: 0	C: 22	R: 19.9	Conc: 22	
UOM: ppm			Mean Test Assay:	21.9 ppm

Second Analysis Data:				Date
Z: 0	R: 19.9	C: 21.9	Conc: 21.9	08/24/2022
R: 19.9	Z: 0	C: 21.8	Conc: 21.8	
Z: 0	C: 21.9	R: 19.9	Conc: 21.9	
UOM: ppm			Mean Test Assay:	21.9 ppm

Analyzed By

Henry Koung

Certified By

Lissette Morales

# CERTIFICATE OF ANALYSIS

## Grade of Product: EPA Protocol

Part Number: E02NI99E15WC004	Reference Number: 48-401989410-1
Cylinder Number: CC503193	Cylinder Volume: 144.0 CF
Laboratory: 124 - Los Angeles (SAP) - CA	Cylinder Pressure: 2015 PSIG
PGVP Number: B32021	Valve Outlet: 660
Gas Code: NO2,BALN	Certification Date: Jan 06, 2021

**Expiration Date: Jan 06, 2024**

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	9.000 PPM	5.979 PPM	G1	+/- 2.1% NIST Traceable	12/28/2020, 01/06/2021
NITROGEN	Balance				

CALIBRATION STANDARDS					
Type	Lot ID	Cylinder No	Concentration	Uncertainty	Expiration Date
GMIS	401206803104	CC511311	9.690 PPM NITROGEN DIOXIDE/NITROGEN	+/- 2.1%	May 02, 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 018335821	FTIR	Jan 06, 2021

Triad Data Available Upon Request



*[Handwritten Signature]*

Approved for Release



WestAir Gases & Equipment, Inc.  
 3001 E. Miraloma Avenue  
 Anaheim, CA 92806  
 Telephone: (714) 860-4830  
 ISO 17025:2017 Accredited Company  
 EPA PGVP ID# W12022

# EPA PROTOCOL

## CERTIFICATE OF ANALYSIS

**CUSTOMER NAME:** Best Environmental  
**ADDRESS:** 339 Stealth Court  
 Livermore, CA 94551

**DATE ISSUED:** 11/17/2022  
**ORDER NUMBER:** 2079367  
**CYLINDER SIZE:** DA  
**VALVE CONNECTION:** CGA 590  
**VOLUME:** 140 scf  
**LOT NUMBER:** 00110922B50  
**FILL PRESSURE :** 2000 psig at 70° F.  
**PART NUMBER:** NI 14E3-DA  
**BARCODE:** WGE000160503

**PURCHASE ORDER #:** 56  
**CERTIFIED DATE:** 11/14/2022  
**EXPIRATION DATE:** 11/15/2030  
**SHELF LIFE (YEARS):** 8

ANALYSIS RESULTS					
ANALYZED CYLINDER SERIAL NUMBER	COMPONENT	REQUESTED CONCENTRATION	CERTIFIED CONCENTRATION	EXPANDED UNCERTAINTY	ASSAY DATES
EB0152935	Carbon Monoxide	90 ppm	94.4 ppm	±0.6 ppm Abs.	11/14/2022
	Carbon Dioxide	18 %	17.79 %	±0.1 % Abs.	11/14/2022
	Oxygen	21 %	21.08 %	±0.1 % Abs.	11/14/2022
	Nitrogen	Balance	Balance	—	—

**Method:** This standard was analyzed according to EPA Traceability Protocol for Assay and Certification of Gaseous Calibration Standards, EPA 600/R-12/531, May 2012, Procedure G1.

DO NOT USE THIS STANDARD WHEN CYLINDER PRESSURE IS BELOW 100 PSIG.

**REFERENCE STANDARDS**

TYPE / SRM, GMIS, PRM	STANDARD	SERIAL NO.	CONCENTRATION	LOT NO.	EXPIRATION
GMIS	Carbon Monoxide	CC720836	99.91 ppm ±0.4 ppm Abs.	00050619F50	7/25/2027
GMIS	Carbon Dioxide	CC720807	18.07 % ±0.028 % Abs.	00050319C50	10/25/2027
GMIS	Oxygen	CC720741	20.979 % ±0.043 % Abs.	00050719C50	7/24/2027
<b>GMIS TRACEABLE TO:</b>					
SRM 1679a	Carbon Monoxide	FF24566	99.28 ppm ±0.4 ppm Abs.	03-K-21	9/25/2022
PRM	Carbon Dioxide	D791384	18.023 % ±0.018 % Abs.	C1688310.04	5/29/2024
SRM 2659a	Oxygen	FF60997	20.753 % ±0.021 % Abs.	71-F-38	2/27/2026

**INSTRUMENTATION INFORMATION**

INSTRUMENT / MODEL	SERIAL NUMBER	CALIBRATION DATE	ANALYTICAL PRINCIPLE
Horiba VA-5001	T9212A39	10/15/2022	NDIR
Horiba VA-5001	ECLG48AU	11/7/2022	NDIR
Horiba VA-5006	NU3PUVL2	10/21/2022	Paramagnetic

**PRINCIPAL ANALYST:** Joseph Guercio

  
 \_\_\_\_\_  
 SIGNATURE DATE 11-17-22

The product furnished under the stated reference lot number has been tested and found to contain the component concentrations listed above. All values are reported in mol/mol basis gas phase. WestAir Gases & Equipment, Inc. warrants that the above product conforms, at the time of shipment, to the above description. WestAir Gases & Equipment, Inc. liability does not exceed the value of the product purchased. Specifications are reviewed annually and are subject to change without notice. This certificate of analysis applies only to the item described and shall not be reproduced, other than in full, without written approval from WestAir Gases & Equipment, Inc. Please do not use cylinder below 100 psig. Note: ppm = µmol/mol.



WestAir Gases & Equipment, Inc.  
 3001 E. Miraloma Avenue  
 Anaheim, CA 92806  
 Telephone: (714) 860-4830  
 ISO 17025:2017 Accredited Company  
 EPA PGVP ID# W12022

# EPA PROTOCOL

## CERTIFICATE OF ANALYSIS

**CUSTOMER NAME:** Best Environmental  
**ADDRESS:** 339 Stealth Court  
 Livermore, CA 94551

**DATE ISSUED:** 12/8/2022  
**ORDER NUMBER:** 2093097  
**CYLINDER SIZE:** DA  
**VALVE CONNECTION:** CGA 590  
**VOLUME:** 140 scf  
**LOT NUMBER:** 00120222D50  
**FILL PRESSURE :** 2000 psig at 70° F.  
**PART NUMBER:** NI 14E4-DA  
**BARCODE:** WGE000138584

**PURCHASE ORDER #:**  
**CERTIFIED DATE:** 12/6/2022  
**EXPIRATION DATE:** 12/7/2030  
**SHELF LIFE (YEARS):** 8

ANALYSIS RESULTS					
ANALYZED CYLINDER SERIAL NUMBER	COMPONENT	REQUESTED CONCENTRATION	CERTIFIED CONCENTRATION	EXPANDED UNCERTAINTY	ASSAY DATES
CC755977	Carbon Monoxide	45 ppm	43.8 ppm	±0.3 ppm Abs.	12/06/2022
	Carbon Dioxide	12 %	12.23 %	±0.1 % Abs.	12/06/2022
	Oxygen	9 %	9.08 %	±0.06 % Abs.	12/06/2022
	Nitrogen	Balance	Balance	—	—

**Method:** This standard was analyzed according to EPA Traceability Protocol for Assay and Certification of Gaseous Calibration Standards, EPA 600/R-12/531, May 2012, Procedure G1.

DO NOT USE THIS STANDARD WHEN CYLINDER PRESSURE IS BELOW 100 PSIG.

**REFERENCE STANDARDS**

TYPE / SRM, GMIS, PRM	STANDARD	SERIAL NO.	CONCENTRATION	LOT NO.	EXPIRATION
GMIS	Carbon Monoxide	CC720763	49.8 ppm ±0.2 ppm Abs.	00050619D50	11/16/2030
GMIS	Carbon Dioxide	CC720807	18.07 % ±0.08 % Abs.	00050319C50	12/2/2030
GMIS	Oxygen	CC720833	10.21 % ±0.05 % Abs.	00040919A50	11/20/2030
<b>GMIS TRACEABLE TO:</b>					
SRM 1678c	Carbon Monoxide	FF18323	49.136 ppm ±0.065 ppm Abs.	04-L-29	4/22/2029
PRM	Carbon Dioxide	D791384	18.023 % ±0.018 % Abs.	C1688310.04	5/29/2024
SRM 2658a	Oxygen	CAL016944	9.918 % ±0.022 % Abs.	72-D-23	2/3/2024

**INSTRUMENTATION INFORMATION**

INSTRUMENT / MODEL	SERIAL NUMBER	CALIBRATION DATE	ANALYTICAL PRINCIPLE
Horiba VA-5001	T9212A39	12/6/2022	NDIR
Horiba VA-5001	ECLG4BAU	11/7/2022	NDIR
Horiba VA-5006	NU3PUVL2	11/22/2022	Paramagnetic

**PRINCIPAL ANALYST:** Joseph Guercio

  
 SIGNATURE \_\_\_\_\_ DATE 12-09-22

The product furnished under the stated reference lot number has been tested and found to contain the component concentrations listed above. All values are reported in mol/mol basis gas phase. WestAir Gases & Equipment, Inc. warrants that the above product conforms, at the time of shipment, to the above description. WestAir Gases & Equipment, Inc. liability does not exceed the value of the product purchased. Specifications are reviewed annually and are subject to change without notice. This certificate of analysis applies only to the item described and shall not be reproduced, other than in full, without written approval from WestAir Gases & Equipment, Inc. Please do not use cylinder below 100 psig. Note: ppm = µmol/mol.

**APPENDIX E**  
**PROCESS DATA**

**City of Mt View  
Shoreline Landfill Flares**

Time Stamp	Flare 1		Flare 2		Flare 3	
	Flow (SCFM)	Temp (°F)	Flow (SCFM)	Temp (°F)	Flow (SCFM)	Temp (°F)
<b>Flare 1 R1</b>						
1/25/23 8:20 AM	111	1626	214	1621	0	42
1/25/23 8:21 AM	112	1626	214	1621	0	42
1/25/23 8:22 AM	111	1627	214	1625	0	42
1/25/23 8:23 AM	111	1626	214	1626	0	42
1/25/23 8:24 AM	111	1624	213	1627	0	42
1/25/23 8:25 AM	112	1623	214	1626	0	42
1/25/23 8:26 AM	112	1624	214	1624	0	42
1/25/23 8:27 AM	112	1624	214	1622	0	42
1/25/23 8:28 AM	112	1625	214	1621	0	43
1/25/23 8:29 AM	112	1627	214	1624	0	43
1/25/23 8:30 AM	111	1628	213	1624	0	43
1/25/23 8:31 AM	112	1627	213	1623	0	43
1/25/23 8:32 AM	111	1629	214	1624	0	43
1/25/23 8:33 AM	111	1630	212	1626	0	43
1/25/23 8:34 AM	111	1629	212	1629	0	43
1/25/23 8:35 AM	112	1630	214	1632	0	43
1/25/23 8:36 AM	112	1633	214	1633	0	43
1/25/23 8:37 AM	111	1630	212	1634	0	43
1/25/23 8:38 AM	111	1618	212	1633	0	43
1/25/23 8:39 AM	111	1621	212	1634	0	43
1/25/23 8:40 AM	111	1636	213	1634	0	43
1/25/23 8:41 AM	112	1624	213	1632	0	44
1/25/23 8:42 AM	111	1617	212	1632	0	44
1/25/23 8:43 AM	111	1619	213	1632	0	44
1/25/23 8:44 AM	111	1632	213	1634	0	44
1/25/23 8:45 AM	111	1626	212	1633	0	44
1/25/23 8:46 AM	111	1615	212	1626	0	44
1/25/23 8:47 AM	112	1630	213	1627	0	44
1/25/23 8:48 AM	111	1630	213	1633	0	44
1/25/23 8:49 AM	111	1617	213	1638	0	44
<b>Average</b>	<b>111</b>	<b>1626</b>	<b>213</b>	<b>1628</b>	<b>0</b>	<b>43</b>
1/25/23 8:50 AM	110	1624	211	1626	0	44
1/25/23 8:51 AM	111	1632	212	1631	0	44
1/25/23 8:52 AM	111	1629	212	1637	0	45
1/25/23 8:53 AM	111	1617	212	1639	0	45
1/25/23 8:54 AM	111	1627	212	1627	0	45
1/25/23 8:55 AM	111	1630	211	1619	0	45
1/25/23 8:56 AM	111	1618	212	1617	0	45
1/25/23 8:57 AM	111	1622	212	1617	0	45
1/25/23 8:58 AM	111	1633	212	1619	0	45
1/25/23 8:59 AM	111	1623	213	1620	0	45
<b>Flare 1 R2</b>						
1/25/23 9:00 AM	111	1616	212	1618	0	45
1/25/23 9:01 AM	112	1616	213	1618	0	45
1/25/23 9:02 AM	111	1628	213	1621	0	46
1/25/23 9:03 AM	112	1634	214	1626	0	46
1/25/23 9:04 AM	111	1622	213	1624	0	46
1/25/23 9:05 AM	111	1617	212	1623	0	46
1/25/23 9:06 AM	112	1633	213	1622	0	46
1/25/23 9:07 AM	111	1624	212	1617	0	46
1/25/23 9:08 AM	112	1619	214	1616	0	46
1/25/23 9:09 AM	112	1629	212	1615	0	46
1/25/23 9:10 AM	111	1631	212	1615	0	47
1/25/23 9:11 AM	111	1618	212	1616	0	47
1/25/23 9:12 AM	112	1625	212	1613	0	47
1/25/23 9:13 AM	111	1635	212	1620	0	47
1/25/23 9:14 AM	111	1622	212	1621	0	47
1/25/23 9:15 AM	111	1615	212	1616	0	47
1/25/23 9:16 AM	111	1625	212	1616	0	47

**City of Mt View  
Shoreline Landfill Flares**

Time Stamp	Flare 1		Flare 2		Flare 3	
	Flow (SCFM)	Temp (°F)	Flow (SCFM)	Temp (°F)	Flow (SCFM)	Temp (°F)
1/25/23 9:17 AM	111	1631	211	1621	0	47
1/25/23 9:18 AM	111	1618	211	1616	0	47
1/25/23 9:19 AM	111	1625	213	1615	0	47
1/25/23 9:20 AM	111	1634	212	1614	0	48
1/25/23 9:21 AM	111	1617	212	1633	0	48
1/25/23 9:22 AM	111	1624	211	1624	0	48
1/25/23 9:23 AM	111	1634	212	1625	0	48
1/25/23 9:24 AM	111	1624	211	1635	0	48
1/25/23 9:25 AM	111	1620	212	1630	0	48
1/25/23 9:26 AM	111	1618	212	1624	0	48
1/25/23 9:27 AM	111	1617	212	1618	0	48
1/25/23 9:28 AM	111	1616	212	1625	0	48
1/25/23 9:29 AM	111	1618	212	1628	0	49
<b>Average</b>	<b>111</b>	<b>1624</b>	<b>212</b>	<b>1621</b>	<b>0</b>	<b>47</b>
1/25/23 9:30 AM	111	1618	211	1628	0	49
1/25/23 9:31 AM	111	1619	212	1632	0	49
1/25/23 9:32 AM	111	1621	213	1630	0	49
1/25/23 9:33 AM	111	1623	211	1616	0	49
1/25/23 9:34 AM	111	1622	212	1623	0	49
1/25/23 9:35 AM	111	1622	212	1630	0	49
1/25/23 9:36 AM	111	1618	212	1629	0	49
1/25/23 9:37 AM	111	1617	212	1629	0	49
1/25/23 9:38 AM	111	1619	212	1629	0	49
1/25/23 9:39 AM	111	1619	212	1630	0	49
1/25/23 9:40 AM	111	1621	211	1630	0	49
<b>Flare 1 R3</b>						
1/25/23 9:41 AM	111	1620	212	1629	0	50
1/25/23 9:42 AM	111	1621	212	1633	0	50
1/25/23 9:43 AM	111	1621	212	1637	0	50
1/25/23 9:44 AM	111	1620	211	1639	0	50
1/25/23 9:45 AM	112	1622	212	1634	0	50
1/25/23 9:46 AM	111	1623	212	1634	0	50
1/25/23 9:47 AM	112	1619	212	1630	0	50
1/25/23 9:48 AM	111	1620	212	1633	0	50
1/25/23 9:49 AM	111	1623	212	1634	0	50
1/25/23 9:50 AM	111	1624	212	1637	0	51
1/25/23 9:51 AM	111	1623	211	1633	0	51
1/25/23 9:52 AM	111	1625	212	1633	0	51
1/25/23 9:53 AM	111	1626	213	1636	0	51
1/25/23 9:54 AM	112	1624	213	1624	0	51
1/25/23 9:55 AM	111	1626	212	1625	0	51
1/25/23 9:56 AM	111	1625	212	1623	0	51
1/25/23 9:57 AM	111	1623	212	1621	0	51
1/25/23 9:58 AM	111	1622	212	1618	0	51
1/25/23 9:59 AM	111	1624	212	1617	0	52
1/25/23 10:00 AM	111	1627	212	1616	0	52
1/25/23 10:01 AM	112	1628	212	1618	0	52
1/25/23 10:02 AM	111	1627	212	1617	0	52
1/25/23 10:03 AM	111	1625	212	1621	0	52
1/25/23 10:04 AM	111	1624	211	1625	0	52
1/25/23 10:05 AM	111	1626	212	1626	0	52
1/25/23 10:06 AM	111	1627	211	1628	0	52
1/25/23 10:07 AM	111	1631	212	1632	0	52
1/25/23 10:08 AM	111	1629	211	1628	0	52
1/25/23 10:09 AM	111	1628	211	1623	0	53
1/25/23 10:10 AM	111	1628	211	1620	0	53
<b>Average</b>	<b>111</b>	<b>1624</b>	<b>212</b>	<b>1627</b>	<b>0</b>	<b>51</b>
1/25/23 10:11 AM	111	1626	212	1623	0	53
1/25/23 10:12 AM	112	1627	212	1630	0	53

**City of Mt View  
Shoreline Landfill Flares**

Time Stamp	Flare 1		Flare 2		Flare 3	
	Flow (SCFM)	Temp (°F)	Flow (SCFM)	Temp (°F)	Flow (SCFM)	Temp (°F)
1/25/23 10:13 AM	112	1629	213	1633	0	53
1/25/23 10:14 AM	111	1634	213	1634	0	53
1/25/23 10:15 AM	112	1635	212	1637	0	53
1/25/23 10:16 AM	111	1635	212	1635	0	53
1/25/23 10:17 AM	111	1633	211	1634	0	54
1/25/23 10:18 AM	111	1634	211	1634	0	54
1/25/23 10:19 AM	111	1633	212	1631	0	54
1/25/23 10:20 AM	111	1635	211	1629	0	54
1/25/23 10:21 AM	111	1630	212	1627	0	54
1/25/23 10:22 AM	111	1623	212	1630	0	54
1/25/23 10:23 AM	111	1623	211	1632	0	54
1/25/23 10:24 AM	111	1622	211	1631	0	54
1/25/23 10:25 AM	111	1622	211	1633	0	55
1/25/23 10:26 AM	112	1623	211	1632	0	55
1/25/23 10:27 AM	112	1625	212	1635	0	55
1/25/23 10:28 AM	112	1626	211	1634	0	55
<b>Flare 2 R1</b>						
1/25/23 10:29 AM	112	1628	212	1634	0	55
1/25/23 10:30 AM	111	1627	211	1638	0	55
1/25/23 10:31 AM	111	1626	211	1627	0	56
1/25/23 10:32 AM	111	1626	212	1622	0	56
1/25/23 10:33 AM	112	1628	212	1620	0	56
1/25/23 10:34 AM	112	1628	212	1617	0	56
1/25/23 10:35 AM	111	1627	211	1618	0	56
1/25/23 10:36 AM	112	1627	212	1620	0	56
1/25/23 10:37 AM	112	1626	212	1621	0	56
1/25/23 10:38 AM	112	1626	212	1624	0	57
1/25/23 10:39 AM	112	1628	212	1626	0	57
1/25/23 10:40 AM	111	1629	211	1621	0	57
1/25/23 10:41 AM	111	1631	211	1620	0	57
1/25/23 10:42 AM	111	1630	212	1621	0	57
1/25/23 10:43 AM	111	1628	211	1617	0	57
1/25/23 10:44 AM	111	1627	211	1618	0	57
1/25/23 10:45 AM	112	1626	212	1621	0	57
1/25/23 10:46 AM	112	1628	212	1622	0	58
1/25/23 10:47 AM	112	1630	212	1621	0	58
1/25/23 10:48 AM	112	1627	212	1619	0	58
1/25/23 10:49 AM	111	1625	212	1619	0	58
1/25/23 10:50 AM	112	1626	212	1619	0	58
1/25/23 10:51 AM	112	1629	213	1620	0	58
1/25/23 10:52 AM	112	1632	213	1621	0	58
1/25/23 10:53 AM	112	1632	212	1621	0	59
1/25/23 10:54 AM	112	1630	212	1622	0	59
1/25/23 10:55 AM	111	1631	212	1622	0	59
1/25/23 10:56 AM	112	1631	211	1621	0	59
1/25/23 10:57 AM	112	1633	213	1619	0	59
1/25/23 10:58 AM	112	1634	213	1624	0	59
<b>Average</b>	<b>112</b>	<b>1628</b>	<b>212</b>	<b>1622</b>	<b>0</b>	<b>57</b>
1/25/23 10:59 AM	112	1632	213	1625	0	59
1/25/23 11:00 AM	112	1621	212	1623	0	59
1/25/23 11:01 AM	112	1619	212	1625	0	60
1/25/23 11:02 AM	112	1619	213	1628	0	60
1/25/23 11:03 AM	112	1619	213	1629	0	60
1/25/23 11:04 AM	112	1618	213	1630	0	60
1/25/23 11:05 AM	112	1619	213	1628	0	60
1/25/23 11:06 AM	112	1618	213	1629	0	60
1/25/23 11:07 AM	112	1618	213	1629	0	60
1/25/23 11:08 AM	112	1619	214	1625	0	60
1/25/23 11:09 AM	112	1620	213	1623	0	61
<b>Flare 2 R2</b>						



**City of Mt View  
Shoreline Landfill Flares**

Time Stamp	Flare 1		Flare 2		Flare 3	
	Flow (SCFM)	Temp (°F)	Flow (SCFM)	Temp (°F)	Flow (SCFM)	Temp (°F)
1/25/23 11:10 AM	112	1620	213	1628	0	61
1/25/23 11:11 AM	112	1618	213	1628	0	61
1/25/23 11:12 AM	112	1620	213	1626	0	61
1/25/23 11:13 AM	112	1622	213	1629	0	61
1/25/23 11:14 AM	112	1620	213	1631	0	61
1/25/23 11:15 AM	112	1618	213	1630	0	61
1/25/23 11:16 AM	112	1621	213	1632	0	61
1/25/23 11:17 AM	112	1619	213	1629	0	62
1/25/23 11:18 AM	112	1622	214	1628	0	62
1/25/23 11:19 AM	113	1622	213	1633	0	62
1/25/23 11:20 AM	112	1621	212	1633	0	62
1/25/23 11:21 AM	112	1622	212	1631	0	62
1/25/23 11:22 AM	112	1623	212	1635	0	62
1/25/23 11:23 AM	112	1623	212	1628	0	62
1/25/23 11:24 AM	112	1622	212	1623	0	62
1/25/23 11:25 AM	112	1623	211	1620	0	62
1/25/23 11:26 AM	112	1622	212	1621	0	62
1/25/23 11:27 AM	112	1624	212	1621	0	63
1/25/23 11:28 AM	112	1625	212	1623	0	63
1/25/23 11:29 AM	112	1625	212	1622	0	63
1/25/23 11:30 AM	112	1624	212	1619	0	63
1/25/23 11:31 AM	112	1621	212	1619	0	63
1/25/23 11:32 AM	112	1624	212	1621	0	63
1/25/23 11:33 AM	111	1626	212	1621	0	63
1/25/23 11:34 AM	112	1626	212	1621	0	63
1/25/23 11:35 AM	112	1624	213	1621	0	63
1/25/23 11:36 AM	111	1624	212	1621	0	63
1/25/23 11:37 AM	112	1624	213	1618	0	63
1/25/23 11:38 AM	112	1623	212	1619	0	63
1/25/23 11:39 AM	112	1624	212	1621	0	63
<b>Average</b>	<b>112</b>	<b>1622</b>	<b>212</b>	<b>1625</b>	<b>0</b>	<b>62</b>
1/25/23 11:40 AM	112	1623	213	1622	0	63
1/25/23 11:41 AM	112	1625	212	1622	0	63
1/25/23 11:42 AM	112	1625	212	1620	0	63
1/25/23 11:43 AM	112	1629	212	1621	0	63
1/25/23 11:44 AM	112	1632	213	1622	0	63
1/25/23 11:45 AM	112	1631	212	1622	0	63
1/25/23 11:46 AM	112	1631	213	1621	0	63
1/25/23 11:47 AM	112	1633	213	1623	0	63
1/25/23 11:48 AM	112	1630	213	1625	0	63
1/25/23 11:49 AM	112	1626	214	1624	0	64
1/25/23 11:50 AM	112	1626	214	1624	0	64
1/25/23 11:51 AM	113	1627	214	1627	0	64
1/25/23 11:52 AM	113	1626	214	1627	0	64
1/25/23 11:53 AM	113	1629	214	1627	0	64
1/25/23 11:54 AM	113	1632	214	1632	0	64
1/25/23 11:55 AM	112	1631	213	1632	0	64
1/25/23 11:56 AM	113	1630	214	1629	0	64
1/25/23 11:57 AM	112	1631	213	1630	0	64
1/25/23 11:58 AM	113	1631	213	1631	0	64
1/25/23 11:59 AM	112	1629	213	1630	0	64
<b>Flare 2 R3</b>						
1/25/23 12:00 PM	113	1626	213	1629	0	64
1/25/23 12:01 PM	112	1630	214	1629	0	65
1/25/23 12:02 PM	113	1633	213	1631	0	65
1/25/23 12:03 PM	113	1630	213	1637	0	65
1/25/23 12:04 PM	112	1633	213	1638	0	65
1/25/23 12:05 PM	113	1632	214	1637	0	65
1/25/23 12:06 PM	113	1624	215	1633	0	65
1/25/23 12:07 PM	113	1623	214	1635	0	65

**City of Mt View  
Shoreline Landfill Flares**

Time Stamp	Flare 1		Flare 2		Flare 3	
	Flow (SCFM)	Temp (°F)	Flow (SCFM)	Temp (°F)	Flow (SCFM)	Temp (°F)
1/25/23 12:08 PM	113	1626	214	1637	0	65
1/25/23 12:09 PM	113	1627	214	1636	0	65
1/25/23 12:10 PM	113	1627	214	1634	0	65
1/25/23 12:11 PM	113	1629	213	1638	0	65
1/25/23 12:12 PM	113	1630	214	1637	0	65
1/25/23 12:13 PM	113	1628	214	1638	0	65
1/25/23 12:14 PM	113	1626	213	1637	0	65
1/25/23 12:15 PM	113	1627	214	1630	0	66
1/25/23 12:16 PM	113	1627	214	1626	0	66
1/25/23 12:17 PM	113	1627	214	1630	0	66
1/25/23 12:18 PM	113	1627	214	1633	0	66
1/25/23 12:19 PM	113	1628	214	1636	0	66
1/25/23 12:20 PM	113	1630	214	1632	0	66
1/25/23 12:21 PM	113	1632	215	1621	0	66
1/25/23 12:22 PM	113	1634	215	1623	0	66
1/25/23 12:23 PM	113	1635	214	1627	0	66
1/25/23 12:24 PM	113	1634	214	1629	0	66
1/25/23 12:25 PM	113	1632	214	1626	0	66
1/25/23 12:26 PM	113	1626	214	1624	0	66
1/25/23 12:27 PM	113	1626	214	1624	0	66
1/25/23 12:28 PM	113	1629	213	1623	0	66
1/25/23 12:29 PM	113	1633	215	1624	0	66
<b>Average</b>	<b>113</b>	<b>1629</b>	<b>214</b>	<b>1631</b>	<b>0</b>	<b>65</b>
1/25/23 12:30 PM	113	1629	214	1627	0	66
1/25/23 12:31 PM	113	1627	214	1629	0	66
1/25/23 12:32 PM	113	1627	215	1628	0	66
1/25/23 12:33 PM	75	1596	224	1634	0	66
1/25/23 12:34 PM	0	1425	126	1798	0	66
1/25/23 12:35 PM	0	1239	15	1585	0	66
1/25/23 12:36 PM	0	1079	0	1307	0	66
1/25/23 12:37 PM	0	954	24	1121	49	67
1/25/23 12:38 PM	0	856	1	986	206	70
1/25/23 12:39 PM	0	775	0	881	0	66
1/25/23 12:40 PM	0	707	0	797	0	66
1/25/23 12:41 PM	0	652	0	728	0	66
1/25/23 12:42 PM	0	606	0	670	0	67
1/25/23 12:43 PM	0	566	0	619	97	71
1/25/23 12:44 PM	0	530	0	575	594	96
1/25/23 12:45 PM	0	499	0	537	853	576
1/25/23 12:46 PM	0	470	0	503	735	1506
1/25/23 12:47 PM	0	443	0	474	645	1809
1/25/23 12:48 PM	0	417	0	448	563	1701
1/25/23 12:49 PM	0	394	0	425	506	1686
1/25/23 12:50 PM	0	373	0	404	468	1647
1/25/23 12:51 PM	0	354	0	385	433	1643
1/25/23 12:52 PM	0	337	0	368	409	1630
1/25/23 12:53 PM	0	321	0	352	396	1627
1/25/23 12:54 PM	0	307	0	338	387	1627
1/25/23 12:55 PM	0	294	0	325	382	1625
1/25/23 12:56 PM	0	282	0	313	377	1624
1/25/23 12:57 PM	0	271	0	302	371	1623
1/25/23 12:58 PM	0	261	0	292	371	1625
1/25/23 12:59 PM	0	251	0	282	365	1630
<b>Flare 3 R1</b>						
1/25/23 1:00 PM	0	242	0	273	368	1633
1/25/23 1:01 PM	0	234	0	265	363	1621
1/25/23 1:02 PM	0	226	0	257	361	1629
1/25/23 1:03 PM	0	219	0	250	357	1632
1/25/23 1:04 PM	0	213	0	244	359	1631
1/25/23 1:05 PM	0	206	0	237	360	1628

**City of Mt View  
Shoreline Landfill Flares**

Time Stamp	Flare 1		Flare 2		Flare 3	
	Flow (SCFM)	Temp (°F)	Flow (SCFM)	Temp (°F)	Flow (SCFM)	Temp (°F)
1/25/23 1:06 PM	0	201	0	231	360	1626
1/25/23 1:07 PM	0	196	0	225	363	1627
1/25/23 1:08 PM	0	191	0	219	360	1621
1/25/23 1:09 PM	0	186	0	214	359	1621
1/25/23 1:10 PM	0	181	0	209	354	1632
1/25/23 1:11 PM	0	177	0	205	355	1633
1/25/23 1:12 PM	0	173	0	200	358	1629
1/25/23 1:13 PM	0	169	0	196	359	1623
1/25/23 1:14 PM	0	165	0	192	360	1617
1/25/23 1:15 PM	0	162	0	188	361	1622
1/25/23 1:16 PM	0	158	0	184	360	1631
1/25/23 1:17 PM	0	156	0	180	359	1632
1/25/23 1:18 PM	0	152	0	177	359	1634
1/25/23 1:19 PM	0	150	0	174	358	1621
1/25/23 1:20 PM	0	147	0	171	357	1618
1/25/23 1:21 PM	0	144	0	168	359	1617
1/25/23 1:22 PM	0	142	0	166	358	1618
1/25/23 1:23 PM	0	139	0	163	358	1620
1/25/23 1:24 PM	0	137	0	161	358	1624
1/25/23 1:25 PM	0	135	0	159	358	1624
1/25/23 1:26 PM	0	132	0	157	358	1626
1/25/23 1:27 PM	0	130	0	154	358	1625
1/25/23 1:28 PM	0	128	0	152	360	1625
1/25/23 1:29 PM	0	127	0	150	360	1624
<b>Average</b>	<b>0</b>	<b>171</b>	<b>0</b>	<b>197</b>	<b>359</b>	<b>1625</b>
1/25/23 1:30 PM	0	125	0	148	359	1623
1/25/23 1:31 PM	0	124	0	146	359	1617
1/25/23 1:32 PM	0	122	0	145	358	1617
1/25/23 1:33 PM	0	121	0	143	357	1621
1/25/23 1:34 PM	0	120	0	141	357	1622
1/25/23 1:35 PM	0	118	0	140	358	1626
1/25/23 1:36 PM	0	117	0	138	357	1624
1/25/23 1:37 PM	0	116	0	136	361	1629
1/25/23 1:38 PM	0	115	0	135	361	1626
1/25/23 1:39 PM	0	114	0	133	359	1624
1/25/23 1:40 PM	0	113	0	132	359	1624
1/25/23 1:41 PM	0	112	0	130	358	1619
<b>Flare 3 R2</b>						
1/25/23 1:42 PM	0	111	0	129	358	1618
1/25/23 1:43 PM	0	110	0	128	358	1619
1/25/23 1:44 PM	0	109	0	126	357	1624
1/25/23 1:45 PM	0	108	0	125	359	1625
1/25/23 1:46 PM	0	107	0	124	359	1621
1/25/23 1:47 PM	0	107	0	123	359	1616
1/25/23 1:48 PM	0	106	0	122	358	1622
1/25/23 1:49 PM	0	105	0	121	358	1629
1/25/23 1:50 PM	0	104	0	119	357	1623
1/25/23 1:51 PM	0	104	0	118	358	1622
1/25/23 1:52 PM	0	103	0	117	356	1630
1/25/23 1:53 PM	0	102	0	116	356	1635
1/25/23 1:54 PM	0	102	0	116	357	1635
1/25/23 1:55 PM	0	101	0	115	357	1625
1/25/23 1:56 PM	0	100	0	114	356	1617
1/25/23 1:57 PM	0	100	0	113	355	1625
1/25/23 1:58 PM	0	99	0	112	354	1628
1/25/23 1:59 PM	0	99	0	111	356	1618
1/25/23 2:00 PM	0	98	0	110	357	1619
1/25/23 2:01 PM	0	98	0	110	356	1620
1/25/23 2:02 PM	0	97	0	109	357	1619
1/25/23 2:03 PM	0	97	0	108	356	1618

**City of Mt View  
Shoreline Landfill Flares**

Time Stamp	Flare 1		Flare 2		Flare 3	
	Flow (SCFM)	Temp (°F)	Flow (SCFM)	Temp (°F)	Flow (SCFM)	Temp (°F)
1/25/23 2:04 PM	0	96	0	107	353	1616
1/25/23 2:05 PM	0	96	0	107	357	1617
1/25/23 2:06 PM	0	95	0	106	358	1622
1/25/23 2:07 PM	0	95	0	105	358	1629
1/25/23 2:08 PM	0	94	0	104	359	1630
1/25/23 2:09 PM	0	94	0	104	359	1628
1/25/23 2:10 PM	0	94	0	103	358	1623
1/25/23 2:11 PM	0	93	0	103	358	1624
<b>Average</b>	<b>0</b>	<b>101</b>	<b>0</b>	<b>115</b>	<b>357</b>	<b>1623</b>
1/25/23 2:12 PM	0	93	0	102	359	1630
1/25/23 2:13 PM	0	92	0	102	357	1626
1/25/23 2:14 PM	0	92	0	101	357	1623
1/25/23 2:15 PM	0	92	0	101	357	1621
1/25/23 2:16 PM	0	91	0	100	356	1624
1/25/23 2:17 PM	0	91	0	100	356	1625
1/25/23 2:18 PM	0	91	0	99	356	1622
1/25/23 2:19 PM	0	90	0	99	355	1618
1/25/23 2:20 PM	0	90	0	98	358	1621
1/25/23 2:21 PM	0	90	0	98	357	1621
<b>Flare 3 R3</b>						
1/25/23 2:22 PM	0	90	0	98	355	1617
1/25/23 2:23 PM	0	89	0	97	356	1626
1/25/23 2:24 PM	0	89	0	97	355	1627
1/25/23 2:25 PM	0	89	0	96	357	1616
1/25/23 2:26 PM	0	89	0	96	356	1619
1/25/23 2:27 PM	0	88	0	95	358	1623
1/25/23 2:28 PM	0	88	0	95	355	1624
1/25/23 2:29 PM	0	88	0	95	355	1623
1/25/23 2:30 PM	0	88	0	94	357	1621
1/25/23 2:31 PM	0	87	0	94	357	1621
1/25/23 2:32 PM	0	87	0	93	356	1622
1/25/23 2:33 PM	0	87	0	93	357	1627
1/25/23 2:34 PM	0	87	0	92	357	1631
1/25/23 2:35 PM	0	86	0	92	358	1627
1/25/23 2:36 PM	0	86	0	92	356	1625
1/25/23 2:37 PM	0	86	0	92	356	1630
1/25/23 2:38 PM	0	86	0	91	356	1632
1/25/23 2:39 PM	0	86	0	91	357	1628
1/25/23 2:40 PM	0	85	0	91	356	1624
1/25/23 2:41 PM	0	85	0	90	357	1623
1/25/23 2:42 PM	0	85	0	90	357	1624
1/25/23 2:43 PM	0	85	0	90	359	1627
1/25/23 2:44 PM	0	85	0	89	356	1628
1/25/23 2:45 PM	0	84	0	89	356	1625
1/25/23 2:46 PM	0	84	0	89	355	1626
1/25/23 2:47 PM	0	84	0	88	357	1625
1/25/23 2:48 PM	0	84	0	88	358	1623
1/25/23 2:49 PM	0	84	0	88	357	1624
1/25/23 2:50 PM	0	84	0	88	358	1625
1/25/23 2:51 PM	0	83	0	87	358	1627
<b>Average</b>	<b>0</b>	<b>86</b>	<b>0</b>	<b>92</b>	<b>357</b>	<b>1625</b>

**City Of Mt View**  
**Shoreline Landfill Microturbines**

Timestamp	Inlet Flow (scfm)	Flare - Micro Turbine		SPS - Micro Turbine	
		Power Output (Watt)	Exh. Temp (° F)	Power Output (Watt)	Exhaust Temp (° F)
<b>Flare R1</b>					
1/24/23 9:51 AM	41.46	64,183	1,174	64,827	1,175
1/24/23 9:52 AM	41.45	64,286	1,174	64,726	1,176
1/24/23 9:53 AM	41.44	64,389	1,174	64,915	1,174
1/24/23 9:54 AM	41.44	63,858	1,174	65,099	1,175
1/24/23 9:55 AM	41.43	64,257	1,175	64,653	1,175
1/24/23 9:56 AM	41.42	64,200	1,174	65,032	1,174
1/24/23 9:57 AM	41.42	64,314	1,174	64,806	1,175
1/24/23 9:58 AM	41.41	64,348	1,173	64,668	1,175
1/24/23 9:59 AM	41.41	64,083	1,174	64,877	1,174
1/24/23 10:00 AM	41.40	64,125	1,174	64,852	1,174
1/24/23 10:01 AM	41.39	64,338	1,175	64,906	1,173
1/24/23 10:02 AM	41.39	64,369	1,175	64,960	1,176
1/24/23 10:03 AM	41.38	64,221	1,174	65,014	1,175
1/24/23 10:04 AM	41.37	64,243	1,174	65,068	1,174
1/24/23 10:05 AM	41.37	64,260	1,175	65,121	1,175
1/24/23 10:06 AM	41.36	64,228	1,173	65,016	1,175
1/24/23 10:07 AM	41.36	64,010	1,175	64,845	1,175
1/24/23 10:08 AM	41.35	63,994	1,175	64,750	1,174
1/24/23 10:09 AM	41.34	64,084	1,175	64,806	1,175
1/24/23 10:10 AM	41.34	64,173	1,175	64,862	1,175
1/24/23 10:11 AM	41.33	64,000	1,175	64,918	1,175
1/24/23 10:12 AM	41.32	64,037	1,175	64,974	1,175
1/24/23 10:13 AM	41.32	64,126	1,175	64,921	1,175
1/24/23 10:14 AM	41.31	64,215	1,175	65,017	1,175
1/24/23 10:15 AM	41.31	63,947	1,176	64,728	1,176
1/24/23 10:16 AM	41.30	63,859	1,176	65,017	1,174
1/24/23 10:17 AM	41.29	63,770	1,176	64,831	1,175
1/24/23 10:18 AM	41.29	63,259	1,176	64,983	1,174
1/24/23 10:19 AM	41.28	63,707	1,175	64,905	1,175
1/24/23 10:20 AM	41.27	64,028	1,175	64,829	1,174
<b>Average</b>	<b>41.36</b>	<b>64,097</b>	<b>1,175</b>	<b>64,898</b>	<b>1,175</b>
1/24/23 10:21 AM	41.27	63,929	1,176	64,871	1,174
1/24/23 10:22 AM	41.26	63,831	1,176	64,913	1,175
1/24/23 10:23 AM	41.26	63,040	1,175	64,955	1,175
1/24/23 10:24 AM	41.25	63,284	1,175	64,997	1,175
1/24/23 10:25 AM	41.25	63,128	1,174	65,039	1,175
1/24/23 10:26 AM	41.25	62,989	1,174	65,081	1,175
1/24/23 10:27 AM	41.24	63,081	1,174	64,963	1,175
1/24/23 10:28 AM	41.24	63,064	1,174	65,183	1,174
1/24/23 10:29 AM	41.24	63,198	1,175	64,866	1,174
<b>Flare R2</b>					
1/24/23 10:30 AM	41.24	63,359	1,175	64,915	1,174
1/24/23 10:31 AM	41.24	63,622	1,175	64,963	1,174
1/24/23 10:32 AM	41.23	63,285	1,176	65,012	1,174
1/24/23 10:33 AM	41.23	62,721	1,175	65,061	1,175
1/24/23 10:34 AM	41.23	62,660	1,175	64,882	1,175
1/24/23 10:35 AM	41.23	62,463	1,175	65,086	1,175
1/24/23 10:36 AM	41.22	62,704	1,175	64,944	1,174
1/24/23 10:37 AM	41.22	62,577	1,176	64,733	1,174
1/24/23 10:38 AM	41.22	62,582	1,176	64,687	1,175
1/24/23 10:39 AM	41.22	62,347	1,175	64,795	1,176
1/24/23 10:40 AM	41.22	62,662	1,175	64,676	1,175
1/24/23 10:41 AM	41.21	62,732	1,175	65,003	1,175
1/24/23 10:42 AM	41.21	62,567	1,175	65,129	1,175
1/24/23 10:43 AM	41.21	62,186	1,175	64,883	1,175
1/24/23 10:44 AM	41.21	62,369	1,176	65,105	1,174
1/24/23 10:45 AM	41.21	62,770	1,176	64,892	1,175
1/24/23 10:46 AM	41.20	62,508	1,176	64,967	1,176

**City Of Mt View  
Shoreline Landfill Microturbines**

Timestamp	Inlet Flow (scfm)	Flare - Micro Turbine		SPS - Micro Turbine	
		Power Output (Watt)	Exh. Temp (° F)	Power Output (Watt)	Exhaust Temp (° F)
1/24/23 10:47 AM	41.20	62,248	1,176	65,042	1,174
1/24/23 10:48 AM	41.20	62,584	1,175	64,915	1,174
1/24/23 10:49 AM	41.20	62,492	1,175	64,858	1,174
1/24/23 10:50 AM	41.20	62,343	1,175	64,734	1,174
1/24/23 10:51 AM	41.19	62,238	1,175	65,154	1,174
1/24/23 10:52 AM	41.19	62,133	1,175	64,795	1,174
1/24/23 10:53 AM	41.19	62,996	1,175	64,994	1,174
1/24/23 10:54 AM	41.19	63,054	1,175	64,834	1,174
1/24/23 10:55 AM	41.19	62,571	1,175	64,975	1,174
1/24/23 10:56 AM	41.18	62,403	1,175	64,785	1,174
1/24/23 10:57 AM	41.18	62,606	1,175	64,605	1,174
1/24/23 10:58 AM	41.18	62,415	1,175	64,859	1,174
1/24/23 10:59 AM	41.18	62,531	1,175	64,911	1,174
<b>Average</b>	41.21	62,624	1,175	64,907	1,175
1/24/23 11:00 AM	41.17	63,163	1,175	64,962	1,174
1/24/23 11:01 AM	41.17	62,823	1,175	65,014	1,174
1/24/23 11:02 AM	41.17	62,720	1,175	65,066	1,174
1/24/23 11:03 AM	41.17	62,408	1,174	65,118	1,174
1/24/23 11:04 AM	41.17	62,239	1,175	64,912	1,175
1/24/23 11:05 AM	41.16	62,085	1,174	64,738	1,175
1/24/23 11:06 AM	41.16	61,931	1,174	64,582	1,175
1/24/23 11:07 AM	41.16	61,737	1,174	64,425	1,175
1/24/23 11:08 AM	41.16	61,557	1,174	64,269	1,175
1/24/23 11:09 AM	41.16	61,381	1,173	64,644	1,175
<b>Flare R3</b>					
1/24/23 11:10 AM	41.15	62,117	1,174	64,694	1,175
1/24/23 11:11 AM	41.15	61,595	1,174	64,745	1,175
1/24/23 11:12 AM	41.15	61,985	1,174	64,796	1,176
1/24/23 11:13 AM	41.15	61,791	1,175	64,847	1,176
1/24/23 11:14 AM	41.15	61,656	1,175	64,350	1,175
1/24/23 11:15 AM	41.14	61,550	1,175	64,371	1,175
1/24/23 11:16 AM	41.14	61,177	1,176	64,654	1,175
1/24/23 11:17 AM	41.14	61,446	1,175	64,633	1,175
1/24/23 11:18 AM	41.14	61,567	1,174	64,712	1,175
1/24/23 11:19 AM	41.14	61,607	1,175	64,531	1,175
1/24/23 11:20 AM	41.13	61,451	1,175	64,286	1,175
1/24/23 11:21 AM	41.13	61,652	1,175	64,297	1,175
1/24/23 11:22 AM	41.13	61,287	1,176	64,363	1,175
1/24/23 11:23 AM	41.13	61,221	1,175	64,429	1,175
1/24/23 11:24 AM	41.12	61,349	1,175	64,495	1,175
1/24/23 11:25 AM	41.09	61,049	1,174	64,492	1,175
1/24/23 11:26 AM	41.06	61,109	1,174	64,349	1,175
1/24/23 11:27 AM	41.04	61,333	1,174	64,281	1,175
1/24/23 11:28 AM	41.01	61,363	1,174	64,228	1,175
1/24/23 11:29 AM	40.98	61,381	1,174	64,175	1,175
1/24/23 11:30 AM	40.95	60,874	1,174	64,122	1,175
1/24/23 11:31 AM	40.92	61,229	1,174	64,010	1,175
1/24/23 11:32 AM	40.89	61,230	1,175	63,899	1,175
1/24/23 11:33 AM	40.87	61,086	1,175	63,787	1,175
1/24/23 11:34 AM	40.84	61,232	1,175	63,847	1,175
1/24/23 11:35 AM	40.81	61,216	1,174	64,078	1,175
1/24/23 11:36 AM	40.78	61,403	1,175	64,160	1,175
1/24/23 11:37 AM	40.75	61,161	1,174	63,946	1,175
1/24/23 11:38 AM	40.73	60,930	1,175	63,824	1,175
1/24/23 11:39 AM	40.70	61,019	1,175	63,747	1,175
<b>Average</b>	41.02	61,369	1,175	64,305	1,175
<b>SPS R1</b>					
1/24/23 12:12 PM	40.55	59,763	1,175	63,315	1,174

**City Of Mt View  
Shoreline Landfill Microturbines**

Timestamp	Inlet Flow (scfm)	Flare - Micro Turbine		SPS - Micro Turbine	
		Power Output (Watt)	Exh. Temp (° F)	Power Output (Watt)	Exhaust Temp (° F)
1/24/23 12:13 PM	40.59	59,749	1,175	63,234	1,174
1/24/23 12:14 PM	40.64	60,441	1,174	63,082	1,174
1/24/23 12:15 PM	40.69	59,955	1,174	62,959	1,174
1/24/23 12:16 PM	40.73	59,658	1,174	63,438	1,175
1/24/23 12:17 PM	40.78	59,398	1,174	63,232	1,175
1/24/23 12:18 PM	40.83	59,437	1,175	63,359	1,175
1/24/23 12:19 PM	40.87	59,518	1,174	63,087	1,175
1/24/23 12:20 PM	40.92	59,794	1,175	62,821	1,175
1/24/23 12:21 PM	40.96	60,011	1,175	62,442	1,175
1/24/23 12:22 PM	41.01	59,712	1,175	62,268	1,175
1/24/23 12:23 PM	41.06	59,358	1,176	62,094	1,175
1/24/23 12:24 PM	41.10	58,586	1,174	61,793	1,175
1/24/23 12:25 PM	41.15	58,943	1,175	61,967	1,175
1/24/23 12:26 PM	41.20	58,929	1,174	61,414	1,174
1/24/23 12:27 PM	41.24	59,302	1,175	62,243	1,174
1/24/23 12:28 PM	41.29	59,291	1,175	62,078	1,174
1/24/23 12:29 PM	41.33	59,203	1,175	62,161	1,175
1/24/23 12:30 PM	41.38	58,607	1,175	62,222	1,175
1/24/23 12:31 PM	41.43	58,513	1,175	62,148	1,175
1/24/23 12:32 PM	41.47	58,826	1,176	62,075	1,175
1/24/23 12:33 PM	41.52	59,068	1,175	61,887	1,174
1/24/23 12:34 PM	41.57	58,999	1,175	61,894	1,174
1/24/23 12:35 PM	41.61	59,398	1,175	61,979	1,174
1/24/23 12:36 PM	41.66	59,192	1,175	62,001	1,174
1/24/23 12:37 PM	41.70	58,757	1,176	62,199	1,174
1/24/23 12:38 PM	41.75	59,264	1,175	62,154	1,174
1/24/23 12:39 PM	40.40	59,571	1,175	61,987	1,174
1/24/23 12:40 PM	39.97	59,139	1,175	61,835	1,175
1/24/23 12:41 PM	39.68	58,564	1,175	61,759	1,175
<b>Average</b>	<b>41.04</b>	<b>59,298</b>	<b>1,175</b>	<b>62,371</b>	<b>1,175</b>
1/24/23 12:42 PM	39.65	58,079	1,174	61,684	1,175
1/24/23 12:43 PM	39.63	58,810	1,174	61,817	1,175
1/24/23 12:44 PM	39.60	58,639	1,174	61,944	1,175
1/24/23 12:45 PM	39.58	58,946	1,174	61,857	1,174
1/24/23 12:46 PM	39.55	59,189	1,175	61,771	1,174
1/24/23 12:47 PM	39.53	59,019	1,174	61,628	1,174
1/24/23 12:48 PM	39.50	58,942	1,175	61,485	1,175
1/24/23 12:49 PM	39.48	58,892	1,175	61,607	1,175
1/24/23 12:50 PM	39.45	58,881	1,175	61,730	1,174
1/24/23 12:51 PM	39.43	58,530	1,176	61,694	1,174
<b>SPS R2</b>					
1/24/23 12:52 PM	39.40	58,002	1,176	61,420	1,175
1/24/23 12:53 PM	39.38	57,486	1,175	61,328	1,175
1/24/23 12:54 PM	39.35	57,612	1,176	61,236	1,175
1/24/23 12:55 PM	39.33	57,354	1,174	61,144	1,175
1/24/23 12:56 PM	39.30	57,554	1,175	60,903	1,175
1/24/23 12:57 PM	39.28	57,549	1,174	61,314	1,175
1/24/23 12:58 PM	39.25	57,112	1,174	60,447	1,175
1/24/23 12:59 PM	39.23	57,491	1,174	60,838	1,174
1/24/23 1:00 PM	39.20	57,958	1,174	61,238	1,174
1/24/23 1:01 PM	39.18	58,291	1,174	61,091	1,175
1/24/23 1:02 PM	39.15	58,173	1,173	60,945	1,175
1/24/23 1:03 PM	39.13	58,560	1,175	60,601	1,175
1/24/23 1:04 PM	39.10	58,635	1,174	60,551	1,174
1/24/23 1:05 PM	39.07	58,711	1,174	60,442	1,174
1/24/23 1:06 PM	39.05	58,120	1,175	61,008	1,175
1/24/23 1:07 PM	39.02	57,901	1,174	60,828	1,175
1/24/23 1:08 PM	39.00	58,299	1,174	61,067	1,175
1/24/23 1:09 PM	38.97	58,641	1,175	60,934	1,175

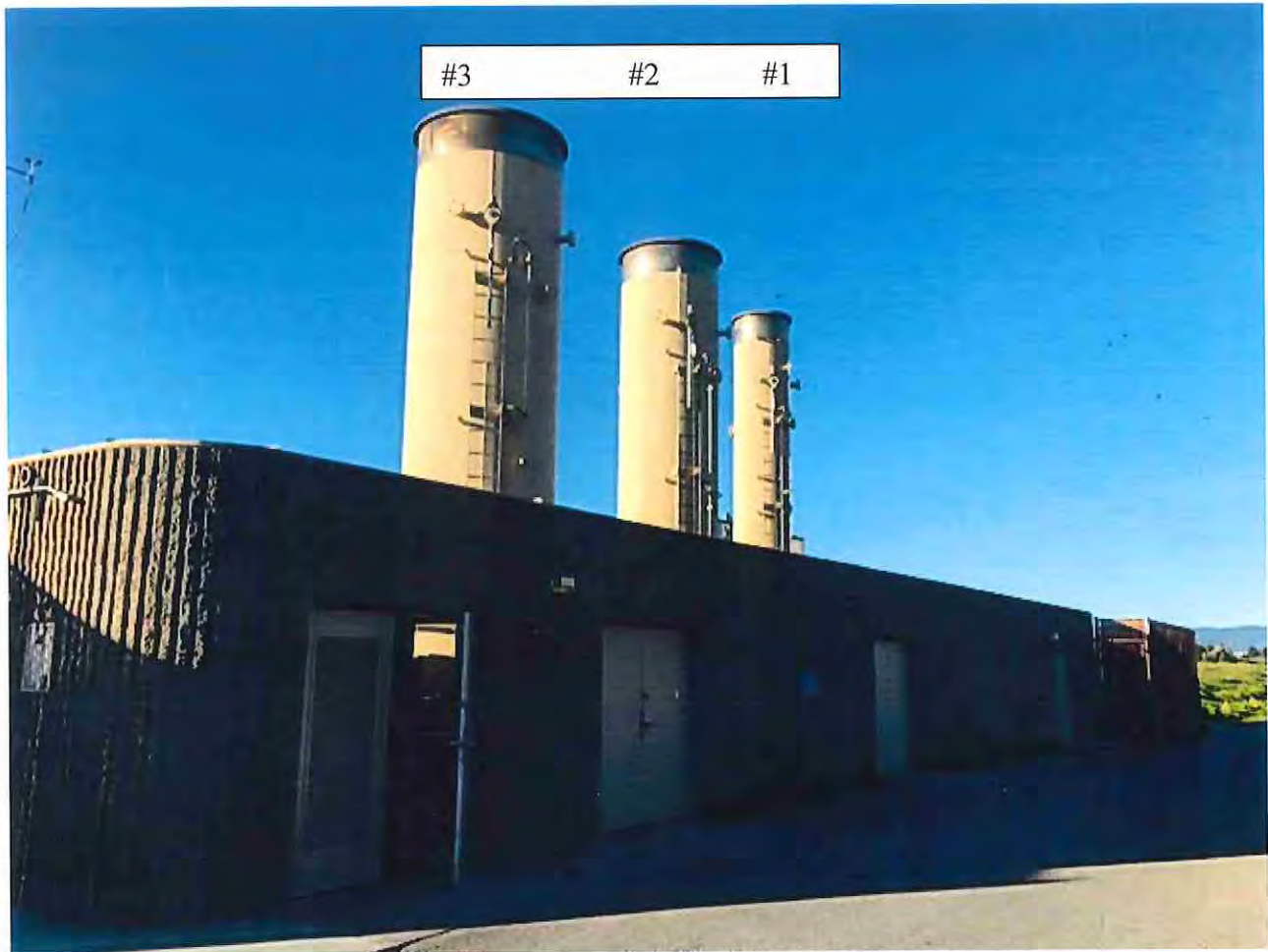
**City Of Mt View  
Shoreline Landfill Microturbines**

<i>Timestamp</i>	<i>Inlet Flow (scfn)</i>	<u>Flare - Micro Turbine</u>		<u>SPS - Micro Turbine</u>	
		<i>Power Output (Watt)</i>	<i>Exh. Temp (°F)</i>	<i>Power Output (Watt)</i>	<i>Exhaust Temp (°F)</i>
1/24/23 1:10 PM	38.95	58,846	1,175	60,801	1,174
1/24/23 1:11 PM	38.92	58,453	1,174	60,668	1,174
1/24/23 1:12 PM	38.90	57,919	1,174	60,535	1,174
1/24/23 1:13 PM	38.87	57,969	1,175	60,276	1,174
1/24/23 1:14 PM	38.85	57,673	1,174	60,474	1,174
1/24/23 1:15 PM	38.82	58,524	1,175	59,947	1,174
1/24/23 1:16 PM	38.80	58,560	1,174	59,436	1,174
1/24/23 1:17 PM	38.77	58,535	1,175	59,881	1,175
1/24/23 1:18 PM	38.75	58,403	1,175	61,352	1,175
1/24/23 1:19 PM	38.72	58,026	1,174	60,666	1,175
1/24/23 1:20 PM	38.70	57,409	1,174	60,830	1,175
1/24/23 1:21 PM	38.67	57,634	1,175	60,746	1,175
<b>Average</b>	<b>39.04</b>	<b>58,047</b>	<b>1,175</b>	<b>60,765</b>	<b>1,175</b>
1/24/23 1:22 PM	38.65	57,486	1,175	60,872	1,176
1/24/23 1:23 PM	38.62	57,701	1,175	60,713	1,176
1/24/23 1:24 PM	38.60	57,553	1,175	60,555	1,176
1/24/23 1:25 PM	38.57	57,424	1,175	60,274	1,175
1/24/23 1:26 PM	38.56	57,477	1,174	61,100	1,175
1/24/23 1:27 PM	38.55	57,580	1,174	60,216	1,175
1/24/23 1:28 PM	38.54	57,419	1,174	60,499	1,175
1/24/23 1:29 PM	38.53	56,618	1,174	61,247	1,175
1/24/23 1:30 PM	38.52	57,299	1,174	61,056	1,175
1/24/23 1:31 PM	38.51	56,775	1,174	60,800	1,176
<b>SPS R3</b>					
1/24/23 1:32 PM	38.50	56,824	1,174	60,785	1,175
1/24/23 1:33 PM	38.49	56,583	1,174	61,013	1,174
1/24/23 1:34 PM	38.48	57,171	1,174	61,109	1,174
1/24/23 1:35 PM	38.47	57,357	1,175	60,751	1,174
1/24/23 1:36 PM	38.46	57,213	1,174	61,095	1,174
1/24/23 1:37 PM	38.45	56,982	1,174	61,227	1,175
1/24/23 1:38 PM	38.44	57,127	1,174	61,203	1,175
1/24/23 1:39 PM	38.43	56,634	1,174	60,635	1,175
1/24/23 1:40 PM	38.42	57,235	1,175	60,761	1,175
1/24/23 1:41 PM	38.42	57,097	1,175	60,999	1,175
1/24/23 1:42 PM	38.41	56,822	1,174	60,824	1,175
1/24/23 1:43 PM	38.40	56,849	1,174	60,739	1,175
1/24/23 1:44 PM	38.39	56,318	1,174	60,888	1,175
1/24/23 1:45 PM	38.38	57,162	1,176	60,828	1,175
1/24/23 1:46 PM	38.37	56,884	1,175	60,222	1,175
1/24/23 1:47 PM	38.36	56,860	1,175	60,363	1,175
1/24/23 1:48 PM	38.35	56,720	1,175	60,227	1,175
1/24/23 1:49 PM	38.34	56,375	1,174	60,071	1,175
1/24/23 1:50 PM	38.33	56,410	1,175	60,340	1,175
1/24/23 1:51 PM	38.32	56,838	1,175	60,174	1,175
1/24/23 1:52 PM	38.31	57,122	1,175	60,348	1,175
1/24/23 1:53 PM	38.30	57,079	1,175	60,117	1,175
1/24/23 1:54 PM	38.29	56,244	1,175	59,921	1,175
1/24/23 1:55 PM	38.28	56,805	1,174	60,016	1,175
1/24/23 1:56 PM	38.28	56,448	1,174	60,386	1,175
1/24/23 1:57 PM	38.27	55,823	1,174	60,137	1,175
1/24/23 1:58 PM	38.26	56,151	1,174	60,083	1,175
1/24/23 1:59 PM	38.25	56,173	1,175	59,848	1,175
1/24/23 2:00 PM	38.24	55,984	1,175	59,698	1,175
1/24/23 2:01 PM	38.23	55,036	1,175	59,771	1,175
<b>Average</b>	<b>38.36</b>	<b>56,678</b>	<b>1,175</b>	<b>60,486</b>	<b>1,174</b>



**APPENDIX F**  
**STACK DIAGRAMS**

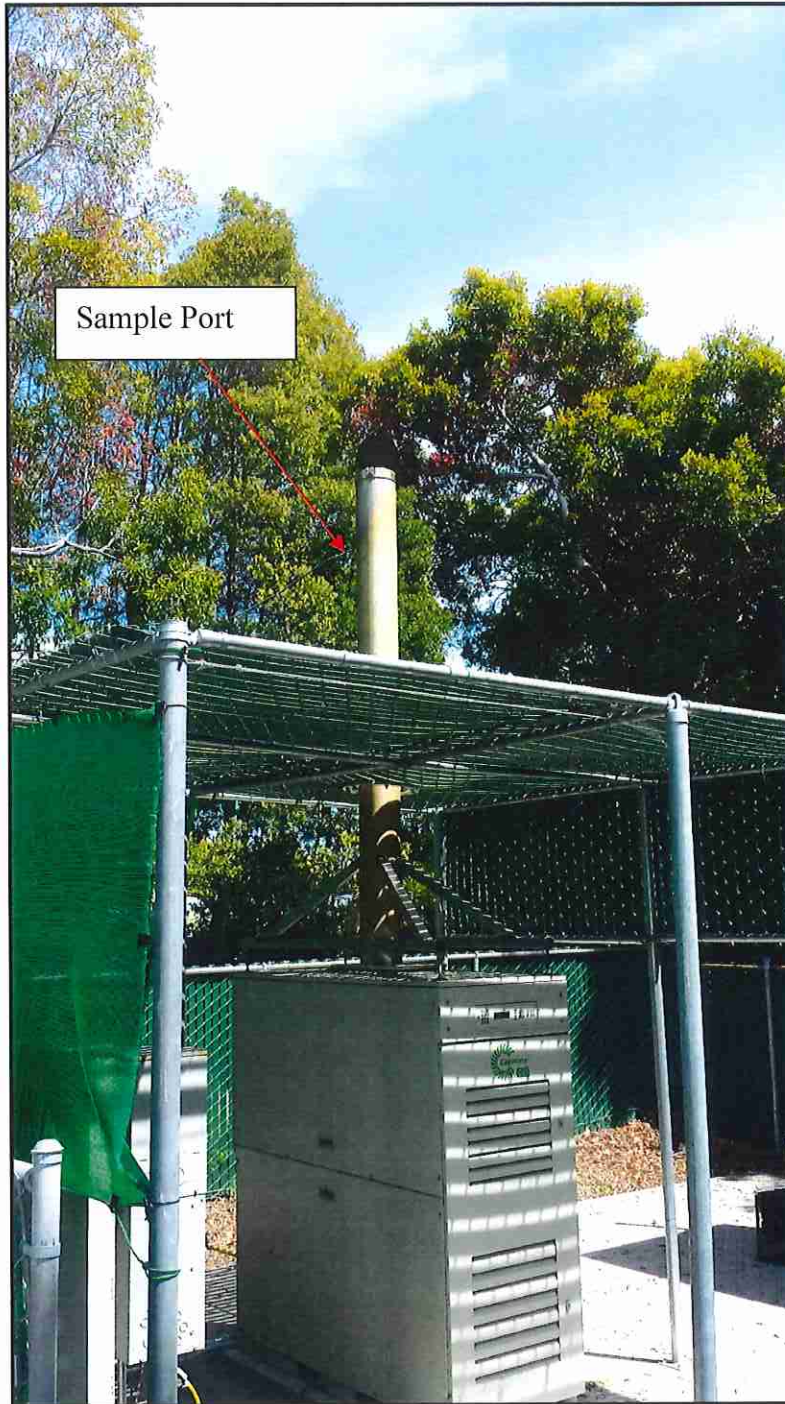
**City of Mountain View @ Shoreline Landfill  
3 Landfill Gas Flares  
Plant #2740 (A-6, A-7 & A-8)**



**City of Mountain View @ Shoreline Landfill  
Landfill Gas Microturbine  
Plant #2740 (S-16)**

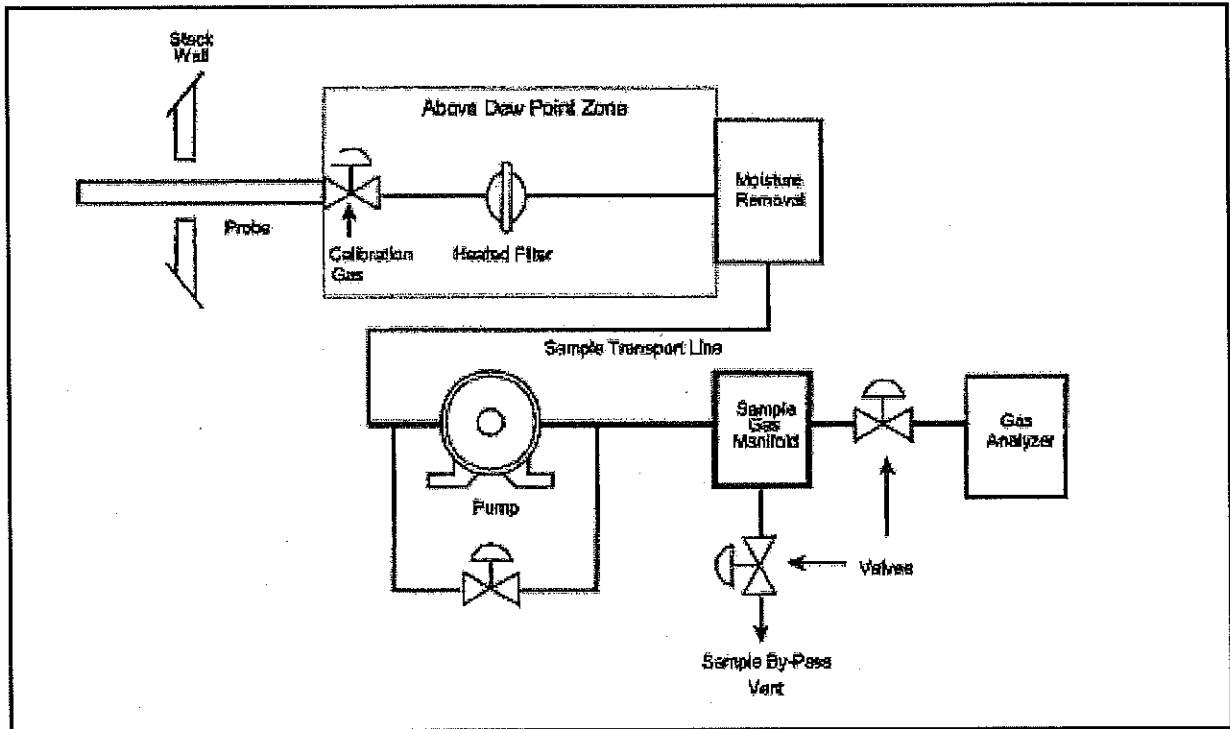


**City of Mountain View @ Shoreline Landfill  
Landfill Gas Microturbine  
Plant #2740 (S-17)**



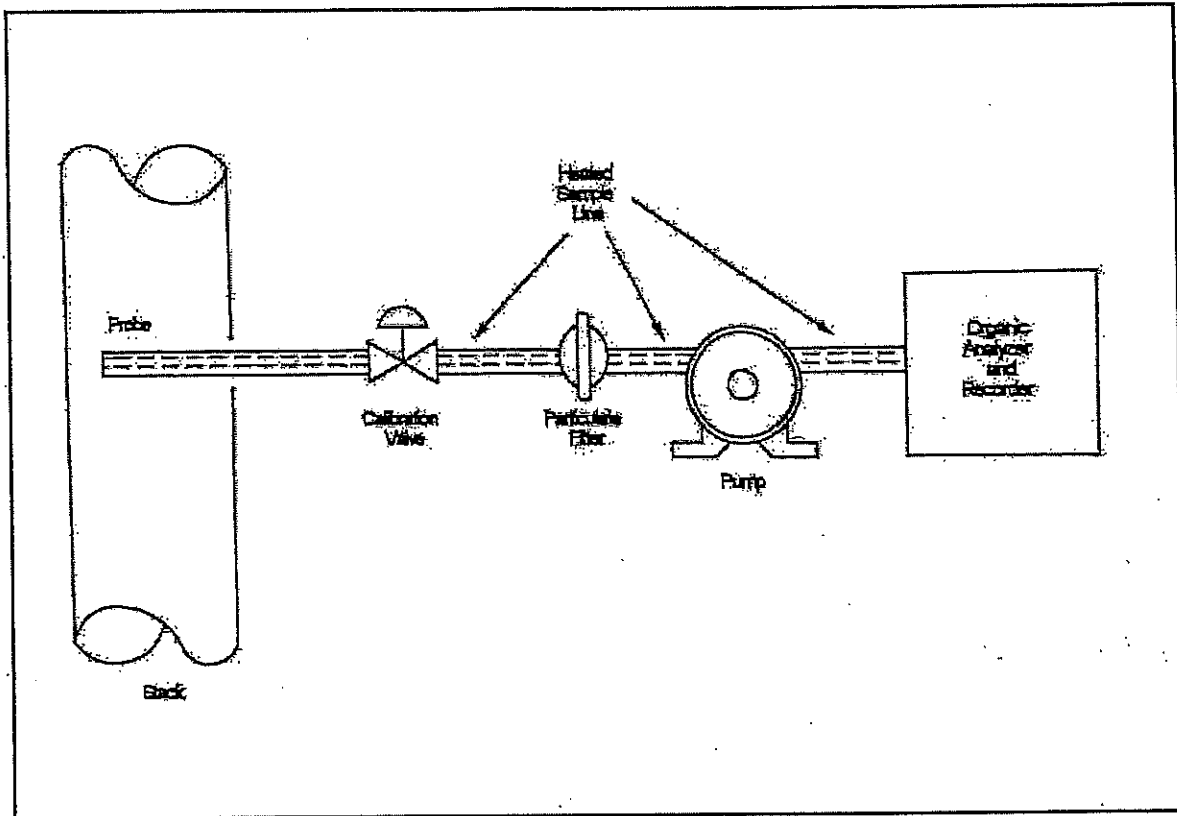
**APPENDIX G**  
**SAMPLING SYSTEM DIAGRAMS**

**EPA Methods 3A, 6C, 7E & 10**



**CEM Sampling Train**

**EPA Method 25A**



**Organic Concentration Measurement System**

**APPENDIX H**  
**SOURCE TEST PLAN & NST**



## Bill Johnston

---

**From:** Bobby Asfour  
**Sent:** Friday, February 24, 2023 12:01 PM  
**To:** Bill Johnston  
**Subject:** Fwd: NST-8071(A6) 8072(A7) 8073(A8) 8074(S16) 8075(S17: NST Request-City of Mountain View  
**Attachments:** image002.png; image003.png; NST Request form.pdf; Protocol-City of Mountain View-3 flares-2 microturbines.pdf; Contractor ST Supplemental Form.docx

Let me know if you have any questions.

Thanks,  
Basim Asfour (Bobby)  
Best Environmental  
339 Stealth Court  
Livermore, CA 94551  
925/455-9474 x103 ph  
510/719-0769 cell  
bobby@best-enviro.com  
www.best-enviro.com

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Begin forwarded message:

**From:** Gloria Espena <GEspena@baaqmd.gov>  
**Date:** January 24, 2023 at 4:40:36 PM PST  
**To:** Bobby Asfour <bobby@best-enviro.com>, Marco Hernandez <MHernandez@baaqmd.gov>  
**Cc:** "Sharma, Ankit" <Ankit.Sharma@mountainview.gov>  
**Subject:** NST-8071(A6) 8072(A7) 8073(A8) 8074(S16) 8075(S17: NST Request-City of Mountain View

**NST-8071(A6) 8072(A7) 8073(A8) 8074(S16) 8075(S17)** has been assigned the pending 1/25-26/23 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](mailto:GEspena@baaqmd.gov) and cc: [MHernandez@baaqmd.gov](mailto:MHernandez@baaqmd.gov).

If you have other questions, please contact Marco Hernandez at [mhernandez@baaqmd.gov](mailto: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](mailto:gespena@baaqmd.gov) | [www.baaqmd.gov](http://www.baaqmd.gov)

**From:** Bobby Asfour <[bobby@best-enviro.com](mailto:bobby@best-enviro.com)>

**Sent:** Tuesday, January 10, 2023 4:46 PM

**To:** Gloria Espena <[GEspena@baaqmd.gov](mailto:GEspena@baaqmd.gov)>; Marco Hernandez <[MHernandez@baaqmd.gov](mailto:MHernandez@baaqmd.gov)>

**Cc:** Sharma, Ankit <[Ankit.Sharma@mountainview.gov](mailto:Ankit.Sharma@mountainview.gov)>

**Subject:** NST Request-City of Mountain View

**CAUTION:** This email originated from outside of the BAAQMD network. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Hi Gloria,

Please see the attached protocol and NST Request for the above referenced facility.

Let me know if you have any questions.

Thanks,

*Bobby Asfour (Bobby)*

Best Environmental  
339 Stealth Court  
Livermore, CA 94551  
925/455-9474 x103 ph  
510/719-0769 cell  
[bobby@best-enviro.com](mailto:bobby@best-enviro.com)  
[www.best-enviro.com](http://www.best-enviro.com)

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**BEST ENVIRONMENTAL**  
339 Stealth Court  
Livermore, California 94551  
(925) 455-9474 FAX (925) 455-9479  
[bestair@best-enviro.com](mailto:bestair@best-enviro.com)  
[www.best-enviro.com](http://www.best-enviro.com)

**BAAQMD NOTICE OF SOURCE TEST (NST) REQUEST AND PROCEDURE APPROVAL FORM**

Site Number: A2740

Plant Name: CITY OF MOUNTAIN VIEW, Shoreline Landfill, 2600 Shoreline Blvd., Mountain View CA

Plant Contact: Rene Munoz

Phone: 650 903-6770

Testing Company: Best Environmental

Testing Contact: Bobby Asfour

Phone: 925-455-9474 x 103

Purpose: Routine annual compliance, Permit Conditions 16065 & 24989

Sources: A-6, A-7, A-8, S-16 & S-17

Description: 3 Flares & 2 microturbines

Test Parameters:

**Flares: Condition 16065**

Outlet: NOx, CO, O2, CH4, NMOC, Flow

Inlet: Gas BTU, N2, O2, CO2, Total Reduced Sulfur, LFG speciation section 16/Flow Rate NMOC & CH4 DRE,

Combustion zone Temperature, LFG Flow

Methods to be Used:

Outlet: EPA Methods 3A, 7E, 10, 18 & 25A

EPA Method 19

Inlet: ASTM D-1945/3588 & 6228

EPA Methods 18, 25C & TO-15

3 X 30-MIN RUNS EACH FLARE

**Microturbines: Condition 24989**

Outlet: O2, CH4, NMOC, Flow

Inlet: Gas BTU, N2, O2, CO2, Flow Rate NMOC & CH4 DRE Combustion zone Temperature, KW Load

Methods to be Used:

Outlet: BAAQMD ST-7, ST-14

EPA Method 19

Inlet: ASTM D-1945/3588, EPA Method 25C

3 X 30-MIN RUNS EACH MICRO-TURBINE

\*See attached protocol for more information.

**Test Dates: January 25 & 26, 2022**

## Bill Johnston

---

**From:** Bobby Asfour  
**Sent:** Tuesday, January 24, 2023 8:14 AM  
**To:** Marco Hernandez  
**Cc:** Gloria Espena; Sharma, Ankit; Bill Johnston  
**Subject:** Re: NST Request-City of Mountain View

Hi Marco,

I think I messed up the dates. Testing should be today and tomorrow. 1/24 & 1/25. We can include NOX and CO with the micro turbine testing.

Let me know if you have any questions.

Thanks,  
Basim Asfour (Bobby)  
Best Environmental  
339 Stealth Court  
Livermore, CA 94551  
925/455-9474 x103 ph  
510/719-0769 cell  
bobby@best-enviro.com  
www.best-enviro.com

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On Jan 23, 2023, at 12:39 PM, Marco Hernandez <MHernandez@baaqmd.gov> wrote:

Bobby,

Unless I'm not reading and/or interpreting properly, Cond. # 24989 (S-16 & 17) part 1, is requiring NOx, CO, VOC and NMOC, see excerpt you sent me below.

# **Source Test Protocol**

## **CITY OF MOUNTAIN VIEW @ SHORELINE LANDFILL**

**Mountain View, CA**

**Plant #2740**

**Three Landfill Gas Fired Flares [A-6, A-7 & A-8] &  
Two Landfill Gas Fired Micro-Turbines [S-16 & S-17]**

**Prepared For:**

City of Mountain View  
Public Works Division  
231 North Whisman Road  
Mountain View, CA 94043  
Attn: Ankit Sharma

**Submitted To:**

Bay Area Air Quality Management District  
375 Beale Street, Suite 600  
San Francisco, CA 94105-2066  
Attn: Gloria Espena

**Prepared By:**

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

Date Issued: January 10, 2022

**SUMMARY INFORMATION**

**Source Test Information**

**General Information**

Source Owner: City of Mountain View  
 Source Location: Shoreline Landfill  
 2600 Shoreline Boulevard  
 Mountain View, CA 94043  
 Contact: Ankit Sharma  
 Phone: (650) 903-6283  
 Source Description: Three flares and two micro turbines fired on landfill gas.  
 (A-6, A-7, A-8, S-16 & S-17)

**Test Parameters & Limits:**

**Flares-Condition 16065**

NOx: 15 ppm @ 15% O<sub>2</sub>,  
 CO: 83 ppm @ 15% O<sub>2</sub>,  
 NMOC: 30 ppm @ 3% O<sub>2</sub> as Methane or 98% DRE  
 CH<sub>4</sub>: ≥ 99% DRE  
 LFG Sulfur: 150 ppmv

**Microturbines-Condition 24989**

NMOC: 120 ppm @ 3% O<sub>2</sub> as Methane or 98% DRE  
 CH<sub>4</sub>: ≥ 99% DRE

Source Testing Firm: **BEST ENVIRONMENTAL (BE)**  
 339 Stealth Court  
 Livermore, CA 94551  
 Phone: (925) 455-9474  
 Fax: (925) 455-9479  
 Contact: Regan Best or Bobby Asfour

Testing Date(s): January 25 & 26, 2022

Analytical Laboratories: **Atmospheric Analysis & Consultants  
 (LFG Organics & NMOC)**  
 1534 Eastman Avenue, Ste. A  
 Ventura, CA 93003  
 Attn: Marcus Hueppe  
 Phone: (805) 650-1642

**BEST ENVIRONMENTAL (BE) [VOC, CH<sub>4</sub> & Sulfur  
 compounds, Fuel HHV, C<sub>1</sub>-C<sub>6</sub>+, O<sub>2</sub>, CO<sub>2</sub>, N<sub>2</sub>, THC, CH<sub>4</sub> &  
 NMOC]**  
 339 Stealth Court  
 Livermore, CA 94551  
 Phone: (925) 455-9474

**1.0 Introduction:**

The Source testing program objective is to determine annual compliance with respect to BAAQMD monitoring and emission requirements (Permit to Operate, Plant #2740, Conditions # 16065 & 24989, District Regulation 8-34-301.3 and 8-34-412). Meeting these objectives will require Continuous Emissions Monitoring (CEM) of O<sub>2</sub>, CO<sub>2</sub>, NO<sub>x</sub>, CO, CH<sub>4</sub>, THC & NMOC at each flare outlet and O<sub>2</sub>, CH<sub>4</sub>, THC & NMOC at each microturbine outlet. As well as composition (NMOC, C<sub>1</sub>-C<sub>6</sub>, O<sub>2</sub>, CO<sub>2</sub>, CH<sub>4</sub>, N<sub>2</sub> & BTU) of the landfill gas (LFG). Additionally, a landfill gas characterization (speciated organic and sulfur compounds) will be determined for this source test.

**The equipment should be operated at normal load during the testing.**

**2.0 Emission Source Information:**

The City of Mountain View operates three flares and two micro turbines at the Shoreline landfill.

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

The landfill gas fired Micro-Turbines are also control devices for the treatment of landfill gas (mainly methane, carbon dioxide and nitrogen) that is generated from the decomposition of waste. The gas is collected in a network of interconnected pipes from several vertical extraction wells that draw a vacuum on the vapors in the landfill. The vapors are treated to remove condensate, particulate material, siloxanes and heavy hydrocarbons, and then they are incinerated in the combustion chamber of the Micro-Turbines. The Micro-Turbines are rated at 65kW and are operated 24 hours per day.

Each unit is required to comply with the following limits.

Source	Equipment	Limits
A-6	Flare	NO <sub>x</sub> 15 ppm @ 15% O <sub>2</sub> ,
A-7	Flare	CO 83 ppm @ 15% O <sub>2</sub> ,
A-8	Flare	NMOC 30 ppm @ 3% O <sub>2</sub> as Methane or 98% DRE, CH <sub>4</sub> ≥ 99% DRE
S-16	Microturbine	NMOC 120 ppm @ 3% O <sub>2</sub> as Methane
S-17	Microturbine	CH <sub>4</sub> ≥ 99% DRE

\*Additionally, all units are required to comply with 9 ppmv SO<sub>2</sub> @ 15% O<sub>2</sub> at the outlet or alternatively 150 ppmv TRS as H<sub>2</sub>S in the landfill gas.

**\*Facility provided temperature and LFG flow data will be included in the final report.**

### 3.0 Source Testing Program Description:

#### Overview of Sampling-Each Flare - Condition 16065

Triplicate 30-minute test runs will be performed on each outlet for O<sub>2</sub>, NO<sub>x</sub>, CO, THC, CH<sub>4</sub> and TNMHC. During each test run, bag samples will be collected through activated charcoal, and analyzed through the back of the THC analyzer for Methane (CH<sub>4</sub>) determination at the end of each run. NMOC is assumed equal to total non-methane hydrocarbons. During each test run all relevant data (landfill gas flow & combustion temp.) will be monitored for compliance purposes. Fuel flow, stack O<sub>2</sub> and BTU gas combustion factors will be used to calculate the dry standard stack flow rate (DSCFM) and heat input load (MMBtu/hr). Triplicate landfill gas (LFG) samples will be collected concurrent with each run and analyzed for THC, CH<sub>4</sub> & NMOC. **Triplicate LFG samples** for each unit will be collected and analyzed for gas composition including C<sub>1</sub>-C<sub>6</sub>+, CH<sub>4</sub>, N<sub>2</sub>, O<sub>2</sub>, CO<sub>2</sub> and higher heating values (HHV-BTU). **Triplicate samples** of the landfill gas will also be collected and analyzed for speciated organic (VOC) and inorganic (sulfur) compounds. Methane and NMOC destruction efficiency will be determined for each flare to comply with State of California Assembly Bill 32 (AB32).

Parameter	Location	Method(s)	Duration	# of Runs
THC, CH <sub>4</sub> , NMOC, NO <sub>x</sub> , CO & O <sub>2</sub>	Exhaust	EPA Methods 3A, 7E, 10 & 25A	30 mins	3
Flow Rate, DSCFM	Exhaust	EPA 19	30 mins	3
Flow Rate, SCFM**	Inlet	Gas Metering System	30 mins	3
NMOC, THC & CH <sub>4</sub>	Inlet	EPA 18	~30 mins	3
C1-C6, O <sub>2</sub> , CO <sub>2</sub> , CH <sub>4</sub> , N <sub>2</sub> & BTU	Inlet	ASTM D-1945/3588	~30 mins	3
O <sub>2</sub> , CO <sub>2</sub> , N <sub>2</sub> , THC, CH <sub>4</sub> , NMOC, LFG organics & sulfur compounds*	Inlet	ASTM D-1945, EPA TO-15, 25C & ASTM D-6228	~30 mins	3*

**\*Will include regulated compounds listed in EPA's AP-42 Table 2.4-1. Three samples will be collected for all testing.**

**\*\*Gas metering system calibrations will be included in the final report.**

**Adequate sample containers will be used for each collected sample. The lab report will include a statement confirming this.**



**Overview of Sampling- Each Micro-turbine - Condition 24898**

Triplicate 30-minute test runs will be performed on each outlet for O<sub>2</sub>, THC, CH<sub>4</sub> and TNMHC. During each test run, bag samples will be collected through activated charcoal, and analyzed through the back of the THC analyzer for Methane (CH<sub>4</sub>) determination at the end of each run. NMOC is assumed equal to total non-methane hydrocarbons. During each test run all relevant data (landfill gas flow & combustion temp.) will be monitored for compliance purposes. Fuel flow, stack O<sub>2</sub> and BTU gas combustion factors will be used to calculate the dry standard stack flow rate (DSCFM) and heat input load (MMBtu/hr). Triplicate landfill gas (LFG) samples will be collected concurrent with each run and analyzed for THC, CH<sub>4</sub> & NMOC. A single LFG sample for each unit will be collected and analyzed for gas composition including; C<sub>1</sub>-C<sub>6</sub>+, CH<sub>4</sub>, N<sub>2</sub>, O<sub>2</sub>, CO<sub>2</sub> and higher heating values (HHV-BTU). Methane destruction efficiency will be determined for each microturbine to comply with State of California Assembly Bill 32 (AB32).

Parameter	Location	Method(s)	Duration	# of Runs
THC, CH <sub>4</sub> , NMOC & O <sub>2</sub>	Exhaust	BAAQMD ST-7 & 14	30 mins	3
Flow Rate, DSCFM	Exhaust	EPA 19	30 mins	3
THC, CH <sub>4</sub> , NMOC	Inlet	EPA Method 18	30 mins	3
Flow Rate, SCFM	Inlet	Gas Metering System	30 mins	3
C1-C6, O <sub>2</sub> , CO <sub>2</sub> , CH <sub>4</sub> , N <sub>2</sub> & BTU	Inlet	ASTM D-1945/3588	~30 mins	3

#### 4.0 Source Testing Procedures:

This section is intended to provide an overview of the sampling strategy and does not attempt to summarize the sampling procedures, which are described in detail in the reference methods.

EPA Methods 7E (NO<sub>x</sub>), 10 (CO), 18/25A (THC, CH<sub>4</sub> & NMOC), 3A (O<sub>2</sub>), EPA Method 18 (LFG THC, CH<sub>4</sub> & NMOC), ASTM D-1945/3588 (C1-C6, O<sub>2</sub>, CO<sub>2</sub>, CH<sub>4</sub>, N<sub>2</sub> & BTU), EPA Method TO-15 & D-6228 (Landfill gas characterization & TRS) and EPA Method 19 (DSCFM) will be used to determine emission compliance.

**For the Continuous Emission Monitoring procedures (EPA Methods 7E, 10 & 3A)**, a sample is extracted from the exhaust stack conditioned and analyzed by continuous monitoring gas analyzers in a test van. The sampling system consists of a stainless-steel sample probe, heated Teflon sample line, glass-fiber particulate filter, glass moisture-condensation knockouts, Teflon sample transfer tubing, diaphragm pump and a stainless steel/Teflon manifold and flow control system. A constant sample and calibration gas supply pressure of 5 PSI is provided to each analyzer to avoid pressure variable response errors. The entire sampling system is leak checked before and after the sampling program. The BE sampling and analytical system is checked for linearity with zero, mid and high span calibrations, and is checked for system bias at the beginning and end of each test run. System bias is determined by pulling calibration gas through the entire sampling system. Individual test run calibrations will use the calibration gas that most closely matches the stack gas effluent. The calibration gases will be selected to fall approximately within the following instrument ranges; 80 to 90 percent for the high calibration, 40 to 60 percent for the mid range, and zero. Zero and calibration drift values and system bias will be determined for each test run. A stratification check is performed on the source during the first test run.

The following system and test criteria will be monitored **(EPA Methods 7E, 3A, & 10)**:

Parameter	Limits
<b>System Criteria</b>	
Instrument Linearity	± 2% Calibration Span or ± 0.5 diff.
System Bias	± 5% Calibration Span or ± 0.5 diff.
Calibration Gas	± 2% Value
NO <sub>x</sub> converter efficiency	>90%
<b>Test Criteria</b>	
Instrument Zero Drift	± 3% Calibration Span or ± 0.5 diff.
Instrument Span Drift	± 3% Calibration Span or ± 0.5 diff.

**EPA 25A (THC/VOC by FID)** is an accepted method for the determination of Total Hydrocarbons (THC), Volatile Organic Compounds (VOC) and methane (CH<sub>4</sub>) [THC=VOC+CH<sub>4</sub>]. A flame ionization detector (FID) total hydrocarbon continuous monitor is used for the sampling. The sampling and calibrations are performed through an all heated sample line connected directly to the THC analyzer without the removal of moisture. The FID in the analyzer is heated to 180 °C. The calibration gases are selected to fall within the following instrument ranges; 80 to 90 percent for the high calibration, 45 to 55 percent for the mid range calibration, 25 to 35 percent for the low range calibration and zero. Zero and mid calibration drift values are determined for each test run. A methane cutter and/or activated charcoal can be used to determine ROC's. Bag samples can be collected through activated charcoal (scrubbing out

the ROC) during each run and analyzed at the end of each run with the THC analyzer to determine the stack gas methane content.

**EPA Method 25A will meet the following QA/QC method requirements:**

System Criteria		
Instrument Linearity		≤5% Calibration Gas Conc.
Test Criteria		
Instrument Zero Drift		≤3% Span Range
Instrument Span Drift		≤3% Span Range

**BAAQMD ST-7 & 14.** For the Continuous Emission Monitoring procedures, a sample is extracted from the exhaust stack conditioned and analyzed by continuous monitoring gas analyzers in a test van. The sampling system consists of a stainless-steel sample probe, heated Teflon sample line, glass-fiber particulate filter, glass moisture-condensation knockouts, Teflon sample transfer tubing, diaphragm pump and a stainless steel/Teflon manifold and flow control system. A constant sample and calibration gas supply pressure of 5 PSI is provided to each analyzer to avoid pressure variable response errors. The entire sampling system is leak checked before and after the sampling program. The BE sampling and analytical system is calibrated with zero and high span calibration gases. Zero and calibration drift values will be determined for each test.

All calibration gases are EPA Protocol #1 rated or are traceable to the National Institute of Standards and Technology. Calibration gas certificates will be included in the final test report. The analyzer data recording system consists of a strip chart recorder and computer data acquisition system (DAS).

The following continuous monitoring analyzers or equivalents will be used:

<u>Parameter</u>	<u>Make Model</u>	<u>Principle</u>
THC/CH <sub>4</sub>	CAI 300M	H-FID
NO <sub>x</sub>	CAI 600CLD	Chemiluminescence
O <sub>2</sub>	CAI 110P	Paramagnetic
CO	TECO 48i	IR

The following expected concentrations and calibration ranges are proposed for the flares. Certain gases may be substituted depending on availability at the time of testing.

	<u>Expected</u>	
THC/CH <sub>4</sub>	0-20ppm	Range 0-100 or 0-300
NO <sub>x</sub>	10-30 ppm	Range 0-50 or 0-100
O <sub>2</sub>	12-14%	Range 0-25
CO	0-300ppm	Range 0-500

All calibration gases are EPA Protocol #1 rated or are traceable to the National Institute of Standards and Technology. Calibration gas certificates will be included in the final test report. The analyzer data recording system consists of a Computer Data Acquisition System (DAS).

**EPA Method 18** is used to determine speciated hydrocarbons (C<sub>1</sub>, C<sub>2</sub> & C<sub>3</sub>+) emissions by gas chromatograph / Flame Ionization Detection (GC/FID). Gaseous emissions are drawn through a Teflon sample line to a tedlar bag located in a rigid leak proof bag container. Sample is drawn into the bag by evacuating the container to stack gas pressure to allow sample flow without using a pump to avoid contamination. Negative pressure is adjusted to maintain an integrated sample flow between 20 to 60 minutes. The bag samples are taken to a laboratory and analyzed within 72 hours. The results are reported as methane with a detection limit of 0.5 ppm for non-methane non-ethane organic compounds (C<sub>3</sub>+).

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

**EPA Method 25C** is used to determine the emissions of VOC and can also be used to identify and quantify fixed gases (O<sub>2</sub>, CO<sub>2</sub>, N<sub>2</sub> & CH<sub>4</sub>) in conjunction with EPA Method 3C. Gaseous emissions are drawn through Teflon sample line to a tedlar bag. Positive pressure is adjusted to maintain an integrated sample flow between 30 to 60 minutes. The bag samples are taken to a laboratory and analyzed for Volatile Organic Compound (VOC) referenced to methane and fixed gases using GC/FID (gas chromatography/flame ionization detector-total combustion analysis and thermal conductivity detector (TCD) within 72 hours.

**ASTM D-6228** analysis is used to determine emissions of total reduced sulfurs (TRS). Inlet gases are filled into tedlar bags corresponding to the test program. The bags are labeled respectively then sent to a laboratory and analyzed by GC/FPD (gas chromatography/Flame Photometric Detector) within 24 hours. For more information on the lab analysis, refer to Appendix B for method description and QA/QC.

**EPA Method 19** is used to determine stack gas volumetric flow rates using oxygen based F-factors. F-factors are ratios of combustion gas volumes generated from heat input. The heating value of the fuel in BTU per cubic foot is determined from lab analysis of the fuel gas samples using ASTM D-1945/3588 gas chromatography analytical procedures. Total fuel consumption for the flare is monitored on the systems control panel. During each test run gas readings and samples were taken and used for determining the stack flow rate. The total cubic feet per hour of fuel multiplied times the BTU/cf provides million BTU per hour (MMBtu/hr) 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 stack emission rates.

**EPA Method ASTM D-1945 & D-3588** analysis is used to determine the composition of fuel gas (e.g. Methane, fixed gases & BTU Content). Inlet gases are filled into a tedlar bag, the bag is labeled respectively then sent to a laboratory and analyzed for fixed gases, methane and C<sub>1</sub>-C<sub>6</sub> using GC/FID (gas chromatography/flame ionization detector). Each compound has calorific values that are used to calculate higher heating values (HHV) used in EPA Method 19.

### 5.0 Project organization/key personnel:

The table below lists the positions and responsibilities of the personnel potentially assigned to this project.

Project Organization

Name	Position	Responsibilities
Bill Johnston	Project Manager	Project Overview, Collection of all field data and operational data, Data reduction and Report Writing
Burton Kusich	Source Test Technician	Sample collection, Chain of Custody
John Yokoyama AAC Lab. Bobby Asfour BE	Lab Supervisor	Receipt of Samples, Sample analysis, Lab report production

The Project Manager is the primary person responsible for the outcome of this project. He leads the sampling team in the field, interacts with the client during testing and is responsible for gathering all data necessary for completing the report. Upon the completion of the fieldwork, he completes any Chain of Custody documentation and submits samples to the laboratory for analysis. He then reduces the data and prepares the report.

The Source Test Technicians are responsible for performing the actual field emissions tests. They are responsible for performing the emissions tests as per the approved test methods.

The Laboratory Supervisor is responsible for receipt, analysis and disposition of samples. He is also responsible for all laboratory method specific QA/QC procedures.

BE is an approved independent contractor for the California Air Resources Board (CARB), which is a national leader in the development and implementation of progressive emissions monitoring and documentation programs. BE is also affiliated with the Air and Waste Management Association (AWMA), Professional Environmental Marketing Association (PEMA), Source Evaluation Society (SES) and Air Pollution Training Institute (APTI).

**6.0 QA & QC Procedures:**

QA/QC Program All quality assurance and quality control procedures will be followed as prescribed in the appropriate methods and technical guidance manuals.

Adherence to QA/QC procedures during field test preparation and field sampling will be the responsibility of the QA/QC Officer and/or Project Manager. This test program would include all QA/QC procedures specified in the test methods (equipment calibration, field data recording, contamination control and record keeping). Analytical QA/QC protocol will be the responsibility of the Analytical Liaison, and the laboratory manager and QA/QC coordinator assigned to this program by the laboratory we have subcontracted. Any deviations from stated protocols not mentioned herein would be discussed with the appropriate individuals prior to implementation.

Chain of Custody: A sample is considered to be under a person's custody if (1) in a person's physical possession, (2) in view of the person after he has taken possession, (3) secured by that person such that no one can tamper with the sample, or (4) secured by that person in an area which is restricted to authorized personnel. The following steps are taken to ensure sample identification and integrity:

- 1) Sample labels (identity, #, date, time)
- 2) C.O.C. seals (with sample #)
- 3) Field sample log book and field notes
- 4) C.O.C. record and analysis request sheet
- 5) Shipping papers (Courier, Fed. Ex.)
- 6) Receiving/Log-in (signed receipt of samples and their condition)

Once the sample has been received in the laboratory and the status of the sample integrity has been determined, the lab QA/QC supervisor is responsible for care and custody. The lab should be prepared to testify to the possession and security of the sample until analysis is complete.

In addition to the QA/QC procedures mentioned, BE uses EPA Protocol or 1% NIST Traceable calibration gases.

**7.0 Source Test Report:**

Data reduction/reporting procedures: All data reduction is performed using Excel spreadsheet programs developed by BE. The report will be written by a senior project manager and will be reviewed by his peers. All supporting documentation, field data sheets, lab reports, lab and field QA/QC reports, emission calculations, etc., will be included in the final report. Calculations are contained in the referenced methods and in the APCD/AQMD source Test Procedure Guidelines where applicable. The expected date for a final report is approximately two weeks after the analytical work is completed.

The final report meeting the requirements of the BAAQMD will be submitted to City of Mountain View within four weeks of the completion of the test program.

**Tabular results summary will be presented showing the following:**

- NOx, ppmvd, ppmvd @ 15% O<sub>2</sub>, lbs/hr, lbs/MMBtu
- CO, ppmvd, ppmvd @ 15% O<sub>2</sub>, lbs/hr, lbs/MMBtu
- VOC, ppmvd, ppmvd @ 3% O<sub>2</sub>, lbs/hr, lbs/MMBtu, DRE
- THC & CH<sub>4</sub>, ppmvd, lbs/hr, lbs/MMBtu, DRE
- Fuel Total Sulfur ppmv
- LFG Flow Rate, scfh & MMBtu/hr
- Load, KW & MMBtu/hr
- Stack Flow Rate, DSCFM

All ancillary information will be included with the report; process information, field data sheets, strip charts, calculations, equipment calibrations, chain of custody information, laboratory analytical results.

Submitted by,



Bobby Asfour  
Principal/QSTI

cc: Ankit Sharma, City of Mountain View

**APPENDIX I**  
**PERMIT TO OPERATE**





BAY AREA AIR QUALITY MANAGEMENT DISTRICT

PERMIT TO OPERATE

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PERMIT EXPIRATION DATE

MAY 1, 2022

Plant# 2740

ORIGINAL SENT TO:

Lisa Au, Assistant Public Works Director  
City of Mountain View (Shoreline Landfill)  
231 N Whisman Road  
Mountain View, CA 94039

City of Mountain View (Shoreline Landfill)  
2600 Shoreline Boulevard  
Mountain View, CA 94043

Location: 2600 Shoreline Boulevard  
Mountain View, CA 94043

S#	DESCRIPTION	[Schedule]	PAID
1	CHEM> Landfill with gas collection system, Multi-material Closed Landfill and Multiple Landfill Gas Collection Systems Abated by: A6 Flare A7 Flare A8 Flare Emissions at: P6 Stack P7 Stack P8 Stack	[K]	3193
11	Standby Diesel engine, 207 hp, EPA# XCEXL0505ABA, Cummins Diesel Engine: Emergency Standby Emissions at: P15 Stack	[B]	256
14	Standby Diesel engine, 469 hp, EPA# 3VPXL.12.ABC, Kohler Diesel Engine for Emergency Standby Generator Emissions at: P14 Stack	[B]	282
16	Turbine, Electrical Generation, 87 hp, Landfill gas Microturbine Emissions at: P16 Stack	[B]	256
17	Turbine, Electrical Generation, 87 hp, Landfill gas Microturbine Emissions at: P17 Stack	[B]	256



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S#	DESCRIPTION	[Schedule]	PAID
A8	Industrial Flare - Other (not refinery), 24MM BTU/hr max Landfill Gas Flare - 800 scfm capacity Emissions at: P8 Stack	[exempt]	0
A7	Industrial Flare - Other (not refinery), 16000K BTU/hr max Landfill Gas Flare, 530 scfm capacity Emissions at: P7 Stack	[exempt]	0
A6	Industrial Flare - Other (not refinery), 8192K BTU/hr max Landfill Gas Flare, 270 scfm capacity Emissions at: P6 Stack	[exempt]	0

5 Permitted Sources, 3 Exempt Sources

\*\*\* See attached Permit Conditions \*\*\*



BAY AREA AIR QUALITY MANAGEMENT DISTRICT

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Plant# 2740

\*\*\* PERMIT CONDITIONS \*\*\*

Source#	Subject to Condition Numbers
1	16065
11	24175
14	24175
16	24989
17	24989
A8	16065
A7	16065
A6	16065

The operating parameters described above are based on information supplied by permit holder and may differ from the limits set forth in the attached conditions of the Permit to Operate. The limits of operation in the permit conditions are not to be exceeded. Exceeding these limits is considered a violation of District regulations subject to enforcement action.



BAY AREA AIR QUALITY  
MANAGEMENT DISTRICT

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MAY 1, 2022

Plant# 2740

\*\*\* PERMIT CONDITIONS \*\*\*

COND# 16065 applies to S#'s 1, A8, A7, A6

For:

- S-1 Landfill and Gas Collection System;
- A-6 Landfill Gas Flare,
- A-7 Landfill Gas Flare,
- and A-8 Landfill Gas Flare.

1. The S-1 Landfill is closed. The owner/operator shall apply for and receive a Change of Permit Conditions before accepting any solid waste for disposal at S-1. The total cumulative amount of all wastes placed in the landfill areas controlled by the owner/operator shall not exceed 12,725,000 tons. The maximum design capacity of the landfill (total volume of all wastes and cover materials placed in the landfill area controlled by the owner/operator of S-1, excluding final cover) shall not exceed 18,852,000 cubic yards. (Basis: Regulation 2-1-301)
2. The owner/operator shall ensure that all landfill gas collected by the Landfill Gas Collection Systems for S-1 and at the Shoreline Amphitheatre (Plant #2561) shall be: abated by the Landfill Gas Flares (A-6, A-7, or A-8); burned in the Microturbines (S-16 or S-17); or sold for off site combustion at the following device: Facility #15982 Google, Sources S-29, IC Engine. The owner/operator may use any combination of the landfill gas control devices listed above, provided that sufficient landfill gas is collected and controlled to prevent violations of the Regulation 8-34-303 surface leak limit and provided that all of the following operating requirements are satisfied. (Basis: Regulation 8-34-301)
  - a. Operation of the microturbines (S-16 and S-17) is optional and is not required for landfill gas abatement. When the microturbines are burning landfill gas, other approved control devices (such as one flare or one engine) must be operated concurrently with the microturbines to achieve the necessary control system capacity for the landfill.
  - b. Raw or untreated landfill gas shall not be vented to the atmosphere, except for unavoidable landfill gas emissions that occur during collection system



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\*\*\* PERMIT CONDITIONS \*\*\*

installation, maintenance, or repair (which is performed in compliance with Regulation 8, Rule 34, Sections 113, 117, and/or 118) and inadvertent component or surface leaks that do not exceed the limits specified in 8-34-301.2 or 8-34-303.

- 3. The landfill gas collection system described below in Part 4a shall be operated continuously, as defined in Regulation 8-34-219. Wells and adjustment valves shall not be disconnected, removed, or completely closed, without prior written authorization from the District, unless the owner/operator complies with all applicable provisions of Regulation 8, Rule 34, Sections 113, 117, and 118.

The owner/operator also maintains horizontal landfill gas migration control wells that are installed above the cap in the 544 acre site. If landfill gas migration occurs, such that methane exceedences as defined in the California Code of Regulations Title 27 are detected, the owner/operator may operate these horizontal landfill gas migration surface collectors intermittently as necessary to mitigate any methane detected at the surface probe(s). The well identification numbers for the 9 intermittently operating horizontal surface migration control wells are as follows: HC-01, HC-02, HC-03, HC-04, HC-05, HC-06, HC-07, HC-08, and HC-09. (Basis: Regulation 8-34-301.1)

- 4. The owner/operator shall apply for and receive a Change of Conditions before altering the landfill gas collection system described in Part 4a below. Increasing or decreasing the number of wells or collectors are considered to be alterations that are subject to this requirement. Redrilling or replacement of an existing well does not require a Change of Conditions provided the replacement well is close to the location of the existing well. Adding or modifying risers, laterals, or header pipes are not subject to this Change of Condition requirement. (Basis: Regulations 2-1-301, 8-34-301.1, 8-34-303, 8-34-304, and 8-34-305)
  - a. The owner/operator has been issued a Permit to Operate for the landfill gas collection system



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\*\*\* PERMIT CONDITIONS \*\*\*

components listed below, which includes all notifications of gas collection system alterations submitted through September 12, 2012. Well and collector locations, depths, and lengths are as described in detail in Permit Applications #1009, #24840 and #30482.

Area Description	Required Components
544 Acre Site140	vertical wells
544 Acre Site 6	horizontal collectors
Vista Site88	vertical wells
Vista Site1	horizontal collector
Vista Shoreline	Tie-in to Shoreline Amphitheatre gas collection system
Crittenden Site36	vertical wells

b. The owner/operator is authorized to make the landfill gas collection system component alterations listed below.

Install New Vertical Gas Collection Wells:

The owner/operator shall maintain records of the decommission date for each well that is shut down and the initial operation date for each new well. Wells installed or shut down pursuant to Subpart 4b shall be added to or removed from the baseline count in Subpart 4a during the annual permit review process. During the permit renewal period, the owner/operator shall provide the District with the latest well count statistics in order to update this part of Condition 16065.

- i. The owner/operator shall apply for and receive a Change of Conditions before altering the landfill gas collection components described in Subpart 4a. Installing, altering, or permanently decommissioning a vertical well, horizontal collector, or other gas collection component is subject to this requirement, unless this change constitutes a replacement as defined in Subpart 4b(ii) below.
- ii. Replacement of landfill gas collection system components with identical or functionally equivalent components will not be deemed an alteration and will not be subject to Subpart 4b(i) under the following



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PERMIT EXPIRATION DATE

MAY 1, 2022

Plant# 2740

\*\*\* PERMIT CONDITIONS \*\*\*

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circumstances: If a well or collector will be shut down and replaced by a new well or collector close to the existing location of the old component and this decommission/installation will be accomplished in accordance with Regulations 8-34-117 and 8-34-118, then this activity shall be considered a component replacement that is not subject to an Authority to Construct requirement. For each individual well or collector replacement, this subpart authorizes a maximum vacuum disconnection time of five consecutive days for compliance with 8-34-117.5. The disconnected component and the new component shall not be counted toward the Subpart 4a limits; the numbers of replacement wells and replacement collectors are not limited. Alterations, repairs, or replacements of non-perforated piping sections (such as risers, laterals, or header pipes), piping connectors, or valves are not subject to the Authority to Construct requirement.

5. The gas collection system operating requirements listed below shall replace the well head requirements identified in Regulation 8-34-305.2 through 8-34-305.4 for the specified wells and collectors. All wells and collectors remain subject to the Regulation 8-34-305.1 requirement to maintain vacuum on each well head. In addition, part 5c clarifies the applicable limits for vaults containing gas collection system components. (Basis: Regulations 8-34-301.2, 8-34-303, and 8-34-305)
  - a. The Regulation 8-34-305.2 temperature limit shall not apply to the wells listed below. The landfill gas temperature in each of the wells listed below shall not exceed 140 degrees F.

Vista Landfill: VE-6, VE-9, VF-3, VF-11, VG-3, VG-3A, VG-4, VH-4, VH-5, VH-10, VJ-3R, VJ-4R, VJ-4A (13 wells)

544-Acre Landfill: NEA-08 (1 vertical well)

- b. The Regulation 8-34-305.3 nitrogen concentration limit and the Regulation 8-34-305.4 oxygen



BAY AREA AIR QUALITY  
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Plant# 2740

\*\*\* PERMIT CONDITIONS \*\*\*

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concentration limit shall not apply to the wells listed below, provided that the oxygen concentration in the landfill gas at the main header does not exceed 5% O2 by volume (dry basis) and the methane concentration in the landfill gas at the main header is not less than 35% CH4 by volume (dry basis). The owner/operator shall monitor the landfill gas from the main header for oxygen and methane on a monthly basis to demonstrate compliance with this part.

Crittenden Landfill: CRA-1R, CRA-2R, CRA-3, CRA-4, CRA-5R, CRA-6, CRA-7R, CRA-8, CRA-9, CRA-10, CRA-13, CRB-1, CRB-2R, CRB-3, CRB-4R, CRB-5, CRB-6, CRB-7R, CRB-8, CRD-1, CRD-3, CRD-5, CRD-8R, CRD-9, CRD-10, and CRD-11 (26 vertical wells)

Vista Landfill: VA-HZ, VA-1, VA-1A, VA-2, VA-3R, VA-3A, VA-4, VB-1, VB-2R, VB-3A, VB-4, VB-5R, VB-5A, VB-6R, VB-7, VB-8, VC-1R, VC-2R, VC-3, VC-5, VC-6, VC-7, VC-8, VE-1R, VE-4R, VE-5, VE-6, VE-7, VE-8, VE-9, VE-10, VF-1, VF-2, VF-4, VF-5R, VF-7, VF-8R, VH-3, VJ-2R, VJ-3R, VJ-4A, VJ-4R, VJ-5R, VJ-6R, VJ-7R, VJ-8, VJ-9R, VJ-10R, VJ-11R, VK-3, VK-4, VK-5 (1 horizontal collector and 51 vertical wells)

544-Acre Landfill: WA-1R, WA-2, WA-5, WA-6, WA-8, WA-9, WA-13, WA-14, WA-15R, WA-16, WA-18, WA-19, WA-20, WA-21R, WA-22R, WA-23R, WA-24, WA-25, WA-26, WA-27, WA-28, WA-29, WB-1, WB-2, WB-3, WB-4, WB-5R, WB-5A, WB-6, WB-6A, WB-7, WB-7A, WB-8, WB-9, WB-10R, WB-11, WB-12R, WB-12AR, WB-13R, WB-14R, WB-15R, WB-16R, WB-17R, WD-3, WN-1R, WN-2, WN-3R, WN-4, WN-4A, WN-5R, WN-6, WN-7, WN-8R, WN-9R, WN-10, WN-11, WN-12R, WN-13 (58 vertical wells)

A-16, B-2, B-3, B-04R, B-20, B-24, B-28, Y-01, Y-02, Y-03, Y-04, Y-05, Y-06, LE-1, LE-2, LE-3, LE-4, FHZ-1, FHZ-2, FHZ-3, FHZ-4, FHZ-5, and MPHZ (6 horizontal collectors and 16 vertical wells)

NEA-01, NEA-02R, NEA-03, NEA-04, NEA-05R, NEA-06, NEA-07, NEA-08, NEA-09, NEA-11, NEA-13, NEA-15, NEA-16A, NEB-01, NEB-02, NEB-03, NEB-04, NEB-05, NEB-06, NEB-07, NEB-08, NEB-10, NEB-11, NEB-12, NEB-13, NEB-





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14R, NEC-01, NEC-02, NEC-03, NED-01R, NEE-02, NEE-03,  
NEE-04, NEE-05, NEE-06 (35 vertical wells)

- c. This subpart applies to vaults containing gas collection system equipment, where the top of the vault is located at or near the surface of the landfill. The vault shall be monitored at both 1 cm from the vault (for comparison to the component leak limit of Regulation 8-34-301.2) and 2 inches above the vault (for comparison to the surface leak limit of Regulation 8-34-303).
- i. If during an inspection the District's monitored readings show compliance with both the component leak limit and the surface leak limit, the vault and components within shall be deemed to be in compliance with Regulations 8-34-301.2 and 8-34-303. No further testing is necessary.
  - ii. If the District's monitored readings show an excess of either the component leak limit or the surface leak limit, the operator shall comply with the Regulation 8-34-415 Repair Schedule for Landfill Surface Leak Excesses, until the source of the leak can be identified. The vault shall be opened and allowed to air out for at least 10 minutes. The collection system components within the vault shall be re-monitored at 1 cm from the components and the landfill surface surrounding the vault shall be re-monitored at 2 inches above the surface.
  - iii. If the re-monitoring (after airing the vault for 10 minutes) shows no component leaks and no surface leaks, the vault and components within shall be deemed to be in compliance with Regulations 8-34-301.2 and 8-34-303.
  - iv. If the re-monitoring shows a component leak, or the operator's further evaluation determines that the source of the emissions excess was a collection system component, then a violation of 8-34-301.2 shall be deemed to have occurred; and the operator shall take all necessary corrective action



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PERMIT EXPIRATION DATE

MAY 1, 2022

Plant# 2740

\*\*\* PERMIT CONDITIONS \*\*\*

- and shall comply with all applicable reporting requirements.
- v. If the re-monitoring shows a surface leak but not a component leak, the operator shall continue to comply with all applicable provisions of the Regulation 8-34-415 Repair Schedule for Landfill Surface Leak Excesses.
6. The owner/operator of flares A-6, A-7, and A-8 shall be equipped with auto restart capability and both local and remote alarm systems.  
(Basis: 8-34-301.1)
7. The combustion zone temperature of each flare (A-6, A-7, and A-8) shall be maintained at a minimum of 1577 degrees F, averaged over any three-hour period. If a source test demonstrates compliance with all applicable requirements at a different temperature, the APCO may revise the minimum combustion zone temperature limit in accordance with the procedures identified in Regulations 2-6-414 or 2-6-415 and the following criteria. The minimum combustion zone temperature for a flare shall be equal to the average combustion zone temperature measured during the most recent complying source test minus 50 degrees F, provided that the minimum combustion zone temperature shall not be less than 1400 degrees F.  
(Basis: Regulations 2-5-302 and 8-34-301.3)
8. [deleted]
9. Nitrogen oxide (NOx) emissions from the flares shall not exceed the concentration limits listed below, except as provided by source test results demonstrating a NOx emission rate within the specified limit. (Basis: Cumulative Increase)
- a. Flares A-6, A-7, and A-8 shall each emit no more than 15 ppmv of NOx, expressed as NO2 and corrected to 15% O2, dry basis. If source test results indicate that the outlet NOx concentration is greater than this limit, the flare will remain in compliance if the source test results indicate that the emission rate is no more than 0.06 pounds of NOx (calculated as NO2) per MM BTU.



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\*\*\* PERMIT CONDITIONS \*\*\*

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10. Carbon monoxide (CO) emissions from the flares shall not exceed the concentration limits listed below, except as provided by source test results demonstrating a CO emission rate within the specified limit. (Basis: Cumulative Increase and RACT)
    - a. Flares A-6, A-7, and A-8 shall each emit no more than 83 ppmv of CO, corrected to 15% O<sub>2</sub>, dry basis. If source test results indicate that the outlet CO concentration is greater than this limit, the flare will remain in compliance if the source test results indicate that the emission rate is no more than 0.20 pounds of CO per MM BTU.
  11. [deleted]
  12. Each flare shall emit no more than 9 ppmv of SO<sub>2</sub>, corrected to 15% O<sub>2</sub>, dry basis. If the total reduced sulfur compound concentration in the collected landfill gas is monitored as a surrogate for monitoring sulfur dioxide in the flare exhaust, the concentration of total reduced sulfur compounds in the collected landfill gas shall not exceed 150 ppmv, expressed as H<sub>2</sub>S, dry basis. (Basis: Cumulative Increase and Regulation 9-1-302)
  13. In order to demonstrate compliance with Parts 7, 9, 10, and 12 above and Regulations 8-34-301.3, 8-34-412, and 9-1-302 and CCR, Title 17, Section 95464(b)(2)(A)(1), the owner/operator shall ensure that a District approved source test is conducted annually on each flare (A-6, A-7, and A-8). Each annual source test shall determine the following:
    - a. landfill gas flow rate to the flare (dry basis);
    - b. concentrations (dry basis) of carbon dioxide (CO<sub>2</sub>), nitrogen (N<sub>2</sub>), oxygen (O<sub>2</sub>), methane (CH<sub>4</sub>), and total non-methane organic compounds (NMOC) in the landfill gas;
    - c. stack gas flow rate from the flare (dry basis);
    - d. concentrations (dry basis) of NO<sub>x</sub>, CO, CH<sub>4</sub>, NMOC, and O<sub>2</sub> in the flare stack gas;
    - e. the NMOC and methane destruction efficiencies achieved by the flare;
    - f. the average combustion zone temperature in the flare during the test period; and
    - g. concentration (dry basis) of SO<sub>2</sub> in the flare stack



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gas, unless the owner/operator is meeting the requirements of Part 12 and tests for all sulfur compounds listed in EPA's AP-42 Table 2.4-1 pursuant to Part 14.

Each annual source test shall be conducted no later than 12 months after the previous annual source test. The Source Test Section of the District shall be contacted to obtain approval of the source test procedures at least 14 days in advance of each source test. The Source Test Section shall be notified of the scheduled test date at least 7 days in advance of each source test. The source test report shall be submitted to the Compliance and Enforcement Division and the Source Test Section within 45 days of the test date. (Basis: Cumulative Increase, Regulations 2-5-302, 8-34-301.3, 8-34-412, and 9-1-302, and CCR, Title 17, Section 95464(b)(2)(A)(1).)

14. The owner/operator shall conduct a characterization of the landfill gas concurrent with the annual source test required by Part 13 above. The landfill gas sample shall be drawn from the main landfill gas header. In addition to the compounds listed in Part 13b, the landfill gas shall be analyzed for all the organic compounds listed in the most recent version of EPA's AP-42 Table 2.4-1. Sulfur compound testing is not required, if the owner/operator is satisfying Part 13g by conducting annual SO<sub>2</sub> testing at the flare exhaust. All concentrations shall be reported on a dry basis. The test report shall be submitted to the Compliance and Enforcement Division within 45 days of the test date. After conducting three annual landfill gas characterization tests, the owner/operator may request to remove specific compounds from the list of compounds to be tested, if the compounds have not been detected, have no significant impact on the cancer risk determination for the site, and have no significant impact on the hazard index determination for the site. (Basis: AB-2588 Air Toxics Hot Spots Act and Regulations 2-5-302, 8-34-412 and 9-1-302.)
15. In order to demonstrate compliance with the above conditions, the owner/operator shall maintain the following records. All records shall be maintained on site in an APCO approved logbook or shall be made readily available to District staff upon request for a



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Plant# 2740

\*\*\* PERMIT CONDITIONS \*\*\*

period of at least 5 years from the date of entry. These recordkeeping requirements do not replace the record keeping requirements contained in any applicable rules or regulations. (Basis: Cumulative Increase and Regulations 2-1-301, 2-6-501, 8-34-301, 8-34-303, 8-34-305, 8-34-412, 8-34-414, 8-34-415, 8-34-501, 8-34-503, 8-34-505, 8-34-506, and 9-1-302.

- a. Maintain an accurate map of the landfill that indicates the locations of all refuse boundaries and the locations of all wells and collectors (using unique identifiers) that are required to be operating continuously pursuant to Part 4a;
  - b. Record the initial startup date for any new wells or collectors;
  - c. Maintain records of all test dates and test results performed to maintain compliance with Parts 12-14 above, Regulations 8-34-301, 8-34-303, 8-34-305, 8-34-412, 8-34-414, and 8-34-415, or any other applicable rule or regulation.
16. The annual report required by BAAQMD Regulation 8-34-411 shall be submitted in two semi-annual increments. The reporting period for the first increment of the Regulation 8-34-411 annual report that is submitted subsequent to the issuance of the MFR Permit for this site shall be from December 1, 2002 through December 31, 2003. This first increment report shall be submitted by January 31, 2004. The reporting periods and report submittal due dates for all subsequent increments of the Regulation 8-34-411 report shall be synchronized with the reporting periods and report submittal due dates for the semi-annual MFR Permit monitoring reports that are required by Section I.F. of the MFR Permit for this site. (Basis: Regulation 8-34-411 and 40 CFR Part 63.1980(a))

COND# 24175 applies to S#'s 11, 14

For: S-11 Diesel Engine for Emergency Standby Generator  
and S-14 Diesel Engine for Emergency Standby Generator

1. \*The owner/operator shall not exceed 30 hours per year for reliability-related testing at the S-11 Diesel



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Engine. (Basis: CCR Title 17, Section 93115.6(b)(3)(A)(1)(b))

2.
  - a. Until January 1, 2012, the owner/operator shall not exceed 100 hours per year for reliability related testing at the S-14 Diesel Engine. (Basis: Cumulative Increase, Offsets, Toxic Risk Management Policy, Regulation 9-8-330.2, and CCR Title 17, Section 93115.3(d))
  - b. \*Effective January 1, 2012, the owner/operator shall not exceed 50 hours per year for reliability related testing at the S-14 Diesel Engine. (Basis: Regulation 9-8-330.3)
3. \*The owner/operator shall operate each emergency standby engine only for the following purposes: to mitigate emergency conditions, for emission testing to demonstrate compliance with a District, State, or Federal emission limit, or for reliability-related activities (maintenance and other testing, but excluding emission testing). Operating while mitigating emergency conditions or while emission testing to show compliance with District, State or Federal emission limits is not limited. (Basis: CCR Title 17, Section 93115.6(b)(1 and 3) and Regulation 9-8-330)
4. \*The owner/operator shall operate each emergency standby engine only when a non-resettable totalizing meter (with a minimum display capability of 9,999 hours) that measures the hours of operation for the engine is installed, operated and properly maintained. (Basis: CCR Title 17, Section 93115.10(e)(1) and Regulation 9-8-530)
5. Records: The owner/operator shall maintain the following monthly records in a District-approved log for at least 60 months from the date of entry. Log entries shall be retained on-site, either at a central location or at the date of entry. Log entries shall be retained on-site, either at a central location or at the engine's location, and made immediately available to the District staff upon request. (Basis: CCR Title 17, Section 93115.10(e and g) and Regulation 2-6-501, 9-1-304, and 9-8-530)



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- a. Hours of operation for reliability related activities (maintenance and testing).
- b. Hours of operation for emission testing to show compliance with emission limits.
- c. Hours of operation for emergencies.
- d. For each emergency, the nature of the emergency condition.
- e. Fuel usage for the engine.
- f. Records of the vendor certified sulfur content for fuel burned in this engine.

COND# 24989 applies to S#'s 16, 17

For: S-16 Microturbine and S-17 Microturbine

- 1. The Permit Holder shall ensure that each microturbine does not exceed the emission levels listed below:
  - a. NOx = 0.5 lb/MW-hr
  - b. VOC = 1.0 lb/MW-hr
  - c. CO = 6.0 lb/MW-hr
 (basis for a through c: CARB Certification, H&SC Title 17, Section 94203c)
  - d. NMOC less than 120 ppm by volume on a dry basis, expressed as methane and corrected to 3% oxygen or the amount of NMOC in the collected gases is reduced by at least 98% by weight (Basis: Regulation 8-34-301.4)
- 2. To demonstrate compliance with Part 1 above and Regulation 8, Rule 34, Sections 301.4, 412, and 509, the Permit Holder shall conduct an initial compliance demonstration test within 60 days of start-up of each microturbine and annual compliance demonstration tests on S-16 and S-17 Microturbines.

The Source Test Section of the District shall be contacted to obtain approval of the source test procedures at least 14 days in advance of each source test. The Source Test Section shall be notified of the scheduled test date at least 7 days in advance of each source test. The source test report shall be submitted to the Source Test Section within 45 days of the test date. The source tests shall determine the following:

- a. landfill gas flow rate (dry basis) and heat input rate to the microturbine;



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- b. concentrations (dry basis) of carbon dioxide (CO<sub>2</sub>), nitrogen (N<sub>2</sub>), oxygen (O<sub>2</sub>), and methane (CH<sub>4</sub>) in the landfill gas;
  - c. stack gas flow rate from the microturbine (dry basis); and
  - d. concentrations (dry basis) of CH<sub>4</sub>, NMOC, and O<sub>2</sub> in the stack gas.
- .(Basis: Cumulative Increase, Offsets, and Regulations 8-34-301.4, 8-34-412, and 8-34-509)
3. The Permit Holder shall maintain records of all test dates and test results for any tests that are conducted to demonstrate compliance with these conditions or any other applicable rule or regulation. All records shall be maintained on site in an APCO approved logbook or shall be made readily available to District staff upon request for a period of at least 5 years from the date of entry. These record keeping requirements do not replace the record keeping requirements contained in any applicable rules or regulations. (Basis: Cumulative Increase, Offsets, and Regulations 2-6-501, 8-34-301.4, 8-34-412, 8-34-501.11, 8-34-501.12, and 8-34-509)

~~~~~ END OF CONDITIONS ~~~~~



| S#          | Source Description                         | Annual Average lbs/day |      |      |      |     |
|-------------|--------------------------------------------|------------------------|------|------|------|-----|
|             |                                            | PART                   | ORG  | NOx  | SO2  | CO  |
| 1           | Closed Landfill and Multiple Landfill Gas  | -                      | 42.9 | .3   | -    | -   |
| 11          | Diesel Engine: Emergency Standby           | -                      | -    | 0    | -    | -   |
| 14          | Diesel Engine for Emergency Standby Genera | -                      | -    | 0    | -    | 0   |
| 16          | Microturbine                               | .13                    | .2   | .1   | .13  | 1   |
| 17          | Microturbine                               | .09                    | .2   | .1   | .09  | 1   |
| A8          | Landfill Gas Flare - 800 scfm capacity     | 1.84                   | 1.6  | 18.4 | 2.12 | 61  |
| A7          | Landfill Gas Flare, 530 scfm capacity      | .59                    | .5   | 5.9  | .32  | 20  |
| A6          | Landfill Gas Flare, 270 scfm capacity      | .56                    | .5   | 5.6  | .3   | 19  |
| T O T A L S |                                            | 3.21                   | 46   | 30.5 | 2.97 | 101 |

\*\* PLANT TOTALS FOR EACH EMITTED TOXIC POLLUTANT \*\*

| Pollutant Name            | Emissions lbs/day |
|---------------------------|-------------------|
| Benzene                   | .04               |
| Ethylene dichloride       | .18               |
| Hexane                    | .30               |
| Isopropyl alcohol         | .17               |
| Methyl ethyl ketone (MEK) | .42               |
| Perchloroethylene         | .06               |
| Toluene                   | .75               |
| Trichloroethylene         | .04               |
| Xylene                    | 1.08              |
| Ethylbenzene              | .46               |
| Vinylidene chloride       | .09               |
| Chloroform                | .02               |
| Methylene chloride        | .07               |
| Ethyl chloride            | .36               |
| Vinyl chloride            | .07               |
| Chlorobenzene             | .04               |
| Dichlorobenzene           | .07               |
| 1,1,1-Trichloroethane     | .29               |
| Hydrogen Sulfide (H2S)    | .79               |

**APPENDIX J**  
**FUEL FLOWMETER CALIBRATIONS**

# Calibration Certificate

Telstar Instruments Inc  
 1717 Solano Way, Suite #34, Concord Ca  
 Tel 925-671-2888 - Fax 925-671-9507



Certificate **CC-10-39323-01**  
 Calibration date **2/16/2022**  
 Next calibration due **2/16/2023**

### Customer information

Company name **City of Mountain View**  
 Address **231 north whisman rd mountain view ca 94043**  
 Contact **Tim Pike 650-903-6111**

### Location of calibration

Company name  
 Address **231 north whisman rd mountain view ca 94043**

### Instrument information

Manufacturer **Rosemount**  
 Model **CA1A22A1AB4E5M5**  
 Serial **654741**  
 Tag **NA**  
 Description **Flare station front 9 - back 9 Vac**

Received **Out of Tolerance**  
 Returned **In Tolerance**

Calibrated range **0** to **-50** **"H2O**  
 User Specified Tolerance **1.00** **%**  
 Instrument Output **4** to **20** **mA**

Test standards used This calibration certificate documents the traceability to national standards, which states the units of measurement according to the International System of Units (SI)

| ID      | Description                  | Serial number | Certificate | Due date |
|---------|------------------------------|---------------|-------------|----------|
| CAL388  | Fluke 725 Process Calibrator | 56160253MV    | 6000005809  | 11/15/22 |
| TEST505 | FLUKE 700G27                 | 5584334       | 3000261534  | 10/15/22 |
|         |                              |               |             |          |
|         |                              |               |             |          |
|         |                              |               |             |          |
|         |                              |               |             |          |

### Procedure Used

CP0005

As Found = As Left

**As Found**

| Cal. point(s) | Standard | Expected Output | Display | Measured Output | Error | Output Error |
|---------------|----------|-----------------|---------|-----------------|-------|--------------|
| 1             | 0        | 4.000           | N/A     | 4.529           | N/A   | 3.31         |
| 2             | -12.5    | 8.000           | N/A     | 8.54            | N/A   | 3.37         |
| 3             | -25      | 12.000          | N/A     | 12.539          | N/A   | 3.37         |
| 4             | -37.5    | 16.000          | N/A     | 16.533          | N/A   | 3.33         |
| 5             | -50      | 20.000          | N/A     | 20.603          | N/A   | 3.77         |
| 6             |          |                 |         |                 |       |              |
| 7             |          |                 |         |                 |       |              |
| 8             |          |                 |         |                 |       |              |
| 9             |          |                 |         |                 |       |              |
| 10            |          |                 |         |                 |       |              |
| Units*        | "H2O     | mA              | "H2O    | mA              | %     | %            |

**As Left**

| Standard | Expected Output | Display | Measured Output | Error | Output Error |   |
|----------|-----------------|---------|-----------------|-------|--------------|---|
| 0        | 4.000           | N/A     | 3.996           | N/A   | -0.03        |   |
| -12.5    | 8.000           | N/A     | 7.961           | N/A   | -0.24        |   |
| -25      | 12.000          | N/A     | 11.968          | N/A   | -0.20        |   |
| -37.5    | 16.000          | N/A     | 15.942          | N/A   | -0.36        |   |
| -50      | 20.000          | N/A     | 19.964          | N/A   | -0.23        |   |
|          |                 |         |                 |       |              |   |
|          |                 |         |                 |       |              |   |
|          |                 |         |                 |       |              |   |
|          |                 |         |                 |       |              |   |
|          |                 |         |                 |       |              |   |
| Units*   | "H2O            | mA      | "H2O            | mA    | %            | % |

Error calculated as percent of span

### Conformity

UUT conforms  UUT does not conform

INSTRUMENT RETURNED TO SERVICE (EXPLAIN IN REMARKS IF NOT)

### Remarks

This calibration certificate should not be published or reproduced other than in full

Service Engineer  
 Signature

Andrew Steele

*Andrew Steele*

Date

2/16/2022

# Calibration Certificate

Telstar Instruments Inc  
 1717 Solano Way, Suite #34, Concord Ca  
 Tel 925-671-2888 - Fax 925-671-9507



Certificate **CC-10-39323-02**  
 Calibration date **2/16/2022**  
 Next calibration due **2/16/2023**  
**Location of calibration**  
 Company name  
 Address **231 north whisman rd mountain view ca 94043**

**Customer information**

Company name **City of Mountain View**  
 Address **231 north whisman rd mountain view ca 94043**  
 Contact **Tim Pike 650-903-6111**

**Instrument information**

Manufacturer **Rosemount**  
 Model **3051C02A22NB4M5**  
 Serial **12119882**  
 Tag **NA**  
 Description **Front 9 - Back 9 Flow**

Received **In Tolerance**  
 Returned **In Tolerance**

Calibrated range **0** to **10** **"H2O**  
 User Specified Tolerance **1.00** **%**  
 Instrument Output **4** to **20** **mA**

**Test standards used** This calibration certificate documents the traceability to national standards, which states the units of measurement according to the International System of Units (SI)

| ID      | Description                  | Serial number | Certificate | Due date |
|---------|------------------------------|---------------|-------------|----------|
| CAL388  | Fluke 725 Process Calibrator | 56160253MV    | 6000005809  | 11/15/22 |
| TEST505 | FLUKE 700G27                 | 5584334       | 3000261534  | 10/15/22 |
|         |                              |               |             |          |
|         |                              |               |             |          |
|         |                              |               |             |          |
|         |                              |               |             |          |

**Procedure Used**

CP0005

As Found = As Left

**As Found**

| Cal. point(s) | Standard | Expected Output | Display | Measured Output | Error | Output Error |
|---------------|----------|-----------------|---------|-----------------|-------|--------------|
| 1             | 0        | 4.000           | N/A     | 4.005           | N/A   | 0.03         |
| 2             | 2.5      | 8.000           | N/A     | 7.998           | N/A   | -0.01        |
| 3             | 5        | 12.000          | N/A     | 12.011          | N/A   | 0.07         |
| 4             | 7.5      | 16.000          | N/A     | 16.032          | N/A   | 0.20         |
| 5             | 10       | 20.000          | N/A     | 20.022          | N/A   | 0.14         |
| 6             |          |                 |         |                 |       |              |
| 7             |          |                 |         |                 |       |              |
| 8             |          |                 |         |                 |       |              |
| 9             |          |                 |         |                 |       |              |
| 10            |          |                 |         |                 |       |              |
| Units*        | "H2O     | mA              | "H2O    | mA              | %     | %            |

**As Left**

| Standard | Expected Output | Display | Measured Output | Error | Output Error |   |
|----------|-----------------|---------|-----------------|-------|--------------|---|
|          |                 | N/A     |                 | N/A   |              |   |
|          |                 | N/A     |                 | N/A   |              |   |
|          |                 | N/A     |                 | N/A   |              |   |
|          |                 | N/A     |                 | N/A   |              |   |
|          |                 | N/A     |                 | N/A   |              |   |
|          |                 |         |                 |       |              |   |
|          |                 |         |                 |       |              |   |
|          |                 |         |                 |       |              |   |
|          |                 |         |                 |       |              |   |
|          |                 |         |                 |       |              |   |
| Units*   | "H2O            | mA      | "H2O            | mA    | %            | % |

Error calculated as percent of span

**Conformity**

UUT conforms  UUT does not conform

INSTRUMENT RETURNED TO SERVICE (EXPLAIN IN REMARKS IF NOT)

**Remarks**

This calibration certificate should not be published or reproduced other than in full

Service Engineer **Andrew Steele**

Date **2/16/2022**

Signature

*Andrew Steele*

# Calibration Certificate

Telstar Instruments Inc  
 1717 Solano Way, Suite #34, Concord Ca  
 Tel 925-671-2888 - Fax 925-671-9507



Certificate **CC-10-39323-03**  
 Calibration date **2/16/2022**  
 Next calibration due **2/16/2023**  
 Location of calibration  
 Company name  
 Address **231 north whisman rd mountain view ca 94043**

### Customer Information

Company name **City of Mountain View**  
 Address **231 north whisman rd mountain view ca 94043**  
 Contact **Tim Pike 650-903-6111**

### Instrument information

Manufacturer **Rosemount**  
 Model **305152CA1A22A1AB4E5M5**  
 Serial **459502**  
 Tag **NA**  
 Description **Flare station Vista Vac**

Received **In Tolerance**  
 Returned **In Tolerance**

Calibrated range **0** to **-50** "H2O  
 User Specified Tolerance **1.00** %  
 Instrument Output **4** to **20** mA

**Test standards used** This calibration certificate documents the traceability to national standards, which states the units of measurement according to the International System of Units (SI)

| ID      | Description                  | Serial number | Certificate | Due date |
|---------|------------------------------|---------------|-------------|----------|
| CAL388  | Fluke 725 Process Calibrator | 56160253MV    | 6000005809  | 11/15/22 |
| TEST505 | FLUKE 700G27                 | 5584334       | 3000261534  | 10/15/22 |
|         |                              |               |             |          |
|         |                              |               |             |          |
|         |                              |               |             |          |

### Procedure Used

CP0005

As Found = As Left

| As Found      |          |                 |         |                 |       |              |
|---------------|----------|-----------------|---------|-----------------|-------|--------------|
| Cal. point(s) | Standard | Expected Output | Display | Measured Output | Error | Output Error |
| 1             | 0        | 4.000           | N/A     | 4.001           | N/A   | 0.01         |
| 2             | -12.5    | 8.000           | N/A     | 7.941           | N/A   | -0.37        |
| 3             | -25      | 12.000          | N/A     | 11.952          | N/A   | -0.30        |
| 4             | -37.5    | 16.000          | N/A     | 15.942          | N/A   | -0.36        |
| 5             | -50      | 20.000          | N/A     | 19.958          | N/A   | -0.26        |
| 6             |          |                 |         |                 |       |              |
| 7             |          |                 |         |                 |       |              |
| 8             |          |                 |         |                 |       |              |
| 9             |          |                 |         |                 |       |              |
| 10            |          |                 |         |                 |       |              |
| Units*        | "H2O     | mA              | "H2O    | mA              | %     | %            |

| As Left  |                 |         |                 |       |              |   |
|----------|-----------------|---------|-----------------|-------|--------------|---|
| Standard | Expected Output | Display | Measured Output | Error | Output Error |   |
|          |                 | N/A     |                 | N/A   |              |   |
|          |                 | N/A     |                 | N/A   |              |   |
|          |                 | N/A     |                 | N/A   |              |   |
|          |                 | N/A     |                 | N/A   |              |   |
|          |                 | N/A     |                 | N/A   |              |   |
|          |                 |         |                 |       |              |   |
|          |                 |         |                 |       |              |   |
|          |                 |         |                 |       |              |   |
|          |                 |         |                 |       |              |   |
|          |                 |         |                 |       |              |   |
| Units*   | "H2O            | mA      | "H2O            | mA    | %            | % |

Error calculated as percent of span

### Conformity

UUT conforms  UUT does not conform

INSTRUMENT RETURNED TO SERVICE (EXPLAIN IN REMARKS IF NOT)

### Remarks

This calibration certificate should not be published or reproduced other than in full

Service Engineer **Andrew Steele**

Date **2/16/2022**

Signature *Andrew Steele*



# Calibration Certificate

Telstar Instruments Inc  
 1717 Solano Way, Suite #34, Concord Ca  
 Tel 925-671-2888 - Fax 925-671-9507



Certificate **CC-10-39323-05**  
 Calibration date **2/16/2022**  
 Next calibration due **2/16/2023**  
 Location of calibration  
 Company name  
 Address **231 north whisman rd mountain view ca 94043**

**Customer information**  
 Company name **City of Mountain View**  
 Address **231 north whisman rd mountain view ca 94043**  
 Contact **Tim Pike 650-903-6111**

**Instrument information**  
 Manufacturer **Rosemount**  
 Model **2051CD2A52A1AB4**  
 Serial **0154861**  
 Tag **NA**  
 Description **Crittenden GA NE Gas Vac**

Received **In Tolerance**  
 Returned **In Tolerance**

Calibrated range **0** to **-50** **"H2O**  
 User Specified Tolerance **1.00** **%**  
 Instrument Output **4** to **20** **mA**

**Test standards used** This calibration certificate documents the traceability to national standards, which states the units of measurement according to the International System of Units (SI)

| ID      | Description                  | Serial number | Certificate | Due date |
|---------|------------------------------|---------------|-------------|----------|
| CAL388  | Fluke 725 Process Calibrator | 56160253MV    | 6000005809  | 11/15/22 |
| TEST505 | FLUKE 700G27                 | 5584334       | 3000261534  | 10/15/22 |
|         |                              |               |             |          |
|         |                              |               |             |          |
|         |                              |               |             |          |

**Procedure Used**

CP0005

As Found = As Left

| As Found     |          |                 |         |                 |       |              |
|--------------|----------|-----------------|---------|-----------------|-------|--------------|
| Cal point(s) | Standard | Expected Output | Display | Measured Output | Error | Output Error |
| 1            | 0        | 4.000           | N/A     | 4.012           | N/A   | 0.07         |
| 2            | -12.5    | 8.000           | N/A     | 7.942           | N/A   | -0.36        |
| 3            | -25      | 12.000          | N/A     | 11.982          | N/A   | -0.11        |
| 4            | -37.5    | 16.000          | N/A     | 16.032          | N/A   | 0.20         |
| 5            | -50      | 20.000          | N/A     | 19.984          | N/A   | -0.10        |
| 6            |          |                 |         |                 |       |              |
| 7            |          |                 |         |                 |       |              |
| 8            |          |                 |         |                 |       |              |
| 9            |          |                 |         |                 |       |              |
| 10           |          |                 |         |                 |       |              |
| Units*       | "H2O     | mA              | "H2O    | mA              | %     | %            |

| As Left  |                 |         |                 |       |              |   |
|----------|-----------------|---------|-----------------|-------|--------------|---|
| Standard | Expected Output | Display | Measured Output | Error | Output Error |   |
|          |                 |         |                 |       |              |   |
|          |                 |         |                 |       |              |   |
|          |                 |         |                 |       |              |   |
|          |                 |         |                 |       |              |   |
|          |                 |         |                 |       |              |   |
|          |                 |         |                 |       |              |   |
|          |                 |         |                 |       |              |   |
|          |                 |         |                 |       |              |   |
|          |                 |         |                 |       |              |   |
|          |                 |         |                 |       |              |   |
| Units*   | "H2O            | mA      | "H2O            | mA    | %            | % |

Error calculated as percent of span

**Conformity**

UUT conforms  UUT does not conform

INSTRUMENT RETURNED TO SERVICE (EXPLAIN IN REMARKS IF NOT)

**Remarks**

This calibration certificate should not be published or reproduced other than in full

Service Engineer **Andrew Steele**  
 Signature *Andrew Steele*

Date **2/16/2022**







**Rosemount Service**  
8200 Market Blvd.  
Chanhassen, MN 55317  
T: 800-654-7768  
F: 952-906-8844

Revised: 6/6/2017

### Main Menu / Calibration Data Sheet

#### Contact Information

|                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Purchase Order:</b><br><b>Customer Name:</b> Telstar Instruments<br><b>Location/Project:</b> Mountain View/18 1 SMI Utility<br><b>Address 1:</b> 231 Whisman Road<br><b>Address 2:</b> Mountain View Ca 94043<br><b>Customer Contact:</b> Tyrone Brown<br><b>Phone:</b> 510-693-8043<br><b>Email:</b> tbrown@telstarinc.com | <b>Service Request:</b><br><b>Quote#:</b><br><b>Sales Representative:</b><br><b>Phone:</b><br><b>Email:</b><br><b>Service Representative:</b> David James<br><b>Phone:</b> 209-597-0378<br><b>Email:</b> David.James@Emerson.com |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|                  |
|------------------|
| # of Sheets<br>0 |
|------------------|

#### Note:

For full functionality these sheets should be run in Excel 2010 or higher  
There could be some loss of functionality in lower versions.

*David James*

David James  
Rosemount Service Technician  
Phone: 209-597-0378

February 16, 2022

Date





**Rosemount Service**  
 8200 Market Blvd.  
 Chanhassen, MN 55317  
 T: 800-654-7768  
 F: 952-906-8844

February 16, 2022

**CALIBRATION DATA SHEET**

Consistent with ISO 10474 2.1 or EN 10204 2.1

**Contact Information**

|                                                                                                                                                                                                                                                                          |                                                                                                                                                                                |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Purchase Order: 0<br>Customer Name: Telstar Instruments<br>Location/Project: Mountain View/18 1 SMI Utility<br>Address 1: 231 Whisman Road<br>Address 2: Mountain View Ca 94043<br>Customer Contact: Tyrone Brown<br>Phone: 510-693-8043<br>Email: tbrown@telstarinc.com | Service Request: 0<br>Quote#: 0<br>Sales Representative: 0<br>Phone:<br>Email:<br>Service Representative: David James<br>Phone: 209-597-0378<br>Email: David.James@Emerson.com |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

**Device Information**

|                                           |
|-------------------------------------------|
| Device Type: Multivariable                |
| Device Tag: FL-109A                       |
| Model: 3051SMV5M11A3R2E11A1AC12B4C2E5M5Q4 |
| Serial #: 446400                          |

**Calibration Range Data**

|                              |      |    |     |       |
|------------------------------|------|----|-----|-------|
| Static Pressure Range:       | 14.7 | To | 30  | PSI   |
| Differential Pressure Range: | 0    | To | 12  | InH2O |
| Temperature Range:           | 0    | To | 150 | F     |
| Analog Output Range:         | 4    | To | 20  | mA    |

**Test Equipment Used**

| Asset #      | Description                              | Calibration Due |
|--------------|------------------------------------------|-----------------|
| ES-01491     | Fluke 754 Documenting Process Calibrator | 5-Sep-22        |
| S/N 24284505 | Fluke 750PD5 Pressure Module             | 11-Jan-23       |
| 0            | 0                                        | 0-Jan-00        |
| 0            | 0                                        | 0-Jan-00        |

**As Found Calibration Data**

| Target % Of Span | Static Pressure        |             |                                  |                         | Differential Pressure |               |                                       |                           |
|------------------|------------------------|-------------|----------------------------------|-------------------------|-----------------------|---------------|---------------------------------------|---------------------------|
|                  | Specified Range in PSI | Applied PSI | Indicated Static Pressure in PSI | Pass Fail +/- 0.052 PSI | Specified Range InH2O | Applied InH2O | Indicated Differential Pressure InH2O | Pass Fail +/- 0.012 InH2O |
| 0.00             | 14.70                  | 14.700      | 14.720                           | Pass                    | 0.00                  | 0.000         | -0.003                                | Pass                      |
| 25.00            | 18.53                  | 18.525      | 18.530                           | Pass                    | 3.00                  | 3.000         | 2.990                                 | Pass                      |
| 50.00            | 22.35                  | 22.350      | 22.360                           | Pass                    | 6.00                  | 6.000         | 5.990                                 | Pass                      |
| 75.00            | 26.18                  | 26.175      | 26.180                           | Pass                    | 9.00                  | 9.000         | 8.990                                 | Pass                      |
| 100.00           | 30.00                  | 30.000      | 30.020                           | Pass                    | 12.00                 | 12.000        | 11.990                                | Pass                      |

| Target % Of Span | Temperature           |               |                              |                            | Analog Out         |              |                     |                        |
|------------------|-----------------------|---------------|------------------------------|----------------------------|--------------------|--------------|---------------------|------------------------|
|                  | Specified Range Deg F | Applied Deg F | Indicated Digital Temp Deg F | Pass Fail +/- 0.6666 Deg F | Specified Range mA | Simulated mA | Indicated Output mA | Pass Fail +/- 0.016 mA |
| 0.00             | 0.00                  | 0.00          | -0.110                       | Pass                       | 4.0000             | 4.0000       | 4.0020              | Pass                   |
| 25.00            | 37.50                 | 37.50         | 37.420                       | Pass                       | 8.0000             | 8.0000       | 8.0020              | Pass                   |
| 50.00            | 75.00                 | 75.00         | 74.920                       | Pass                       | 12.0000            | 12.0000      | 12.0020             | Pass                   |
| 75.00            | 112.50                | 112.50        | 112.470                      | Pass                       | 16.0000            | 16.0000      | 16.0020             | Pass                   |
| 100.00           | 150.00                | 150.00        | 150.050                      | Pass                       | 20.0000            | 20.0000      | 20.0030             | Pass                   |

**As Left Calibration Data**

| Target % Of Span | Static Pressure        |             |                                  |                         | Differential Pressure |               |                                       |                           |
|------------------|------------------------|-------------|----------------------------------|-------------------------|-----------------------|---------------|---------------------------------------|---------------------------|
|                  | Specified Range in PSI | Applied PSI | Indicated Static Pressure in PSI | Pass Fail +/- 0.052 PSI | Specified Range InH2O | Applied InH2O | Indicated Differential Pressure InH2O | Pass Fail +/- 0.012 InH2O |
| 0.00             | 14.70                  | 14.700      | 14.720                           | Pass                    | 0.00                  | 0.000         | -0.003                                | Pass                      |
| 25.00            | 18.53                  | 18.525      | 18.530                           | Pass                    | 3.00                  | 3.000         | 2.990                                 | Pass                      |
| 50.00            | 22.35                  | 22.350      | 22.360                           | Pass                    | 6.00                  | 6.000         | 5.990                                 | Pass                      |
| 75.00            | 26.18                  | 26.175      | 26.180                           | Pass                    | 9.00                  | 9.000         | 8.990                                 | Pass                      |
| 100.00           | 30.00                  | 30.000      | 30.020                           | Pass                    | 12.00                 | 12.000        | 11.990                                | Pass                      |

| Target % Of Span | Temperature           |               |                              |                            | Analog Out         |              |                     |                        |
|------------------|-----------------------|---------------|------------------------------|----------------------------|--------------------|--------------|---------------------|------------------------|
|                  | Specified Range Deg F | Applied Deg F | Indicated Digital Temp Deg F | Pass Fail +/- 0.6666 Deg F | Specified Range mA | Simulated mA | Indicated Output mA | Pass Fail +/- 0.016 mA |
| 0.00             | 0.00                  | 0.00          | -0.110                       | Pass                       | 4.0000             | 4.0000       | 4.0020              | Pass                   |
| 25.00            | 37.50                 | 37.50         | 37.420                       | Pass                       | 8.0000             | 8.0000       | 8.0020              | Pass                   |
| 50.00            | 75.00                 | 75.00         | 74.920                       | Pass                       | 12.0000            | 12.0000      | 12.0020             | Pass                   |
| 75.00            | 112.50                | 112.50        | 112.470                      | Pass                       | 16.0000            | 16.0000      | 16.0020             | Pass                   |
| 100.00           | 150.00                | 150.00        | 150.050                      | Pass                       | 20.0000            | 20.0000      | 20.0030             | Pass                   |

**Certification**

This is to validate that the listed product performs within the acceptable performance variation of the test equipment. Measuring and test equipment used in the inspection and validation of the listed product are traceable to the National Institute of Standards and Technology.

*David James*

David James  
 Rosemount Service Representative  
 PH: 209-597-0378

February 16, 2022

Date



**Rosemount Service**  
 8200 Market Blvd.  
 Chanhassen, MN 55317  
 T: 800-654-7768  
 F: 952-906-6844

February 16, 2022

**CALIBRATION DATA SHEET**

Consistent with ISO 10474 2.1 or EN 10204 2.1

**Contact Information**

|                                                                                                                                                                                                                                                                          |                                                                                                                                                                                |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Purchase Order: 0<br>Customer Name: Telstar Instruments<br>Location/Project: Mountain View/18 1 SMI Utility<br>Address 1: 231 Whisman Road<br>Address 2: Mountain View Ca 94043<br>Customer Contact: Tyrone Brown<br>Phone: 510-693-8043<br>Email: tbrown@telstarinc.com | Service Request: 0<br>Quote#: 0<br>Sales Representative: 0<br>Phone:<br>Email:<br>Service Representative: David James<br>Phone: 209-597-0378<br>Email: David.James@Emerson.com |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

**Device Information**

|                                |
|--------------------------------|
| Device Type: Multivariable     |
| Device Tag: FL-180A            |
| Model: 3095MA13AA11AA110ABC2Q4 |
| Serial #: 296459               |

**Calibration Range Data**

|                              |      |    |     |       |
|------------------------------|------|----|-----|-------|
| Static Pressure Range:       | 14.7 | To | 30  | PSI   |
| Differential Pressure Range: | 0    | To | 16  | InH2O |
| Temperature Range:           | 0    | To | 150 | F     |
| Analog Output Range:         | 4    | To | 20  | mA    |

**Test Equipment Used**

| Asset #      | Description                              | Calibration Due |
|--------------|------------------------------------------|-----------------|
| ES-01491     | Fluke 754 Documenting Process Calibrator | 5-Sep-22        |
| S/N 24284505 | Fluke 750PD5 Pressure Module             | 11-Jan-23       |
| 0            | 0                                        | 0-Jan-00        |
| 0            | 0                                        | 0-Jan-00        |

**As Found Calibration Data**

| Target % Of Span | Static Pressure        |             |                                  |                           | Differential Pressure |               |                                       |                           |
|------------------|------------------------|-------------|----------------------------------|---------------------------|-----------------------|---------------|---------------------------------------|---------------------------|
|                  | Specified Range in PSI | Applied PSI | Indicated Static Pressure in PSI | Pass Fail +/- 0.06459 PSI | Specified Range InH2O | Applied InH2O | Indicated Differential Pressure InH2O | Pass Fail +/- 0.016 InH2O |
| 0.00             | 14.70                  | 14.700      | 14.703                           | Pass                      | 0.00                  | 0.000         | -0.007                                | Pass                      |
| 25.00            | 18.53                  | 18.525      | 18.531                           | Pass                      | 4.00                  | 4.000         | 3.990                                 | Pass                      |
| 50.00            | 22.35                  | 22.350      | 22.362                           | Pass                      | 8.00                  | 8.000         | 7.990                                 | Pass                      |
| 75.00            | 26.18                  | 26.175      | 26.179                           | Pass                      | 12.00                 | 12.000        | 11.990                                | Pass                      |
| 100.00           | 30.00                  | 30.000      | 30.003                           | Pass                      | 16.00                 | 16.000        | 16.000                                | Pass                      |

| Target % Of Span | Temperature           |               |                              |                           | Analog Out         |              |                     |                        |
|------------------|-----------------------|---------------|------------------------------|---------------------------|--------------------|--------------|---------------------|------------------------|
|                  | Specified Range Deg F | Applied Deg F | Indicated Digital Temp Deg F | Pass Fail +/- 1.008 Deg F | Specified Range mA | Simulated mA | Indicated Output mA | Pass Fail +/- 0.016 mA |
| 0.00             | 0.00                  | 0.00          | -0.450                       | Pass                      | 4.0000             | 4.0000       | 3.9990              | Pass                   |
| 25.00            | 37.50                 | 37.50         | 36.990                       | Pass                      | 8.0000             | 8.0000       | 7.9980              | Pass                   |
| 50.00            | 75.00                 | 75.00         | 74.510                       | Pass                      | 12.0000            | 12.0000      | 11.9980             | Pass                   |
| 75.00            | 112.50                | 112.50        | 112.030                      | Pass                      | 16.0000            | 16.0000      | 15.9980             | Pass                   |
| 100.00           | 150.00                | 150.00        | 149.570                      | Pass                      | 20.0000            | 20.0000      | 19.9980             | Pass                   |

**As Left Calibration Data**

| Target % Of Span | Static Pressure        |             |                                  |                           | Differential Pressure |               |                                       |                           |
|------------------|------------------------|-------------|----------------------------------|---------------------------|-----------------------|---------------|---------------------------------------|---------------------------|
|                  | Specified Range in PSI | Applied PSI | Indicated Static Pressure in PSI | Pass Fail +/- 0.06459 PSI | Specified Range InH2O | Applied InH2O | Indicated Differential Pressure InH2O | Pass Fail +/- 0.016 InH2O |
| 0.00             | 14.70                  | 14.700      | 14.703                           | Pass                      | 0.00                  | 0.000         | -0.007                                | Pass                      |
| 25.00            | 18.53                  | 18.525      | 18.531                           | Pass                      | 4.00                  | 4.000         | 3.990                                 | Pass                      |
| 50.00            | 22.35                  | 22.350      | 22.362                           | Pass                      | 8.00                  | 8.000         | 7.990                                 | Pass                      |
| 75.00            | 26.18                  | 26.175      | 26.179                           | Pass                      | 12.00                 | 12.000        | 11.990                                | Pass                      |
| 100.00           | 30.00                  | 30.000      | 30.003                           | Pass                      | 16.00                 | 16.000        | 16.000                                | Pass                      |

| Target % Of Span | Temperature           |               |                              |                           | Analog Out         |              |                     |                        |
|------------------|-----------------------|---------------|------------------------------|---------------------------|--------------------|--------------|---------------------|------------------------|
|                  | Specified Range Deg F | Applied Deg F | Indicated Digital Temp Deg F | Pass Fail +/- 1.008 Deg F | Specified Range mA | Simulated mA | Indicated Output mA | Pass Fail +/- 0.016 mA |
| 0.00             | 0.00                  | 0.00          | -0.450                       | Pass                      | 4.0000             | 4.0000       | 3.9990              | Pass                   |
| 25.00            | 37.50                 | 37.50         | 36.990                       | Pass                      | 8.0000             | 8.0000       | 7.9980              | Pass                   |
| 50.00            | 75.00                 | 75.00         | 74.510                       | Pass                      | 12.0000            | 12.0000      | 11.9980             | Pass                   |
| 75.00            | 112.50                | 112.50        | 112.030                      | Pass                      | 16.0000            | 16.0000      | 15.9980             | Pass                   |
| 100.00           | 150.00                | 150.00        | 149.570                      | Pass                      | 20.0000            | 20.0000      | 19.9980             | Pass                   |

**Certification**

This is to validate that the listed product performs within the acceptable performance variation of the test equipment. Measuring and test equipment used in the inspection and validation of the listed product are traceable to the National Institute of Standards and Technology.

*David James*

David James  
 Rosemount Service Representative  
 PH: 209-597-0378

February 16, 2022

Date



**Rosemount Service**  
 8200 Market Blvd.  
 Chanhassen, MN 55317  
 T: 800-654-7768  
 F: 952-908-8844

February 16, 2022

**CALIBRATION DATA SHEET**

Consistent with ISO 10474 2.1 or EN 10204 2.1

**Contact Information**

|                                                  |                                    |                                     |                                |
|--------------------------------------------------|------------------------------------|-------------------------------------|--------------------------------|
| Purchase Order: 0                                | Customer Name: Telstar Instruments | Service Request: 0                  | Quote#: 0                      |
| Location/Project: Mountain View/18 1 SMI Utility | Address 1: 231 Whisman Road        | Sales Representative: 0             | Phone:                         |
| Address 2: Mountain View Ca 94043                | Customer Contact: Tyrone Brown     | Service Representative: David James | Email: David.James@Emerson.com |
| Phone: 510-693-8043                              | Email: tbrown@telstarinc.com       | 209-597-0378                        |                                |

**Device Information**

|                                 |
|---------------------------------|
| Device Type: Multivariable      |
| Device Tag: FL-10A              |
| Model: 3095MA13AAA11AA110ABC2Q4 |
| Serial #: 296498                |

**Calibration Range Data**

|                              |      |    |     |       |
|------------------------------|------|----|-----|-------|
| Static Pressure Range:       | 14.7 | To | 30  | PSI   |
| Differential Pressure Range: | 0    | To | 25  | InH2O |
| Temperature Range:           | 0    | To | 150 | F     |
| Analog Output Range:         | 4    | To | 20  | mA    |

**Test Equipment Used**

| Asset #      | Description                              | Calibration Due |
|--------------|------------------------------------------|-----------------|
| ES-01491     | Fluke 754 Documenting Process Calibrator | 5-Sep-22        |
| S/N 24284505 | Fluke 750PD5 Pressure Module             | 11-Jan-23       |
| 0            | 0                                        | 0-Jan-00        |
| 0            | 0                                        | 0-Jan-00        |

**As Found Calibration Data**

| Target % Of Span | Static Pressure        |             |                                  |                           | Differential Pressure |               |                                       |                           |
|------------------|------------------------|-------------|----------------------------------|---------------------------|-----------------------|---------------|---------------------------------------|---------------------------|
|                  | Specified Range in PSI | Applied PSI | Indicated Static Pressure in PSI | Pass Fail +/- 0.06459 PSI | Specified Range InH2O | Applied InH2O | Indicated Differential Pressure InH2O | Pass Fail +/- 0.025 InH2O |
| 0.00             | 14.70                  | 14.700      | 14.690                           | Pass                      | 0.00                  | 0.000         | -0.003                                | Pass                      |
| 25.00            | 18.53                  | 18.525      | 18.500                           | Pass                      | 6.25                  | 6.250         | 6.248                                 | Pass                      |
| 50.00            | 22.35                  | 22.350      | 22.330                           | Pass                      | 12.50                 | 12.500        | 12.498                                | Pass                      |
| 75.00            | 26.18                  | 26.175      | 26.140                           | Pass                      | 18.75                 | 18.750        | 18.749                                | Pass                      |
| 100.00           | 30.00                  | 30.000      | 29.960                           | Pass                      | 25.00                 | 25.000        | 24.999                                | Pass                      |

| Target % Of Span | Temperature           |               |                              |                           | Analog Out         |              |                     |                        |
|------------------|-----------------------|---------------|------------------------------|---------------------------|--------------------|--------------|---------------------|------------------------|
|                  | Specified Range Deg F | Applied Deg F | Indicated Digital Temp Deg F | Pass Fail +/- 1.008 Deg F | Specified Range mA | Simulated mA | Indicated Output mA | Pass Fail +/- 0.016 mA |
| 0.00             | 0.00                  | 0.00          | -0.320                       | Pass                      | 4.0000             | 4.0000       | 4.0020              | Pass                   |
| 25.00            | 37.50                 | 37.50         | 36.950                       | Pass                      | 8.0000             | 8.0000       | 8.0010              | Pass                   |
| 50.00            | 75.00                 | 75.00         | 74.250                       | Pass                      | 12.0000            | 12.0000      | 12.0010             | Pass                   |
| 75.00            | 112.50                | 112.50        | 111.580                      | Pass                      | 16.0000            | 16.0000      | 16.0000             | Pass                   |
| 100.00           | 150.00                | 150.00        | 148.930                      | Fail                      | 20.0000            | 20.0000      | 20.0010             | Pass                   |

**As Left Calibration Data**

| Target % Of Span | Static Pressure        |             |                                  |                           | Differential Pressure |               |                                       |                           |
|------------------|------------------------|-------------|----------------------------------|---------------------------|-----------------------|---------------|---------------------------------------|---------------------------|
|                  | Specified Range in PSI | Applied PSI | Indicated Static Pressure in PSI | Pass Fail +/- 0.06459 PSI | Specified Range InH2O | Applied InH2O | Indicated Differential Pressure InH2O | Pass Fail +/- 0.025 InH2O |
| 0.00             | 14.70                  | 14.700      | 14.690                           | Pass                      | 0.00                  | 0.000         | -0.003                                | Pass                      |
| 25.00            | 18.53                  | 18.525      | 18.500                           | Pass                      | 6.25                  | 6.250         | 6.248                                 | Pass                      |
| 50.00            | 22.35                  | 22.350      | 22.330                           | Pass                      | 12.50                 | 12.500        | 12.498                                | Pass                      |
| 75.00            | 26.18                  | 26.175      | 26.140                           | Pass                      | 18.75                 | 18.750        | 18.749                                | Pass                      |
| 100.00           | 30.00                  | 30.000      | 29.960                           | Pass                      | 25.00                 | 25.000        | 24.999                                | Pass                      |

| Target % Of Span | Temperature           |               |                              |                           | Analog Out         |              |                     |                        |
|------------------|-----------------------|---------------|------------------------------|---------------------------|--------------------|--------------|---------------------|------------------------|
|                  | Specified Range Deg F | Applied Deg F | Indicated Digital Temp Deg F | Pass Fail +/- 1.008 Deg F | Specified Range mA | Simulated mA | Indicated Output mA | Pass Fail +/- 0.016 mA |
| 0.00             | 0.00                  | 0.00          | -0.020                       | Pass                      | 4.0000             | 4.0000       | 4.0020              | Pass                   |
| 25.00            | 37.50                 | 37.50         | 37.450                       | Pass                      | 8.0000             | 8.0000       | 8.0010              | Pass                   |
| 50.00            | 75.00                 | 75.00         | 74.940                       | Pass                      | 12.0000            | 12.0000      | 12.0010             | Pass                   |
| 75.00            | 112.50                | 112.50        | 112.470                      | Pass                      | 16.0000            | 16.0000      | 16.0000             | Pass                   |
| 100.00           | 150.00                | 150.00        | 150.010                      | Pass                      | 20.0000            | 20.0000      | 20.0010             | Pass                   |

**Certification**

This is to validate that the listed product performs within the acceptable performance variation of the test equipment. Measuring and test equipment used in the inspection and validation of the listed product are traceable to the National Institute of Standards and Technology.

*David James*

David James  
 Rosemount Service Representative  
 PH: 209-597-0378

February 16, 2022

Date

## SECTION II

### LANDFILL GAS COLLECTION SYSTEM DOWNTIME

**CITY OF MOUNTAIN VIEW  
 SHORELINE LANDFILL, FACILITY ID A2740  
 LANDFILL GAS COLLECTION SYSTEM SHUTDOWN SUMMARY  
 January 1 - June 30, 2023**

| Well ID | Reasons for Shutdown *                       | Date: Time      |                  | Shutdown Duration<br>Hours: Minutes |
|---------|----------------------------------------------|-----------------|------------------|-------------------------------------|
|         |                                              | Shutdown        | Start-up         |                                     |
| TPD-10  | Separation in header at tee                  | 4/10/23 2:00 PM | 4/11/23 10:00 AM | 20:00                               |
| N/A     | Replace old PVC header section with new HDPE | 4/25/23 2:00 PM | 4/26/23 12:00 PM | 22:00                               |
| N/A     | Install new 6" sump                          | 5/23/23 7:00 AM | 5/23/23 8:00 AM  | 1:00                                |
| N/A     | Repair separation in sump                    | 6/6/23 8:00 AM  | 6/6/23 11:00 AM  | 3:00                                |

\* SSM plan report forms are attached for shutdown and startup events.

\* Flare station shutdowns are included in section III – Emission control system shutdown

# SSM PLAN FORM / LANDFILL GAS REPAIR CITY OF MOUNTAIN VIEW

## RESPONSE TO LANDFILL GAS COLLECTION AND EMISSIONS CONTROL SYSTEM LEAK?

NO  YES

**ENGR. & ENVIRONMENTAL  
COMPLIANCE DIVISION**

If Yes, Concentration Above Background (ppmv) \_\_\_\_\_

(If form completed in response to landfill gas collection and emissions control system leak,  
repair must be completed within 7 calendar days)

APR 11 2023

**DATE:**

Identified 3/28/23  
~~Shutdown~~/Malfunction 4/10/23  
 Startup 4/11/23  
 Shutdown/Malfunction NA

**TIME:**

7:00 ~~am~~ / pm  
2:00 am / ~~pm~~  
10:00 ~~am~~ / pm  
 \_\_\_\_\_ am / pm

CITY OF MOUNTAIN VIEW

**LOCATION:**

Well # TPD-10  
 Grid # EG-70  
 Sump # NA

**SITE:**

\_\_\_\_\_ Back Nine  
 \_\_\_\_\_ Vista  
 \_\_\_\_\_ Northshore  
 Crittenden  
 \_\_\_\_\_ Cell 6A NE  
 \_\_\_\_\_ Front Nine  
 \_\_\_\_\_ Control Device

**AFFECTED EQUIPMENT**

**HEADER**

Gas Line  
 Air Line  
 Condensate Line  
 Valve Assembly

**LATERAL**

\_\_\_\_\_ Gas Line  
 \_\_\_\_\_ Air Line  
 \_\_\_\_\_ Condensate Line  
 \_\_\_\_\_ Valve Assembly

\_\_\_\_\_ Casing  
 \_\_\_\_\_ Pump

**SUMP/DRAIN**

\_\_\_\_\_ Pump

**DESCRIPTION/ PROCEDURE FOR THE REPAIR:** Remove old TCE and Valve assembly and replace with new TCE, Valve assembly and Fusion couplings

Cause/Reason for ~~Shutdown~~/Malfunction: \_\_\_\_\_

Separation in header at TCE

SSM Plan Procedures Followed:  yes  no

Explain procedure used, if SSM Plan Procedure not followed: \_\_\_\_\_

If Emission Exceedence and SSM Procedures are not followed it must be reported to EPA/BAAQMD within 48 hours per SSM plan  
**(Report to EEC immediately and complete departure report)**

Signature

Date

4/17/23



# SSM PLAN FORM / LANDFILL GAS REPAIR CITY OF MOUNTAIN VIEW

## RESPONSE TO LANDFILL GAS COLLECTION AND EMISSIONS CONTROL SYSTEM LEAK?

NO  YES

If Yes, Concentration Above Background (ppmv) \_\_\_\_\_

(If form completed in response to landfill gas collection and emissions control system leak, repair must be completed within 7 calendar days)

**DATE:** Identified 4/10/2023 **TIME:** 8:00 am / pm  
 Shutdown/Malfunction 4/25/2023 2:00 am / pm  
 Startup 4/26/2023 12:00 am / pm  
 Shutdown/Malfunction NA NA am / pm

**LOCATION:** Well # NA **SITE:** \_\_\_\_\_ Back Nine  
 Grid # EG-71 \_\_\_\_\_ Vista  
 Sump # LRS-06A \_\_\_\_\_ Northshore  
 \_\_\_\_\_  Crittenden  
 \_\_\_\_\_  Cell 6A NE  
 \_\_\_\_\_ Front Nine  
 \_\_\_\_\_ Control Device

**AFFECTED EQUIPMENT**

| <u>HEADER</u>                                      | <u>LATERAL</u>        | <u>SUMP/DRAIN</u>                        |
|----------------------------------------------------|-----------------------|------------------------------------------|
| <input checked="" type="checkbox"/> Gas Line       | _____ Gas Line        | _____ Casing                             |
| _____ Air Line                                     | _____ Air Line        | _____ Pump                               |
| _____ Condensate Line                              | _____ Condensate Line | <input checked="" type="checkbox"/> Pump |
| <input checked="" type="checkbox"/> Valve Assembly | _____ Valve Assembly  |                                          |

**DESCRIPTION/ PROCEDURE FOR THE REPAIR:** Excavate old PVC header. Contractor (Core + Main) to fabricate new HDPE header. City staff to install, backfill and compact.

Cause/Reason for Shutdown/Malfunction: \_\_\_\_\_  
Replace old PVC header section with new HDPE pipe.  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

SSM Plan Procedures Followed:  yes  no  
 Explain procedure used, if SSM Plan Procedure not followed:  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

 \_\_\_\_\_  
**Signature** 4/27/23  
**Date**

If Emission Exceedence and SSM Procedures are not followed it must be reported to EPA/BAAQMD within 48 hours per SSM plan  
**(Report to EEC immediately and complete departure report)**

# SSM PLAN FORM / LANDFILL GAS REPAIR CITY OF MOUNTAIN VIEW

**RESPONSE TO LANDFILL GAS COLLECTION AND EMISSIONS CONTROL SYSTEM LEAK?**

X  NO \_\_\_\_\_ YES

ENGR. & ENVIRONMENTAL  
COMPLIANCE DIVISION

**If Yes, Concentration Above Background (ppmv)** \_\_\_\_\_

(If form completed in response to landfill gas collection and emissions control system leak, repair must be completed within 7 calendar days)

MAY 22 2023

**DATE:** Identified 4/28/23 **TIME:** 9:00 am / pm  
Shutdown/Malfunction 5/23/23 7:00 am / pm  
 Startup 5/23/23 8:00 am / pm  
 Shutdown/Malfunction NA NA am / pm

**LOCATION:** Well # NA **SITE:** \_\_\_\_\_ Back Nine  
 Grid # P-56 \_\_\_\_\_ Vista  
 Sump # NA \_\_\_\_\_ Northshore  
 \_\_\_\_\_ Crittenden  
 \_\_\_\_\_ Cell 6A NE  
 X  \_\_\_\_\_ Front Nine  
 \_\_\_\_\_ Control Device

**AFFECTED EQUIPMENT**

|                            |                       |                   |
|----------------------------|-----------------------|-------------------|
| <b>HEADER</b>              | <b>LATERAL</b>        |                   |
| <u> X </u> Gas Line        | _____ Gas Line        | _____ Casing      |
| <u> X </u> Air Line        | _____ Air Line        | _____ Pump        |
| <u> X </u> Condensate Line | _____ Condensate Line | <b>SUMP/DRAIN</b> |
| _____ Valve Assembly       | _____ Valve Assembly  | _____ Pump        |

**DESCRIPTION/ PROCEDURE FOR THE REPAIR:** Install new 6" sump, connect new air / condensate lines, Back Fill, compact and set boxes to grade

Cause/Reason for Shutdown/Malfunction: \_\_\_\_\_ SSM Plan Procedures Followed: yes no  
Header Settlement \_\_\_\_\_ Explain procedure used, if SSM Plan Procedure not followed: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

James R. Bean  
 Signature 5/23/23  
 Date

If Emission Exceedence and SSM Procedures are not followed it must be reported to EPA/BAAQMD within 48 hours per SSM plan  
**(Report to EEC immediately and complete departure report)**

# SSM PLAN FORM / LANDFILL GAS REPAIR CITY OF MOUNTAIN VIEW

## RESPONSE TO LANDFILL GAS COLLECTION AND EMISSIONS CONTROL SYSTEM LEAK?

NO  YES

If Yes, Concentration Above Background (ppmv) \_\_\_\_\_

(If form completed in response to landfill gas collection and emissions control system leak, repair must be completed within 7 calendar days)

DATE: Identified 3/1/2023 TIME: 9:00 am / pm  
~~Shutdown~~/Malfunction 6/6/2023 8:00 am / pm  
 Startup 6/6/2023 11:00 am / pm  
 Shutdown/Malfunction NA NA am / pm

LOCATION: Well # NA SITE: \_\_\_\_\_ Back Nine  
 Grid # NA \_\_\_\_\_ Vista  
 Sump # ES-01 \_\_\_\_\_ Northshore  
 \_\_\_\_\_ Crittenden  
 \_\_\_\_\_ Cell 6A NE  
 Front Nine  
 \_\_\_\_\_ Control Device

### AFFECTED EQUIPMENT

| HEADER                                       | LATERAL                                             |                                            |
|----------------------------------------------|-----------------------------------------------------|--------------------------------------------|
| <input checked="" type="checkbox"/> Gas Line | <input type="checkbox"/> Gas Line                   | <input checked="" type="checkbox"/> Casing |
| <input type="checkbox"/> Air Line            | <input checked="" type="checkbox"/> Air Line        | <input checked="" type="checkbox"/> Pump   |
| <input type="checkbox"/> Condensate Line     | <input checked="" type="checkbox"/> Condensate Line | <b>SUMP/DRAIN</b>                          |
| <input type="checkbox"/> Valve Assembly      | <input type="checkbox"/> Valve Assembly             | <input checked="" type="checkbox"/> Pump   |

DESCRIPTION/ PROCEDURE FOR THE REPAIR: Excavate to header and remove old offset sump. Install new inline sump. Backfill, compact and set boxes to grade. Install new pump and fittings.

Cause/Reason for ~~Shutdown~~/Malfunction: \_\_\_\_\_

SSM Plan Procedures Followed:  yes  no

Repair separation in sump. existing sump is offset. will be installing a new inline sump.

Explain procedure used, if SSM Plan Procedure not followed:  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

If Emission Exceedence and SSM Procedures are not followed it must be reported to EPA/BAAQMD within 48 hours per SSM plan  
**(Report to EEC immediately and complete departure report)**

  
 Signature

6/6/23  
 Date

## SECTION III

### EMISSION CONTROL SYSTEM DOWNTIME

**CITY OF MOUNTAIN VIEW  
SHORELINE LANDFILL, FACILITY ID A2740  
EMISSION CONTROL SYSTEM SHUTDOWN SUMMARY  
January 1 - June 30, 2023**

| Period                                                        | Duration<br>Hours: Minutes |
|---------------------------------------------------------------|----------------------------|
| <b>Total shutdown duration from January 1 - June 30, 2023</b> | <b>23:08</b>               |

| Date      | Description * (January 1 - June 30, 2023)<br>Maintenance, operation and repairs requiring Flare station Shutdown | Shutdown | Start up | Duration<br>Hours: Minutes |
|-----------|------------------------------------------------------------------------------------------------------------------|----------|----------|----------------------------|
| 1/3/2023  | Sumps out behind flare station                                                                                   | 2:11 PM  | 2:30 PM  | 0:19                       |
| 1/3/2023  | Sumps out behind flare station                                                                                   | 3:45 PM  | 3:55 PM  | 0:10                       |
| 1/3/2023  | Sumps out behind flare station                                                                                   | 7:08 PM  | 9:15 PM  | 2:07                       |
| 1/3/2023  | Sumps out behind flare station                                                                                   | 10:20 PM | 10:51 PM | 0:31                       |
| 1/12/2023 | Blower change                                                                                                    | 8:56 AM  | 9:40 AM  | 0:44                       |
| 1/20/2023 | Change flare #2                                                                                                  | 8:27 AM  | 8:35 AM  | 0:08                       |
| 1/25/2023 | Flare station source test                                                                                        | 12:35 PM | 12:45 PM | 0:10                       |
| 1/28/2023 | Low gas flow                                                                                                     | 11:50 PM | 12:05 AM | 0:15                       |
| 1/31/2023 | Calibrate flow meters (Telstar)                                                                                  | 7:14 AM  | 10:24 AM | 3:10                       |
| 2/6/2023  | Change out valves for blowers                                                                                    | 8:41 AM  | 11:44 AM | 3:03                       |
| 2/11/2023 | Change 10" valve at blower #1                                                                                    | 7:20 AM  | 8:13 AM  | 0:53                       |
| 2/14/2023 | Change valve on Flare #2                                                                                         | 8:40 AM  | 9:06 AM  | 0:26                       |
| 3/21/2023 | Power failure                                                                                                    | 1:15 PM  | 1:23 PM  | 0:08                       |
| 3/28/2023 | Telstar testing loop inlet gas flows                                                                             | 8:24 AM  | 9:37 AM  | 1:13                       |
| 4/1/2023  | Low gas flow                                                                                                     | 1:20 PM  | 2:42 PM  | 1:22                       |
| 4/6/2023  | Low gas flow                                                                                                     | 1:50 PM  | 2:20 PM  | 0:30                       |
| 4/10/2023 | Cleaned purple peepers and repaired sump                                                                         | 7:21 AM  | 9:56 AM  | 2:35                       |
| 5/13/2023 | High Temperature                                                                                                 | 2:18 PM  | 3:29 PM  | 1:11                       |
| 6/4/2023  | Low gas flow                                                                                                     | 7:10 PM  | 7:19 PM  | 0:09                       |
| 6/13/2023 | Blower change from #3 to #2                                                                                      | 7:23 AM  | 7:35 AM  | 0:12                       |
| 6/14/2023 | Telstar to calibrate flare flow meters                                                                           | 7:16 AM  | 10:37 AM | 3:21                       |
| 6/14/2023 | Telstar to calibrate flare flow meters                                                                           | 10:59 AM | 11:30 AM | 0:31                       |

\* - Monitoring records are attached.

SSM PLAN REPORT FORM /  
FLARE STATION DAILY CHECKLIST  
City of Mountain View Flare Station

Date January, 3<sup>rd</sup>, 2023  
s m o w t h f s

AM MONITORING

PM MONITORING

Name Miguel Varela  
Arrival Time 6:20AM Departure Time 6:40AM  
GEM# Envision #4 Manometer  yes  no

Name \_\_\_\_\_  
Arrival Time \_\_\_\_\_ Departure Time \_\_\_\_\_  
GEM# \_\_\_\_\_ Manometer \_\_\_\_\_ yes / no

LFG to Flares

| CH4 % | CO2 % | O2 % |
|-------|-------|------|
| 47.6  | 34.2  | 1.6  |

LFG to Flares

| CH4 % | CO2 % | O2 % |
|-------|-------|------|
|       |       |      |

| Flare Operation | Temp. | Vac.  | SCFM |
|-----------------|-------|-------|------|
| Flare #1        | /     | /     | /    |
| Flare #2        | /     | /     | /    |
| Flare #3        | 1466  | 0.50" | 207  |

| Flare Operation | Temp. | Vac. | SCFM |
|-----------------|-------|------|------|
| Flare #1        |       |      |      |
| Flare #2        |       |      |      |
| Flare #3        |       |      |      |

| Blower Oper. | RPM  | Hours   |
|--------------|------|---------|
| Blower #1    | 2100 | 19928.8 |
| Blower #2    | /    | /       |
| Blower #3    | /    | /       |

| LFG at Inlets | 6A NE | Vista | F9 / B9 |
|---------------|-------|-------|---------|
| Vacuum        |       |       |         |
| SCFM          |       |       |         |

Air Compressor Hours: 10863.8

Back Up Generator Running  yes  no

Google SCFM: am: 27 pm: \_\_\_\_\_

Control Room Bypass  yes  no

| LFG at Inlets | 6A NE  | Vista  | F9 / B9 |
|---------------|--------|--------|---------|
| CH4 %         | 47.7   | 45.1   | 48.6    |
| CO2 %         | 34.3   | 32.9   | 32.5    |
| O2 %          | 1.3    | 1.2    | 2.7     |
| Vacuum        | -42.3" | -42.1" | -42.3"  |
| SCFM          | 173    | 138    | 69      |
| Temperature   | 57     | 58     | 57      |

The facility's program logic controller automatically reacted diligently and expeditiously to shut down the flare station, closed the shutdown valve as programmed isolating all LFG in the piping system to avoid excess emissions, and notified the staff.  yes  no

The program logic controller or staff restarted the flare station and / or back-up generator in a diligent and expeditious manner to avoid excess emissions.  yes  no

Comments and/or Description of Malfunction and Affected Equipment: \_\_\_\_\_

|                                     |        |        |            |
|-------------------------------------|--------|--------|------------|
| Time of Shutdown:                   | 2:11pm | 3:45pm | 7:06pm     |
| Time of Start-Up:                   | 2:30pm | 3:55pm | 9:15pm     |
| Duration of (Shutdown) Malfunction: | 19 min | 10 min | 2 hr 7 min |

|                                                                                     |
|-------------------------------------------------------------------------------------|
| 10:20pm                                                                             |
| 10:51pm                                                                             |
| 31 min                                                                              |
| Emission Exceedence: <input type="radio"/> yes* <input checked="" type="radio"/> no |

Reason for (Shutdown) Malfunction:  
 Air-Compressor System  Blower  High Gas Flow  
 High Temperature  LEL  Low Gas Flow  
 Low Temperature  UV Scanner System  
 Power Failure  Scheduled Preventive Maintenance

SSM Plan Procedures Followed:  yes  no\*  
 If SSM Plan Procedure not followed, explain procedure used: \_\_\_\_\_

Sumps out behind flare station.

\* If Emission Exceedence or SSM Procedures are not followed it must be reported to EPA/BAAQMD within 24 hours per SSM plan. (Report to EEC immediately and complete departure report)

Signature [Signature] Date 1/3/23

Are any comments, descriptions, other information, etc. continued on the back side?  yes  no

SSM PLAN REPORT FORM /  
FLARE STATION DAILY CHECKLIST  
City of Mountain View Flare Station

Date 1/12/23  
s m t w **th** f s

AM MONITORING

Name LEON ROSARIO  
Arrival Time 7:30 am Departure Time 7:40 am  
GEM# ENV #4 Manometer  yes  no

LFG to Flares

| CH4 % | CO2 % | O2 % |
|-------|-------|------|
| 48.8  | 34.8  | 1.1  |

| Flare Operation | Temp. | Vac.  | SCFM |
|-----------------|-------|-------|------|
| Flare #1        | /     | /     | /    |
| Flare #2        | /     | /     | /    |
| Flare #3        | 1634  | 1.17" | 309  |

| Blower Oper. | RPM  | Hours   |
|--------------|------|---------|
| Blower #1    | 2100 | 10144.1 |
| Blower #2    | /    | /       |
| Blower #3    | /    | /       |

Air Compressor Hours: 10932.4

Google SCFM: am: 0 pm:

| LFG at Inlets | 6A NE  | Vista  | F9 / B9 |
|---------------|--------|--------|---------|
| CH4 %         | 50.2   | 45.3   | 52.7    |
| CO2 %         | 34.1   | 32.6   | 33.1    |
| O2 %          | 1.0    | 0.9    | 1.9     |
| Vacuum        | -41.8" | -41.0" | -41.7"  |
| SCFM          | 173    | 226    | 35      |
| Temperature   | 58     | 59     | 58      |

Time of Shutdown: 8:56 am  
Time of Start-Up: 9:40 am  
Duration of Shutdown/Malfunction: 44 min

Reason for Shutdown/Malfunction:

- Air-Compressor System
- Blower
- High Gas Flow
- High Temperature
- LEL
- Low Gas Flow
- Low Temperature
- UV Scanner System
- Power Failure
- Scheduled Preventive Maintenance

Blower change

PM MONITORING

Name \_\_\_\_\_  
Arrival Time \_\_\_\_\_ Departure Time \_\_\_\_\_  
GEM# \_\_\_\_\_ Manometer \_\_\_\_\_ yes / no

LFG to Flares

| CH4 % | CO2 % | O2 % |
|-------|-------|------|
|       |       |      |

| Flare Operation | Temp. | Vac. | SCFM |
|-----------------|-------|------|------|
| Flare #1        |       |      |      |
| Flare #2        |       |      |      |
| Flare #3        |       |      |      |

| LFG at Inlets | 6A NE | Vista | F9 / B9 |
|---------------|-------|-------|---------|
| Vacuum        |       |       |         |
| SCFM          |       |       |         |

Back Up Generator Running  yes  no

Control Room Bypass  yes  no

The facility's program logic controller automatically reacted diligently and expeditiously to shut down the flare station, closed the shutdown valve as programmed isolating all LFG in the piping system to avoid excess emissions, and notified the staff.

The program logic controller or staff restarted the flare station and / or back-up generator in a diligent and expeditious manner to avoid excess emissions.

Comments and/or Description of Malfunction and Affected Equipment:

Emission Exceedence:  yes\*  no

SSM Plan Procedures Followed:  yes  no\*

If SSM Plan Procedure not followed, explain procedure used:

\* If Emission Exceedence or SSM Procedures are not followed it must be reported to EPA/BAAQMD within 24 hours per SSM plan. (Report to EEC immediately and complete departure report)

Are any comments, descriptions, other information, etc. continued on the back side?  yes  no

Signature [Signature] Date 1/12/23

SSM PLAN REPORT FORM /  
FLARE STATION DAILY CHECKLIST  
City of Mountain View Flare Station

Date January 20<sup>th</sup>, 2023  
s m w th (f) s

AM MONITORING

PM MONITORING

Name Adrian Vega

Name \_\_\_\_\_

Arrival Time 7:35AM Departure Time 7:45AM

Arrival Time \_\_\_\_\_ Departure Time \_\_\_\_\_

GEM# Emission #4 Manometer  yes  no

GEM# \_\_\_\_\_ Manometer  yes  no

LFG to Flares

| CH4 %       | CO2 %       | O2 %       |
|-------------|-------------|------------|
| <u>48.2</u> | <u>32.9</u> | <u>1.8</u> |

LFG to Flares

| CH4 % | CO2 % | O2 % |
|-------|-------|------|
|       |       |      |

| Flare Operation | Temp.       | Vac.         | SCFM       |
|-----------------|-------------|--------------|------------|
| Flare #1        | /           | /            | /          |
| Flare #2        | /           | /            | /          |
| Flare #3        | <u>1629</u> | <u>1.06"</u> | <u>298</u> |

| Flare Operation | Temp. | Vac. | SCFM |
|-----------------|-------|------|------|
| Flare #1        |       |      |      |
| Flare #2        |       |      |      |
| Flare #3        |       |      |      |

| Blower Oper. | RPM         | Hours          |
|--------------|-------------|----------------|
| Blower #1    | /           | /              |
| Blower #2    | <u>2100</u> | <u>14249.5</u> |
| Blower #3    | /           | /              |

| LFG at Inlets | 6A NE | Vista | F9 / B9 |
|---------------|-------|-------|---------|
| Vacuum        |       |       |         |
| SCFM          |       |       |         |

Air Compressor Hours: 10981.4

Back Up Generator Running  yes  no

Google SCFM: am: 18 pm: \_\_\_\_\_

Control Room Bypass  yes  no

| LFG at Inlets | 6A NE         | Vista         | F9 / B9       |
|---------------|---------------|---------------|---------------|
| CH4 %         | <u>49.8</u>   | <u>45.2</u>   | <u>48.3</u>   |
| CO2 %         | <u>33.9</u>   | <u>31.3</u>   | <u>30.6</u>   |
| O2 %          | <u>1.3</u>    | <u>1.5</u>    | <u>3.7</u>    |
| Vacuum        | <u>-43.1"</u> | <u>-42.5"</u> | <u>-43.0"</u> |
| SCFM          | <u>171</u>    | <u>225</u>    | <u>84</u>     |
| Temperature   | <u>56</u>     | <u>57</u>     | <u>54</u>     |

The facility's program logic controller automatically reacted diligently and expeditiously to shut down the flare station, closed the shutdown valve as programmed isolating all LFG in the piping system to avoid excess emissions, and notified the staff.  yes  no

The program logic controller or staff restarted the flare station and / or back-up generator in a diligent and expeditious manner to avoid excess emissions.  yes  no

Comments and/or Description of Malfunction and Affected Equipment: \_\_\_\_\_

|                                              |               |
|----------------------------------------------|---------------|
| Time of Shutdown:                            | <u>8:27am</u> |
| Time of Start-Up:                            | <u>8:35am</u> |
| Duration of <del>Shutdown</del> Malfunction: | <u>8 min</u>  |

Emission Exceedence:  yes\*  no

Reason for ~~Shutdown~~ Malfunction:

SSM Plan Procedures Followed:  yes  no\*

- Air-Compressor System
- Blower
- High Gas Flow
- High Temperature
- LEL
- Low Gas Flow
- Low Temperature
- UV Scanner System
- Power Failure
- Scheduled Preventive Maintenance

If SSM Plan Procedure not followed, explain procedure used: \_\_\_\_\_

Change Flame Arrestor #2

\* If Emission Exceedence or SSM Procedures are not followed it must be reported to EPA/BAAQMD within 24 hours per SSM plan. (Report to EEC immediately and complete departure report)

Signature [Signature] Date 1/20/23

Are any comments, descriptions, other information, etc. continued on the back side?  yes  no



SSM PLAN REPORT FORM /  
FLARE STATION DAILY CHECKLIST  
City of Mountain View Flare Station

Date January 25<sup>th</sup>, 2023  
s m t w th f s

AM MONITORING

Name JASON R BEAN  
Arrival Time 6:40am Departure Time 6:50pm  
GEM# ENVISION#4 Manometer  yes  no

PM MONITORING

Name \_\_\_\_\_  
Arrival Time \_\_\_\_\_ Departure Time \_\_\_\_\_  
GEM# \_\_\_\_\_ Manometer \_\_\_\_\_ yes / no

LFG to Flares

| CH4 % | CO2 % | O2 % |
|-------|-------|------|
| 48.7  | 31.9  | 1.8  |

LFG to Flares

| CH4 % | CO2 % | O2 % |
|-------|-------|------|
|       |       |      |

| Flare Operation | Temp. | Vac.  | SCFM |
|-----------------|-------|-------|------|
| Flare #1        | 1617  | 2.14" | 106  |
| Flare #2        | 1631  | 1.53" | 202  |
| Flare #3        |       |       |      |

| Flare Operation | Temp. | Vac. | SCFM |
|-----------------|-------|------|------|
| Flare #1        |       |      |      |
| Flare #2        |       |      |      |
| Flare #3        |       |      |      |

| Blower Oper. | RPM  | Hours   |
|--------------|------|---------|
| Blower #1    |      |         |
| Blower #2    | 2100 | 64368.6 |
| Blower #3    |      |         |

| LFG at Inlets | 6A NE | Vista | F9 / B9 |
|---------------|-------|-------|---------|
| Vacuum        |       |       |         |
| SCFM          |       |       |         |

Air Compressor Hours: 11008.9  
Google SCFM: am: 17 pm: \_\_\_\_\_

Back Up Generator Running \_\_\_\_\_ yes /  no

Control Room Bypass \_\_\_\_\_ yes /  no

| LFG at Inlets | 6A NE  | Vista  | F9 / B9 |
|---------------|--------|--------|---------|
| CH4 %         | 50.8   | 47.6   | 47.1    |
| CO2 %         | 32.9   | 31.8   | 29.6    |
| O2 %          | 1.2    | 1.2    | 3.8     |
| Vacuum        | -42.7" | -42.0" | -42.6"  |
| SCFM          | 170    | 224    | 73      |
| Temperature   | 54     | 57     | 54      |

The facility's program logic controller automatically reacted diligently and expeditiously to shut down the flare station, closed the shutdown valve as programmed isolating all LFG in the piping system to avoid excess emissions, and notified the staff.  yes / no

The program logic controller or staff restarted the flare station and / or back-up generator in a diligent and expeditious manner to avoid excess emissions.  yes / no

Comments and/or Description of Malfunction and Affected Equipment: \_\_\_\_\_

Time of Shutdown: 12:35pm  
Time of Start-Up: 12:45pm  
Duration of Shutdown/Malfunction: 10 min

Reason for Shutdown/Malfunction: \_\_\_\_\_  
 Air-Compressor System    Blower    High Gas Flow  
 High Temperature    LEL    Low Gas Flow  
 Low Temperature    UV Scanner System  
 Power Failure    Scheduled Preventive Maintenance

Emission Exceedence: \_\_\_\_\_ yes\* /  no

SSM Plan Procedures Followed: \_\_\_\_\_  yes / no\*

If SSM Plan Procedure not followed, explain procedure used: \_\_\_\_\_

Flare station Source Test  
Rest Environmental / Switch Flares

\* If Emission Exceedence or SSM Procedures are not followed it must be reported to EPA/BAAQMD within 24 hours per SSM plan. (Report to EEC immediately and complete departure report)

Signature Jason R. Bean Date 1/25/23

Are any comments, descriptions, other information, etc. continued on the back side? \_\_\_\_\_ yes /  no

**SSM PLAN REPORT FORM /  
FLARE STATION DAILY CHECKLIST**  
City of Mountain View Flare Station

Date 1-28-23  
s m t w t h f s

**AM MONITORING**

**PM MONITORING**

Name LEON ROSARIO

Name \_\_\_\_\_

Arrival Time 12:40am Departure Time 12:57am

Arrival Time \_\_\_\_\_ Departure Time \_\_\_\_\_

GEM# EVV #4 Manometer  yes  no

GEM# \_\_\_\_\_ Manometer \_\_\_\_\_ yes / no

LFG to Flares

| CH4 %       | CO2 %       | O2 %       |
|-------------|-------------|------------|
| <u>49.1</u> | <u>30.2</u> | <u>1.6</u> |

LFG to Flares

| CH4 % | CO2 % | O2 % |
|-------|-------|------|
|       |       |      |

| Flare Operation | Temp.       | Vac.         | SCFM       |
|-----------------|-------------|--------------|------------|
| Flare #1        |             |              |            |
| Flare #2        |             |              |            |
| Flare #3        | <u>1635</u> | <u>1.06"</u> | <u>336</u> |

| Flare Operation | Temp. | Vac. | SCFM |
|-----------------|-------|------|------|
| Flare #1        |       |      |      |
| Flare #2        |       |      |      |
| Flare #3        |       |      |      |

| Blower Oper. | RPM         | Hours |
|--------------|-------------|-------|
| Blower #1    |             |       |
| Blower #2    | <u>2100</u> |       |
| Blower #3    |             |       |

| LFG at Inlets | 6A NE | Vista | F9 / B9 |
|---------------|-------|-------|---------|
| Vacuum        |       |       |         |
| SCFM          |       |       |         |

Air Compressor Hours: 11029.3

Back Up Generator Running yes /  no

Google SCFM: am: 23 pm: \_\_\_\_\_

Control Room Bypass yes /  no

| LFG at Inlets | 6A NE        | Vista        | F9 / B9      |
|---------------|--------------|--------------|--------------|
| CH4 %         | <u>50.2</u>  | <u>47.9</u>  | <u>46.2</u>  |
| CO2 %         | <u>35.6</u>  | <u>33.3</u>  | <u>30.5</u>  |
| O2 %          | <u>1.5</u>   | <u>1.1</u>   | <u>3.6</u>   |
| Vacuum        | <u>42.7"</u> | <u>41.7"</u> | <u>42.1"</u> |
| SCFM          | <u>148</u>   | <u>142</u>   | <u>60</u>    |
| Temperature   | <u>54</u>    | <u>56</u>    | <u>55</u>    |

The facility's program logic controller automatically reacted diligently and expeditiously to shut down the flare station, closed the shutdown valve as programmed isolating all LFG in the piping system to avoid excess emissions, and notified the staff.  yes / no

The program logic controller or staff restarted the flare station and / or back-up generator in a diligent and expeditious manner to avoid excess emissions.  yes / no

Comments and/or Description of Malfunction and Affected Equipment: \_\_\_\_\_

Time of Shutdown: 11:50 pm  
Time of Start-Up: 12:05 Am  
Duration of Shutdown Malfunction: 15 min

Emission Exceedence: yes\* /  no

- Reason for Shutdown Malfunction:
- Air-Compressor System     Blower     High Gas Flow
  - High Temperature     LEL     Low Gas Flow
  - Low Temperature     UV Scanner System
  - Power Failure     Scheduled Preventive Maintenance

SSM Plan Procedures Followed:  yes /  no\*

If SSM Plan Procedure not followed, explain procedure used: \_\_\_\_\_

\* If Emmission Exceedence or SSM Procedures are not followed it must be reported to EPA/BAAQMD within 24 hours per SSM plan. (Report to EEC immediately and complete departure report)

Signature \_\_\_\_\_ Date 1/28/23

Are any comments, descriptions, other information, etc. continued on the back side? yes /  no

**SSM PLAN REPORT FORM /  
FLARE STATION DAILY CHECKLIST**  
City of Mountain View Flare Station

Date January 31<sup>st</sup>, 2023  
s m o w th f s

**AM MONITORING**

Name Adrian Vega  
Arrival Time 6:40 AM Departure Time 6:50 AM  
GEM# Emission #4 Manometer  yes  no

**PM MONITORING**

Name \_\_\_\_\_  
Arrival Time \_\_\_\_\_ Departure Time \_\_\_\_\_  
GEM# \_\_\_\_\_ Manometer  yes  no

LFG to Flares

| CH4 %       | CO2 %       | O2 %       |
|-------------|-------------|------------|
| <u>49.0</u> | <u>34.3</u> | <u>1.9</u> |

LFG to Flares

| CH4 % | CO2 % | O2 % |
|-------|-------|------|
|       |       |      |

| Flare Operation | Temp.       | Vac.         | SCFM       |
|-----------------|-------------|--------------|------------|
| Flare #1        | /           | /            | /          |
| Flare #2        | /           | /            | /          |
| Flare #3        | <u>1627</u> | <u>1.17"</u> | <u>313</u> |

| Flare Operation | Temp. | Vac. | SCFM |
|-----------------|-------|------|------|
| Flare #1        |       |      |      |
| Flare #2        |       |      |      |
| Flare #3        |       |      |      |

| Blower Oper. | RPM         | Hours          |
|--------------|-------------|----------------|
| Blower #1    | /           | /              |
| Blower #2    | <u>2100</u> | <u>64512.1</u> |
| Blower #3    | /           | /              |

| LFG at Inlets | 6A NE | Vista | F9 / B9 |
|---------------|-------|-------|---------|
| Vacuum        |       |       |         |
| SCFM          |       |       |         |

Air Compressor Hours: 11049.6

Google SCFM: am: 0 pm: \_\_\_\_\_

Back Up Generator Running  yes  no

Control Room Bypass  yes  no

The facility's program logic controller automatically reacted diligently and expeditiously to shut down the flare station, closed the shutdown valve as programmed isolating all LFG in the piping system to avoid excess emissions, and notified the staff.

The program logic controller or staff restarted the flare station and / or back-up generator in a diligent and expeditious manner to avoid excess emissions.

Comments and/or Description of Malfunction and Affected Equipment: \_\_\_\_\_

| LFG at Inlets | 6A NE         | Vista         | F9 / B9       |
|---------------|---------------|---------------|---------------|
| CH4 %         | <u>50.4</u>   | <u>48.4</u>   | <u>46.3</u>   |
| CO2 %         | <u>34.1</u>   | <u>32.6</u>   | <u>30.5</u>   |
| O2 %          | <u>1.6</u>    | <u>1.1</u>    | <u>4.0</u>    |
| Vacuum        | <u>-43.2"</u> | <u>-42.5"</u> | <u>-43.2"</u> |
| SCFM          | <u>168</u>    | <u>210</u>    | <u>95</u>     |
| Temperature   | <u>53</u>     | <u>54</u>     | <u>53</u>     |

Time of Shutdown: 7:14 AM  
Time of Start-Up: 10:24 AM  
Duration of Shutdown/Malfunction: 3hrs 10min

Reason for Shutdown/Malfunction:  
 Air-Compressor System    Blower    High Gas Flow  
 High Temperature    LEL    Low Gas Flow  
 Low Temperature    UV Scanner System  
 Power Failure    Scheduled Preventive Maintenance

Calibrate flow meters (Telestar)

Signature [Signature] Date 1/31/23

Emission Exceedence:  yes\*  no

SSM Plan Procedures Followed:  yes  no\*

If SSM Plan Procedure not followed, explain procedure used: \_\_\_\_\_

\* If Emission Exceedence or SSM Procedures are not followed it must be reported to EPA/BAAQMD within 24 hours per SSM plan. (Report to EEC immediately and complete departure report)

Are any comments, descriptions, other information, etc. continued on the back side?  yes  no

SSM PLAN REPORT FORM /  
FLARE STATION DAILY CHECKLIST  
City of Mountain View Flare Station

Date February 6<sup>th</sup>, 2023  
s m t w th f s

AM MONITORING

Name JASON R BEAN  
Arrival Time 6:50 AM Departure Time 7:06 am  
GEM# EMULSION #4 Manometer  yes  no

PM MONITORING

Name \_\_\_\_\_  
Arrival Time \_\_\_\_\_ Departure Time \_\_\_\_\_  
GEM# \_\_\_\_\_ Manometer \_\_\_\_\_ yes / no

LFG to Flares

| CH4 % | CO2 % | O2 % |
|-------|-------|------|
| 48.6  | 33.3  | 1.9  |

LFG to Flares

| CH4 % | CO2 % | O2 % |
|-------|-------|------|
|       |       |      |

| Flare Operation | Temp. | Vac.  | SCFM |
|-----------------|-------|-------|------|
| Flare #1        | /     | /     | /    |
| Flare #2        | /     | /     | /    |
| Flare #3        | 1628  | 0.96" | 286  |

| Flare Operation | Temp. | Vac. | SCFM |
|-----------------|-------|------|------|
| Flare #1        |       |      |      |
| Flare #2        |       |      |      |
| Flare #3        |       |      |      |

| Blower Oper. | RPM  | Hours   |
|--------------|------|---------|
| Blower #1    | /    | /       |
| Blower #2    | 2100 | 14653.6 |
| Blower #3    | /    | /       |

| LFG at Inlets | 6A NE | Vista | F9 / B9 |
|---------------|-------|-------|---------|
| Vacuum        |       |       |         |
| SCFM          |       |       |         |

Air Compressor Hours: 11095.4  
Google SCFM: am: 21 pm: \_\_\_\_\_

Back Up Generator Running \_\_\_\_\_ yes /  no

Control Room Bypass \_\_\_\_\_ yes /  no

| LFG at Inlets | 6A NE | Vista  | F9 / B9 |
|---------------|-------|--------|---------|
| CH4 %         | 49.3  | 47.8   | 46.8    |
| CO2 %         | 33.6  | 33.4   | 30.9    |
| O2 %          | 1.7   | 1.3    | 3.7     |
| Vacuum        | -435" | -42.9" | -433"   |
| SCFM          | 164   | 220    | 78      |
| Temperature   | 54    | 56     | 54      |

The facility's program logic controller automatically reacted diligently and expeditiously to shut down the flare station, closed the shutdown valve as programmed isolating all LFG in the piping system to avoid excess emissions, and notified the staff.  yes / no

The program logic controller or staff restarted the flare station and / or back-up generator in a diligent and expeditious manner to avoid excess emissions.  yes / no

Comments and/or Description of Malfunction and Affected Equipment: \_\_\_\_\_

Time of Shutdown: 8:41 pm  
Time of Start-Up: 11:44 am  
Duration of Shutdown/Malfunction: 3hr 3min

- Reason for Shutdown/Malfunction:
- Air-Compressor System
  - Blower
  - High Gas Flow
  - High Temperature
  - LEL
  - Low Gas Flow
  - Low Temperature
  - UV Scanner System
  - Power Failure
  - Scheduled Preventive Maintenance

Emission Exceedence: \_\_\_\_\_ yes\* /  no

SSM Plan Procedures Followed: \_\_\_\_\_  yes /  no\*

If SSM Plan Procedure not followed, explain procedure used: \_\_\_\_\_

Change out valves for blowers

\* If Emission Exceedence or SSM Procedures are not followed it must be reported to EPA/BAAQMD within 24 hours per SSM plan. (Report to EEC immediately and complete departure report)

Are any comments, descriptions, other information, etc. continued on the back side? \_\_\_\_\_ yes /  no

Signature Jason R Bean Date 2/6/23

SSM PLAN REPORT FORM /  
 FLARE STATION DAILY CHECKLIST  
 City of Mountain View Flare Station

Date February 11<sup>th</sup>, 2023  
 s m t w th f s

AM MONITORING

Name Jason R Beam

Arrival Time 7:00pm Departure Time \_\_\_\_\_

GEM# \_\_\_\_\_ Manometer  yes  no

LFG to Flares

| CH4 % | CO2 % | O2 % |
|-------|-------|------|
|       |       |      |

| Flare Operation | Temp. | Vac. | SCFM |
|-----------------|-------|------|------|
| Flare #1        |       |      |      |
| Flare #2        |       |      |      |
| Flare #3        |       |      |      |

| Blower Oper. | RPM | Hours |
|--------------|-----|-------|
| Blower #1    |     |       |
| Blower #2    |     |       |
| Blower #3    |     |       |

Air Compressor Hours: \_\_\_\_\_

Google SCFM: am: \_\_\_\_\_ pm: \_\_\_\_\_

| LFG at Inlets | 6A NE | Vista | F9 / B9 |
|---------------|-------|-------|---------|
| CH4 %         |       |       |         |
| CO2 %         |       |       |         |
| O2 %          |       |       |         |
| Vacuum        |       |       |         |
| SCFM          |       |       |         |
| Temperature   |       |       |         |

Time of Shutdown: 7:20 AM  
 Time of Start-Up: 8:13 AM  
 Duration of Shutdown Malfunction: 53 min

Reason for Shutdown Malfunction:

- Air-Compressor System
- Blower
- High Gas Flow
- High Temperature
- LEL
- Low Gas Flow
- Low Temperature
- UV Scanner System
- Power Failure
- Scheduled Preventive Maintenance

Change 10" valve @ Blower #1

PM MONITORING

Name \_\_\_\_\_

Arrival Time \_\_\_\_\_ Departure Time \_\_\_\_\_

GEM# \_\_\_\_\_ Manometer  yes /  no

LFG to Flares

| CH4 % | CO2 % | O2 % |
|-------|-------|------|
|       |       |      |

| Flare Operation | Temp. | Vac. | SCFM |
|-----------------|-------|------|------|
| Flare #1        |       |      |      |
| Flare #2        |       |      |      |
| Flare #3        |       |      |      |

| LFG at Inlets | 6A NE | Vista | F9 / B9 |
|---------------|-------|-------|---------|
| Vacuum        |       |       |         |
| SCFM          |       |       |         |

Back Up Generator Running  yes /  no\*

Control Room Bypass  yes /  no

The facility's program logic controller automatically reacted diligently and expeditiously to shut down the flare station, closed the shutdown valve as programmed isolating all LFG in the piping system to avoid excess emissions, and notified the staff.  yes /  no

The program logic controller or staff restarted the flare station and / or back-up generator in a diligent and expeditious manner to avoid excess emissions.  yes /  no

Comments and/or Description of Malfunction and Affected Equipment:

Emission Exceedence:  yes\* /  no

SSM Plan Procedures Followed:  yes /  no\*

If SSM Plan Procedure not followed, explain procedure used:

\* If Emmission Exceedence or SSM Procedures are not followed it must be reported to EPA/BAAQMD within 24 hours per SSM plan. (Report to EEC immediately and complete departure report)

Are any comments, descriptions, other information, etc. continued on the back side?  yes /  no

Jason R Beam 2/11/23  
 Signature Date

SSM PLAN REPORT FORM /  
FLARE STATION DAILY CHECKLIST  
City of Mountain View Flare Station

Date February 14<sup>th</sup>, 2023  
s m t w t h f s

AM MONITORING

Name JASON R. BEAN  
Arrival Time 6:39 AM Departure Time 6:52 AM  
GEM# ENVISION #2 Manometer  yes  no

PM MONITORING

Name \_\_\_\_\_  
Arrival Time \_\_\_\_\_ Departure Time \_\_\_\_\_  
GEM# \_\_\_\_\_ Manometer \_\_\_\_\_ yes / no

LFG to Flares

| CH4 % | CO2 % | O2 % |
|-------|-------|------|
| 47.8  | 32.2  | 2.5  |

LFG to Flares

| CH4 % | CO2 % | O2 % |
|-------|-------|------|
|       |       |      |

| Flare Operation | Temp. | Vac.  | SCFM |
|-----------------|-------|-------|------|
| Flare #1        | 1626  | 1.24" | 77   |
| Flare #2        |       |       |      |
| Flare #3        | 1621  | 0.86" | 281  |

| Flare Operation | Temp. | Vac. | SCFM |
|-----------------|-------|------|------|
| Flare #1        |       |      |      |
| Flare #2        |       |      |      |
| Flare #3        |       |      |      |

| Blower Oper. | RPM  | Hours   |
|--------------|------|---------|
| Blower #1    |      |         |
| Blower #2    | 2100 | 61655.3 |
| Blower #3    |      |         |

| LFG at Inlets | 6A NE | Vista | F9 / B9 |
|---------------|-------|-------|---------|
| Vacuum        |       |       |         |
| SCFM          |       |       |         |

Air Compressor Hours: 11146.6  
Google SCFM: am: 0 pm: \_\_\_\_\_

Back Up Generator Running \_\_\_\_\_ yes /  no

Control Room Bypass \_\_\_\_\_ yes /  no

| LFG at Inlets | 6A NE  | Vista  | F9 / B9 |
|---------------|--------|--------|---------|
| CH4 %         | 47.0   | 50.5   | 45.7    |
| CO2 %         | 32.4   | 33.3   | 30.5    |
| O2 %          | 2.5    | 1.1    | 4.1     |
| Vacuum        | -43.2" | -42.5" | -43.1"  |
| SCFM          | 185    | 209    | 119     |
| Temperature   | 55     | 56     | 55      |

The facility's program logic controller automatically reacted diligently and expeditiously to shut down the flare station, closed the shutdown valve as programmed isolating all LFG in the piping system to avoid excess emissions, and notified the staff.

The program logic controller or staff restarted the flare station and / or back-up generator in a diligent and expeditious manner to avoid excess emissions.

Comments and/or Description of Malfunction and Affected Equipment: \_\_\_\_\_

Time of Shutdown: 8:40 AM  
Time of Start-Up: 9:06 AM  
Duration of Shutdown/Malfunction: 26 min

Reason for Shutdown/Malfunction:  
 Air-Compressor System  Blower  High Gas Flow  
 High Temperature  LEL  Low Gas Flow  
 Low Temperature  UV Scanner System  
 Power Failure  Scheduled Preventive Maintenance

Emission Exceedence: \_\_\_\_\_ yes\* /  no

SSM Plan Procedures Followed: \_\_\_\_\_  yes /  no\*

If SSM Plan Procedure **not** followed, explain procedure used: \_\_\_\_\_

Change actuator valve on Flare #2 TelStar assist.

\* If Emission Exceedence or SSM Procedures are **not** followed it must be reported to EPA/BAAQMD within 24 hours per SSM plan. (Report to EEC immediately and complete departure report)

Are any comments, descriptions, other information, etc. continued on the back side? \_\_\_\_\_ yes /  no

Signature Jason R. Bean Date \_\_\_\_\_

**SSM PLAN REPORT FORM /  
FLARE STATION DAILY CHECKLIST**  
City of Mountain View Flare Station

Date March 21<sup>st</sup>, 2023  
s m W th f s

**AM MONITORING**

Name Adrian Vega  
Arrival Time 7:15 AM Departure Time 7:30 AM  
GEM# Emission #2 Manometer  yes no

LFG to Flares

| CH4 % | CO2 % | O2 % |
|-------|-------|------|
| 49.9  | 33.1  | 2.8  |

| Flare Operation | Temp. | Vac.  | SCFM |
|-----------------|-------|-------|------|
| Flare #1        | 1631  | 3.79" | 136  |
| Flare #2        | 1633  | 1.20" | 173  |
| Flare #3        | /     | /     | /    |

| Blower Oper. | RPM  | Hours  |
|--------------|------|--------|
| Blower #1    | /    | /      |
| Blower #2    | 2100 | 6544.7 |
| Blower #3    | /    | /      |

Air Compressor Hours: 11359.8

Google SCFM: am: 0 pm:

| LFG at Inlets | 6A NE  | Vista  | F9 / B9 |
|---------------|--------|--------|---------|
| CH4 %         | 50.9   | 56.5   | 45.1    |
| CO2 %         | 35.0   | 36.5   | 29.3    |
| O2 %          | 2.5    | 0.2    | 4.9     |
| Vacuum        | -39.4" | -38.8" | -39.1"  |
| SCFM          | 172    | 127    | 54      |
| Temperature   | 57     | 58     | 57      |

Time of Shutdown: 1:15 pm  
Time of Start-Up: 1:23 pm  
Duration of Shutdown/Malfunction: 8 min

Reason for Shutdown/Malfunction:

- Air-Compressor System
- Blower
- High Gas Flow
- High Temperature
- LEL
- Low Gas Flow
- Low Temperature
- UV Scanner System
- Power Failure
- Scheduled Preventive Maintenance

Power Failure due to tree striking power line.

Signature [Signature] Date 3/21/23

**PM MONITORING**

Name \_\_\_\_\_  
Arrival Time \_\_\_\_\_ Departure Time \_\_\_\_\_  
GEM# \_\_\_\_\_ Manometer \_\_\_\_\_ yes / no

LFG to Flares

| CH4 % | CO2 % | O2 % |
|-------|-------|------|
|       |       |      |

| Flare Operation | Temp. | Vac. | SCFM |
|-----------------|-------|------|------|
| Flare #1        |       |      |      |
| Flare #2        |       |      |      |
| Flare #3        |       |      |      |

| LFG at Inlets | 6A NE | Vista | F9 / B9 |
|---------------|-------|-------|---------|
| Vacuum        |       |       |         |
| SCFM          |       |       |         |

Back Up Generator Running  yes / no

Control Room Bypass  yes /  no

The facility's program logic controller automatically reacted diligently and expeditiously to shut down the flare station, closed the shutdown valve as programmed isolating all LFG in the piping system to avoid excess emissions, and notified the staff.  yes / no

The program logic controller or staff restarted the flare station and / or back-up generator in a diligent and expeditious manner to avoid excess emissions.  yes / no

Comments and/or Description of Malfunction and Affected Equipment: \_\_\_\_\_

Emission Exceedence: \_\_\_\_\_ yes\* /  no

SSM Plan Procedures Followed:  yes / no\*

If SSM Plan Procedure not followed, explain procedure used: \_\_\_\_\_

\* If Emission Exceedence or SSM Procedures are not followed it must be reported to EPA/BAAQMD within 24 hours per SSM plan. (Report to EEC immediately and complete departure report)

Are any comments, descriptions, other information, etc. continued on the back side?  yes /  no

SSM PLAN REPORT FORM /  
FLARE STATION DAILY CHECKLIST  
City of Mountain View Flare Station

Date March 28<sup>th</sup>, 2023  
s m W th f s

AM MONITORING

Name Adrian Vega  
Arrival Time 7:07 AM Departure Time 7:22 AM  
GEM# Emission #2 Manometer  yes  no

LFG to Flares

| CH4 %       | CO2 %       | O2 %       |
|-------------|-------------|------------|
| <u>49.7</u> | <u>32.3</u> | <u>2.6</u> |

| Flare Operation | Temp.       | Vac.         | SCFM       |
|-----------------|-------------|--------------|------------|
| Flare #1        | <u>1624</u> | <u>1.80"</u> | <u>96</u>  |
| Flare #2        | <u>1615</u> | <u>1.58"</u> | <u>205</u> |
| Flare #3        | /           | /            | /          |

| Blower Oper. | RPM         | Hours          |
|--------------|-------------|----------------|
| Blower #1    | /           | /              |
| Blower #2    | <u>2100</u> | <u>15506.9</u> |
| Blower #3    | /           | /              |

Air Compressor Hours: 11429.9

Google SCFM: am: 15 pm:

| LFG at Inlets | 6A NE         | Vista         | F9 / B9       |
|---------------|---------------|---------------|---------------|
| CH4 %         | <u>47.5</u>   | <u>55.2</u>   | <u>45.9</u>   |
| CO2 %         | <u>33.1</u>   | <u>34.7</u>   | <u>29.4</u>   |
| O2 %          | <u>3.2</u>    | <u>0.4</u>    | <u>4.5</u>    |
| Vacuum        | <u>-41.4"</u> | <u>-40.9"</u> | <u>-41.3"</u> |
| SCFM          | <u>178</u>    | <u>129</u>    | <u>46</u>     |
| Temperature   | <u>56</u>     | <u>58</u>     | <u>57</u>     |

Time of Shutdown: 8:24 am

Time of Start-Up: 9:37 am

Duration of Shutdown/Malfunction: 1 hr 13 min

Reason for Shutdown/Malfunction:

- Air-Compressor System
- Blower
- High Gas Flow
- High Temperature
- LEL
- Low Gas Flow
- Low Temperature
- UV Scanner System
- Power Failure
- Scheduled Preventive Maintenance

Telstar testing loop inlet gas flows.

PM MONITORING

Name \_\_\_\_\_  
Arrival Time \_\_\_\_\_ Departure Time \_\_\_\_\_  
GEM# \_\_\_\_\_ Manometer  yes  no

LFG to Flares

| CH4 % | CO2 % | O2 % |
|-------|-------|------|
|       |       |      |

| Flare Operation | Temp. | Vac. | SCFM |
|-----------------|-------|------|------|
| Flare #1        |       |      |      |
| Flare #2        |       |      |      |
| Flare #3        |       |      |      |

| LFG at Inlets | 6A NE | Vista | F9 / B9 |
|---------------|-------|-------|---------|
| Vacuum        |       |       |         |
| SCFM          |       |       |         |

Back Up Generator Running  yes  no

Control Room Bypass  yes  no

The facility's program logic controller  yes  no

automatically reacted diligently and expeditiously to shut down the flare station, closed the shutdown valve as programmed isolating all LFG in the piping system to avoid excess emissions, and notified the staff.

The program logic controller or staff restarted  yes  no

the flare station and / or back-up generator in a diligent and expeditious manner to avoid excess emissions.

Comments and/or Description of Malfunction and Affected Equipment: \_\_\_\_\_

Emission Exceedence:  yes\*  no

SSM Plan Procedures Followed:  yes  no\*

If SSM Plan Procedure not followed, explain procedure used: \_\_\_\_\_

\* If Emission Exceedence or SSM Procedures are not followed it must be reported to EPA/BAAQMD within 24 hours per SSM plan. (Report to EEC immediately and complete departure report)

Are any comments, descriptions, other information, etc. continued on the back side?  yes  no

Signature [Signature] Date 3/28/2023



**SSM PLAN REPORT FORM /  
FLARE STATION DAILY CHECKLIST**  
City of Mountain View Flare Station

Date April 1<sup>st</sup>, 2023  
m t w t h f s s

**AM MONITORING**

**PM MONITORING**

Name JASON R. BEAN

Name \_\_\_\_\_

Arrival Time 12:30pm Departure Time \_\_\_\_\_

Arrival Time \_\_\_\_\_ Departure Time \_\_\_\_\_

GEM# \_\_\_\_\_ Manometer  yes  no

GEM# \_\_\_\_\_ Manometer  yes /  no

LFG to Flares

| CH4 % | CO2 % | O2 % |
|-------|-------|------|
|       |       |      |

LFG to Flares

| CH4 % | CO2 % | O2 % |
|-------|-------|------|
|       |       |      |

| Flare Operation | Temp. | Vac. | SCFM |
|-----------------|-------|------|------|
| Flare #1        |       |      |      |
| Flare #2        |       |      |      |
| Flare #3        |       |      |      |

| Flare Operation | Temp. | Vac. | SCFM |
|-----------------|-------|------|------|
| Flare #1        |       |      |      |
| Flare #2        |       |      |      |
| Flare #3        |       |      |      |

| Blower Oper. | RPM | Hours |
|--------------|-----|-------|
| Blower #1    |     |       |
| Blower #2    |     |       |
| Blower #3    |     |       |

| LFG at Inlets | 6A NE | Vista | F9 / B9 |
|---------------|-------|-------|---------|
| Vacuum        |       |       |         |
| SCFM          |       |       |         |

Air Compressor Hours: \_\_\_\_\_

Back Up Generator Running  yes /  no

Google SCFM: am: \_\_\_\_\_ pm: \_\_\_\_\_

Control Room Bypass  yes /  no

| LFG at Inlets | 6A NE | Vista | F9 / B9 |
|---------------|-------|-------|---------|
| CH4 %         |       |       |         |
| CO2 %         |       |       |         |
| O2 %          |       |       |         |
| Vacuum        |       |       |         |
| SCFM          |       |       |         |
| Temperature   |       |       |         |

The facility's program logic controller automatically reacted diligently and expeditiously to shut down the flare station, closed the shutdown valve as programmed isolating all LFG in the piping system to avoid excess emissions, and notified the staff.  yes /  no

The program logic controller or staff restarted the flare station and / or back-up generator in a diligent and expeditious manner to avoid excess emissions.  yes /  no

Comments and/or Description of Malfunction and Affected Equipment: \_\_\_\_\_

Time of Shutdown: 1:20pm  
Time of Start-Up: 2:42pm  
Duration of ~~Shutdown~~ Malfunction: 1hr 22min

Reason for ~~Shutdown~~ Malfunction: \_\_\_\_\_

- Air-Compressor System
- Blower
- High Gas Flow
- High Temperature
- LEL
- Low Gas Flow
- Low Temperature
- UV Scanner System
- Power Failure
- Scheduled Preventive Maintenance

Emission Exceedence:  yes\* /  no

SSM Plan Procedures Followed:  yes /  no\*

If SSM Plan Procedure not followed, explain procedure used: \_\_\_\_\_

Header Sump Blockage  
CRS-6A 6A NE / Crittenden

\* If Emission Exceedence or SSM Procedures are not followed it must be reported to EPA/BAAQMD within 24 hours per SSM plan. (Report to EEC immediately and complete departure report)

Signature JASON R. BEAN Date 4/1/23

Are any comments, descriptions, other information, etc. continued on the back side?  yes /  no

SSM PLAN REPORT FORM /  
 FLARE STATION DAILY CHECKLIST  
 City of Mountain View Flare Station

Date 4-6-23  
 s m t w th f s

AM MONITORING

Name LEON ROSARIO  
 Arrival Time 8:50am Departure Time 9am  
 GEM# CNV #2 Manometer  yes  no

PM MONITORING

Name \_\_\_\_\_  
 Arrival Time \_\_\_\_\_ Departure Time \_\_\_\_\_  
 GEM# \_\_\_\_\_ Manometer \_\_\_\_\_ yes / no

LFG to Flares

| CH4 % | CO2 % | O2 % |
|-------|-------|------|
| 50.1  | 32.1  | 2.5  |

LFG to Flares

| CH4 % | CO2 % | O2 % |
|-------|-------|------|
|       |       |      |

| Flare Operation | Temp. | Vac.  | SCFM |
|-----------------|-------|-------|------|
| Flare #1        | 1619  | 2.25" | 112  |
| Flare #2        | 1636  | 2.17" | 226  |
| Flare #3        |       |       |      |

| Flare Operation | Temp. | Vac. | SCFM |
|-----------------|-------|------|------|
| Flare #1        |       |      |      |
| Flare #2        |       |      |      |
| Flare #3        |       |      |      |

| Blower Oper. | RPM  | Hours  |
|--------------|------|--------|
| Blower #1    |      |        |
| Blower #2    |      |        |
| Blower #3    | 2100 | 3117.6 |

| LFG at Inlets | 6A NE | Vista | F9 / B9 |
|---------------|-------|-------|---------|
| Vacuum        |       |       |         |
| SCFM          |       |       |         |

Air Compressor Hours: 11495.4  
 Google SCFM: am: 18 pm: \_\_\_\_\_

Back Up Generator Running  yes  no

Control Room Bypass  yes  no

| LFG at Inlets | 6A NE  | Vista  | F9 / B9 |
|---------------|--------|--------|---------|
| CH4 %         | 51.2   | 55.6   | 45.8    |
| CO2 %         | 43.7   | 39.7   | 28.3    |
| O2 %          | 1.5    | 0.6    | 4.7     |
| Vacuum        | -41.3" | -41.1" | -41.1"  |
| SCFM          | 232    | 207    | 98      |
| Temperature   | 57     | 58     | 58      |

The facility's program logic controller automatically reacted diligently and expeditiously to shut down the flare station, closed the shutdown valve as programmed isolating all LFG in the piping system to avoid excess emissions, and notified the staff.

The program logic controller or staff restarted the flare station and / or back-up generator in a diligent and expeditious manner to avoid excess emissions.  yes  no

Comments and/or Description of Malfunction and Affected Equipment:

Time of Shutdown: 1:50PM 4/6/23  
 Time of Start-Up: 2:20PM 4/6/23  
 Duration of Shutdown/Malfunction: 30Min

Reason for Shutdown/Malfunction: Low Gas Flow

Air-Compressor System     Blower     High Gas Flow  
 High Temperature     LEL     Low Gas Flow  
 Low Temperature     UV Scanner System  
 Power Failure     Scheduled Preventive Maintenance

Emission Exceedence:  yes\*  no

SSM Plan Procedures Followed:  yes  no\*

If SSM Plan Procedure not followed, explain procedure used:

Switched 6ANE gas flow to F9.

\* If Emission Exceedence or SSM Procedures are not followed it must be reported to EPA/BAAQMD within 24 hours per SSM plan. (Report to EEC immediately and complete departure report)

Are any comments, descriptions, other information, etc. continued on the back side?  yes  no

Signature [Signature] Date 4/6/23

SSM PLAN REPORT FORM /  
FLARE STATION DAILY CHECKLIST  
City of Mountain View Flare Station

Date April 10<sup>th</sup> 2023  
s m t w t h f s

AM MONITORING

PM MONITORING

Name Jason R. Bean  
Arrival Time 6:15 PM Departure Time 6:35 AM  
GEM EMISSION #2 Manometer  yes  no

Name \_\_\_\_\_  
Arrival Time \_\_\_\_\_ Departure Time \_\_\_\_\_  
GEM# \_\_\_\_\_ Manometer yes / no

LFG to Flares

| CH4 % | CO2 % | O2 % |
|-------|-------|------|
| 49.0  | 31.2  | 3.2  |

LFG to Flares

| CH4 % | CO2 % | O2 % |
|-------|-------|------|
|       |       |      |

| Flare Operation | Temp. | Vac.  | SCFM |
|-----------------|-------|-------|------|
| Flare #1        | 1615  | 7.12" | 192  |
| Flare #2        |       |       |      |
| Flare #3        |       |       |      |

| Flare Operation | Temp. | Vac. | SCFM |
|-----------------|-------|------|------|
| Flare #1        |       |      |      |
| Flare #2        |       |      |      |
| Flare #3        |       |      |      |

| Blower Oper. | RPM  | Hours  |
|--------------|------|--------|
| Blower #1    |      |        |
| Blower #2    |      |        |
| Blower #3    | 2100 | 312707 |

| LFG at Inlets | 6A NE | Vista | F9 / B9 |
|---------------|-------|-------|---------|
| Vacuum        |       |       |         |
| SCFM          |       |       |         |

Air Compressor Hours: 11518.6  
Google SCFM: am: 14 pm: \_\_\_\_\_

Back Up Generator Running yes /  no  
Control Room Bypass yes /  no  
The facility's program logic controller  yes / no

| LFG at Inlets | 6A NE  | Vista  | F9 / B9 |
|---------------|--------|--------|---------|
| CH4 %         | 17.3   | 55.1   | 51.5    |
| CO2 %         | 10.0   | 34.5   | 33.5    |
| O2 %          | 14.8   | 0.8    | 2.3     |
| Vacuum        | -36.1" | -36.5" | -36.2"  |
| SCFM          | 12     | 111    | 118     |
| Temperature   | 55     | 59     | 55      |

The facility's program logic controller automatically reacted diligently and expeditiously to shut down the flare station, closed the shutdown valve as programmed isolating all LFG in the piping system to avoid excess emissions, and notified the staff.  
The program logic controller or staff restarted the flare station and / or back-up generator in a diligent and expeditious manner to avoid excess emissions.  yes / no

Comments and/or Description of Malfunction and Affected Equipment: \_\_\_\_\_

Time of Shutdown: 7:21 AM  
Time of Start-Up: 9:36 AM  
Duration of Shutdown/Malfunction: 2 hrs 35 min

- Reason for Shutdown/Malfunction: \_\_\_\_\_
- Air-Compressor System
  - Blower
  - High Gas Flow
  - High Temperature
  - LEL
  - Low Gas Flow
  - Low Temperature
  - UV Scanner System
  - Power Failure
  - Scheduled Preventive Maintenance

Emission Exceedence: yes\* /  no  
SSM Plan Procedures Followed:  yes  no\*  
If SSM Plan Procedure not followed, explain procedure used: \_\_\_\_\_

Cleaned Purple peepers and repaired scmp.

\* If Emission Exceedence or SSM Procedures are not followed it must be reported to EPA/BAAQMD within 24 hours per SSM plan. (Report to EEC immediately and complete departure report)

Signature Jason R. Bean Date 4/10/23

Are any comments, descriptions, other information, etc. continued on the back side? yes /  no

SSM PLAN REPORT FORM /  
 FLARE STATION DAILY CHECKLIST  
 City of Mountain View Flare Station

Date May 13<sup>th</sup>, 2023  
 s n t w th f s

AM MONITORING

PM MONITORING

Name Jason R Bean  
 Arrival Time 3:17pm Departure Time \_\_\_\_\_  
 GEM# \_\_\_\_\_ Manometer yes no

Name \_\_\_\_\_  
 Arrival Time \_\_\_\_\_ Departure Time \_\_\_\_\_  
 GEM# \_\_\_\_\_ Manometer yes / no

LFG to Flares

| CH4 % | CO2 % | O2 % |
|-------|-------|------|
|       |       |      |

LFG to Flares

| CH4 % | CO2 % | O2 % |
|-------|-------|------|
|       |       |      |

| Flare Operation | Temp. | Vac. | SCFM |
|-----------------|-------|------|------|
| Flare #1        |       |      |      |
| Flare #2        |       |      |      |
| Flare #3        |       |      |      |

| Flare Operation | Temp. | Vac. | SCFM |
|-----------------|-------|------|------|
| Flare #1        |       |      |      |
| Flare #2        |       |      |      |
| Flare #3        |       |      |      |

| Blower Oper. | RPM | Hours |
|--------------|-----|-------|
| Blower #1    |     |       |
| Blower #2    |     |       |
| Blower #3    |     |       |

| LFG at Inlets | 6A NE | Vista | F9 / B9 |
|---------------|-------|-------|---------|
| Vacuum        |       |       |         |
| SCFM          |       |       |         |

Air Compressor Hours: \_\_\_\_\_  
 Google SCFM: am: \_\_\_\_\_ pm: \_\_\_\_\_

Back Up Generator Running yes / no  
 Control Room Bypass yes / no

| LFG at Inlets | 6A NE | Vista | F9 / B9 |
|---------------|-------|-------|---------|
| CH4 %         |       |       |         |
| CO2 %         |       |       |         |
| O2 %          |       |       |         |
| Vacuum        |       |       |         |
| SCFM          |       |       |         |
| Temperature   |       |       |         |

The facility's program logic controller automatically reacted diligently and expeditiously to shut down the flare station, closed the shutdown valve as programmed, isolating all LFG in the piping system to avoid excess emissions, and notified the staff.

The program logic controller or staff restarted the flare station and / or back-up generator in a diligent and expeditious manner to avoid excess emissions. yes / no

Comments and/or Description of Malfunction and Affected Equipment: \_\_\_\_\_

Time of Shutdown: 2:18 pm  
 Time of Start-Up: 5:29 pm  
 Duration of Shutdown/Malfunction: 1hr 11min

Reason for Shutdown/Malfunction:  
 Air-Compressor System    Blower    High Gas Flow  
 High Temperature    LEL    Low Gas Flow  
 Low Temperature    UV Scanner System  
 Power Failure    Scheduled Preventive Maintenance

Emission Exceedence: yes\* / no  
 SSM Plan Procedures Followed: yes / no\*  
 If SSM Plan Procedure not followed, explain procedure used: \_\_\_\_\_

\* If Emission Exceedence or SSM Procedures are not followed it must be reported to EPA/BAAQMD within 24 hours per SSM plan. (Report to EEC immediately and complete departure report)

Signature Jason R Bean Date 5/13/23

Are any comments, descriptions, other information, etc. continued on the back side? yes / no

SSM PLAN REPORT FORM /  
 FLARE STATION DAILY CHECKLIST  
 City of Mountain View Flare Station

Date 6-4-23  
 (S) m t w th f s

AM MONITORING

PM MONITORING

Name LEON ROSARIO

Name \_\_\_\_\_

Arrival Time \_\_\_\_\_ Departure Time \_\_\_\_\_

Arrival Time \_\_\_\_\_ Departure Time \_\_\_\_\_

GEM# \_\_\_\_\_ Manometer yes no

GEM# \_\_\_\_\_ Manometer yes / no

LFG to Flares

| CH4 % | CO2 % | O2 % |
|-------|-------|------|
|       |       |      |

LFG to Flares

| CH4 % | CO2 % | O2 % |
|-------|-------|------|
|       |       |      |

| Flare Operation | Temp. | Vac. | SCFM |
|-----------------|-------|------|------|
| Flare #1        |       |      |      |
| Flare #2        |       |      |      |
| Flare #3        |       |      |      |

| Flare Operation | Temp. | Vac. | SCFM |
|-----------------|-------|------|------|
| Flare #1        |       |      |      |
| Flare #2        |       |      |      |
| Flare #3        |       |      |      |

| Blower Oper. | RPM | Hours |
|--------------|-----|-------|
| Blower #1    |     |       |
| Blower #2    |     |       |
| Blower #3    |     |       |

| LFG at Inlets | 6A NE | Vista | F9 / B9 |
|---------------|-------|-------|---------|
| Vacuum        |       |       |         |
| SCFM          |       |       |         |

Air Compressor Hours: \_\_\_\_\_

Back Up Generator Running yes / no

Google SCFM: am: \_\_\_\_\_ pm: \_\_\_\_\_

Control Room Bypass yes / no

| LFG at Inlets | 6A NE | Vista | F9 / B9 |
|---------------|-------|-------|---------|
| CH4 %         |       |       |         |
| CO2 %         |       |       |         |
| O2 %          |       |       |         |
| Vacuum        |       |       |         |
| SCFM          |       |       |         |
| Temperature   |       |       |         |

The facility's program logic controller automatically reacted diligently and expeditiously to shut down the flare station, closed the shutdown valve as programmed isolating all LFG in the piping system to avoid excess emissions, and notified the staff. yes / no

The program logic controller or staff restarted the flare station and / or back-up generator in a diligent and expeditious manner to avoid excess emissions. yes / no

Comments and/or Description of Malfunction and Affected Equipment: \_\_\_\_\_

Time of Shutdown: 7:10 pm  
 Time of Start-Up: 7:19 pm  
 Duration of Shutdown/Malfunction: 9 min

- Reason for Shutdown/Malfunction:
- Air-Compressor System
  - Blower
  - High Gas Flow
  - High Temperature
  - LEL
  - Low Gas Flow
  - Low Temperature
  - UV Scanner System
  - Power Failure
  - Scheduled Preventive Maintenance

Emission Exceedence: yes\* / no

SSM Plan Procedures Followed: yes no\*

If SSM Plan Procedure not followed, explain procedure used: \_\_\_\_\_

\* If Emission Exceedence or SSM Procedures are not followed it must be reported to EPA/BAAQMD within 24 hours per SSM plan. (Report to EEC immediately and complete departure report)

Are any comments, descriptions, other information, etc. continued on the back side? yes / no

[Signature] 6/4/23  
 Signature Date

SSM PLAN REPORT FORM /  
FLARE STATION DAILY CHECKLIST  
City of Mountain View Flare Station

Date JUNE 13<sup>th</sup>, 2023  
s m t w t h f s

AM MONITORING

PM MONITORING

Name JASON R. BEAN

Name \_\_\_\_\_

Arrival Time 7:22 AM Departure Time 7:44 PM

Arrival Time \_\_\_\_\_ Departure Time \_\_\_\_\_

GEM# EMISSION #2 Manometer  yes  no

GEM# \_\_\_\_\_ Manometer  yes /  no

LFG to Flares

| CH4 %       | CO2 %       | O2 %       |
|-------------|-------------|------------|
| <u>49.8</u> | <u>33.0</u> | <u>2.1</u> |

LFG to Flares

| CH4 % | CO2 % | O2 % |
|-------|-------|------|
|       |       |      |

| Flare Operation | Temp.       | Vac.         | SCFM       |
|-----------------|-------------|--------------|------------|
| Flare #1        | <u>1615</u> | <u>1.96"</u> | <u>86</u>  |
| Flare #2        | /           | /            | /          |
| Flare #3        | <u>1619</u> | <u>1.61"</u> | <u>302</u> |

| Flare Operation | Temp. | Vac. | SCFM |
|-----------------|-------|------|------|
| Flare #1        |       |      |      |
| Flare #2        |       |      |      |
| Flare #3        |       |      |      |

| Blower Oper. | RPM         | Hours          |
|--------------|-------------|----------------|
| Blower #1    | /           | /              |
| Blower #2    | <u>2200</u> | <u>16507.4</u> |
| Blower #3    | /           | /              |

| LFG at Inlets | 6A NE | Vista | F9 / B9 |
|---------------|-------|-------|---------|
| Vacuum        |       |       |         |
| SCFM          |       |       |         |

Air Compressor Hours: 11961.5

Back Up Generator Running  yes /  no

Google SCFM: am: 6 pm: \_\_\_\_\_

Control Room Bypass  yes /  no

| LFG at Inlets | 6A NE         | Vista         | F9 / B9       |
|---------------|---------------|---------------|---------------|
| CH4 %         | <u>49.2</u>   | <u>55.1</u>   | <u>39.8</u>   |
| CO2 %         | <u>33.4</u>   | <u>34.8</u>   | <u>27.9</u>   |
| O2 %          | <u>2.3</u>    | <u>0.7</u>    | <u>4.8</u>    |
| Vacuum        | <u>-45.3"</u> | <u>-44.5"</u> | <u>-45.2"</u> |
| SCFM          | <u>181</u>    | <u>164</u>    | <u>88</u>     |
| Temperature   | <u>71</u>     | <u>71</u>     | <u>68</u>     |

The facility's program logic controller automatically reacted diligently and expeditiously to shut down the flare station, closed the shutdown valve as programmed isolating all LFG in the piping system to avoid excess emissions, and notified the staff.  yes /  no

The program logic controller or staff restarted the flare station and / or back-up generator in a diligent and expeditious manner to avoid excess emissions.  yes /  no

Comments and/or Description of Malfunction and Affected Equipment: \_\_\_\_\_

Time of Shutdown: 7:23 AM  
Time of Start-Up: 7:35 AM  
Duration of Shutdown/Malfunction: 12 min

- Reason for Shutdown/Malfunction:
- Air-Compressor System
  - Blower
  - High Gas Flow
  - High Temperature
  - LEL
  - Low Gas Flow
  - Low Temperature
  - UV Scanner System
  - Power Failure
  - Scheduled Preventive Maintenance

Emission Exceedence:  yes\* /  no

SSM Plan Procedures Followed:  yes /  no\*

If SSM Plan Procedure not followed, explain procedure used: \_\_\_\_\_

Change from Blower #3 to Blower #2

\* If Emission Exceedence or SSM Procedures are not followed it must be reported to EPA/BAAQMD within 24 hours per SSM plan. (Report to EEC immediately and complete departure report)

Signature Jason R. Bean Date 6/13/23

Are any comments, descriptions, other information, etc. continued on the back side?  yes /  no

SSM PLAN REPORT FORM /  
FLARE STATION DAILY CHECKLIST  
City of Mountain View Flare Station

Date June 14<sup>th</sup>, 2023  
s m t w th f s

AM MONITORING

Name Jason R. Bean  
Arrival Time 6:26am Departure Time 6:50am  
GEM# Envision #2 Manometer  yes  no

PM MONITORING

Name \_\_\_\_\_  
Arrival Time \_\_\_\_\_ Departure Time \_\_\_\_\_  
GEM# \_\_\_\_\_ Manometer  yes  no

LFG to Flares

| CH4 % | CO2 % | O2 % |
|-------|-------|------|
| 51.4  | 33.5  | 1.6  |

LFG to Flares

| CH4 % | CO2 % | O2 % |
|-------|-------|------|
|       |       |      |

| Flare Operation | Temp. | Vac.  | SCFM |
|-----------------|-------|-------|------|
| Flare #1        | 1628  | 1.44" | 85   |
| Flare #2        | /     | /     | /    |
| Flare #3        | 1628  | 1.11" | 297  |

| Flare Operation | Temp. | Vac. | SCFM |
|-----------------|-------|------|------|
| Flare #1        |       |      |      |
| Flare #2        |       |      |      |
| Flare #3        |       |      |      |

| Blower Oper. | RPM  | Hours  |
|--------------|------|--------|
| Blower #1    | /    | /      |
| Blower #2    | 2200 | 655074 |
| Blower #3    | /    | /      |

| LFG at Inlets | 6A NE | Vista | F9 / B9 |
|---------------|-------|-------|---------|
| Vacuum        |       |       |         |
| SCFM          |       |       |         |

Air Compressor Hours: 11968.3  
Google SCFM: am: 14 pm: \_\_\_\_\_

Back Up Generator Running  yes  no  
Control Room Bypass  yes  no

| LFG at Inlets | 6A NE  | Vista  | F9 / B9 |
|---------------|--------|--------|---------|
| CH4 %         | 50.7   | 55.8   | 42.3    |
| CO2 %         | 34.1   | 35.3   | 29.0    |
| O2 %          | 1.8    | 0.4    | 4.2     |
| Vacuum        | -44.5" | -43.9" | -44.6"  |
| SCFM          | 180    | 141    | 86      |
| Temperature   | 71     | 71     | 69      |

The facility's program logic controller automatically reacted diligently and expeditiously to shut down the flare station, closed the shutdown valve as programmed, isolating all LFG in the piping system to avoid excess emissions, and notified the staff.  yes  no

The program logic controller or staff restarted the flare station and / or back-up generator in a diligent and expeditious manner to avoid excess emissions.  yes  no

Comments and/or Description of Malfunction and Affected Equipment: \_\_\_\_\_

Time of Shutdown: 7:16am 10:59am  
Time of Start-Up: 10:37am 11:30am  
Duration of Shutdown/Malfunction: 3hr 21min 31min

Reason for Shutdown/Malfunction:  
 Air-Compressor System  Blower  High Gas Flow  
 High Temperature  LEL  Low Gas Flow  
 Low Temperature  UV Scanner System  
 Power Failure  Scheduled Preventive Maintenance

Emission Exceedence:  yes\*  no

SSM Plan Procedures Followed:  yes  no\*

If SSM Plan Procedure not followed, explain procedure used: \_\_\_\_\_

Telstar has to calibrate Flare Flow Meters.

\* If Emission Exceedence or SSM Procedures are not followed it must be reported to EPA/BAAQMD within 24 hours per SSM plan. (Report to EEC immediately and complete departure report)

Signature Jason R. Bean Date 6/14/23

Are any comments, descriptions, other information, etc. continued on the back side?  yes  no

# SECTION IV

## LANDFILL GAS EMISSION MONITORING

- LANDFILL SURFACE SWEEP
- COMPONENT CHECK



ANNUAL LANDFILL SURFACE SWEEP  
(PERFORMED BY SCS ENGINEERS)

# City of Mountain View Shoreline Landfill Landfill Methane Rule (LMR) and New Source Performance Standard (NSPS) Surface Emissions Annual Monitoring (SEM) 2022

Presented to:

Rene Munoz  
City of Mountain View  
Department of Public Works/Public Services  
231 North Whisman Road  
Mountain View, California 94043

**SCS FIELD SERVICES**

File No. 07219100.00 Task 3 | December 28, 2022

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

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|                           |                                             |
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# 1 ANNUAL LMR SEM PROCEDURES

On behalf of the City of Mountain View, SCS Field Services (SCS) has performed annual Landfill Methane Rule (LMR) surface emissions monitoring (SEM) at the City of Mountain View Shoreline Landfill, in Mountain View, California (Site). All work was performed in accordance with the requirements of the LMR as administered by the California Air Resources Board (CARB) and the Bay Area Air Quality Management District (BAAQMD) in their memorandum dated July 13, 2016, to the City. Additionally, this testing event satisfies the requirements of the Code of Federal Regulations 40.60.755 New Source Performance Standards (NSPS) for surface emissions testing for closed landfills. This report provides a summary of test procedures and results.

## INSTANTANEOUS AND INTEGRATED SURFACE EMISSIONS MONITORING

SCS performs the instantaneous and integrated surface emissions monitoring (SEM) in accordance with the procedures shown below:

As stipulated in the LMR, if no uncorrectable exceedances of surface emissions within the 10-day limitation are detected in the past three years or upon completion of four consecutive compliant monitoring events performed in accordance with the LMR, the landfill can perform monitoring on a 100-foot pathway on an annual basis for closed landfills or quarterly for active disposal sites. Over the period of June 2012 through February 2013 (four quarters), measured surface emissions at the Site were below applicable regulatory thresholds. Therefore, based on four consecutive events with no uncorrectable regulatory exceedances at the site, the annual LMR monitoring at the City of Mountain View Shoreline Landfill was performed on a 100-foot pathway.

Surface monitoring is performed on an annual basis in accordance with City and California's Title 17 regulatory requirements and the memorandum issued to the City of Mountain View by the BAAQMD dated July 13, 2016. SCS performs instantaneous SEM over the landfill surface area.

Instantaneous monitoring provides "real-time" emissions (measured as methane) at each landfill surface location tested. Monitoring is performed a minimum of 72 hours after the latest rainfall, when the average wind speed is less than 6 miles per hour, (based on the ten minute time weighted average), and the instantaneous wind speed remained under 15 miles per hour. SCS provides a portable anemometer (wind speed and direction measuring equipment) with recording capabilities during testing. The instantaneous SEM is performed while traversing paths a maximum of 100-feet apart over the landfill surface. Monitoring is performed with the detector inlet held within 3-inches above the ground surface. Any locations exceeding 200 parts per million by volume (ppmv) are recorded. If any locations exceed the 500 ppmv above established background are observed, they are stake-marked and submitted to the City on the same day to enable remediation or repair to be performed. In addition, during the monitoring, all landfill penetrations are monitored and any locations in excess of the 500 ppmv limit are also stake-marked. These locations are then Global Position Systems (GPS) located/recorded and documented into site figure for reference. During these activities, the landfill cover/surface is visually inspected for integrity, breaches, or erosion.

***Note that this monitoring also complies with the requirements of 40 CFR 60.755 for surface emissions testing.***

Additionally, in conjunction with the instantaneous SEM, SCS performs integrated monitoring over the surface of the landfill. Integrated monitoring provides average (time-weighted) emissions data over an entire monitoring pathway or grid. Prior to commencement of the monitoring, in accordance with an approved work plan, SCS utilized the City-provided drawing which divided the site into 50,000 square foot grids (**Attachment 1**) which was then loaded into GPS devices to track the

pathways (**Attachment 2**) and placed on a Google Earth™ Map for ease of observation. Any grid that exceeds 25 ppmv during the integrated monitoring would be marked on the drawing and submitted to the City daily to enable remediation or repair to be performed.

As requested by the City, the SEM is scheduled to be completed over a maximum five (5) day period or less contingent upon weather conditions.

## **FOLLOW UP INSTANTANEOUS AND INTEGRATED RE-MONITORING (IF NEEDED)**

SCS implements instantaneous and integrated re-monitoring under the following conditions:

Within 10 calendar days from an initial instantaneous 500 ppmv or integrated grid 25 ppmv exceedance, SCS will mobilize to the site (following remediation or repairs) and perform re-monitoring in accordance with monitoring procedures described in the monitoring section above. If re-monitoring results indicate no exceedance then no further follow up monitoring is required.

If the re-monitoring results indicate a second exceedance within 10 calendar days, SCS will mobilize to the site (following remediation or repairs) and perform re-monitoring in accordance with monitoring procedures described in the monitoring section above. If re-monitoring results indicate no exceedance, then no further follow up testing is required.

If re-monitoring results indicate a third exceedance, the City must install a new or replacement LFG extraction well(s) as determined to achieve compliance within 120 calendar days from the third exceedance. As applicable, SCS will mobilize to the site (following new or replacement well installation) and perform re-monitoring in accordance with monitoring procedures described in the monitoring section above. If re-monitoring results indicate no exceedance then no further follow up monitoring is required.

During this annual event, no follow up testing was required.

## **EMISSIONS TESTING INSTRUMENTATION/CALIBRATION**

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

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

Calibration Forms and Downloaded Weather Data are shown in **Attachments 3** and **4**, respectively.

## **2 SITE BACKGROUND**

The City of Mountain View Shoreline Landfill is a closed organic refuse disposal site (municipal solid waste landfill). By way of background, organic materials buried in a landfill decompose anaerobically (in the absence of oxygen) producing combustible gas, which contains approximately 50 to 60

percent methane gas, 40 to 50 percent carbon dioxide, and trace amounts of various other gases, some of which are odorous. The City of Mountain View Shoreline Landfill property contains a landfill gas collection and control system (GCCS) to collect and control the decomposition gases generated in the landfill.

If the gases produced in a landfill are not collected and controlled, the gases can vent vertically to the atmosphere or migrate horizontally through subsurface soil, possibly to locations on adjacent properties.

As required by the LMR, the landfill surface area was divided into 50,000 square foot areas, or grids. The City of Mountain View Shoreline Landfill surface area was therefore divided into 430 grids, as shown on the figure in **Attachment 1**. During this monitoring event, several areas were not monitored, in accordance with the LMR, due to the fact that the grids overlie or are within inert filled areas, tidal marshes, a recreational lake, or portions of the closed landfill with a synthetic membrane cover (this area, the Shoreline Amphitheatre, is monitored by SCS for the site manager, LiveNation, under a separate contract and report).

Finally, in order to assist in the monitoring and analysis the closed landfill site is further divided into six sections defined as: Back Nine, Back Nine/North Shore, Crittenden, Front Nine, Cell 6A and Vista. Results of the monitoring for each section as discussed in the subsequent sections of this report. These areas reflect general boundaries of past waste disposal modules, and/or the current post-closure recreational uses of the site.

### 3 SURFACE EMISSIONS MONITORING RESULTS

On July 18, 19 and 20, 2022, instantaneous and integrated SEM was performed over the surface of the subject site. The intent of the monitoring was to identify any specific locations or areas of the landfill surface with organic compound concentrations exceeding the NSPS or LMR threshold limit values of 500 ppmv measured as methane for instantaneous monitoring or an average methane concentration of 25 ppmv for the LMR integrated monitoring in the 50,000 square foot grids, or any areas that met or exceeded the instantaneous LMR recording threshold of 200 ppmv, as required under the LMR. Although not required by the LMR, the instantaneous results are provided to the City in electronic format for use/submission if requested by a regulatory agency. The instantaneous results are not provided in this written report due to the volume of readings. Results of the maximum instantaneous and integrated surface monitoring are shown in **Attachment 5** and **Attachment 6**, respectively.

During this event, SCS performed the monitoring on a 100-foot pathway in accordance with the LMR and the City's request. All instantaneous SEM locations and all integrated SEM locations were in compliance with the LMR and NSPS standards. ***No locations were observed to exceed the 200 ppmv for the 500 ppmv reporting and exceedance limits during the instantaneous SEM. Additionally, no grid locations were observed to exceed the 25 ppmv limit during the integrated SEM event.***

In addition to the compliance monitoring, the landfill cover was also inspected during this event. No areas were observed during our monitoring or inspection that needed repair. The GPS pathways for the facility, Back Nine, Back Nine/Northshore, Crittenden, Cell 6A, Front Nine and Vista are shown in **Attachment 2**, Figures A through G.

## BACK NINE

On July 18, and 19, 2022, SCS performed the monitoring on a 100-foot pathway in accordance with the rules as required under the NSPS and LMR in the Back Nine Area. The intent of the monitoring was to identify any specific locations or areas of the landfill surface with organic compound concentrations exceeding the NSPS or LMR threshold limit values of 500 ppmv measured as methane for instantaneous monitoring, or an average methane concentration of 25 ppmv for the integrated monitoring or any areas that met or exceeded the instantaneous recording threshold of 200 ppmv. During our instantaneous monitoring, the highest observed reading for this area was 31.5 ppmv in Grid L13. Results of the maximum instantaneous monitoring are shown in **Attachment 5**.

Additionally, during the integrated monitoring, no exceedance of the 25 ppmv limit was observed in any grid location tested. The highest integrated reading observed for the entire event and this area was in Grid L11, with an average methane concentration of 13.84 ppmv, which is shown in **Attachment 6A and Attachment 6B**.

## BACK NINE/NORTHSHORE

On July 18, 19 and 20, 2022, SCS performed the monitoring on a 100-foot pathway in accordance with the rules as required under the NSPS or LMR for the Back Nine/Northshore area. The intent of the monitoring was to identify any specific locations or areas of the landfill surface with organic compound concentrations exceeding the NSPS or LMR threshold limit values of 500 ppmv measured as methane for instantaneous monitoring, or an average methane concentration of 25 ppmv for the integrated monitoring or any areas that met or exceeded the instantaneous recording threshold of 200 ppmv. During our instantaneous monitoring, the highest observed reading for this event and in this area was 35.10 ppmv in Grid A10. Results of the maximum instantaneous monitoring are shown in **Attachment 5**.

Additionally, during the integrated monitoring, no exceedance of the 25 ppmv limit was observed in any grid location tested. The highest integrated reading observed for this area was in Grid A07, with an average methane concentration of 4.91 ppmv, which is shown in **Attachment 6B**.

## CRITTENDEN

On July 18, 2022, SCS performed the monitoring on a 100-foot pathway in accordance with the rules as required under the NSPS or LMR for the Crittenden area. The intent of the monitoring was to identify any specific locations or areas of the landfill surface with organic compound concentrations exceeding the NSPS or LMR threshold limit values of 500 ppmv measured as methane for instantaneous monitoring, or an average methane concentration of 25 ppmv for the integrated monitoring or any areas that met or exceeded the instantaneous recording threshold of 200 ppmv. During our instantaneous monitoring, the highest observed reading was 63.5 ppmv in Grid O28. Results of the maximum instantaneous monitoring are shown in **Attachment 5**.

Additionally, during the integrated monitoring, no exceedance of the 25 ppmv limit was observed in any grid location tested. The highest integrated readings observed were in Grid O28, with an average methane concentration of 8.18 ppmv, which is shown in **Attachment 6C**.

## CELL 6A

On July 19 and 20, 2022, SCS performed the monitoring on a 100-foot pathway in accordance with

the rules as required under the NSPS or LMR for the Cell 6A area. The intent of the monitoring was to identify any specific locations or areas of the landfill surface with organic compound concentrations exceeding the NSPS or LMR threshold limit values of 500 ppmv measured as methane for instantaneous monitoring, or an average methane concentration of 25 ppmv for the integrated monitoring or any areas that met or exceeded the instantaneous recording threshold of 200 ppmv. During our instantaneous monitoring, the highest observed reading was 36.4 ppmv in Grid D33. Results of the maximum instantaneous monitoring are shown in **Attachment 5**.

Additionally, during the integrated monitoring, no exceedance of the 25 ppmv limit was observed in any grid location tested. The highest integrated reading observed for this area was in Grid D33, with an average methane concentration of 7.58 ppmv, which is shown in **Attachment 6D**.

## FRONT NINE

On July 19 and 20, 2022, SCS performed the monitoring on a 100-foot pathway in accordance with the rules as required under the NSPS or LMR for the Front Nine area. The intent of the monitoring was to identify any specific locations or areas of the landfill surface with organic compound concentrations exceeding the NSPS or LMR threshold limit values of 500 ppmv measured as methane for instantaneous monitoring, or an average methane concentration of 25 ppmv for the integrated monitoring or any areas that met or exceeded the instantaneous recording threshold of 200 ppmv. During our instantaneous monitoring, the highest observed reading for this area was 43.5 ppmv in Grid D20. Results of the maximum instantaneous monitoring are shown in **Attachment 5**.

Additionally, during the integrated monitoring, no exceedance of the 25 ppmv limit was observed in any grid location tested. The highest integrated reading observed was also in Grid F19, with an average methane concentration of 3.68 ppmv, which is shown in **Attachment 6E**.

## VISTA

On July 18, 2022, SCS performed the monitoring on a 100-foot pathway in accordance with the rules as required under the NSPS or LMR for the Vista area. The intent of the monitoring was to identify any specific locations or areas of the landfill surface with organic compound concentrations exceeding the NSPS or LMR threshold limit values of 500 ppmv measured as methane for instantaneous monitoring, or an average methane concentration of 25 ppmv for the integrated monitoring or any areas that met or exceeded the instantaneous recording threshold of 200 ppmv. During our instantaneous monitoring, the highest observed reading was 5.5 ppmv in Grid K19 and K20. Results of the maximum instantaneous monitoring are shown in **Attachment 5**.

Additionally, during the integrated monitoring, no exceedance of the 25 ppmv limit was observed in any grid location tested. The highest integrated reading observed was in Grid K19, with an average methane concentration of 2.32 ppmv, which is shown in **Attachment 6F**.

## PRESSURIZED PIPE AND COMPONENT LEAK MONITORING

On July 20, 2022, quarterly pressurized leak monitoring was performed in accordance with the LMR at the landfill gas (LFG) blower/flare station (BFS). Monitoring was performed with the detector inlet held within one half of an inch from pressurized pipe and collection system components. No locations exceeded the 500 ppmv threshold during the testing events.



The maximum reading at the LFG Flare Station Compound which was well below the compliance threshold, was measured at 184 ppmv. These observed readings are shown on **Attachment 7**. Therefore, all collection system components and piping within the LFG BFS area were in compliance upon conclusion of our testing.

## 4 SUMMARY OF RESULTS

During our surface monitoring SCS observed no areas of non-compliance. The highest instantaneous reading, 63.5 ppmv, was observed in Grid O28, which is located in the Crittenden section of the closed landfill. The highest integrated reading observed was 13.84 ppmv, which was also in Grid L11 located in the Back Nine section of the closed landfill. These readings are well below the 500 ppmv instantaneous and 25 ppmv integrated compliance thresholds. Therefore, the results indicate that the City of Mountain View Landfill was in compliance with the surface emissions requirements of the LMR and NSPS.

Based on these monitoring results (i.e., no emissions above the compliance limit), no follow up testing, corrective action or collection system expansion is required at this time. In accordance with the LMR, surface emissions monitoring will continue to be performed on an annual basis. The next scheduled event will be performed during calendar year 2023.

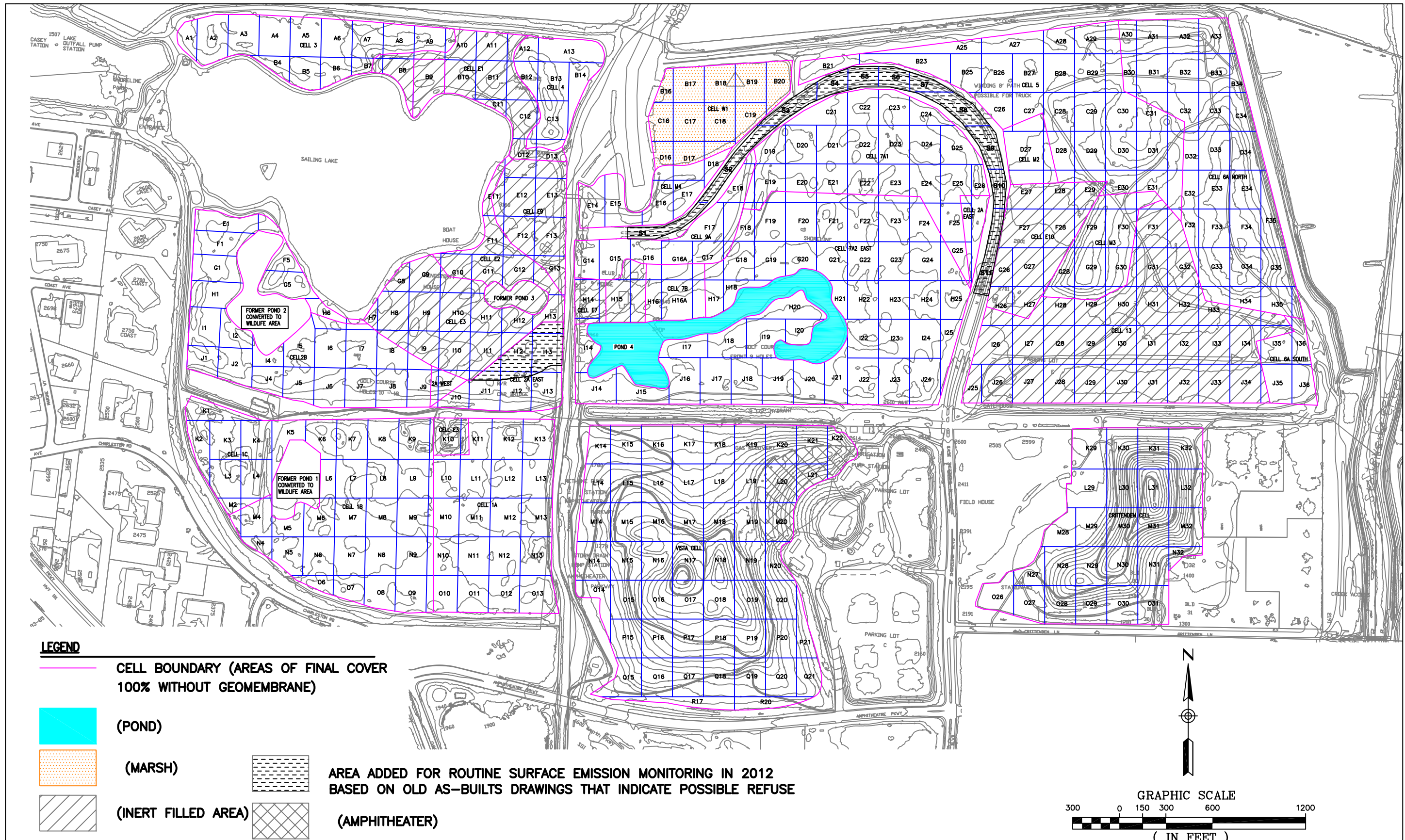
During this monitoring event, all areas that required monitoring in accordance with the LMR were tested. Areas that are not monitored due to inert filled areas, tidal marshes, a recreational lake, or areas that are monitored by others (as shown on **Attachment 1**), are deemed exempt under the requirements of the LMR.

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

SCS has performed this work in accordance with the requirements of the Landfill Methane Rule and generally accepted practices and standards consistent with the level of care and skill exercised under similar circumstances by a reasonably prudent member of the profession performing similar services.

## Attachment 1

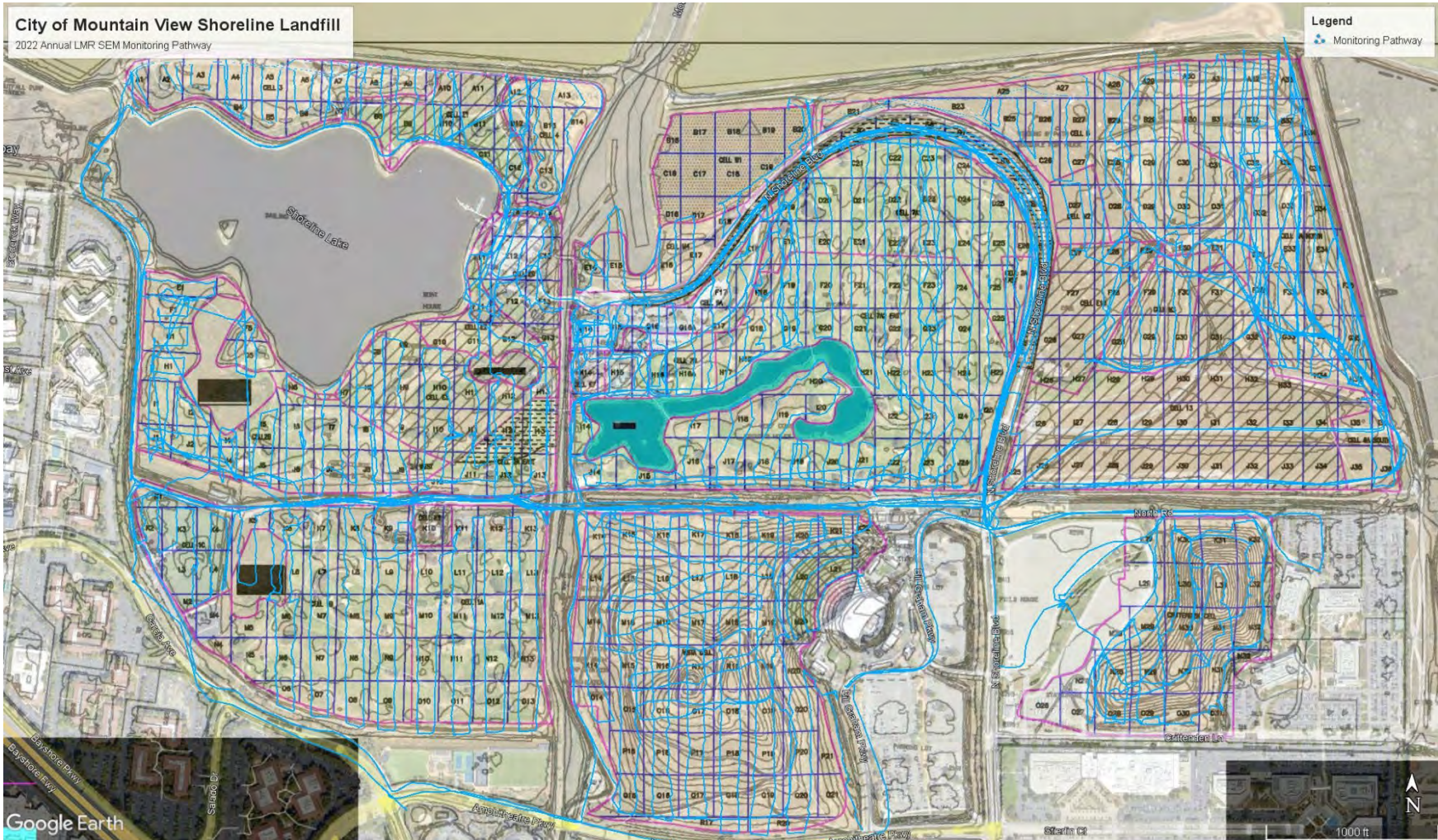
### Overall Landfill Grid Map



CITY OF MOUNTAIN VIEW – SHORELINE LANDFILL MAP  
 TOPO MAP AREAS OF FINAL COVER (100% WITHOUT GEOMEMBRANE)

## Attachment 2

### Surface Pathway



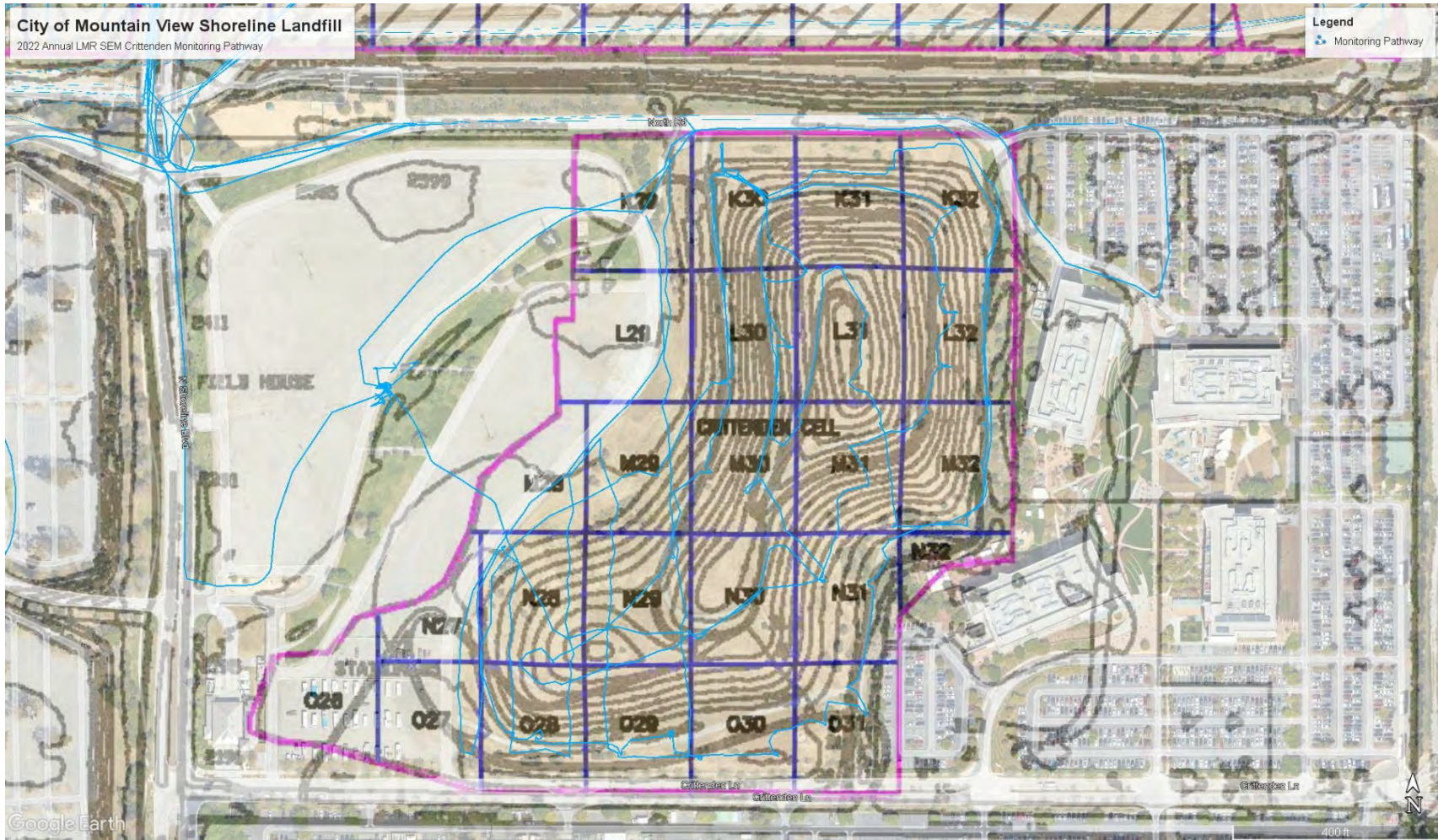
Attachment 2-A  
2022 Annual  
LMR Surface Emissions Monitoring Pathway  
City of Mountain View Shoreline Landfill, Mountain View, California



Attachment 2-B  
2022 Annual  
Back Nine LMR Surface Emissions Monitoring Pathway  
City of Mountain View Shoreline Landfill, Mountain View, California

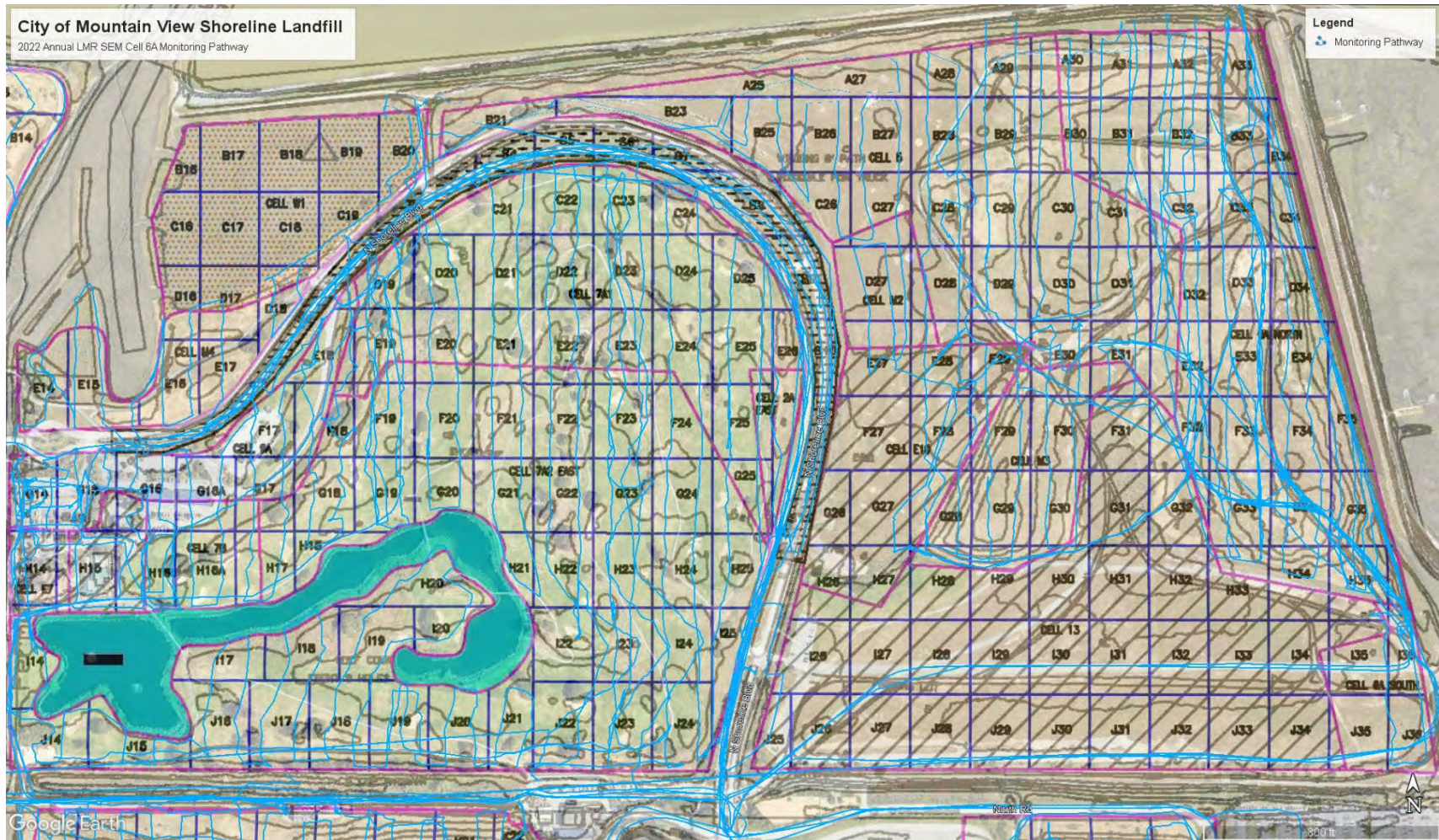


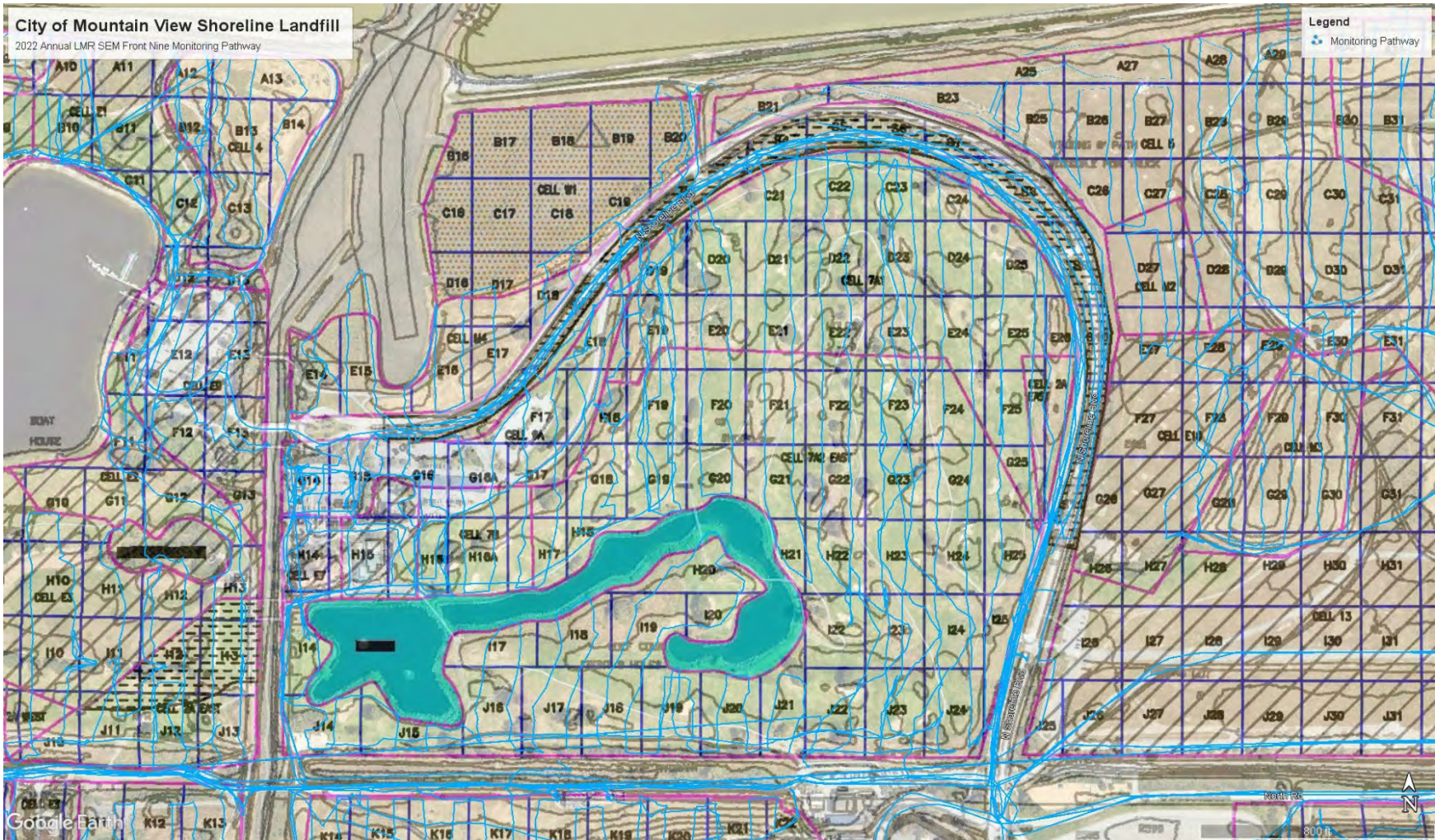
Attachment 2-C  
 2022 Annual  
 Back Nine / North Shore LMR Surface Emissions Monitoring Pathway  
 City of Mountain View Shoreline Landfill, Mountain View, California



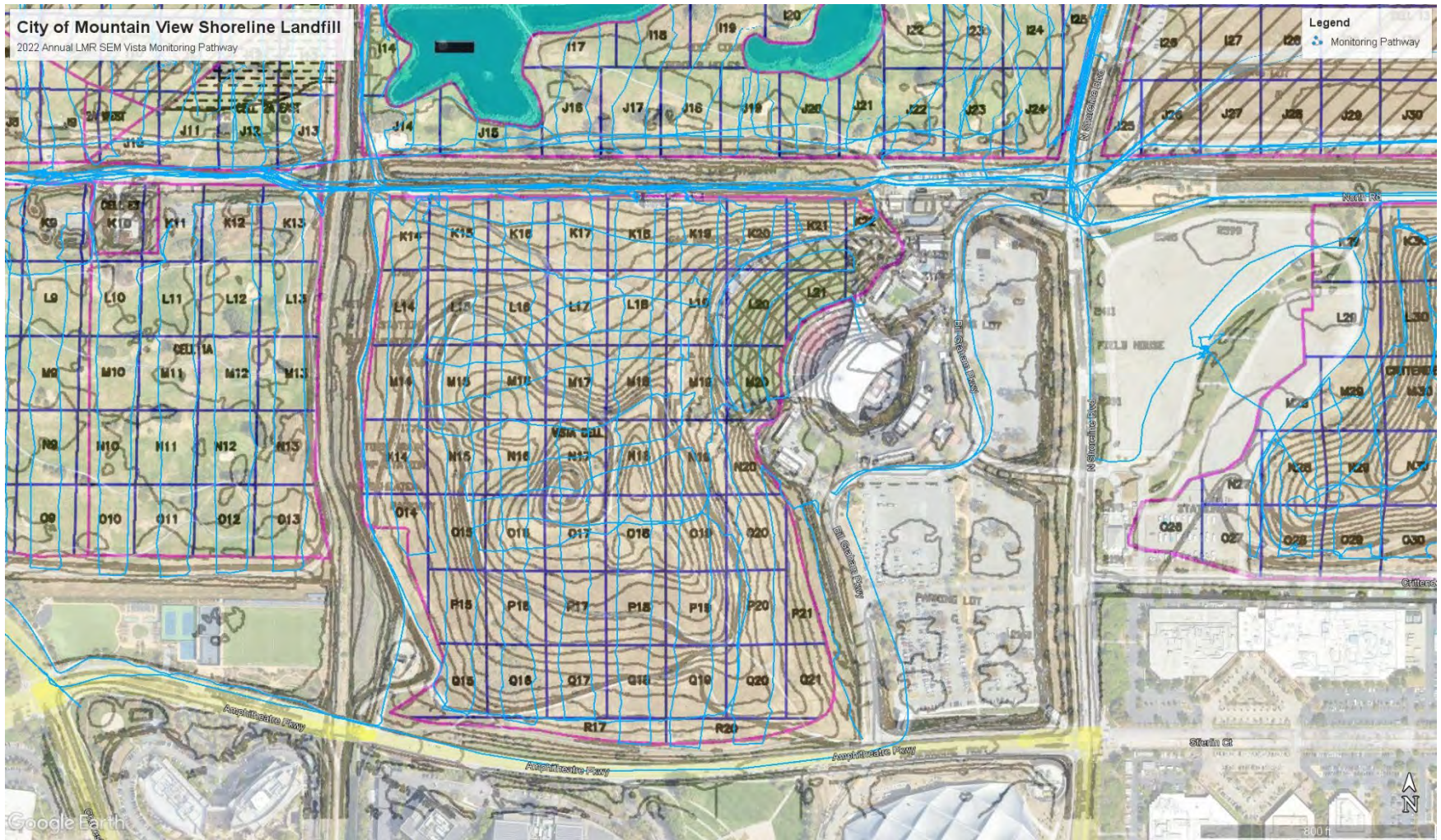
Attachment 2-D  
2022 Annual  
Crittenden LMR Surface Emissions Monitoring Pathway  
City of Mountain View Shoreline Landfill, Mountain View, California







Attachment 2-F  
2022 Annual  
Front Nine LMR Surface Emissions Monitoring Pathway  
City of Mountain View Shoreline Landfill, Mountain View, California



Attachment 2-G  
2022 Annual  
Vista LMR Surface Emissions Monitoring Pathway  
City of Mountain View Shoreline Landfill, Mountain View, California

## Attachment 3

### Calibration Logs

**SURFACE EMISSIONS MONITORING  
CALIBRATION AND PERTINENT DATA**

Date: 7-18-22  
Inspector(s): Don Gibson

Site Name: Mt. View  
Instrument: TVA 2020

**WEATHER OBSERVATIONS**

Wind Speed: 1 MPH      Wind Direction: N      Barometric Pressure: 29.9 "Hg  
Air Temperature: 61 °F      General Weather Conditions: Sunny

**CALIBRATION INFORMATION**

Pre-monitoring Calibration Precision Check

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

Instrument Serial Number: 1211      Cal Gas Concentration: 500ppm

| Trial | Zero Air Reading | Cal Gas Reading | Cal Gas Conc.-Cal Gas Reading | Response Time (seconds) |
|-------|------------------|-----------------|-------------------------------|-------------------------|
| 1     | 0                | 503             | 3                             | 55                      |
| 2     | 0                | 497             | 3                             | 55                      |
| 3     | 0                | 500             | 0                             | 55                      |

Average Difference: 2

\*Perform recalibration if average difference is greater than 10

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

$$= 100\% - \frac{2}{500} \times 100\% = 99.6\%$$

Span Sensitivity:

| Trial 1:                                    | Trial 3:                                    |
|---------------------------------------------|---------------------------------------------|
| Counts Observed for the Span= <u>131792</u> | Counts Observed for the Span= <u>134292</u> |
| Counters Observed for the Zero= <u>3914</u> | Counters Observed for the Zero= <u>3814</u> |
| Trial 2:                                    |                                             |
| Counts Observed for the Span= <u>133936</u> |                                             |
| Counters Observed for the Zero= <u>3827</u> |                                             |

Post Monitoring Calibration Check

Zero Air Reading: 1 ppm      Cal Gas Reading: 487 ppm

**BACKGROUND CONCENTRATIONS CHECKS**

Upwind Location Description: Pilot      Reading: 1.0 ppm  
Downwind Location Description: C. Club      Reading: 1.1 ppm

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

**SURFACE EMISSIONS MONITORING  
CALIBRATION AND PERTINENT DATA**

Date: 7-18-22

Site Name: Mountain View

Inspector(s): Bryan Ochoa

Instrument: TVA 2020

**WEATHER OBSERVATIONS**

Wind Speed: 1 MPH

Wind Direction: N

Barometric Pressure: 29.9 "Hg

Air Temperature: 61 °F

General Weather Conditions: Sunny

**CALIBRATION INFORMATION**

Pre-monitoring Calibration Precision Check

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

Instrument Serial Number: 5419

Cal Gas Concentration: 500ppm

| Trial | Zero Air Reading | Cal Gas Reading | Cal Gas Conc.-Cal Gas Reading | Response Time (seconds) |
|-------|------------------|-----------------|-------------------------------|-------------------------|
| 1     | <u>0</u>         | <u>498</u>      | <u>2</u>                      | <u>5</u>                |
| 2     | <u>-0.1</u>      | <u>501</u>      | <u>1</u>                      | <u>5</u>                |
| 3     |                  | <u>499</u>      | <u>1</u>                      | <u>5</u>                |

Average Difference: 1.3

\*Perform recalibration if average difference is greater than 10

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

$$= 100\% - \frac{1.3}{500} \times 100\%$$

$$= 99.7\%$$

Span Sensitivity:

| Trial 1:                                    | Trial 2:                                    |
|---------------------------------------------|---------------------------------------------|
| Counts Observed for the Span= <u>184726</u> | Counts Observed for the Span= <u>189620</u> |
| Counters Observed for the Zero= <u>5299</u> | Counters Observed for the Zero= <u>5038</u> |

| Trial 3:                                    |
|---------------------------------------------|
| Counts Observed for the Span= <u>184784</u> |
| Counters Observed for the Zero= <u>4965</u> |

Post Monitoring Calibration Check

Zero Air Reading: 0 ppm

Cal Gas Reading: 488 ppm

**BACKGROUND CONCENTRATIONS CHECKS**

Upwind Location Description: Parking lot Reading: 1.0 ppm

Downwind Location Description: Country club Reading: 1.1 ppm

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

**SURFACE EMISSIONS MONITORING  
CALIBRATION AND PERTINENT DATA**

Date: 7-18-22 Site Name: Mt. View  
 Inspector(s): Diego Romero Instrument: TVA 2020

**WEATHER OBSERVATIONS**

Wind Speed: 1 MPH Wind Direction: N Barometric Pressure: 29.9 "Hg  
 Air Temperature: 61 °F General Weather Conditions: Sunny

**CALIBRATION INFORMATION**

Pre-monitoring Calibration Precision Check

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

Instrument Serial Number: 2364 Cal Gas Concentration: 500ppm

| Trial | Zero Air Reading | Cal Gas Reading | Cal Gas Conc.-Cal Gas Reading | Response Time (seconds) |
|-------|------------------|-----------------|-------------------------------|-------------------------|
| 1     | <u>-2.1</u>      | <u>498</u>      | <u>2</u>                      | <u>5</u>                |
| 2     | <u>0</u>         | <u>500</u>      | <u>0</u>                      | <u>3</u>                |
| 3     | <u>0</u>         | <u>499</u>      | <u>1</u>                      | <u>4</u>                |

Average Difference: 3  
\*Perform recalibration if average difference is greater than 10

Calibration Precision = Average Difference / Cal Gas Conc. X 100%  
 = 100% - 3 / 500 x 100%  
 = 99.8 %

**Span Sensitivity:**

| Trial 1:                                     | Trial 3:                                     |
|----------------------------------------------|----------------------------------------------|
| Counts Observed for the Span = <u>185900</u> | Counts Observed for the Span = <u>184784</u> |
| Counters Observed for the Zero = <u>4032</u> | Counters Observed for the Zero = <u>4186</u> |
| Trial 2:                                     |                                              |
| Counts Observed for the Span = <u>180668</u> |                                              |
| Counters Observed for the Zero = <u>4092</u> |                                              |

**Post Monitoring Calibration Check**

Zero Air Reading: -1.6 ppm Cal Gas Reading: 465 ppm

**BACKGROUND CONCENTRATIONS CHECKS**

Upwind Location Description: Parking lot Reading: 1.0 ppm  
 Downwind Location Description: Country club Reading: 1.2 ppm

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

**SURFACE EMISSIONS MONITORING  
CALIBRATION AND PERTINENT DATA**

Date: 7-18-22 Site Name: Mt. View  
 Inspector(s): Emanuel Instrument: TVA 2020

**WEATHER OBSERVATIONS**

Wind Speed: 1 MPH Wind Direction: N Barometric Pressure: 29.9 "Hg  
 Air Temperature: 61 °F General Weather Conditions: Sunny

**CALIBRATION INFORMATION**

Pre-monitoring Calibration Precision Check

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

Instrument Serial Number: 1223 Cal Gas Concentration: 500ppm

| Trial | Zero Air Reading | Cal Gas Reading | Cal Gas Conc.-Cal Gas Reading | Response Time (seconds) |
|-------|------------------|-----------------|-------------------------------|-------------------------|
| 1     | <u>-0.1</u>      | <u>499</u>      | <u>1</u>                      | <u>5</u>                |
| 2     | <u>0</u>         | <u>500</u>      | <u>0</u>                      | <u>5</u>                |
| 3     | <u>0</u>         | <u>500</u>      | <u>0</u>                      | <u>4</u>                |

Average Difference: .3

\*Perform recalibration if average difference is greater than 10

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

$$= 100\% - \frac{.3}{500} \times 100\% = 99.9\%$$

Span Sensitivity:

|                                                                                                                 |                                                                                                                 |
|-----------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| <b>Trial 1:</b><br>Counts Observed for the Span = <u>152436</u><br>Counters Observed for the Zero = <u>2752</u> | <b>Trial 3:</b><br>Counts Observed for the Span = <u>159216</u><br>Counters Observed for the Zero = <u>2678</u> |
| <b>Trial 2:</b><br>Counts Observed for the Span = <u>159540</u><br>Counters Observed for the Zero = <u>2702</u> |                                                                                                                 |

Post Monitoring Calibration Check

Zero Air Reading: 0 ppm Cal Gas Reading: 490 ppm

**BACKGROUND CONCENTRATIONS CHECKS**

Upwind Location Description: Parking lot Reading: 1.0 ppm  
 Downwind Location Description: Country club Reading: 1.1 ppm

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



**SURFACE EMISSIONS MONITORING  
CALIBRATION AND PERTINENT DATA**

Date: 7-18-22 Site Name: Mt. view  
 Inspector(s): R. Warren Emmage Instrument: TVA 2020

**WEATHER OBSERVATIONS**

Wind Speed: 1 MPH Wind Direction: N Barometric Pressure: 29.9 "Hg  
 Air Temperature: 61 °F General Weather Conditions: Sunny

**CALIBRATION INFORMATION**

Pre-monitoring Calibration Precision Check

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

Instrument Serial Number: 2367 Cal Gas Concentration: 500ppm

| Trial | Zero Air Reading | Cal Gas Reading | Cal Gas Conc.-Cal Gas Reading | Response Time (seconds) |
|-------|------------------|-----------------|-------------------------------|-------------------------|
| 1     | 0                | 504             | 4                             | 1                       |
| 2     | 0                | 501             | 1                             | 2                       |
| 3     | 0                | 500             | 0                             | 1                       |

Average Difference: 1.6

\*Perform recalibration if average difference is greater than 10

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

$$= 100\% - \frac{1.6}{500} \times 100\%$$

$$= 99.6\%$$

Span Sensitivity:

| Trial 1:                                     | Trial 3:                                     |
|----------------------------------------------|----------------------------------------------|
| Counts Observed for the Span = <u>159700</u> | Counts Observed for the Span = <u>157132</u> |
| Counters Observed for the Zero = <u>5143</u> | Counters Observed for the Zero = <u>3843</u> |
| Trial 2:                                     |                                              |
| Counts Observed for the Span = <u>158121</u> |                                              |
| Counters Observed for the Zero = <u>5083</u> |                                              |

Post Monitoring Calibration Check

Zero Air Reading: 0.8 ppm Cal Gas Reading: 534 ppm

**BACKGROUND CONCENTRATIONS CHECKS**

Upwind Location Description: Parking Lot Reading: 1.7 ppm  
 Downwind Location Description: Country Club Reading: 1.9 ppm

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

**SURFACE EMISSIONS MONITORING  
CALIBRATION AND PERTINENT DATA**

Date: 7-18-22 Site Name: MT. VIEW  
 Inspector(s): Ricardo Lopez Instrument: TVA 2020

**WEATHER OBSERVATIONS**

Wind Speed: 1 MPH Wind Direction: N Barometric Pressure: 29.9 "Hg  
 Air Temperature: 61 °F General Weather Conditions: Sunny

**CALIBRATION INFORMATION**

Pre-monitoring Calibration Precision Check

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

Instrument Serial Number: 5420 Cal Gas Concentration: 500ppm

| Trial | Zero Air Reading | Cal Gas Reading | Cal Gas Conc.-Cal Gas Reading | Response Time (seconds) |
|-------|------------------|-----------------|-------------------------------|-------------------------|
| 1     | 0                | 507             | 7                             | 1                       |
| 2     | 0                | 503             | 3                             | 1                       |
| 3     | 0                | 501             | 1                             | 1                       |

Average Difference: 3.6  
\*Perform recalibration if average difference is greater than 10

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

$$= 100\% \cdot \frac{3.6}{500} \times 100\%$$

$$= 99.2\%$$

Span Sensitivity:

| Trial 1:                                     | Trial 3:                                     |
|----------------------------------------------|----------------------------------------------|
| Counts Observed for the Span = <u>117264</u> | Counts Observed for the Span = <u>121648</u> |
| Counters Observed for the Zero = <u>3738</u> | Counters Observed for the Zero = <u>3683</u> |
| Trial 2:                                     |                                              |
| Counts Observed for the Span = <u>119880</u> |                                              |
| Counters Observed for the Zero = <u>3715</u> |                                              |

Post Monitoring Calibration Check

Zero Air Reading: 0.9 ppm Cal Gas Reading: 529 ppm

**BACKGROUND CONCENTRATIONS CHECKS**

Upwind Location Description: Parking Lot Reading: 0.9 ppm  
 Downwind Location Description: Country Club Reading: 1.0 ppm

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

**SURFACE EMISSIONS MONITORING  
CALIBRATION AND PERTINENT DATA**

Date: 7-18-22 Site Name: mt. view  
 Inspector(s): Ruben Rios Instrument: TVA 2020

**WEATHER OBSERVATIONS**

Wind Speed: 1 MPH Wind Direction: N Barometric Pressure: 29.9 "Hg  
 Air Temperature: 61 °F General Weather Conditions: Sunny

**CALIBRATION INFORMATION**

Pre-monitoring Calibration Precision Check

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

Instrument Serial Number: 4388 Cal Gas Concentration: 500ppm

| Trial | Zero Air Reading | Cal Gas Reading | Cal Gas Conc.-Cal Gas Reading | Response Time (seconds) |
|-------|------------------|-----------------|-------------------------------|-------------------------|
| 1     | <u>000</u>       | <u>500</u>      | <u>0</u>                      | <u>1</u>                |
| 2     | <u>000</u>       | <u>501</u>      | <u>1</u>                      | <u>2</u>                |
| 3     | <u>000</u>       | <u>502</u>      | <u>2</u>                      | <u>1</u>                |

Average Difference: 1  
\*Perform recalibration if average difference is greater than 10

Calibration Precision = Average Difference / Cal Gas Conc. X 100%  
 = 100% - 1 / 500 x 100%  
 = 99.8 %

Span Sensitivity:

| Trial 1:                                     | Trial 3:                                     |
|----------------------------------------------|----------------------------------------------|
| Counts Observed for the Span = <u>142832</u> | Counts Observed for the Span = <u>139872</u> |
| Counters Observed for the Zero = <u>3771</u> | Counters Observed for the Zero = <u>4011</u> |
| Trial 2:                                     |                                              |
| Counts Observed for the Span = <u>138218</u> |                                              |
| Counters Observed for the Zero = <u>3818</u> |                                              |

Post Monitoring Calibration Check

Zero Air Reading: -0.1 ppm Cal Gas Reading: 504 ppm

**BACKGROUND CONCENTRATIONS CHECKS**

Upwind Location Description: Parking lot Reading: 0.2 ppm  
 Downwind Location Description: Country Club Reading: 0.4 ppm

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

**SURFACE EMISSIONS MONITORING  
CALIBRATION AND PERTINENT DATA**

Date: 7-20-22 Site Name: mt. view  
 Inspector(s): Emmanuel Instrument: TVA 2020

**WEATHER OBSERVATIONS**

Wind Speed: 1 MPH Wind Direction: NW Barometric Pressure: 30.03 "Hg  
 Air Temperature: 61 °F General Weather Conditions: cloudy

**CALIBRATION INFORMATION**

**Pre-monitoring Calibration Precision Check**

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

Instrument Serial Number: 1220 Cal Gas Concentration: 500ppm

| Trial | Zero Air Reading | Cal Gas Reading | Cal Gas Conc.-Cal Gas Reading | Response Time (seconds) |
|-------|------------------|-----------------|-------------------------------|-------------------------|
| 1     | <u>0.1</u>       | <u>500</u>      | <u>0</u>                      | <u>1</u>                |
| 2     | <u>0</u>         | <u>503</u>      | <u>3</u>                      | <u>2</u>                |
| 3     | <u>-0.1</u>      | <u>500</u>      | <u>0</u>                      | <u>1</u>                |

Average Difference:    
\*Perform recalibration if average difference is greater than 10

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

$$= \frac{100\% - \frac{1}{500} \times 100\%}{100} \times 100\%$$

$$= 99.8\%$$

**Span Sensitivity:**

| Trial 1:                                    | Trial 3:                                    |
|---------------------------------------------|---------------------------------------------|
| Counts Observed for the Span= <u>138480</u> | Counts Observed for the Span= <u>140012</u> |
| Counters Observed for the Zero= <u>3585</u> | Counters Observed for the Zero= <u>3607</u> |
| Trial 2:                                    |                                             |
| Counts Observed for the Span= <u>140040</u> |                                             |
| Counters Observed for the Zero= <u>3597</u> |                                             |

**Post Monitoring Calibration Check**

Zero Air Reading: 0.3 ppm Cal Gas Reading: 525 ppm

**BACKGROUND CONCENTRATIONS CHECKS**

Upwind Location Description: Flare Reading: 2.1 ppm  
 Downwind Location Description: Country Club Reading: 2.5 ppm

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

**SURFACE EMISSIONS MONITORING  
CALIBRATION AND PERTINENT DATA**

Date: 7-20-22 Site Name: Int. View  
 Inspector(s): Ricardo Yerez Instrument: TVA 2020

**WEATHER OBSERVATIONS**

Wind Speed: 1 MPH Wind Direction: WNW Barometric Pressure: 30.3 "Hg  
 Air Temperature: 57 °F General Weather Conditions: cloudy

**CALIBRATION INFORMATION**

Pre-monitoring Calibration Precision Check

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

Instrument Serial Number: 2367 5410 Cal Gas Concentration: 500ppm

| Trial | Zero Air Reading | Cal Gas Reading | Cal Gas Conc.-Cal Gas Reading | Response Time (seconds) |
|-------|------------------|-----------------|-------------------------------|-------------------------|
| 1     | 0                | 499             | 1                             | 9                       |
| 2     | 0                | 498             | 2                             | 3                       |
| 3     |                  | 502             | 2                             | 3                       |

Average Difference: 1.6  
\*Perform recalibration if average difference is greater than 10

Calibration Precision= Average Difference/Cal Gas Conc. X 100%  
 = 100% - 1.6 / 500 x 100%  
 = 99.68 %

**Span Sensitivity:**

| Trial 1:                                    | Trial 3:                                    |
|---------------------------------------------|---------------------------------------------|
| Counts Observed for the Span= <u>188984</u> | Counts Observed for the Span= <u>185148</u> |
| Counters Observed for the Zero= <u>5272</u> | Counters Observed for the Zero= <u>5058</u> |
| Trial 2:                                    |                                             |
| Counts Observed for the Span= <u>189344</u> |                                             |
| Counters Observed for the Zero= <u>5162</u> |                                             |

**Post Monitoring Calibration Check**

Zero Air Reading: 0.5 ppm Cal Gas Reading: 537 ppm

**BACKGROUND CONCENTRATIONS CHECKS**

Upwind Location Description: Flare Reading: 2.7 ppm  
 Downwind Location Description: Country Club Reading: 2.1 ppm

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

**SURFACE EMISSIONS MONITORING  
CALIBRATION AND PERTINENT DATA**

Date: 7-20-22 Site Name: Alt. View  
 Inspector(s): Bryan Ochoa Instrument: TVA 2020

**WEATHER OBSERVATIONS**

Wind Speed: 1 MPH Wind Direction: WNW Barometric Pressure: 30.3 "Hg  
 Air Temperature: 57 °F General Weather Conditions: cloudy

**CALIBRATION INFORMATION**

Pre-monitoring Calibration Precision Check

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

Instrument Serial Number: 5449 2367 Cal Gas Concentration: 500ppm

| Trial | Zero Air Reading | Cal Gas Reading | Cal Gas Conc.-Cal Gas Reading | Response Time (seconds) |
|-------|------------------|-----------------|-------------------------------|-------------------------|
| 1     | 0                | 499             | 1                             | 4                       |
| 2     | 0                | 502             | 2                             | 5                       |
| 3     | 0                | 501             | 1                             | 4                       |

Average Difference: 1.3  
\*Perform recalibration if average difference is greater than 10

Calibration Precision = Average Difference / Cal Gas Conc. X 100%  
 = 100% - 1.3 / 500 x 100%  
 = 99.74 %

**Span Sensitivity:**

| Trial 1:                                    | Trial 3:                                    |
|---------------------------------------------|---------------------------------------------|
| Counts Observed for the Span= <u>170800</u> | Counts Observed for the Span= <u>169632</u> |
| Counters Observed for the Zero= <u>4967</u> | Counters Observed for the Zero= <u>4846</u> |
| Trial 2:                                    |                                             |
| Counts Observed for the Span= <u>168952</u> |                                             |
| Counters Observed for the Zero= <u>4913</u> |                                             |

**Post Monitoring Calibration Check**

Zero Air Reading: 0.1 ppm Cal Gas Reading: 529 ppm

**BACKGROUND CONCENTRATIONS CHECKS**

Upwind Location Description: Flare Reading: 2.2 ppm  
 Downwind Location Description: Country Club Reading: 2.1 ppm

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

**SURFACE EMISSIONS MONITORING  
CALIBRATION AND PERTINENT DATA**

Date: 7-20-22

Site Name: Mt. View

Inspector(s): Don Gibson

Instrument: TVA 2020

**WEATHER OBSERVATIONS**

Wind Speed: 1 MPH

Wind Direction: WNW

Barometric Pressure: 30.3 "Hg

Air Temperature: 57 °F

General Weather Conditions: cloudy

**CALIBRATION INFORMATION**

Pre-monitoring Calibration Precision Check

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

Instrument Serial Number: 1223

Cal Gas Concentration: 500ppm

| Trial | Zero Air Reading | Cal Gas Reading | Cal Gas Conc.-Cal Gas Reading | Response Time (seconds) |
|-------|------------------|-----------------|-------------------------------|-------------------------|
| 1     | -0.1             | 500             | 0                             | 9                       |
| 2     | -0.1             | 498             | 2                             | 4                       |
| 3     | 0                | 501             | 1                             | 3                       |

Average Difference: 1

\*Perform recalibration if average difference is greater than 10

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

$$= 100\% - \frac{1}{500} \times 100\%$$

$$= 99.8\%$$

**Span Sensitivity:**

| Trial 1:                                    | Trial 3:                                    |
|---------------------------------------------|---------------------------------------------|
| Counts Observed for the Span= <u>152168</u> | Counts Observed for the Span= <u>159256</u> |
| Counters Observed for the Zero= <u>2588</u> | Counters Observed for the Zero= <u>2566</u> |
| Trial 2:                                    |                                             |
| Counts Observed for the Span= <u>157452</u> |                                             |
| Counters Observed for the Zero= <u>2599</u> |                                             |

**Post Monitoring Calibration Check**

Zero Air Reading: 0.3 ppm

Cal Gas Reading: 529 ppm

**BACKGROUND CONCENTRATIONS CHECKS**

Upwind Location Description: Flare Reading: 2.1 ppm

Downwind Location Description: Country Club Reading: 2.4 ppm

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

**SURFACE EMISSIONS MONITORING  
CALIBRATION AND PERTINENT DATA**

Date: 7-20-22 Site Name: Mt View  
 Inspector(s): R. Warren Instrument: TVA 2020

**WEATHER OBSERVATIONS**

Wind Speed: 1 MPH Wind Direction: NNW Barometric Pressure: 30.03 "Hg  
 Air Temperature: 57 °F General Weather Conditions: cloudy

**CALIBRATION INFORMATION**

Pre-monitoring Calibration Precision Check

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

Instrument Serial Number: 4106 Cal Gas Concentration: 500ppm

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

Average Difference: 0.33  
\*Perform recalibration if average difference is greater than 10

Calibration Precision= Average Difference/Cal Gas Conc. X 100%  
 = 100% 0.33 /500 x 100%  
 = 99.93%

**Span Sensitivity:**

| Trial 1:                                    | Trial 3:                                    |
|---------------------------------------------|---------------------------------------------|
| Counts Observed for the Span= <u>176600</u> | Counts Observed for the Span= <u>178716</u> |
| Counters Observed for the Zero= <u>5535</u> | Counters Observed for the Zero= <u>5535</u> |
| Trial 2:                                    |                                             |
| Counts Observed for the Span= <u>177476</u> |                                             |
| Counters Observed for the Zero= <u>5551</u> |                                             |

**Post Monitoring Calibration Check**

Zero Air Reading: 0.1 ppm Cal Gas Reading: 534 ppm

**BACKGROUND CONCENTRATIONS CHECKS**

Upwind Location Description: Flare Reading: 2.3 ppm  
 Downwind Location Description: Country Club Reading: 2.1 ppm

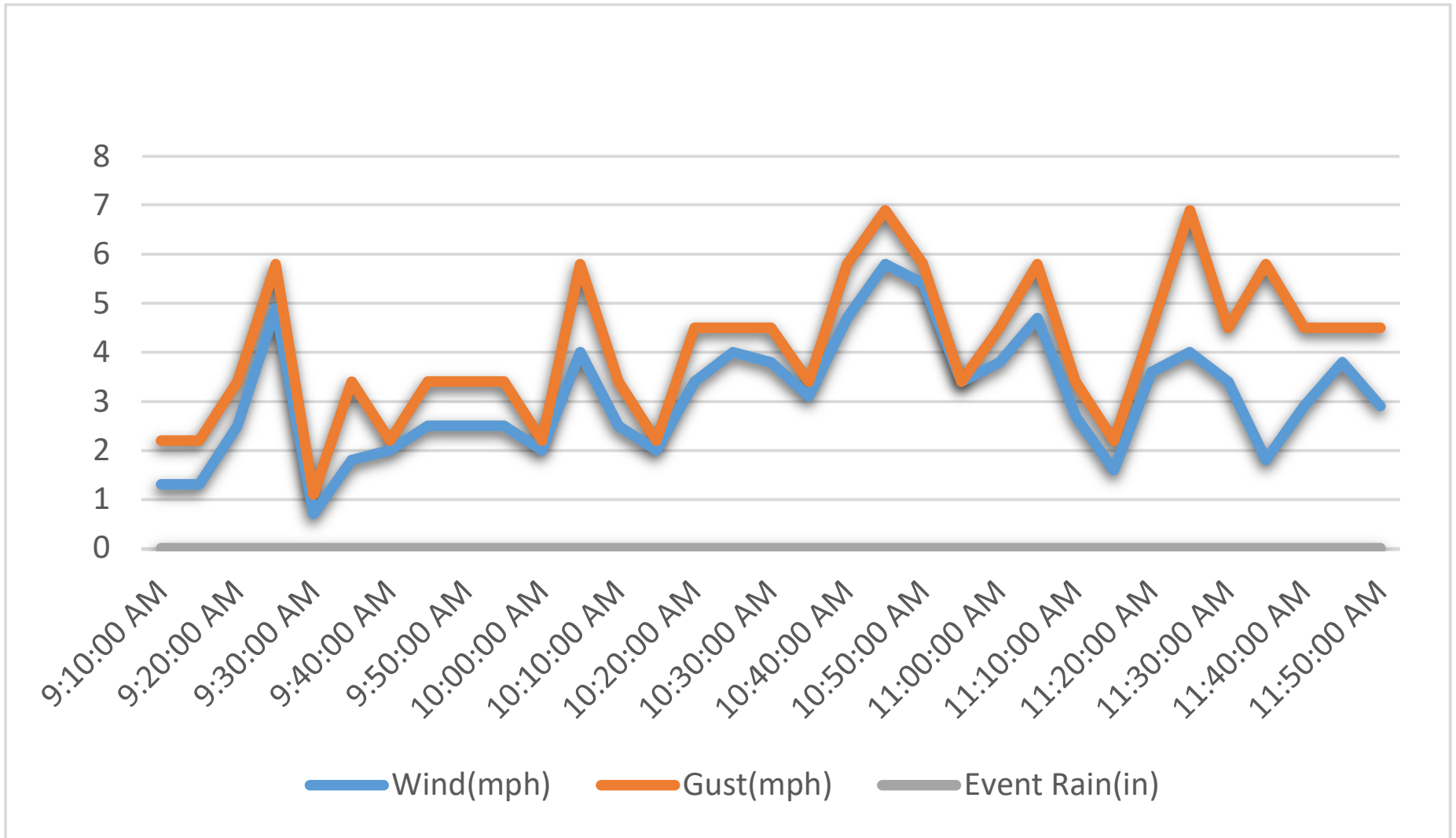
**Notes:** Wind speed averages were observed to remain below the alternative requested 10 miles per hour and no instantaneous speeds exceeded 20 miles per hour. No rainfall had occurred within the previous 24 hours of the monitoring event. Therefore, site meteorological conditions were within the requested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



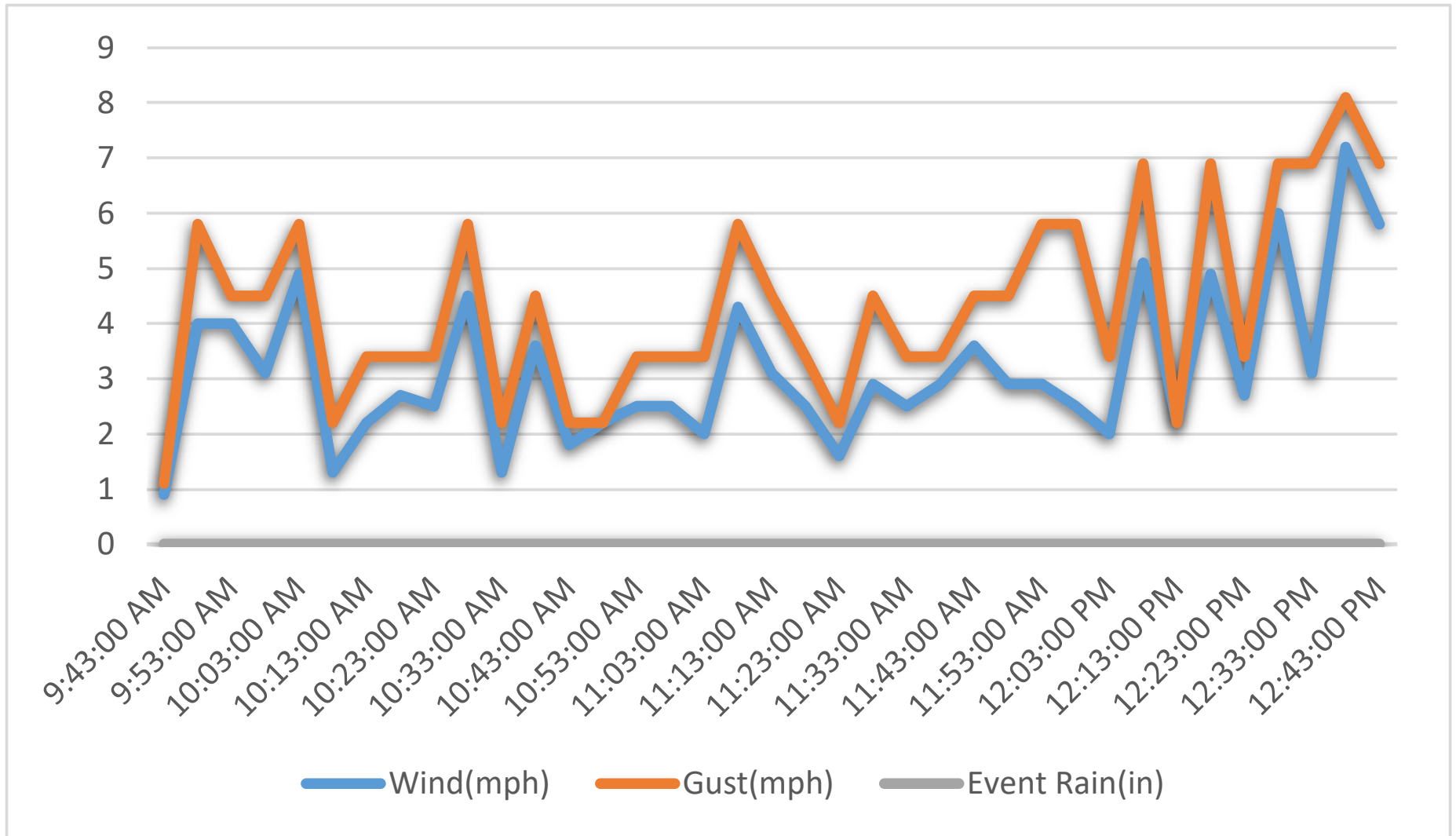
## Attachment 4

## Weather Data

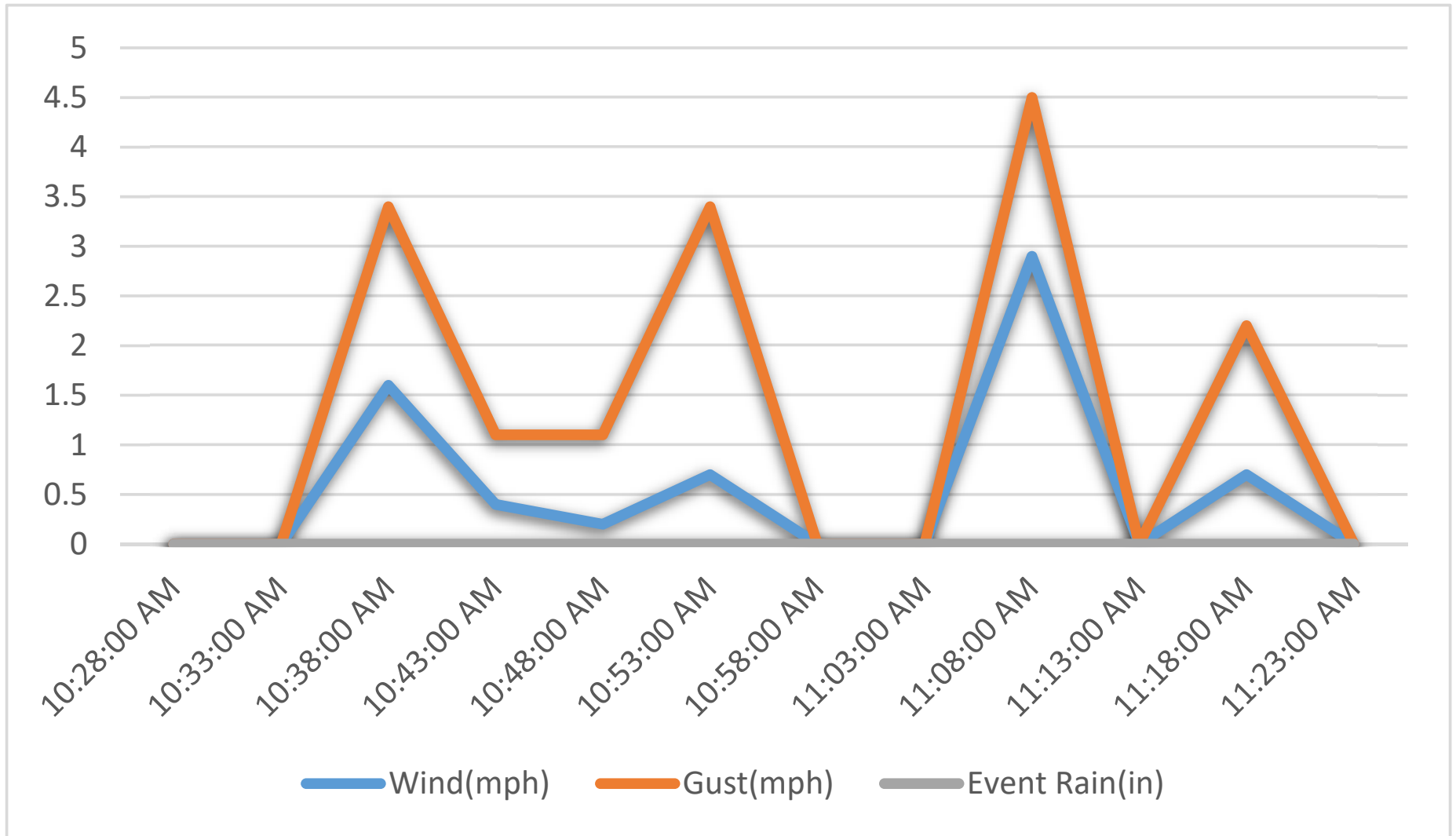
2022 Annual  
LMR Surface Emissions Monitoring Weather July 18, 2022  
City of Mountain View Shoreline Landfill, Mountain View, California



2022 Annual  
LMR Surface Emissions Monitoring Weather July 19, 2022  
City of Mountain View Shoreline Landfill, Mountain View, California



**2022 Annual**  
**LMR Surface Emissions Monitoring Weather July 20, 2022**  
**City of Mountain View Shoreline Landfill, Mountain View, California**



## Attachment 5

# Instantaneous Monitoring Results

**2022 Annual**  
**Attachment 5. Maximum LMR Instantaneous**  
**Surface Emissions Monitoring Results**  
**City of Mountain View Shoreline Landfill,**  
**Mountain View, California**

| <u><b>Back Nine</b></u> |             |             |                             |             |
|-------------------------|-------------|-------------|-----------------------------|-------------|
| <b>Grid</b>             | <b>Date</b> | <b>Time</b> | <b>Concentration (ppmv)</b> | <b>Tech</b> |
| L13                     | 7/19/2022   | 5:23        | 31.5                        | BO          |

| <u><b>Back Nine/North-Shore</b></u> |             |             |                             |             |
|-------------------------------------|-------------|-------------|-----------------------------|-------------|
| <b>Grid</b>                         | <b>Date</b> | <b>Time</b> | <b>Concentration (ppmv)</b> | <b>Tech</b> |
| A10                                 | 7/20/2022   | 08:04       | 35.10                       | RR          |

| <u><b>Crittenden</b></u> |             |             |                             |             |
|--------------------------|-------------|-------------|-----------------------------|-------------|
| <b>Grid</b>              | <b>Date</b> | <b>Time</b> | <b>Concentration (ppmv)</b> | <b>Tech</b> |
| O28                      | 7/18/2022   | 12:11       | 63.5                        | RR          |

| <u><b>Cell 6A</b></u> |             |             |                             |             |
|-----------------------|-------------|-------------|-----------------------------|-------------|
| <b>Grid</b>           | <b>Date</b> | <b>Time</b> | <b>Concentration (ppmv)</b> | <b>Tech</b> |
| D33                   | 7/19/2022   | 12:06       | 36.4                        | DR          |

| <u><b>Front Nine</b></u> |             |             |                             |             |
|--------------------------|-------------|-------------|-----------------------------|-------------|
| <b>Grid</b>              | <b>Date</b> | <b>Time</b> | <b>Concentration (ppmv)</b> | <b>Tech</b> |
| D20                      | 7/19/2022   | 07:25       | 43.5                        | DR          |

| <u><b>Vista</b></u> |             |                 |                             |             |
|---------------------|-------------|-----------------|-----------------------------|-------------|
| <b>Grid</b>         | <b>Date</b> | <b>Time</b>     | <b>Concentration (ppmv)</b> | <b>Tech</b> |
| K19 and K20         | 7/18/2022   | 10:35 and 10:36 | 5.5                         | RW          |

## Attachment 6

# Integrated Monitoring Results

## Attachment 6-A

### Back Nine Integrated Monitoring Results

#### City of Mountain View Shoreline Landfill, Mountain View, California

| Point Name   | Record Date | FID Concentration (ppm) | Comments             |
|--------------|-------------|-------------------------|----------------------|
| BackNine-K01 | 7/18/2022   | 2.03                    |                      |
| BackNine-K02 | 7/18/2022   | 2.01                    |                      |
| BackNine-K03 | 7/18/2022   | 2.00                    |                      |
| BackNine-K04 | 7/18/2022   | 2.04                    |                      |
| BackNine-K05 | 7/18/2022   | 1.94                    |                      |
| BackNine-K06 | 7/18/2022   | 1.92                    |                      |
| BackNine-K07 | 7/19/2022   | 0.95                    |                      |
| BackNine-K08 | 7/19/2022   | 1.17                    |                      |
| BackNine-K09 | 7/19/2022   | 2.53                    |                      |
| BackNine-K10 | 7/19/2022   | 3.12                    |                      |
| BackNine-K11 | 7/19/2022   | 3.87                    |                      |
| BackNine-K12 | 7/19/2022   | 7.08                    |                      |
| BackNine-K13 | 7/19/2022   | 9.39                    |                      |
|              |             |                         |                      |
| BackNine-L03 | --          | --                      | Overgrown Vegetation |
| BackNine-L04 | 7/18/2022   | 1.96                    |                      |
| BackNine-L06 | 7/18/2022   | 1.95                    |                      |
| BackNine-L07 | 7/19/2022   | 0.89                    |                      |
| BackNine-L08 | 7/19/2022   | 1.14                    |                      |
| BackNine-L09 | 7/19/2022   | 1.69                    |                      |
| BackNine-L10 | 7/19/2022   | 5.77                    |                      |
| BackNine-L11 | 7/19/2022   | 13.84                   |                      |
| BackNine-L12 | 7/19/2022   | 7.38                    |                      |
| BackNine-L13 | 7/19/2022   | 7.26                    |                      |
|              |             |                         |                      |
| BackNine-M02 | 7/18/2022   | 1.98                    |                      |
| BackNine-M04 | 7/18/2022   | 1.97                    |                      |
| BackNine-M05 | --          | --                      | Overgrown Vegetation |
| BackNine-M06 | 7/19/2022   | 0.90                    |                      |
| BackNine-M07 | 7/19/2022   | 0.83                    |                      |
| BackNine-M08 | 7/19/2022   | 0.85                    |                      |
| BackNine-M09 | 7/19/2022   | 1.09                    |                      |
| BackNine-M10 | 7/19/2022   | 1.88                    |                      |
| BackNine-M11 | 7/19/2022   | 5.89                    |                      |
| BackNine-M12 | 7/19/2022   | 11.47                   |                      |
| BackNine-M13 | 7/19/2022   | 8.24                    |                      |
|              |             |                         |                      |
| BackNine-N04 | --          | --                      | Overgrown Vegetation |
| BackNine-N05 | --          | --                      | Overgrown Vegetation |
| BackNine-N06 | 7/19/2022   | 1.03                    |                      |
| BackNine-N07 | 7/19/2022   | 1.97                    |                      |
| BackNine-N08 | 7/19/2022   | 1.09                    |                      |
| BackNine-N09 | 7/19/2022   | 1.31                    |                      |





## Attachment 6-A

### Back Nine Integrated Monitoring Results

#### City of Mountain View Shoreline Landfill, Mountain View, California

| Point Name   | Record Date | FID Concentration (ppm) | Comments |
|--------------|-------------|-------------------------|----------|
| BackNine-N10 | 7/19/2022   | 1.58                    |          |
| BackNine-N11 | 7/19/2022   | 3.41                    |          |
| BackNine-N12 | 7/19/2022   | 5.14                    |          |
| BackNine-N13 | 7/19/2022   | 5.23                    |          |
|              |             |                         |          |
| BackNine-O06 | 7/19/2022   | 0.77                    |          |
| BackNine-O07 | 7/19/2022   | 1.11                    |          |
| BackNine-O08 | 7/19/2022   | 1.01                    |          |
| BackNine-O09 | 7/19/2022   | 2.07                    |          |
| BackNine-O10 | 7/19/2022   | 1.70                    |          |
| BackNine-O11 | 7/19/2022   | 2.30                    |          |
| BackNine-O12 | 7/19/2022   | 3.23                    |          |
| BackNine-O13 | 7/19/2022   | 2.25                    |          |



## Attachment 6-B

### Back Nine/Northshore Integrated Monitoring Results

#### City of Mountain View Shoreline Landfill, Mountain View, California

| Point Name               | Record Date | FID Concentration (ppm) | Comments    |
|--------------------------|-------------|-------------------------|-------------|
| Back Nine/NorthShore-A01 | 7/18/2022   | 2.00                    |             |
| Back Nine/NorthShore-A02 | 7/18/2022   | 2.91                    |             |
| Back Nine/NorthShore-A03 | 7/18/2022   | 1.33                    |             |
| Back Nine/NorthShore-A04 | 7/18/2022   | 0.93                    |             |
| Back Nine/NorthShore-A05 | 7/18/2022   | 0.95                    |             |
| Back Nine/NorthShore-A06 | 7/18/2022   | 2.66                    |             |
| Back Nine/NorthShore-A07 | 7/19/2022   | 4.91                    |             |
| Back Nine/NorthShore-A08 | --          | --                      | Native Soil |
| Back Nine/NorthShore-A09 | 7/19/2022   | 1.11                    |             |
| Back Nine/NorthShore-A10 | 7/20/2022   | 2.19                    |             |
| Back Nine/NorthShore-A11 | 7/20/2022   | 0.76                    |             |
| Back Nine/NorthShore-A12 | 7/20/2022   | 1.20                    |             |
| Back Nine/NorthShore-A13 | 7/20/2022   | 0.68                    |             |
|                          |             |                         |             |
| Back Nine/NorthShore-B04 | 7/18/2022   | 1.07                    |             |
| Back Nine/NorthShore-B05 | 7/18/2022   | 3.10                    |             |
| Back Nine/NorthShore-B06 | 7/18/2022   | 2.72                    |             |
| Back Nine/NorthShore-B07 | 7/19/2022   | 2.00                    |             |
| Back Nine/NorthShore-B08 | --          | --                      | Native Soil |
| Back Nine/NorthShore-B09 | 7/20/2022   | 1.37                    |             |
| Back Nine/NorthShore-B10 | 7/20/2022   | 0.99                    |             |
| Back Nine/NorthShore-B11 | 7/20/2022   | 0.75                    |             |
| Back Nine/NorthShore-B12 | 7/20/2022   | 1.36                    |             |
| Back Nine/NorthShore-B13 | 7/20/2022   | 0.73                    |             |
| Back Nine/NorthShore-B14 | 7/20/2022   | 0.70                    |             |
|                          |             |                         |             |
| Back Nine/NorthShore-C11 | --          | --                      | Native Soil |
| Back Nine/NorthShore-C12 | 7/20/2022   | 1.42                    |             |
| Back Nine/NorthShore-C13 | 7/20/2022   | 0.79                    |             |
|                          |             |                         |             |
| Back Nine/NorthShore-D12 | 7/20/2022   | 1.36                    |             |
| Back Nine/NorthShore-D13 | 7/20/2022   | 0.74                    |             |
|                          |             |                         |             |
| Back Nine/NorthShore-E01 | 7/20/2022   | 1.73                    |             |
| Back Nine/NorthShore-E11 | 7/20/2022   | 0.57                    |             |
| Back Nine/NorthShore-E12 | 7/20/2022   | 0.40                    |             |
| Back Nine/NorthShore-E13 | 7/20/2022   | 0.54                    |             |
|                          |             |                         |             |
| Back Nine/NorthShore-F01 | 7/20/2022   | 1.56                    |             |
| Back Nine/NorthShore-F05 | 7/20/2022   | 1.41                    |             |
| Back Nine/NorthShore-F11 | 7/20/2022   | 0.49                    |             |
| Back Nine/NorthShore-F12 | 7/20/2022   | 0.43                    |             |



## Attachment 6-B

### Back Nine/Northshore Integrated Monitoring Results

#### City of Mountain View Shoreline Landfill, Mountain View, California

| Point Name               | Record Date | FID Concentration (ppm) | Comments |
|--------------------------|-------------|-------------------------|----------|
| Back Nine/NorthShore-F13 | 7/20/2022   | 0.54                    |          |
| Back Nine/NorthShore-G01 | 7/20/2022   | 1.64                    |          |
| Back Nine/NorthShore-G05 | 7/20/2022   | 1.41                    |          |
| Back Nine/NorthShore-G08 | 7/19/2022   | 0.80                    |          |
| Back Nine/NorthShore-G09 | 7/19/2022   | 0.67                    |          |
| Back Nine/NorthShore-G10 | 7/19/2022   | 0.74                    |          |
| Back Nine/NorthShore-G11 | 7/20/2022   | 0.51                    |          |
| Back Nine/NorthShore-G12 | 7/20/2022   | 0.43                    |          |
| Back Nine/NorthShore-G13 | 7/19/2022   | 1.05                    |          |
| Back Nine/NorthShore-H01 | 7/20/2022   | 1.75                    |          |
| Back Nine/NorthShore-H06 | 7/19/2022   | 0.81                    |          |
| Back Nine/NorthShore-H07 | 7/19/2022   | 0.81                    |          |
| Back Nine/NorthShore-H08 | 7/19/2022   | 0.84                    |          |
| Back Nine/NorthShore-H09 | 7/19/2022   | 0.68                    |          |
| Back Nine/NorthShore-H10 | 7/19/2022   | 0.60                    |          |
| Back Nine/NorthShore-H11 | 7/20/2022   | 0.51                    |          |
| Back Nine/NorthShore-H12 | 7/19/2022   | 1.02                    |          |
| Back Nine/NorthShore-H13 | 7/19/2022   | 1.07                    |          |
| Back Nine/NorthShore-I01 | 7/19/2022   | 1.76                    |          |
| Back Nine/NorthShore-I02 | 7/20/2022   | 1.80                    |          |
| Back Nine/NorthShore-I04 | 7/20/2022   | 1.95                    |          |
| Back Nine/NorthShore-I05 | 7/20/2022   | 1.47                    |          |
| Back Nine/NorthShore-I06 | 7/19/2022   | 1.74                    |          |
| Back Nine/NorthShore-I07 | 7/19/2022   | 1.41                    |          |
| Back Nine/NorthShore-I08 | 7/19/2022   | 1.16                    |          |
| Back Nine/NorthShore-I09 | 7/19/2022   | 2.16                    |          |
| Back Nine/NorthShore-I10 | 7/19/2022   | 0.66                    |          |
| Back Nine/NorthShore-I11 | 7/20/2022   | 0.64                    |          |
| Back Nine/NorthShore-I12 | 7/19/2022   | 1.23                    |          |
| Back Nine/NorthShore-I13 | 7/19/2022   | 1.27                    |          |
| Back Nine/NorthShore-J01 | 7/19/2022   | 1.81                    |          |
| Back Nine/NorthShore-J02 | 7/20/2022   | 2.07                    |          |
| Back Nine/NorthShore-J04 | 7/20/2022   | 1.99                    |          |
| Back Nine/NorthShore-J05 | 7/20/2022   | 1.28                    |          |
| Back Nine/NorthShore-J06 | 7/19/2022   | 0.83                    |          |
| Back Nine/NorthShore-J07 | 7/19/2022   | 0.98                    |          |
| Back Nine/NorthShore-J08 | 7/19/2022   | 1.22                    |          |
| Back Nine/NorthShore-J09 | 7/19/2022   | 1.48                    |          |
| Back Nine/NorthShore-J10 | 7/19/2022   | 1.10                    |          |



## Attachment 6-B

### Back Nine/Northshore Integrated Monitoring Results

#### City of Mountain View Shoreline Landfill, Mountain View, California

| Point Name               | Record Date | FID Concentration (ppm) | Comments |
|--------------------------|-------------|-------------------------|----------|
| Back Nine/NorthShore-J11 | 7/19/2022   | 0.77                    |          |
| Back Nine/NorthShore-J12 | 7/19/2022   | 0.96                    |          |
| Back Nine/NorthShore-J13 | 7/19/2022   | 2.16                    |          |



## Attachment 6-C

### Crittenden Integrated Monitoring Results

#### City of Mountain View Shoreline Landfill, Mountain View, California

| Point Name     | Record Date | FID Concentration (ppm) | Comments             |
|----------------|-------------|-------------------------|----------------------|
| Crittenden-K29 | 7/18/2022   | 1.28                    |                      |
| Crittenden-K30 | 7/18/2022   | 1.54                    |                      |
| Crittenden-K31 | 7/18/2022   | 1.67                    |                      |
| Crittenden-K32 | 7/18/2022   | 1.06                    |                      |
|                |             |                         |                      |
| Crittenden-L29 | 7/18/2022   | 1.14                    |                      |
| Crittenden-L30 | 7/18/2022   | 1.95                    |                      |
| Crittenden-L31 | 7/18/2022   | 1.82                    |                      |
| Crittenden-L32 | 7/18/2022   | 1.05                    |                      |
|                |             |                         |                      |
| Crittenden-M28 | 7/18/2022   | 1.40                    |                      |
| Crittenden-M29 | 7/18/2022   | 1.50                    |                      |
| Crittenden-M30 | 7/18/2022   | 2.17                    |                      |
| Crittenden-M31 | 7/18/2022   | 1.35                    |                      |
| Crittenden-M32 | 7/18/2022   | 1.53                    |                      |
|                |             |                         |                      |
| Crittenden-N27 | 7/18/2022   | 1.19                    |                      |
| Crittenden-N28 | 7/18/2022   | 1.32                    |                      |
| Crittenden-N29 | 7/18/2022   | 1.70                    |                      |
| Crittenden-N30 | 7/18/2022   | 1.75                    |                      |
| Crittenden-N31 | 7/18/2022   | 1.55                    |                      |
| Crittenden-N32 | 7/18/2022   | 1.26                    |                      |
|                |             |                         |                      |
| Crittenden-O26 | --          | --                      | Overgrown Vegetation |
| Crittenden-O27 | 7/18/2022   | 1.75                    |                      |
| Crittenden-O28 | 7/18/2022   | 8.18                    |                      |
| Crittenden-O29 | 7/18/2022   | 1.67                    |                      |
| Crittenden-O30 | 7/18/2022   | 1.52                    |                      |
| Crittenden-O31 | 7/18/2022   | 1.96                    |                      |



## Attachment 6-D

### Cell6A Integrated Monitoring Results

#### City of Mountain View Shoreline Landfill, Mountain View, California

| Point Name  | Record Date | FID Concentration (ppm) | Comments |
|-------------|-------------|-------------------------|----------|
| Cell 6A-A25 | 7/19/2022   | 1.38                    |          |
| Cell 6A-A27 | 7/19/2022   | 1.34                    |          |
| Cell 6A-A28 | 7/19/2022   | 2.11                    |          |
| Cell 6A-A29 | 7/19/2022   | 2.28                    |          |
| Cell 6A-A30 | 7/19/2022   | 1.64                    |          |
| Cell 6A-A31 | 7/19/2022   | 1.63                    |          |
| Cell 6A-A32 | 7/19/2022   | 2.60                    |          |
| Cell 6A-A33 | 7/19/2022   | 3.03                    |          |
|             |             |                         |          |
| Cell 6A-B16 | --          | --                      | Marsh    |
| Cell 6A-B17 | --          | --                      | Marsh    |
| Cell 6A-B18 | --          | --                      | Marsh    |
| Cell 6A-B19 | --          | --                      | Marsh    |
| Cell 6A-B20 | 7/19/2022   | 0.97                    |          |
| Cell 6A-B21 | 7/20/2022   | 1.72                    |          |
| Cell 6A-B23 | 7/20/2022   | 1.89                    |          |
| Cell 6A-B25 | 7/19/2022   | 1.38                    |          |
| Cell 6A-B26 | 7/19/2022   | 1.31                    |          |
| Cell 6A-B27 | 7/19/2022   | 1.35                    |          |
| Cell 6A-B28 | 7/19/2022   | 2.12                    |          |
| Cell 6A-B29 | 7/19/2022   | 2.29                    |          |
| Cell 6A-B30 | 7/19/2022   | 1.64                    |          |
| Cell 6A-B31 | 7/19/2022   | 1.65                    |          |
| Cell 6A-B32 | 7/19/2022   | 2.45                    |          |
| Cell 6A-B33 | 7/19/2022   | 2.46                    |          |
| Cell 6A-B34 | 7/19/2022   | 0.65                    |          |
|             |             |                         |          |
| Cell 6A-C16 | --          | --                      | Marsh    |
| Cell 6A-C17 | --          | --                      | Marsh    |
| Cell 6A-C18 | 7/19/2022   | 0.88                    |          |
| Cell 6A-C19 | 7/19/2022   | 0.92                    |          |
| Cell 6A-C26 | 7/19/2022   | 1.31                    |          |
| Cell 6A-C27 | 7/19/2022   | 1.27                    |          |
| Cell 6A-C28 | 7/19/2022   | 2.11                    |          |
| Cell 6A-C29 | 7/19/2022   | 2.28                    |          |
| Cell 6A-C30 | 7/19/2022   | 1.69                    |          |
| Cell 6A-C31 | 7/19/2022   | 1.66                    |          |
| Cell 6A-C32 | 7/19/2022   | 2.31                    |          |
| Cell 6A-C33 | 7/19/2022   | 2.52                    |          |
| Cell 6A-C34 | 7/19/2022   | 0.70                    |          |
|             |             |                         |          |
| Cell 6A-D16 | 7/20/2022   | 1.30                    |          |



## Attachment 6-D

### Cell6A Integrated Monitoring Results

#### City of Mountain View Shoreline Landfill, Mountain View, California

| Point Name  | Record Date | FID Concentration (ppm) | Comments    |
|-------------|-------------|-------------------------|-------------|
| Cell 6A-D17 | 7/20/2022   | 1.32                    |             |
| Cell 6A-D18 | 7/19/2022   | 0.92                    |             |
| Cell 6A-D27 | 7/19/2022   | 1.16                    |             |
| Cell 6A-D28 | 7/19/2022   | 2.11                    |             |
| Cell 6A-D29 | 7/19/2022   | 2.30                    |             |
| Cell 6A-D30 | 7/19/2022   | 1.66                    |             |
| Cell 6A-D31 | 7/19/2022   | 1.67                    |             |
| Cell 6A-D32 | 7/19/2022   | 2.26                    |             |
| Cell 6A-D33 | 7/19/2022   | 7.58                    |             |
| Cell 6A-D34 | 7/19/2022   | 2.39                    |             |
|             |             |                         |             |
| Cell 6A-E14 | 7/20/2022   | 1.62                    |             |
| Cell 6A-E15 | 7/20/2022   | 1.60                    |             |
| Cell 6A-E16 | 7/20/2022   | 1.31                    |             |
| Cell 6A-E17 | 7/20/2022   | 1.45                    |             |
| Cell 6A-E27 | 7/19/2022   | 1.19                    |             |
| Cell 6A-E28 | 7/19/2022   | 2.13                    |             |
| Cell 6A-E29 | 7/19/2022   | 2.29                    |             |
| Cell 6A-E30 | 7/19/2022   | 1.31                    |             |
| Cell 6A-E31 | 7/19/2022   | 1.27                    |             |
| Cell 6A-E32 | 7/19/2022   | 2.19                    |             |
| Cell 6A-E33 | 7/19/2022   | 3.62                    |             |
| Cell 6A-E34 | 7/19/2022   | 1.28                    |             |
|             |             |                         |             |
| Cell 6A-F27 | --          | --                      | Native Soil |
| Cell 6A-F28 | 7/19/2022   | 2.09                    |             |
| Cell 6A-F29 | 7/19/2022   | 2.10                    |             |
| Cell 6A-F30 | 7/19/2022   | 1.32                    |             |
| Cell 6A-F31 | --          | --                      | Native Soil |
| Cell 6A-F32 | 7/19/2022   | 2.32                    |             |
| Cell 6A-F33 | 7/19/2022   | 1.83                    |             |
| Cell 6A-F34 | 7/19/2022   | 1.16                    |             |
| Cell 6A-F35 | 7/19/2022   | 1.37                    |             |
|             |             |                         |             |
| Cell 6A-G26 | --          | --                      | Native Soil |
| Cell 6A-G27 | --          | --                      | Native Soil |
| Cell 6A-G28 | 7/19/2022   | 2.13                    |             |
| Cell 6A-G29 | 7/19/2022   | 2.10                    |             |
| Cell 6A-G30 | 7/19/2022   | 1.33                    |             |
| Cell 6A-G31 | --          | --                      | Native Soil |
| Cell 6A-G32 | 7/19/2022   | 2.18                    |             |
| Cell 6A-G33 | 7/19/2022   | 2.20                    |             |



## Attachment 6-D

### Cell6A Integrated Monitoring Results

#### City of Mountain View Shoreline Landfill, Mountain View, California

| Point Name  | Record Date | FID Concentration (ppm) | Comments             |
|-------------|-------------|-------------------------|----------------------|
| Cell 6A-G34 | 7/19/2022   | 0.98                    |                      |
| Cell 6A-G35 | 7/19/2022   | 1.37                    |                      |
| Cell 6A-H26 | --          | --                      | Native Soil          |
| Cell 6A-H27 | --          | --                      | Native Soil          |
| Cell 6A-H28 | 7/19/2022   | 2.19                    |                      |
| Cell 6A-H29 | 7/19/2022   | 2.17                    |                      |
| Cell 6A-H30 | --          | --                      | Overgrown Vegetation |
| Cell 6A-H31 | --          | --                      | Native Soil          |
| Cell 6A-H32 | 7/19/2022   | 2.49                    |                      |
| Cell 6A-H33 | 7/19/2022   | 1.54                    |                      |
| Cell 6A-H34 | 7/19/2022   | 0.87                    |                      |
| Cell 6A-H35 | 7/19/2022   | 1.09                    |                      |
| Cell 6A-I26 | --          | --                      | Native Soil          |
| Cell 6A-I27 | --          | --                      | Native Soil          |
| Cell 6A-I28 | --          | --                      | Native Soil          |
| Cell 6A-I29 | --          | --                      | Native Soil          |
| Cell 6A-I30 | --          | --                      | Native Soil          |
| Cell 6A-I31 | --          | --                      | Native Soil          |
| Cell 6A-I32 | --          | --                      | Native Soil          |
| Cell 6A-I33 | --          | --                      | Native Soil          |
| Cell 6A-I34 | --          | --                      | Native Soil          |
| Cell 6A-I35 | --          | --                      | Native Soil          |
| Cell 6A-I36 | 7/19/2022   | 0.59                    |                      |
| Cell 6A-J25 | --          | --                      | Native Soil          |
| Cell 6A-J26 | --          | --                      | Native Soil          |
| Cell 6A-J27 | --          | --                      | Native Soil          |
| Cell 6A-J28 | --          | --                      | Native Soil          |
| Cell 6A-J29 | --          | --                      | Native Soil          |
| Cell 6A-J30 | --          | --                      | Native Soil          |
| Cell 6A-J31 | --          | --                      | Native Soil          |
| Cell 6A-J32 | --          | --                      | Native Soil          |
| Cell 6A-J33 | --          | --                      | Native Soil          |
| Cell 6A-J34 | --          | --                      | Native Soil          |
| Cell 6A-J35 | --          | --                      | Native Soil          |
| Cell 6A-J36 | 7/19/2022   | 1.29                    |                      |





## Attachment 6-E

### Front Nine Integrated Monitoring Results

#### City of Mountain View Shoreline Landfill, Mountain View, California

| Point Name     | Record Date | FID Concentration (ppm) | Comments |
|----------------|-------------|-------------------------|----------|
| Front Nine-C21 | 7/19/2022   | 0.90                    |          |
| Front Nine-C22 | 7/19/2022   | 0.83                    |          |
| Front Nine-C23 | 7/19/2022   | 0.79                    |          |
| Front Nine-C24 | 7/19/2022   | 0.84                    |          |
|                |             |                         |          |
| Front Nine-D19 | 7/19/2022   | 2.40                    |          |
| Front Nine-D20 | 7/19/2022   | 2.56                    |          |
| Front Nine-D21 | 7/19/2022   | 0.72                    |          |
| Front Nine-D22 | 7/19/2022   | 0.85                    |          |
| Front Nine-D23 | 7/19/2022   | 0.77                    |          |
| Front Nine-D24 | 7/19/2022   | 0.90                    |          |
| Front Nine-D25 | 7/19/2022   | 0.73                    |          |
|                |             |                         |          |
| Front Nine-E18 | 7/19/2022   | 2.14                    |          |
| Front Nine-E19 | 7/19/2022   | 2.67                    |          |
| Front Nine-E20 | 7/19/2022   | 0.65                    |          |
| Front Nine-E21 | 7/19/2022   | 0.95                    |          |
| Front Nine-E22 | 7/19/2022   | 1.16                    |          |
| Front Nine-E23 | 7/19/2022   | 1.30                    |          |
| Front Nine-E24 | 7/19/2022   | 1.04                    |          |
| Front Nine-E25 | 7/19/2022   | 2.42                    |          |
| Front Nine-E26 | 7/19/2022   | 1.10                    |          |
|                |             |                         |          |
| Front Nine-F17 | 7/19/2022   | 1.64                    |          |
| Front Nine-F18 | 7/19/2022   | 1.86                    |          |
| Front Nine-F19 | 7/19/2022   | 3.68                    |          |
| Front Nine-F20 | 7/19/2022   | 0.59                    |          |
| Front Nine-F21 | 7/19/2022   | 0.80                    |          |
| Front Nine-F22 | 7/19/2022   | 1.20                    |          |
| Front Nine-F23 | 7/19/2022   | 1.31                    |          |
| Front Nine-F24 | 7/19/2022   | 1.10                    |          |
| Front Nine-F25 | 7/19/2022   | 0.98                    |          |
|                |             |                         |          |
| Front Nine-G14 | 7/19/2022   | 1.10                    |          |
| Front Nine-G15 | 7/19/2022   | 1.53                    |          |
| Front Nine-G16 | 7/19/2022   | 1.41                    |          |
| Front Nine-G17 | 7/19/2022   | 1.44                    |          |
| Front Nine-G18 | 7/19/2022   | 1.78                    |          |
| Front Nine-G19 | 7/19/2022   | 3.61                    |          |
| Front Nine-G20 | 7/19/2022   | 0.59                    |          |
| Front Nine-G21 | 7/19/2022   | 0.84                    |          |
| Front Nine-G22 | 7/19/2022   | 1.27                    |          |
| Front Nine-G23 | 7/19/2022   | 1.07                    |          |



## Attachment 6-E

### Front Nine Integrated Monitoring Results

#### City of Mountain View Shoreline Landfill, Mountain View, California

| Point Name     | Record Date | FID Concentration (ppm) | Comments |
|----------------|-------------|-------------------------|----------|
| Front Nine-G24 | 7/19/2022   | 1.40                    |          |
| Front Nine-G25 | 7/19/2022   | 0.75                    |          |
|                |             |                         |          |
| Front Nine-H14 | 7/20/2022   | 0.96                    |          |
| Front Nine-H15 | 7/20/2022   | 0.96                    |          |
| Front Nine-H16 | 7/20/2022   | 0.96                    |          |
| Front Nine-H17 | 7/19/2022   | 1.39                    |          |
| Front Nine-H18 | 7/19/2022   | 1.70                    |          |
| Front Nine-H20 | 7/19/2022   | 0.94                    |          |
| Front Nine-H21 | 7/19/2022   | 0.85                    |          |
| Front Nine-H22 | 7/19/2022   | 0.96                    |          |
| Front Nine-H23 | 7/19/2022   | 2.15                    |          |
| Front Nine-H24 | 7/19/2022   | 1.19                    |          |
| Front Nine-H25 | 7/19/2022   | 0.77                    |          |
|                |             |                         |          |
| Front Nine-I14 | 7/19/2022   | 1.05                    |          |
| Front Nine-I17 | 7/19/2022   | 0.99                    |          |
| Front Nine-I18 | 7/19/2022   | 1.01                    |          |
| Front Nine-I19 | 7/19/2022   | 0.95                    |          |
| Front Nine-I20 | 7/19/2022   | 0.88                    |          |
| Front Nine-I22 | 7/19/2022   | 0.97                    |          |
| Front Nine-I23 | 7/19/2022   | 3.02                    |          |
| Front Nine-I24 | 7/19/2022   | 1.87                    |          |
| Front Nine-I25 | 7/19/2022   | 0.81                    |          |
|                |             |                         |          |
| Front Nine-J14 | 7/19/2022   | 1.04                    |          |
| Front Nine-J15 | 7/19/2022   | 1.02                    |          |
| Front Nine-J16 | 7/19/2022   | 0.95                    |          |
| Front Nine-J17 | 7/19/2022   | 0.97                    |          |
| Front Nine-J18 | 7/19/2022   | 0.93                    |          |
| Front Nine-J19 | 7/19/2022   | 0.90                    |          |
| Front Nine-J20 | 7/19/2022   | 0.89                    |          |
| Front Nine-J21 | 7/19/2022   | 0.90                    |          |
| Front Nine-J22 | 7/19/2022   | 3.06                    |          |
| Front Nine-J23 | 7/19/2022   | 1.72                    |          |
| Front Nine-J24 | 7/19/2022   | 1.51                    |          |
|                |             |                         |          |
| Front Nine-S01 | 7/20/2022   | 1.36                    |          |
| Front Nine-S02 | 7/20/2022   | 1.44                    |          |
| Front Nine-S03 | 7/20/2022   | 1.44                    |          |
| Front Nine-S04 | 7/20/2022   | 1.39                    |          |
| Front Nine-S05 | 7/20/2022   | 1.36                    |          |
| Front Nine-S06 | 7/20/2022   | 1.51                    |          |



## Attachment 6-E

### Front Nine Integrated Monitoring Results

#### City of Mountain View Shoreline Landfill, Mountain View, California

| Point Name     | Record Date | FID Concentration (ppm) | Comments |
|----------------|-------------|-------------------------|----------|
| Front Nine-S07 | 7/20/2022   | 1.63                    |          |
| Front Nine-S08 | 7/20/2022   | 1.62                    |          |
| Front Nine-S09 | 7/20/2022   | 2.05                    |          |
| Front Nine-S10 | 7/20/2022   | 1.80                    |          |
| Front Nine-S11 | 7/20/2022   | 1.61                    |          |



**Attachment 6-F**  
**Vista Integrated Monitoring Results**  
**City of Mountain View Shoreline Landfill, Mountain View, California**

| Point Name | Record Date | FID Concentration (ppm) | Comments             |
|------------|-------------|-------------------------|----------------------|
| Vista-K14  | 7/18/2022   | 0.63                    |                      |
| Vista-K15  | 7/18/2022   | 0.67                    |                      |
| Vista-K16  | 7/18/2022   | 0.77                    |                      |
| Vista-K17  | 7/18/2022   | 0.89                    |                      |
| Vista-K18  | 7/18/2022   | 1.61                    |                      |
| Vista-K19  | 7/18/2022   | 2.32                    |                      |
| Vista-K20  | 7/18/2022   | 2.10                    |                      |
| Vista-K21  | 7/18/2022   | 2.08                    |                      |
| Vista-K22  | 7/18/2022   | 1.88                    |                      |
|            |             |                         |                      |
| Vista-L14  | 7/18/2022   | 0.58                    |                      |
| Vista-L15  | 7/18/2022   | 0.65                    |                      |
| Vista-L16  | 7/18/2022   | 0.76                    |                      |
| Vista-L17  | 7/18/2022   | 0.86                    |                      |
| Vista-L18  | 7/18/2022   | 1.51                    |                      |
| Vista-L19  | 7/18/2022   | 1.99                    |                      |
| Vista-L20  | --          | --                      | Overgrown Vegetation |
| Vista-L21  | --          | --                      | Overgrown Vegetation |
|            |             |                         |                      |
| Vista-M14  | 7/18/2022   | 0.59                    |                      |
| Vista-M15  | 7/18/2022   | 0.64                    |                      |
| Vista-M16  | 7/18/2022   | 0.75                    |                      |
| Vista-M17  | 7/18/2022   | 0.86                    |                      |
| Vista-M18  | 7/18/2022   | 1.46                    |                      |
| Vista-M19  | 7/18/2022   | 1.98                    |                      |
| Vista-M20  | --          | --                      | Overgrown Vegetation |
|            |             |                         |                      |
| Vista-N14  | 7/18/2022   | 0.58                    |                      |
| Vista-N15  | 7/18/2022   | 0.65                    |                      |
| Vista-N16  | 7/18/2022   | 0.74                    |                      |
| Vista-N17  | 7/18/2022   | 0.86                    |                      |
| Vista-N18  | 7/18/2022   | 1.62                    |                      |
| Vista-N19  | 7/18/2022   | 1.94                    |                      |
| Vista-N20  | 7/18/2022   | 1.86                    |                      |
|            |             |                         |                      |
| Vista-O14  | 7/18/2022   | 0.59                    |                      |
| Vista-O15  | 7/18/2022   | 0.66                    |                      |
| Vista-O16  | 7/18/2022   | 0.73                    |                      |
| Vista-O17  | 7/18/2022   | 0.86                    |                      |
| Vista-O18  | 7/18/2022   | 1.39                    |                      |
| Vista-O19  | 7/18/2022   | 1.90                    |                      |
| Vista-O20  | 7/18/2022   | 1.85                    |                      |
|            |             |                         |                      |
| Vista-P15  | 7/18/2022   | 0.64                    |                      |
| Vista-P16  | 7/18/2022   | 0.72                    |                      |
| Vista-P17  | 7/18/2022   | 0.85                    |                      |
| Vista-P18  | 7/18/2022   | 1.33                    |                      |
| Vista-P19  | 7/18/2022   | 1.93                    |                      |
| Vista-P20  | 7/18/2022   | 1.81                    |                      |
| Vista-P21  | 7/18/2022   | 1.84                    |                      |



**Attachment 6-F**  
**Vista Integrated Monitoring Results**  
**City of Mountain View Shoreline Landfill, Mountain View, California**

| Point Name | Record Date | FID Concentration (ppm) | Comments |
|------------|-------------|-------------------------|----------|
| Vista-Q15  | 7/18/2022   | 0.65                    |          |
| Vista-Q16  | 7/18/2022   | 0.81                    |          |
| Vista-Q17  | 7/18/2022   | 0.87                    |          |
| Vista-Q18  | 7/18/2022   | 1.21                    |          |
| Vista-Q19  | 7/18/2022   | 1.92                    |          |
| Vista-Q20  | 7/18/2022   | 1.83                    |          |
| Vista-Q21  | 7/18/2022   | 1.83                    |          |
| Vista-R17  | 7/18/2022   | 1.19                    |          |
| Vista-R20  | 7/18/2022   | 1.89                    |          |



## Attachment 7

### Positive Pressure Monitoring Results

**2022 Annual  
Attachment 7. LMR Positive Pressure  
Monitoring Results  
City of Mountain View Shoreline Landfill,  
Mountain View, California**

**Pressurized Pipe and Component Results**

| <b><u>Micro-turbine</u></b> |                  |              |                                 |
|-----------------------------|------------------|--------------|---------------------------------|
| <b>Location</b>             | <b>Date</b>      | <b>Time</b>  | <b>Concentration<br/>(ppmv)</b> |
| <i>Micro-turbine</i>        | <i>7/20/2022</i> | <i>13:31</i> | <i>8.80</i>                     |

| <b><u>Flare Station</u></b> |                  |             |                                 |
|-----------------------------|------------------|-------------|---------------------------------|
| <b>Location</b>             | <b>Date</b>      | <b>Time</b> | <b>Concentration<br/>(ppmv)</b> |
| <i>Flare Station</i>        | <i>7/20/2022</i> | <i>7:11</i> | <i>184</i>                      |

# QUARTERLY COMPONENT CHECK



**CITY OF MOUNTAIN VIEW  
SHORELINE LANDFILL, FACILITY ID A2740  
QUARTERLY COMPONENT CHECK  
January 1 - June 30, 2023**

**FLARE STATION COMPONENT CHECK**

| Date      | Location*     | Leaks Detected -<br>Above Regulatory limits |
|-----------|---------------|---------------------------------------------|
| 1/27/2023 | Flare Station | No                                          |
| 4/28/2023 | Flare Station | No                                          |

**MICROTURBINE COMPONENT CHECK**

| Date      | Location*                  | Leaks Detected -<br>Above Regulatory limits |
|-----------|----------------------------|---------------------------------------------|
| 1/27/2023 | Flare Station (S-16)       | No                                          |
| 1/27/2023 | Sewage Pump Station (S-17) | No                                          |
| 4/28/2023 | Flare Station (S-16)       | No                                          |
| 4/28/2023 | Sewage Pump Station (S-17) | No                                          |

**LFG FIELD COMPONENT CHECK**

| Date      | Location*        | Leaks Detected -<br>Above Regulatory limits |
|-----------|------------------|---------------------------------------------|
| 1/25/2023 | Vista            | No                                          |
| 1/25/2023 | Back Nine        | No                                          |
| 2/21/2023 | 6 Acre Northeast | No                                          |
| 2/22/2023 | Front Nine       | No                                          |
| 3/7/2023  | Crittenden       | No                                          |
| 3/7/2023  | North Shore      | No                                          |
| 4/28/2023 | Vista            | No                                          |
| 4/28/2023 | Back Nine        | No                                          |
| 5/16/2023 | Front Nine       | No                                          |
| 5/16/2023 | 6 Acre Northeast | No                                          |
| 7/11/2023 | North Shore      | No                                          |
| 7/17/2023 | Crittenden       | No                                          |

**FLARE STATION COMPONENT LEAK CHECK FORM  
CITY OF MOUNTAIN VIEW**

DATE: 1/27/23

Signature [Handwritten Signature]

**Leak Detected:**

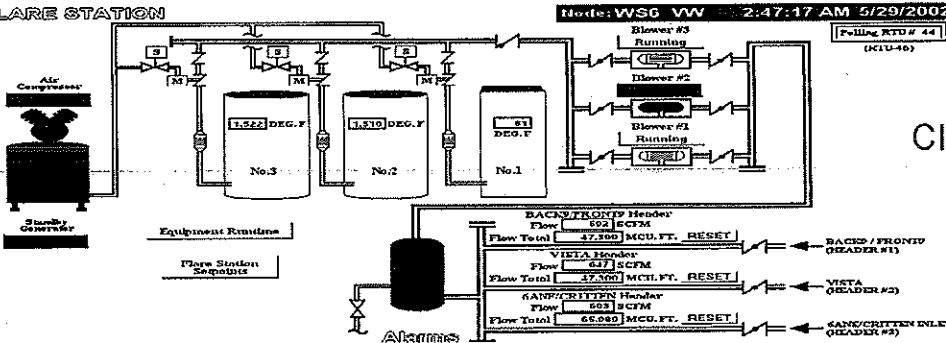
NO  YES If Yes, Concentration Above Background (ppm) \_\_\_\_\_  
(If form completed in response to landfill gas collection and emissions control system leak, repair must be completed within 7 calendar days, and completed form must be returned to EEC for two-year retention.)

DATE: Identified \_\_\_\_\_ Started \_\_\_\_\_  
Completed \_\_\_\_\_

**ENGR. & ENVIRONMENTAL  
COMPLIANCE DIVISION**

**COMPONENT:**  
FLARE STATION

**OTHER IDENTIFYING INFORMATION**



CITY OF MOUNTAIN VIEW

- V
- V
- V
- CT1
- CT2
- CT3

Alarm Sum Alarm Rst Print Green  
Landfill Map Screens Menu

**DESCRIPTION/ PROCEDURE FOR THE REPAIR:** \_\_\_\_\_  
\_\_\_\_\_

**COLLECTION SYSTEM SHUTDOWN:** \_\_\_\_\_

**LENGTH OF SHUTDOWN:** \_\_\_\_\_

**PERSONNEL:** \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**ATTACHMENT:** Map \_\_\_\_\_  
Photograph \_\_\_\_\_  
Other \_\_\_\_\_

**COMMENTS:** \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**SULFUR PPM:** \_\_\_\_\_

**H<sub>2</sub>S PPM:** \_\_\_\_\_

**FLARE STATION COMPONENT LEAK CHECK FORM  
CITY OF MOUNTAIN VIEW**

DATE: 4/29/23

Signature [Signature]

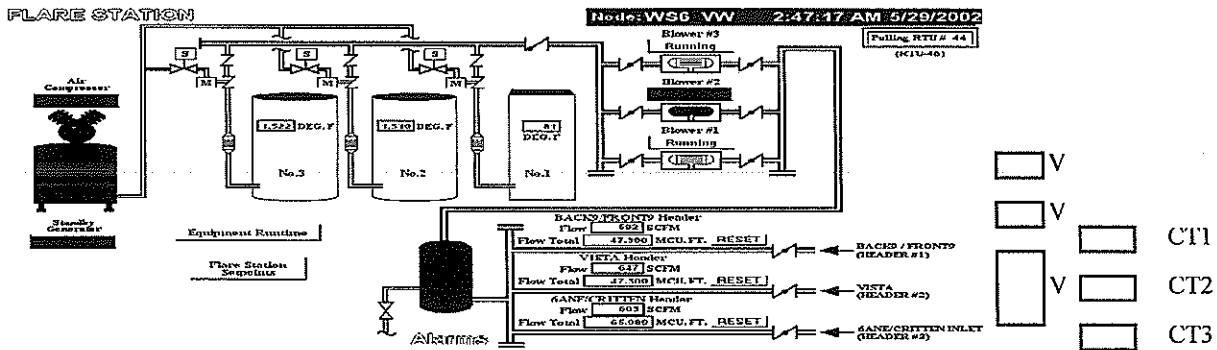
**Leak Detected:**

X NO \_\_\_\_\_ YES \_\_\_\_\_ If Yes, Concentration Above Background (ppm) \_\_\_\_\_  
(If form completed in response to landfill gas collection and emissions control system leak, repair must be completed within 7 calendar days, and completed form must be returned to EEC for two-year retention.)

DATE: Identified \_\_\_\_\_ Started \_\_\_\_\_  
Completed \_\_\_\_\_

**COMPONENT:**

**OTHER IDENTIFYING INFORMATION**



Time: 5/29/2002 2:47:17 AM Node: WS6-VW Alarm: 44 (K1U-40)

**DESCRIPTION/ PROCEDURE FOR THE REPAIR:** \_\_\_\_\_

**COLLECTION SYSTEM SHUTDOWN:** \_\_\_\_\_

**LENGTH OF SHUTDOWN:** \_\_\_\_\_

**ENGR. & ENVIRONMENTAL  
COMPLIANCE DIVISION**

**PERSONNEL:** \_\_\_\_\_

**ATTACHMENT:** Map \_\_\_\_\_

APR 28 2023

Photograph \_\_\_\_\_

Other \_\_\_\_\_

**COMMENTS:** \_\_\_\_\_

**CITY OF MOUNTAIN VIEW**

**SULFUR PPM:** \_\_\_\_\_

**H<sub>2</sub>S PPM:** \_\_\_\_\_

CITY OF MOUNTAIN VIEW

MICROTURBINE COMPONENT LEAK CHECK FORM AT FLARE STATION

DATE: 1/27/23

Signature: [Signature]

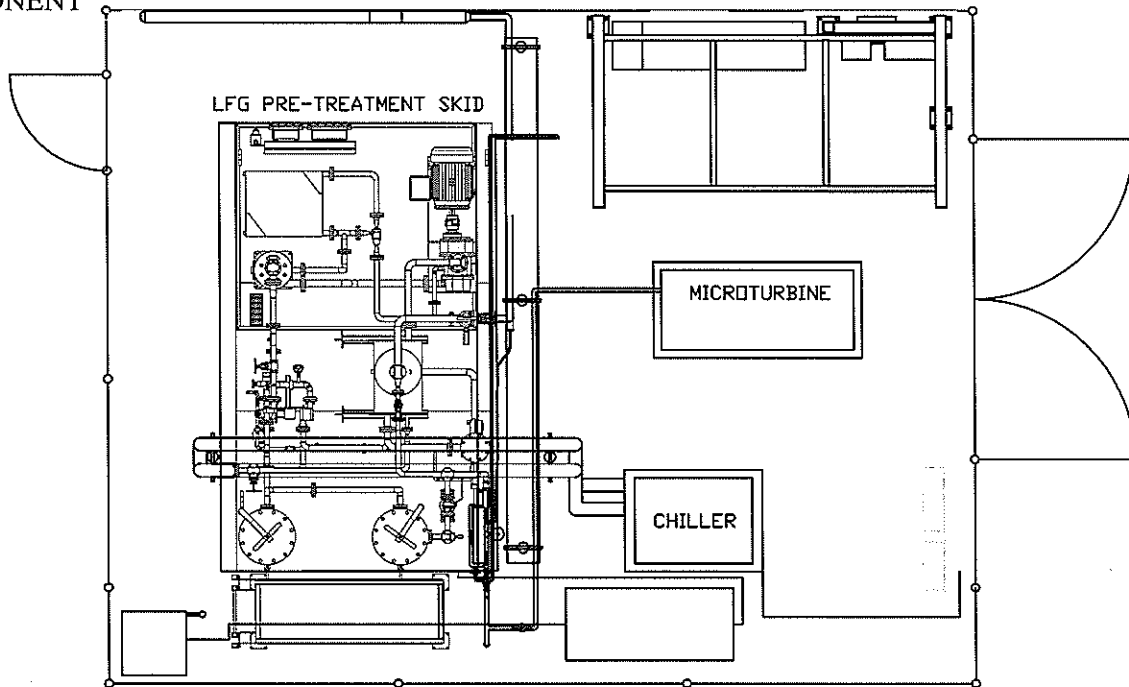
Leak Detected

NO  YES If yes, concentration above background (ppm) \_\_\_\_\_  
(If concentration at 1 cm more than 1000 ppm, repair must be completed within 7 days)

DATE: Identified \_\_\_\_\_ Started \_\_\_\_\_

Completed \_\_\_\_\_

COMPONENT



DESCRIPTION/ PROCEDURE FOR REPAIR \_\_\_\_\_

\_\_\_\_\_

PERSONNEL \_\_\_\_\_ ENGR. & ENVIRONMENTAL COMPLIANCE DIVISION

JAN 31 2022

COMMENTS \_\_\_\_\_ CITY OF MOUNTAIN VIEW

\_\_\_\_\_

CITY OF MOUNTAIN VIEW  
MICROTURBINE COMPONENT LEAK CHECK FORM AT FLARE STATION

DATE: 4/28/23

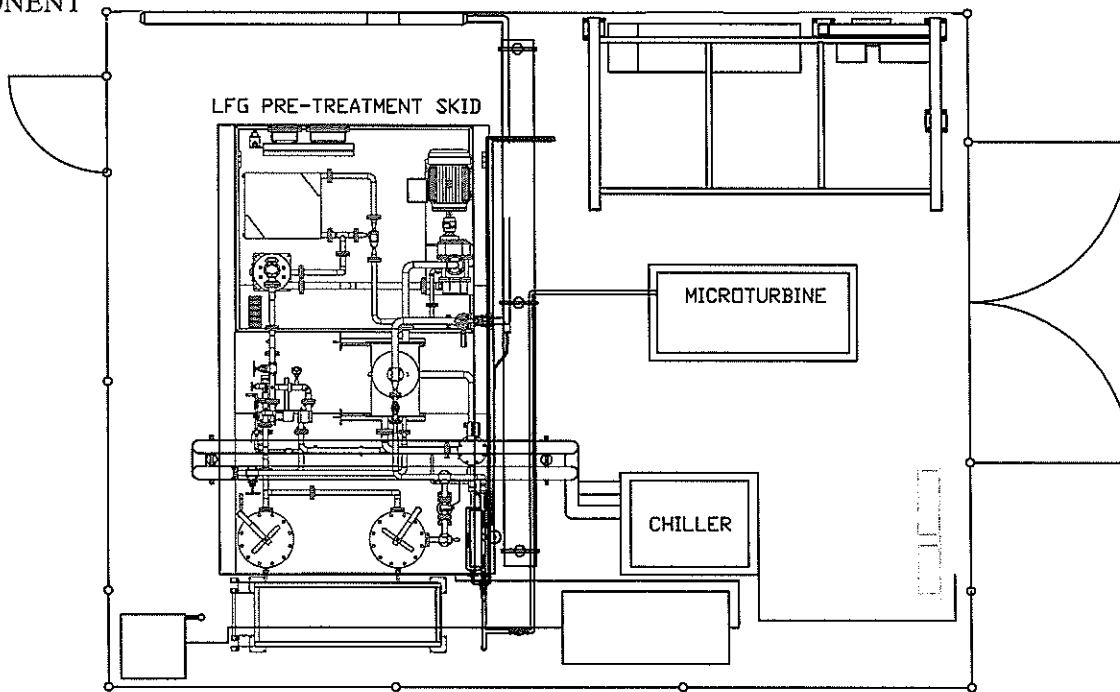
Signature: [Signature]

Leak Detected

NO  YES If yes, concentration above background (ppm) \_\_\_\_\_  
(If concentration at 1 cm more than 1000 ppm, repair must be completed within 7 days)

DATE: Identified \_\_\_\_\_ Started \_\_\_\_\_  
Completed \_\_\_\_\_

COMPONENT



DESCRIPTION/ PROCEDURE FOR REPAIR \_\_\_\_\_

PERSONNEL \_\_\_\_\_

ENGR. & ENVIRONMENTAL  
COMPLIANCE DIVISION

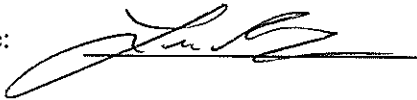
APR 28 2023

COMMENTS \_\_\_\_\_

CITY OF MOUNTAIN VIEW

CITY OF MOUNTAIN VIEW  
MICROTURBINE COMPONENT LEAK CHECK FORM AT SEWAGE PUMP STATION

DATE: 1/27/23

Signature: 

Leak Detected

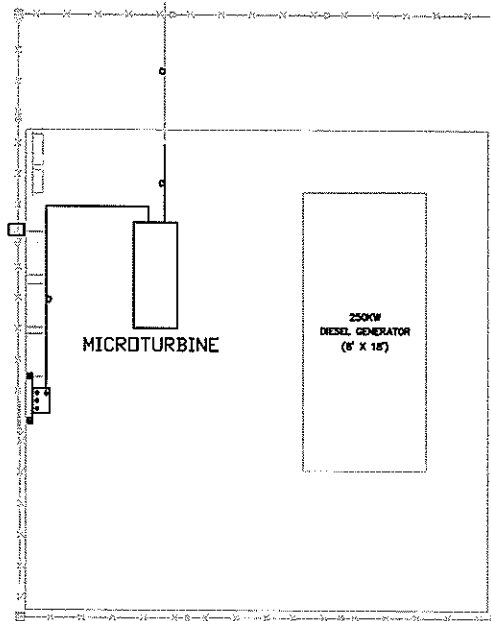
NO  YES If yes, concentration above background (ppm) \_\_\_\_\_  
(If concentration at 1 cm more than 1000 ppm, repair must be completed within 7 days)

DATE: Identified \_\_\_\_\_

Started \_\_\_\_\_

Completed \_\_\_\_\_

COMPONENT



ENGR. & ENVIRONMENTAL  
COMPLIANCE DIVISION

JAN 31 2022

CITY OF MOUNTAIN VIEW

DESCRIPTION/ PROCEDURE FOR REPAIR \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

PERSONNEL \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

COMMENTS \_\_\_\_\_

\_\_\_\_\_

CITY OF MOUNTAIN VIEW  
MICROTURBINE COMPONENT LEAK CHECK FORM AT SEWAGE PUMP STATION

DATE: 4/28/23

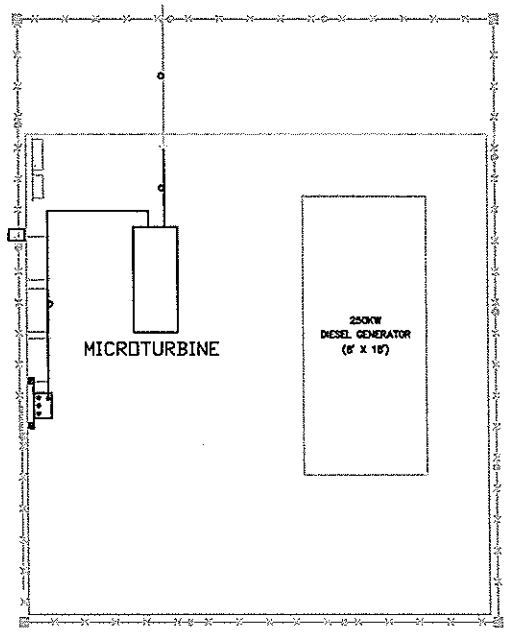
Signature: [Handwritten Signature]

Leak Detected

NO  YES If yes, concentration above background (ppm) \_\_\_\_\_  
(If concentration at 1 cm more than 1000 ppm, repair must be completed within 7 days)

DATE: Identified \_\_\_\_\_ Started \_\_\_\_\_  
Completed \_\_\_\_\_

COMPONENT



ENGR. & ENVIRONMENTAL  
COMPLIANCE DIVISION

APR 28 2023

CITY OF MOUNTAIN VIEW

DESCRIPTION/ PROCEDURE FOR REPAIR \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

PERSONNEL \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

COMMENTS \_\_\_\_\_  
\_\_\_\_\_

**City of Mountain View  
Shoreline Landfill  
Component leak check and repair form  
Site Name: VISTA**

Inspection Date: 1/25/23 Start Time: 7:30 AM Finish Time: 1:00 PM

Inspector Name: Miguel Varela Instrument Used: TVA2020/gator

Weather: Clear Leak Detected: NO leaks detected above regulatory limits

| No. | Component | OVA Reading<br>1 CM above<br>vault (PPM) | OVA<br>Reading<br>2 IN above<br>vault (PPM) | Repair/Remonitoring |                           |                                                  | Action Taken |
|-----|-----------|------------------------------------------|---------------------------------------------|---------------------|---------------------------|--------------------------------------------------|--------------|
|     |           |                                          |                                             | Repair<br>Date      | Re-<br>monitoring<br>Date | OVA Reading 1<br>CM above<br>vault With<br>(PPM) |              |
| 1   | ACDRAIN-1 | ND                                       | ND                                          |                     |                           |                                                  |              |
| 2   | BGTP-01   |                                          |                                             |                     |                           |                                                  |              |
| 3   | BGTP-02   |                                          |                                             |                     |                           |                                                  |              |
| 4   | BGV-01H   |                                          |                                             |                     |                           |                                                  |              |
| 5   | BGV-1AC   |                                          |                                             |                     |                           |                                                  |              |
| 6   | VLE-01    |                                          |                                             |                     |                           |                                                  |              |
| 7   | VLE-02    |                                          |                                             |                     |                           |                                                  |              |
| 8   | VA-01A    |                                          |                                             |                     |                           |                                                  |              |
| 9   | VA-01AC   |                                          |                                             |                     |                           |                                                  |              |
| 10  | VA-01AL   |                                          |                                             |                     |                           |                                                  |              |
| 11  | VA-01C    |                                          |                                             |                     |                           |                                                  |              |
| 12  | VA-02AC   |                                          |                                             |                     |                           |                                                  |              |
| 13  | VA-01     |                                          |                                             |                     |                           |                                                  |              |
| 14  | VA-01V    |                                          |                                             |                     |                           |                                                  |              |
| 15  | VA-02     |                                          |                                             |                     |                           |                                                  |              |
| 16  | VA-02V    |                                          |                                             |                     |                           |                                                  |              |
| 17  | VA-03     |                                          |                                             |                     |                           |                                                  |              |
| 18  | VA-03V    |                                          |                                             |                     |                           |                                                  |              |
| 19  | VA3A      |                                          |                                             |                     |                           |                                                  |              |
| 20  | VA-03AV   |                                          |                                             |                     |                           |                                                  |              |
| 21  | VA-04     |                                          |                                             |                     |                           |                                                  |              |
| 22  | VA-04V    |                                          |                                             |                     |                           |                                                  |              |
| 23  | VA-05     |                                          |                                             |                     |                           |                                                  |              |
| 24  | VA-05V    |                                          |                                             |                     |                           |                                                  |              |
| 25  | VA-06     |                                          |                                             |                     |                           |                                                  |              |
| 26  | VA-06V    |                                          |                                             |                     |                           |                                                  |              |
| 27  | VAHZ      |                                          |                                             |                     |                           |                                                  |              |
| 28  | VAHZ-01   |                                          |                                             |                     |                           |                                                  |              |
| 29  | VAHZ-02   |                                          |                                             |                     |                           |                                                  |              |
| 30  | VAHZ-03   |                                          |                                             |                     |                           |                                                  |              |
| 31  | VB-01     |                                          |                                             |                     |                           |                                                  |              |
| 32  | VB-01V    |                                          |                                             |                     |                           |                                                  |              |
| 33  | VB-02R    |                                          |                                             |                     |                           |                                                  |              |
| 34  | VB-02RV   |                                          |                                             |                     |                           |                                                  |              |
| 35  | VB-03     |                                          |                                             |                     |                           |                                                  |              |
| 36  | VB-03V    | ✓                                        | ✓                                           |                     |                           |                                                  |              |
| 37  | VB-03AC   | ND                                       | ND                                          |                     |                           |                                                  |              |

ENGR. & ENVIRONMENTAL  
COMPLIANCE DIVISION

JAN 31 2023

CITY OF MOUNTAIN VIEW



| No. | Component | OVA Reading<br>1 CM above<br>vault (PPM) | OVA<br>Reading<br>2 IN above<br>vault (PPM) | Repair/Remonitoring |                           |                                                  | Action Taken |
|-----|-----------|------------------------------------------|---------------------------------------------|---------------------|---------------------------|--------------------------------------------------|--------------|
|     |           |                                          |                                             | Repair<br>Date      | Re-<br>monitoring<br>Date | OVA Reading 1<br>CM above<br>vault With<br>(PPM) |              |
| 38  | VB-03A    | ND                                       | ND                                          |                     |                           |                                                  |              |
| 39  | VB-03AV   |                                          |                                             |                     |                           |                                                  |              |
| 40  | VB-04     |                                          |                                             |                     |                           |                                                  |              |
| 41  | VB-04V    |                                          |                                             |                     |                           |                                                  |              |
| 42  | VB-05A    |                                          |                                             |                     |                           |                                                  |              |
| 43  | VB-05AV   |                                          |                                             |                     |                           |                                                  |              |
| 44  | VB-05R    |                                          |                                             |                     |                           |                                                  |              |
| 45  | VB-05RV   |                                          |                                             |                     |                           |                                                  |              |
| 46  | VB-06     |                                          |                                             |                     |                           |                                                  |              |
| 47  | VB-06V    |                                          |                                             |                     |                           |                                                  |              |
| 48  | VB-07     |                                          |                                             |                     |                           |                                                  |              |
| 49  | VB-07V    |                                          |                                             |                     |                           |                                                  |              |
| 50  | VB-08     |                                          |                                             |                     |                           |                                                  |              |
| 51  | VB-08V    |                                          |                                             |                     |                           |                                                  |              |
| 52  | VB-09     |                                          |                                             |                     |                           |                                                  |              |
| 53  | VB-09AC   |                                          |                                             |                     |                           |                                                  |              |
| 54  | VB-09V    |                                          |                                             |                     |                           |                                                  |              |
| 55  | VC-01     |                                          |                                             |                     |                           |                                                  |              |
| 56  | VC-01V    |                                          |                                             |                     |                           |                                                  |              |
| 57  | VC-02     |                                          |                                             |                     |                           |                                                  |              |
| 58  | VC-02V    |                                          |                                             |                     |                           |                                                  |              |
| 59  | VC-03     |                                          |                                             |                     |                           |                                                  |              |
| 60  | VC-03V    |                                          |                                             |                     |                           |                                                  |              |
| 61  | VC-04     |                                          |                                             |                     |                           |                                                  |              |
| 62  | VC-04AC   |                                          |                                             |                     |                           |                                                  |              |
| 63  | VC-04V    |                                          |                                             |                     |                           |                                                  |              |
| 64  | VC-05     |                                          |                                             |                     |                           |                                                  |              |
| 65  | VC-05V    |                                          |                                             |                     |                           |                                                  |              |
| 66  | VC-06     |                                          |                                             |                     |                           |                                                  |              |
| 67  | VC-06V    |                                          |                                             |                     |                           |                                                  |              |
| 68  | VC-07     |                                          |                                             |                     |                           |                                                  |              |
| 69  | VC-07V    |                                          |                                             |                     |                           |                                                  |              |
| 70  | VC-08     |                                          |                                             |                     |                           |                                                  |              |
| 71  | VC-08V    |                                          |                                             |                     |                           |                                                  |              |
| 72  | VC-10     |                                          |                                             |                     |                           |                                                  |              |
| 73  | VC-10V    |                                          |                                             |                     |                           |                                                  |              |
| 74  | VE-01     |                                          |                                             |                     |                           |                                                  |              |
| 75  | VE-01V    |                                          |                                             |                     |                           |                                                  |              |
| 76  | VE-03     |                                          |                                             |                     |                           |                                                  |              |
| 77  | VE-03AC   |                                          |                                             |                     |                           |                                                  |              |
| 78  | VE-03V    |                                          |                                             |                     |                           |                                                  |              |
| 79  | VE-04R    |                                          |                                             |                     |                           |                                                  |              |
| 80  | VE-04RV   |                                          |                                             |                     |                           |                                                  |              |
| 81  | VE-05     |                                          |                                             |                     |                           |                                                  |              |
| 82  | VE-05V    |                                          |                                             |                     |                           |                                                  |              |
| 83  | VE-06     |                                          |                                             |                     |                           |                                                  |              |
| 84  | VE-06V    | ✓                                        | ✓                                           |                     |                           |                                                  |              |
| 85  | VE-07     | ND                                       | ND                                          |                     |                           |                                                  |              |

| No. | Component | OVA Reading<br>1 CM above<br>vault (PPM) | OVA<br>Reading<br>2 IN above<br>vault (PPM) | Repair/Remonitoring |                           |                                                  | Action Taken |
|-----|-----------|------------------------------------------|---------------------------------------------|---------------------|---------------------------|--------------------------------------------------|--------------|
|     |           |                                          |                                             | Repair<br>Date      | Re-<br>monitoring<br>Date | OVA Reading 1<br>CM above<br>vault With<br>(PPM) |              |
| 86  | VE-07V    | ND                                       | ND                                          |                     |                           |                                                  |              |
| 87  | VE-08     |                                          |                                             |                     |                           |                                                  |              |
| 88  | VE-08V    |                                          |                                             |                     |                           |                                                  |              |
| 89  | VE-09     |                                          |                                             |                     |                           |                                                  |              |
| 90  | VE-09V    |                                          |                                             |                     |                           |                                                  |              |
| 91  | VE-10     |                                          |                                             |                     |                           |                                                  |              |
| 92  | VE-10V    |                                          |                                             |                     |                           |                                                  |              |
| 93  | VE-11     |                                          |                                             |                     |                           |                                                  |              |
| 94  | VE-11AC   |                                          |                                             |                     |                           |                                                  |              |
| 95  | VE-11V    |                                          |                                             |                     |                           |                                                  |              |
| 96  | VF-01     |                                          |                                             |                     |                           |                                                  |              |
| 97  | VF-01V    |                                          |                                             |                     |                           |                                                  |              |
| 98  | VF-02     |                                          |                                             |                     |                           |                                                  |              |
| 99  | VF-02V    |                                          |                                             |                     |                           |                                                  |              |
| 100 | VF-03     |                                          |                                             |                     |                           |                                                  |              |
| 101 | VF-03AC   |                                          |                                             |                     |                           |                                                  |              |
| 102 | VF-03V    |                                          |                                             |                     |                           |                                                  |              |
| 103 | VF-04     |                                          |                                             |                     |                           |                                                  |              |
| 104 | VF-04V    |                                          |                                             |                     |                           |                                                  |              |
| 105 | VF 05R    |                                          |                                             |                     |                           |                                                  |              |
| 106 | VF-05RV   |                                          |                                             |                     |                           |                                                  |              |
| 107 | VF-06     |                                          |                                             |                     |                           |                                                  |              |
| 108 | VF-06AC   |                                          |                                             |                     |                           |                                                  |              |
| 109 | VF-06V    |                                          |                                             |                     |                           |                                                  |              |
| 110 | VF-06V    |                                          |                                             |                     |                           |                                                  |              |
| 111 | VF-07     |                                          |                                             |                     |                           |                                                  |              |
| 112 | VF-07V    |                                          |                                             |                     |                           |                                                  |              |
| 113 | VF07A     |                                          |                                             |                     |                           |                                                  |              |
| 114 | VF-07AV   |                                          |                                             |                     |                           |                                                  |              |
| 115 | VF-08R    |                                          |                                             |                     |                           |                                                  |              |
| 116 | VF-08RV   |                                          |                                             |                     |                           |                                                  |              |
| 117 | VF-09     |                                          |                                             |                     |                           |                                                  |              |
| 118 | VF-09AC   |                                          |                                             |                     |                           |                                                  |              |
| 119 | VF-09V    |                                          |                                             |                     |                           |                                                  |              |
| 120 | VF-10     |                                          |                                             |                     |                           |                                                  |              |
| 121 | VF-10V    |                                          |                                             |                     |                           |                                                  |              |
| 122 | VF11      |                                          |                                             |                     |                           |                                                  |              |
| 123 | VF-11V    |                                          |                                             |                     |                           |                                                  |              |
| 124 | VG-01     |                                          |                                             |                     |                           |                                                  |              |
| 125 | VG-01V    |                                          |                                             |                     |                           |                                                  |              |
| 126 | VG-01A    |                                          |                                             |                     |                           |                                                  |              |
| 127 | VG-01AV   |                                          |                                             |                     |                           |                                                  |              |
| 128 | VG-02     |                                          |                                             |                     |                           |                                                  |              |
| 129 | VG-02V    |                                          |                                             |                     |                           |                                                  |              |
| 130 | VG-02R    |                                          |                                             |                     |                           |                                                  |              |
| 131 | VG-02RV   |                                          |                                             |                     |                           |                                                  |              |
| 132 | VG-03     | ✓                                        | ✓                                           |                     |                           |                                                  |              |
| 133 | VG-03V    | ND                                       | ND                                          |                     |                           |                                                  |              |

| No. | Component | OVA Reading<br>1 CM above<br>vault (PPM) | OVA<br>Reading<br>2 IN above<br>vault (PPM) | Repair/Remonitoring |                           |                                                  | Action Taken |
|-----|-----------|------------------------------------------|---------------------------------------------|---------------------|---------------------------|--------------------------------------------------|--------------|
|     |           |                                          |                                             | Repair<br>Date      | Re-<br>monitoring<br>Date | OVA Reading 1<br>CM above<br>vault With<br>(PPM) |              |
| 134 | VG-03A    | ND                                       | ND                                          |                     |                           |                                                  |              |
| 135 | VG-03AV   |                                          |                                             |                     |                           |                                                  |              |
| 136 | VG-04     |                                          |                                             |                     |                           |                                                  |              |
| 137 | VG-04V    |                                          |                                             |                     |                           |                                                  |              |
| 138 | VG-04AC   |                                          |                                             |                     |                           |                                                  |              |
| 139 | VG-04A    |                                          |                                             |                     |                           |                                                  |              |
| 140 | VG-04AV   |                                          |                                             |                     |                           |                                                  |              |
| 141 | VG-05     |                                          |                                             |                     |                           |                                                  |              |
| 142 | VG-05AC   |                                          |                                             |                     |                           |                                                  |              |
| 143 | VG-05V    |                                          |                                             |                     |                           |                                                  |              |
| 144 | VG-06     |                                          |                                             |                     |                           |                                                  |              |
| 145 | VG-06V    |                                          |                                             |                     |                           |                                                  |              |
| 146 | VH-01     |                                          |                                             |                     |                           |                                                  |              |
| 147 | VH-01V    |                                          |                                             |                     |                           |                                                  |              |
| 148 | VH-02     |                                          |                                             |                     |                           |                                                  |              |
| 149 | VH-02AC   |                                          |                                             |                     |                           |                                                  |              |
| 150 | VH-02V    |                                          |                                             |                     |                           |                                                  |              |
| 151 | VH-03     |                                          |                                             |                     |                           |                                                  |              |
| 152 | VH-03V    |                                          |                                             |                     |                           |                                                  |              |
| 153 | VH-04     |                                          |                                             |                     |                           |                                                  |              |
| 154 | VH-04AC   |                                          |                                             |                     |                           |                                                  |              |
| 155 | VH-04V    |                                          |                                             |                     |                           |                                                  |              |
| 156 | VH-05     |                                          |                                             |                     |                           |                                                  |              |
| 157 | VH-05AC   |                                          |                                             |                     |                           |                                                  |              |
| 158 | VH-05V    |                                          |                                             |                     |                           |                                                  |              |
| 159 | VH-06     |                                          |                                             |                     |                           |                                                  |              |
| 160 | VH-06V    |                                          |                                             |                     |                           |                                                  |              |
| 161 | VH-07     |                                          |                                             |                     |                           |                                                  |              |
| 162 | VH-07V    |                                          |                                             |                     |                           |                                                  |              |
| 163 | VH-08     |                                          |                                             |                     |                           |                                                  |              |
| 164 | VH-08AC   |                                          |                                             |                     |                           |                                                  |              |
| 165 | VH-08V    |                                          |                                             |                     |                           |                                                  |              |
| 166 | VH-09     |                                          |                                             |                     |                           |                                                  |              |
| 167 | VH-9V     |                                          |                                             |                     |                           |                                                  |              |
| 168 | VH-10     |                                          |                                             |                     |                           |                                                  |              |
| 169 | VH-10AC   |                                          |                                             |                     |                           |                                                  |              |
| 170 | VH-10V    |                                          |                                             |                     |                           |                                                  |              |
| 171 | VH-11     |                                          |                                             |                     |                           |                                                  |              |
| 172 | VH-11V    |                                          |                                             |                     |                           |                                                  |              |
| 173 | VH-12     |                                          |                                             |                     |                           |                                                  |              |
| 174 | VH-12V    |                                          |                                             |                     |                           |                                                  |              |
| 175 | VH-13     |                                          |                                             |                     |                           |                                                  |              |
| 176 | VH-13V    |                                          |                                             |                     |                           |                                                  |              |
| 177 | VJ-01     |                                          |                                             |                     |                           |                                                  |              |
| 178 | VJ-01V    |                                          |                                             |                     |                           |                                                  |              |
| 179 | VJ-02R    |                                          |                                             |                     |                           |                                                  |              |
| 180 | VJ-02RV   | √                                        | √                                           |                     |                           |                                                  |              |
| 181 | VJ-03R    | ND                                       | ND                                          |                     |                           |                                                  |              |

| No. | Component | OVA Reading<br>1 CM above<br>vault (PPM) | OVA<br>Reading<br>2 IN above<br>vault (PPM) | Repair/Remonitoring |                           |                                                  | Action Taken |
|-----|-----------|------------------------------------------|---------------------------------------------|---------------------|---------------------------|--------------------------------------------------|--------------|
|     |           |                                          |                                             | Repair<br>Date      | Re-<br>monitoring<br>Date | OVA Reading 1<br>CM above<br>vault With<br>(PPM) |              |
| 182 | VJ-03RV   | ND                                       | ND                                          |                     |                           |                                                  |              |
| 183 | VJ-04A    |                                          |                                             |                     |                           |                                                  |              |
| 184 | VJ-04AV   |                                          |                                             |                     |                           |                                                  |              |
| 185 | VJ-04R    |                                          |                                             |                     |                           |                                                  |              |
| 186 | VJ-04RV   |                                          |                                             |                     |                           |                                                  |              |
| 187 | VJ-05R    |                                          |                                             |                     |                           |                                                  |              |
| 188 | VJ-05RV   |                                          |                                             |                     |                           |                                                  |              |
| 189 | VJ-06     |                                          |                                             |                     |                           |                                                  |              |
| 190 | VJ-06V    |                                          |                                             |                     |                           |                                                  |              |
| 191 | VJ-07R    |                                          |                                             |                     |                           |                                                  |              |
| 192 | VJ-07RV   |                                          |                                             |                     |                           |                                                  |              |
| 193 | VJ-08     |                                          |                                             |                     |                           |                                                  |              |
| 194 | VJ-08V    |                                          |                                             |                     |                           |                                                  |              |
| 195 | VJ-09R    |                                          |                                             |                     |                           |                                                  |              |
| 196 | VJ-09RV   |                                          |                                             |                     |                           |                                                  |              |
| 197 | VJ-10     |                                          |                                             |                     |                           |                                                  |              |
| 198 | VJ-10V    |                                          |                                             |                     |                           |                                                  |              |
| 199 | VJ-11R    |                                          |                                             |                     |                           |                                                  |              |
| 200 | VJ-11RV   |                                          |                                             |                     |                           |                                                  |              |
| 201 | VK-01     |                                          |                                             |                     |                           |                                                  |              |
| 202 | VK-01V    |                                          |                                             |                     |                           |                                                  |              |
| 203 | VK-02     |                                          |                                             |                     |                           |                                                  |              |
| 204 | VK-02V    |                                          |                                             |                     |                           |                                                  |              |
| 205 | VK-03     |                                          |                                             |                     |                           |                                                  |              |
| 206 | VK-03V    |                                          |                                             |                     |                           |                                                  |              |
| 207 | VK-04     |                                          |                                             |                     |                           |                                                  |              |
| 208 | VK-04V    |                                          |                                             |                     |                           |                                                  |              |
| 209 | VK-05     |                                          |                                             |                     |                           |                                                  |              |
| 210 | VK-05V    |                                          |                                             |                     |                           |                                                  |              |
| 211 | VSB-01    |                                          |                                             |                     |                           |                                                  |              |
| 212 | VSB-02    |                                          |                                             |                     |                           |                                                  |              |
| 213 | VSE-03    |                                          |                                             |                     |                           |                                                  |              |
| 214 | VSF-01    |                                          |                                             |                     |                           |                                                  |              |
| 215 | VSH-01    |                                          |                                             |                     |                           |                                                  |              |
| 216 | VSJ-01    |                                          |                                             |                     |                           |                                                  |              |
| 217 | VSJ-02    |                                          |                                             |                     |                           |                                                  |              |
| 218 | VTPA-01   |                                          |                                             |                     |                           |                                                  |              |
| 219 | VTPA-02   |                                          |                                             |                     |                           |                                                  |              |
| 220 | VTPA-03   |                                          |                                             |                     |                           |                                                  |              |
| 221 | VTPB-01   |                                          |                                             |                     |                           |                                                  |              |
| 222 | VTPB-02   |                                          |                                             |                     |                           |                                                  |              |
| 223 | VTPB-03   |                                          |                                             |                     |                           |                                                  |              |
| 224 | VTPB-04   |                                          |                                             |                     |                           |                                                  |              |
| 225 | VTPC-01   |                                          |                                             |                     |                           |                                                  |              |
| 226 | VTPC-02   |                                          |                                             |                     |                           |                                                  |              |
| 227 | VTPE-01   |                                          |                                             |                     |                           |                                                  |              |
| 228 | VTPE-02   | √                                        | √                                           |                     |                           |                                                  |              |
| 229 | VTPF-01   | ND                                       | ND                                          |                     |                           |                                                  |              |

| No. | Component | OVA Reading<br>1 CM above<br>vault (PPM) | OVA<br>Reading<br>2 IN above<br>vault (PPM) | Repair/Remonitoring |                           |                                                  | Action Taken |
|-----|-----------|------------------------------------------|---------------------------------------------|---------------------|---------------------------|--------------------------------------------------|--------------|
|     |           |                                          |                                             | Repair<br>Date      | Re-<br>monitoring<br>Date | OVA Reading 1<br>CM above<br>vault With<br>(PPM) |              |
| 230 | VTPF-02   | ND                                       | ND                                          |                     |                           |                                                  |              |
| 231 | VTPF-03   |                                          |                                             |                     |                           |                                                  |              |
| 232 | VTPF-04   |                                          |                                             |                     |                           |                                                  |              |
| 233 | VTPG-01   |                                          |                                             |                     |                           |                                                  |              |
| 234 | VTPG-02   |                                          |                                             |                     |                           |                                                  |              |
| 235 | VTPG-03   |                                          |                                             |                     |                           |                                                  |              |
| 236 | VTPG-04   |                                          |                                             |                     |                           |                                                  |              |
| 237 | VTPH-01   |                                          |                                             |                     |                           |                                                  |              |
| 238 | VTPH-02   |                                          |                                             |                     |                           |                                                  |              |
| 239 | VTPH-03   |                                          |                                             |                     |                           |                                                  |              |
| 240 | VTPH-04   |                                          |                                             |                     |                           |                                                  |              |
| 241 | VTPJ-01   |                                          |                                             |                     |                           |                                                  |              |
| 242 | VTPJ-02   |                                          |                                             |                     |                           |                                                  |              |
| 243 | VTPJ-03   |                                          |                                             |                     |                           |                                                  |              |
| 244 | VTPJ-05   |                                          |                                             |                     |                           |                                                  |              |
| 245 | VTPK-01   |                                          |                                             |                     |                           |                                                  |              |
| 246 | VTPK-02   |                                          |                                             |                     |                           |                                                  |              |
| 247 | VVA-01H   |                                          |                                             |                     |                           |                                                  |              |
| 248 | VVA-02H   |                                          |                                             |                     |                           |                                                  |              |
| 249 | VVA 01AC  |                                          |                                             |                     |                           |                                                  |              |
| 250 | VVA-02AC  |                                          |                                             |                     |                           |                                                  |              |
| 251 | VVB-01H   |                                          |                                             |                     |                           |                                                  |              |
| 252 | VVB-02AC  |                                          |                                             |                     |                           |                                                  |              |
| 253 | VVB-02H   |                                          |                                             |                     |                           |                                                  |              |
| 254 | VVB-01AC  |                                          |                                             |                     |                           |                                                  |              |
| 255 | VVC-01H   |                                          |                                             |                     |                           |                                                  |              |
| 256 | VVC-02H   |                                          |                                             |                     |                           |                                                  |              |
| 257 | VVC-03H   |                                          |                                             |                     |                           |                                                  |              |
| 258 | VVC-01AC  |                                          |                                             |                     |                           |                                                  |              |
| 259 | VVC-01V   |                                          |                                             |                     |                           |                                                  |              |
| 260 | VVC-02AC  |                                          |                                             |                     |                           |                                                  |              |
| 261 | VVF-01H   |                                          |                                             |                     |                           |                                                  |              |
| 262 | VVF-02H   |                                          |                                             |                     |                           |                                                  |              |
| 263 | VVF-03H   |                                          |                                             |                     |                           |                                                  |              |
| 264 | VVF-01AC  |                                          |                                             |                     |                           |                                                  |              |
| 265 | VVF-02AC  |                                          |                                             |                     |                           |                                                  |              |
| 266 | VVF-03AC  |                                          |                                             |                     |                           |                                                  |              |
| 267 | VVG-01AC  |                                          |                                             |                     |                           |                                                  |              |
| 268 | VVG-01H   |                                          |                                             |                     |                           |                                                  |              |
| 269 | VVG-02AC  |                                          |                                             |                     |                           |                                                  |              |
| 270 | VVG-02H   |                                          |                                             |                     |                           |                                                  |              |
| 271 | VVG-03H   |                                          |                                             |                     |                           |                                                  |              |
| 272 | VVG-04H   |                                          |                                             |                     |                           |                                                  |              |
| 273 | VVG-03AC  |                                          |                                             |                     |                           |                                                  |              |
| 274 | VVG-04AC  |                                          |                                             |                     |                           |                                                  |              |
| 275 | VVH-01H   |                                          |                                             |                     |                           |                                                  |              |
| 276 | VVH-02H   | ✓                                        | ✓                                           |                     |                           |                                                  |              |
| 277 | VVH-03H   | ND                                       | ND                                          |                     |                           |                                                  |              |

| No. | Component | OVA Reading<br>1 CM above<br>vault (PPM) | OVA<br>Reading<br>2 IN above<br>vault (PPM) | Repair/Remonitoring |                           |                                                  | Action Taken |
|-----|-----------|------------------------------------------|---------------------------------------------|---------------------|---------------------------|--------------------------------------------------|--------------|
|     |           |                                          |                                             | Repair<br>Date      | Re-<br>monitoring<br>Date | OVA Reading 1<br>CM above<br>vault With<br>(PPM) |              |
| 278 | VVH-01AC  | ND                                       | ND                                          |                     |                           |                                                  |              |
| 279 | VVH-02AC  |                                          |                                             |                     |                           |                                                  |              |
| 280 | VVH-03AC  |                                          |                                             |                     |                           |                                                  |              |
| 281 | VVJ-01H   |                                          |                                             |                     |                           |                                                  |              |
| 282 | VVJ-04H   |                                          |                                             |                     |                           |                                                  |              |
| 283 | VVJ-05H   |                                          |                                             |                     |                           |                                                  |              |
| 284 | VVJ-01AC  |                                          |                                             |                     |                           |                                                  |              |
| 285 | VVJ-02AC  |                                          |                                             |                     |                           |                                                  |              |
| 286 | VVJ-03H   |                                          |                                             |                     |                           |                                                  |              |
| 287 | VVK-01AC  |                                          |                                             |                     |                           |                                                  |              |
| 288 | VVK-01H   |                                          |                                             |                     |                           |                                                  |              |
| 289 | VVK-02H   |                                          |                                             |                     |                           |                                                  |              |
| 290 | VVTC1     |                                          |                                             |                     |                           |                                                  |              |
| 291 | VVTC2     |                                          |                                             |                     |                           |                                                  |              |
| 292 | VVTC3     |                                          |                                             |                     |                           |                                                  |              |
| 293 | VVTC4     |                                          |                                             |                     |                           |                                                  |              |
| 294 | VVTP1     |                                          |                                             |                     |                           |                                                  |              |
| 295 | VVTP2     |                                          |                                             |                     |                           |                                                  |              |
| 296 | VVTP3     |                                          |                                             |                     |                           |                                                  |              |
| 297 | VVTP4     |                                          |                                             |                     |                           |                                                  |              |
| 298 | VVTP5     |                                          |                                             |                     |                           |                                                  |              |
| 299 | VVTS1     |                                          |                                             |                     |                           |                                                  |              |
| 300 | VVTS2     |                                          |                                             |                     |                           |                                                  |              |
| 301 | VVTS3     | V                                        | V                                           |                     |                           |                                                  |              |
| 302 | VVTS4     | ND                                       | ND                                          |                     |                           |                                                  |              |
|     |           |                                          |                                             |                     |                           |                                                  |              |
|     |           |                                          |                                             |                     |                           |                                                  | 2011-05-11a  |

S - Box Sealed  
V- Vacuum Adjusted

**City of Mountain View  
Shoreline Landfill  
Component leak check and repair form  
Site Name: BACK NINE**

Inspection Date: 1/25/23 Start Time: 7:30 AM Finish Time: 3:00 PM

Inspector Name: Adrian Vega Instrument Used: TVA 2020/Orator

Weather: Clear Leak Detected: No leaks detected Above Regulatory Limits

| No. | Component | OVA Reading<br>1 CM above<br>vault (PPM) | OVA<br>Reading<br>2 IN above<br>vault (PPM) | Repair Date | Repair/Remonitoring       |                                                  | Action Taken |
|-----|-----------|------------------------------------------|---------------------------------------------|-------------|---------------------------|--------------------------------------------------|--------------|
|     |           |                                          |                                             |             | Re-<br>monitoring<br>Date | OVA Reading<br>1 CM above<br>vault With<br>(PPM) |              |
| 1   | WA-01     | ND                                       | ND                                          |             |                           |                                                  |              |
| 2   | WA-01V    |                                          |                                             |             |                           |                                                  |              |
| 3   | WA-02     |                                          |                                             |             |                           |                                                  |              |
| 4   | WA-02V    |                                          |                                             |             |                           |                                                  |              |
| 5   | WA-04     |                                          |                                             |             |                           |                                                  |              |
| 6   | WA-04V    |                                          |                                             |             |                           |                                                  |              |
| 7   | WA-05     |                                          |                                             |             |                           |                                                  |              |
| 8   | WA-05V    |                                          |                                             |             |                           |                                                  |              |
| 9   | WA-06     |                                          |                                             |             |                           |                                                  |              |
| 10  | WA-06V    |                                          |                                             |             |                           |                                                  |              |
| 11  | WA-07     |                                          |                                             |             |                           |                                                  |              |
| 12  | WA-07V    |                                          |                                             |             |                           |                                                  |              |
| 13  | WA-08     |                                          |                                             |             |                           |                                                  |              |
| 14  | WA-08V    |                                          |                                             |             |                           |                                                  |              |
| 15  | WA-09     |                                          |                                             |             |                           |                                                  |              |
| 16  | WA-09V    |                                          |                                             |             |                           |                                                  |              |
| 17  | WA-10     |                                          |                                             |             |                           |                                                  |              |
| 18  | WA-10V    |                                          |                                             |             |                           |                                                  |              |
| 19  | WA-11     |                                          |                                             |             |                           |                                                  |              |
| 20  | WA-11V    |                                          |                                             |             |                           |                                                  |              |
| 21  | WA-12     |                                          |                                             |             |                           |                                                  |              |
| 22  | WA-12V    |                                          |                                             |             |                           |                                                  |              |
| 23  | WA-13     |                                          |                                             |             |                           |                                                  |              |
| 24  | WA-13V    |                                          |                                             |             |                           |                                                  |              |
| 25  | WA-14     |                                          |                                             |             |                           |                                                  |              |
| 26  | WA-14V    |                                          |                                             |             |                           |                                                  |              |
| 27  | WA-15     |                                          |                                             |             |                           |                                                  |              |
| 28  | WA-15V    |                                          |                                             |             |                           |                                                  |              |
| 29  | WA-16     |                                          |                                             |             |                           |                                                  |              |
| 30  | WA-16V    |                                          |                                             |             |                           |                                                  |              |
| 31  | WA-17     |                                          |                                             |             |                           |                                                  |              |
| 32  | WA-17V    |                                          |                                             |             |                           |                                                  |              |
| 33  | WA-18     |                                          |                                             |             |                           |                                                  |              |
| 34  | WA-18V    |                                          |                                             |             |                           |                                                  |              |
| 35  | WA-19     |                                          |                                             |             |                           |                                                  |              |
| 36  | WA-19V    |                                          |                                             |             |                           |                                                  |              |
| 37  | WA-20     |                                          |                                             |             |                           |                                                  |              |
| 38  | WA-20V    |                                          |                                             |             |                           |                                                  |              |
| 39  | WA-21     | ND                                       | ND                                          |             |                           |                                                  |              |

| No. | Component | OVA Reading<br>1 CM above<br>vault (PPM) | OVA<br>Reading<br>2 IN above<br>vault (PPM) | Repair Date | Repair/Remonitoring       |                                                  | Action Taken |
|-----|-----------|------------------------------------------|---------------------------------------------|-------------|---------------------------|--------------------------------------------------|--------------|
|     |           |                                          |                                             |             | Re-<br>monitoring<br>Date | OVA Reading<br>1 CM above<br>vault With<br>(PPM) |              |
| 40  | WA-21V    | ND                                       | ND                                          |             |                           |                                                  |              |
| 41  | WA-22     |                                          |                                             |             |                           |                                                  |              |
| 42  | WA-22V    |                                          |                                             |             |                           |                                                  |              |
| 43  | WA-23     |                                          |                                             |             |                           |                                                  |              |
| 44  | WA-23V    |                                          |                                             |             |                           |                                                  |              |
| 45  | WA-24     |                                          |                                             |             |                           |                                                  |              |
| 46  | WA-24V    |                                          |                                             |             |                           |                                                  |              |
| 47  | WA-25     |                                          |                                             |             |                           |                                                  |              |
| 48  | WA-25V    |                                          |                                             |             |                           |                                                  |              |
| 49  | WA-26     |                                          |                                             |             |                           |                                                  |              |
| 50  | WA-26V    |                                          |                                             |             |                           |                                                  |              |
| 51  | WA-27     |                                          |                                             |             |                           |                                                  |              |
| 52  | WA-27V    |                                          |                                             |             |                           |                                                  |              |
| 53  | WA-28     |                                          |                                             |             |                           |                                                  |              |
| 54  | WA-28V    |                                          |                                             |             |                           |                                                  |              |
| 55  | WA-29     |                                          |                                             |             |                           |                                                  |              |
| 56  | WA-29V    |                                          |                                             |             |                           |                                                  |              |
| 57  | WB-01     |                                          |                                             |             |                           |                                                  |              |
| 58  | WB-01V    |                                          |                                             |             |                           |                                                  |              |
| 59  | WB-02     |                                          |                                             |             |                           |                                                  |              |
| 60  | WB-02V    |                                          |                                             |             |                           |                                                  |              |
| 61  | WB-03     |                                          |                                             |             |                           |                                                  |              |
| 62  | WB-03V    |                                          |                                             |             |                           |                                                  |              |
| 63  | WB-04     |                                          |                                             |             |                           |                                                  |              |
| 64  | WB-04V    |                                          |                                             |             |                           |                                                  |              |
| 65  | WB-05     |                                          |                                             |             |                           |                                                  |              |
| 66  | WB-05A    |                                          |                                             |             |                           |                                                  |              |
| 67  | WB-05AV   |                                          |                                             |             |                           |                                                  |              |
| 68  | W-06      |                                          |                                             |             |                           |                                                  |              |
| 69  | WB-06V    |                                          |                                             |             |                           |                                                  |              |
| 70  | WB-06A    |                                          |                                             |             |                           |                                                  |              |
| 71  | WB-06AV   |                                          |                                             |             |                           |                                                  |              |
| 72  | WB-07     |                                          |                                             |             |                           |                                                  |              |
| 73  | WB-07V    |                                          |                                             |             |                           |                                                  |              |
| 74  | WB-07A    |                                          |                                             |             |                           |                                                  |              |
| 75  | WB-07AV   |                                          |                                             |             |                           |                                                  |              |
| 76  | WB-08     |                                          |                                             |             |                           |                                                  |              |
| 77  | WB-08V    |                                          |                                             |             |                           |                                                  |              |
| 78  | WB-09     |                                          |                                             |             |                           |                                                  |              |
| 79  | WB-09V    |                                          |                                             |             |                           |                                                  |              |
| 80  | WB-10     |                                          |                                             |             |                           |                                                  |              |
| 81  | WB-10V    |                                          |                                             |             |                           |                                                  |              |
| 82  | WB-11     |                                          |                                             |             |                           |                                                  |              |
| 83  | WB-11V    |                                          |                                             |             |                           |                                                  |              |
| 84  | WB-12     |                                          |                                             |             |                           |                                                  |              |
| 85  | WB-12V    |                                          |                                             |             |                           |                                                  |              |
| 86  | WB-12A    |                                          |                                             |             |                           |                                                  |              |
| 87  | WB-12AV   |                                          |                                             |             |                           |                                                  |              |
| 88  | WB-13     | ND                                       | ND                                          |             |                           |                                                  |              |



| No. | Component | OVA Reading<br>1 CM above<br>vault (PPM) | OVA<br>Reading<br>2 IN above<br>vault (PPM) | Repair Date | Repair/Remonitoring       |                                                  | Action Taken |
|-----|-----------|------------------------------------------|---------------------------------------------|-------------|---------------------------|--------------------------------------------------|--------------|
|     |           |                                          |                                             |             | Re-<br>monitoring<br>Date | OVA Reading<br>1 CM above<br>vault With<br>(PPM) |              |
| 89  | WB-13V    | ND                                       | ND                                          |             |                           |                                                  |              |
| 90  | WB-14     |                                          |                                             |             |                           |                                                  |              |
| 91  | WB-14V    |                                          |                                             |             |                           |                                                  |              |
| 92  | WB-15     |                                          |                                             |             |                           |                                                  |              |
| 93  | WB-15V    |                                          |                                             |             |                           |                                                  |              |
| 94  | WB-16     |                                          |                                             |             |                           |                                                  |              |
| 95  | WB-16V    |                                          |                                             |             |                           |                                                  |              |
| 96  | WB-17     |                                          |                                             |             |                           |                                                  |              |
| 97  | WB-17V    |                                          |                                             |             |                           |                                                  |              |
| 98  | WC-01     |                                          |                                             |             |                           |                                                  |              |
| 99  | WC-01V    |                                          |                                             |             |                           |                                                  |              |
| 100 | WC-02     |                                          |                                             |             |                           |                                                  |              |
| 101 | WC-02V    |                                          |                                             |             |                           |                                                  |              |
| 102 | WC-03     |                                          |                                             |             |                           |                                                  |              |
| 103 | WC-03V    |                                          |                                             |             |                           |                                                  |              |
| 104 | WC-04     |                                          |                                             |             |                           |                                                  |              |
| 105 | WC-04V    |                                          |                                             |             |                           |                                                  |              |
| 106 | WD-01     |                                          |                                             |             |                           |                                                  |              |
| 107 | WD-01V    |                                          |                                             |             |                           |                                                  |              |
| 108 | WD-02     |                                          |                                             |             |                           |                                                  |              |
| 109 | WD-02V    |                                          |                                             |             |                           |                                                  |              |
| 110 | WD-03     |                                          |                                             |             |                           |                                                  |              |
| 111 | WD-03V    |                                          |                                             |             |                           |                                                  |              |
| 112 | WD-04     |                                          |                                             |             |                           |                                                  |              |
| 113 | WD-04V    |                                          |                                             |             |                           |                                                  |              |
| 114 | WE-01     |                                          |                                             |             |                           |                                                  |              |
| 115 | WE-01V    |                                          |                                             |             |                           |                                                  |              |
| 116 | WE-01A    |                                          |                                             |             |                           |                                                  |              |
| 117 | WE-01AV   |                                          |                                             |             |                           |                                                  |              |
| 118 | WE-02     |                                          |                                             |             |                           |                                                  |              |
| 119 | WE-02V    |                                          |                                             |             |                           |                                                  |              |
| 120 | WE-03     |                                          |                                             |             |                           |                                                  |              |
| 121 | WE-03V    |                                          |                                             |             |                           |                                                  |              |
| 122 | WE-04     |                                          |                                             |             |                           |                                                  |              |
| 123 | WE-04V    |                                          |                                             |             |                           |                                                  |              |
| 124 | WE-05     |                                          |                                             |             |                           |                                                  |              |
| 125 | WE-05V    |                                          |                                             |             |                           |                                                  |              |
| 126 | WF-01     |                                          |                                             |             |                           |                                                  |              |
| 127 | WF-01V    |                                          |                                             |             |                           |                                                  |              |
| 128 | WF-02     |                                          |                                             |             |                           |                                                  |              |
| 129 | WF-02V    |                                          |                                             |             |                           |                                                  |              |
| 130 | WSA-01    |                                          |                                             |             |                           |                                                  |              |
| 131 | WSA-02    |                                          |                                             |             |                           |                                                  |              |
| 132 | WSA-03    |                                          |                                             |             |                           |                                                  |              |
| 133 | WSB-01    |                                          |                                             |             |                           |                                                  |              |
| 134 | WSB-02    |                                          |                                             |             |                           |                                                  |              |
| 135 | WSB-03    |                                          |                                             |             |                           |                                                  |              |
| 136 | WSC-01    |                                          |                                             |             |                           |                                                  |              |
| 137 | WSC-02    | ND                                       | ND                                          |             |                           |                                                  |              |

| No. | Component | OVA Reading<br>1 CM above<br>vault (PPM) | OVA<br>Reading<br>2 IN above<br>vault (PPM) | Repair/Remonitoring |                           |                                                  | Action Taken |
|-----|-----------|------------------------------------------|---------------------------------------------|---------------------|---------------------------|--------------------------------------------------|--------------|
|     |           |                                          |                                             | Repair Date         | Re-<br>monitoring<br>Date | OVA Reading<br>1 CM above<br>vault With<br>(PPM) |              |
| 138 | WSD-01    | ND                                       | ND                                          |                     |                           |                                                  |              |
| 139 | WSD-02    |                                          |                                             |                     |                           |                                                  |              |
| 140 | WSE-01    |                                          |                                             |                     |                           |                                                  |              |
| 141 | WSE-02    |                                          |                                             |                     |                           |                                                  |              |
| 142 | WSF-01    |                                          |                                             |                     |                           |                                                  |              |
| 143 | WTA-14    |                                          |                                             |                     |                           |                                                  |              |
| 144 | WTP-10    |                                          |                                             |                     |                           |                                                  |              |
| 145 | WTPA-01   |                                          |                                             |                     |                           |                                                  |              |
| 146 | WTPA-20   |                                          |                                             |                     |                           |                                                  |              |
| 147 | WTPA-25   |                                          |                                             |                     |                           |                                                  |              |
| 148 | WTPA-30   |                                          |                                             |                     |                           |                                                  |              |
| 149 | WTPA-40   |                                          |                                             |                     |                           |                                                  |              |
| 150 | WTPA-05   |                                          |                                             |                     |                           |                                                  |              |
| 151 | WTPB-01   |                                          |                                             |                     |                           |                                                  |              |
| 152 | WTPB-10   |                                          |                                             |                     |                           |                                                  |              |
| 153 | WTPB-20   |                                          |                                             |                     |                           |                                                  |              |
| 154 | WTPB-29   |                                          |                                             |                     |                           |                                                  |              |
| 155 | WTPB-34   |                                          |                                             |                     |                           |                                                  |              |
| 156 | WTPB-37   |                                          |                                             |                     |                           |                                                  |              |
| 157 | WTPB-40   |                                          |                                             |                     |                           |                                                  |              |
| 158 | WTPB-45   |                                          |                                             |                     |                           |                                                  |              |
| 159 | WTPC-05   |                                          |                                             |                     |                           |                                                  |              |
| 160 | WTPD-09   |                                          |                                             |                     |                           |                                                  |              |
| 161 | WTPE-10   |                                          |                                             |                     |                           |                                                  |              |
| 162 | WTPE-01   |                                          |                                             |                     |                           |                                                  |              |
| 163 | WTPF-05   |                                          |                                             |                     |                           |                                                  |              |
| 164 | WTPF-07   |                                          |                                             |                     |                           |                                                  |              |
| 165 | WVA-01ACH |                                          |                                             |                     |                           |                                                  |              |
| 166 | WVA-13H   |                                          |                                             |                     |                           |                                                  |              |
| 167 | WVA-14ACH |                                          |                                             |                     |                           |                                                  |              |
| 168 | WVA-15ACH |                                          |                                             |                     |                           |                                                  |              |
| 169 | WVA-24ACH |                                          |                                             |                     |                           |                                                  |              |
| 170 | WVA-25ACH |                                          |                                             |                     |                           |                                                  |              |
| 171 | WVA-MAIN1 |                                          |                                             |                     |                           |                                                  |              |
| 172 | WVA-MAIN2 |                                          |                                             |                     |                           |                                                  |              |
| 173 | WVB-01ACH |                                          |                                             |                     |                           |                                                  |              |
| 174 | WVB-18ACH |                                          |                                             |                     |                           |                                                  |              |
| 175 | WVB-29ACH |                                          |                                             |                     |                           |                                                  |              |
| 176 | WVB-45ACH |                                          |                                             |                     |                           |                                                  |              |
| 177 | WV-01ACH  |                                          |                                             |                     |                           |                                                  |              |
| 178 | WVC-14ACH |                                          |                                             |                     |                           |                                                  |              |
| 179 | WVC-01VAS |                                          |                                             |                     |                           |                                                  |              |
| 180 | WVD-01ACH |                                          |                                             |                     |                           |                                                  |              |
| 179 | WVE-01ACH |                                          |                                             |                     |                           |                                                  |              |
| 180 | WVE-16ACH | ND                                       | ND                                          |                     |                           |                                                  |              |
|     |           |                                          |                                             |                     |                           |                                                  |              |
|     |           |                                          |                                             |                     |                           |                                                  |              |

2011-05-11a

S - Box Sealed

V- Vacuum Adjusted

**City of Mountain View  
Shoreline Landfill  
Component leak check and repair form  
Site Name: 6 Acre North East**

Inspection Date: 2/21/23 Start Time: 7:00pm Finish Time: 10:45pm

Inspector Name: JASON R BEAN Instrument Used: TVA

Weather: Clear Leak Detected: NO leaks detected

*above regulatory limit*

| S. No. | Component | OVA Reading<br>1 CM above<br>vault (PPM) | OVA<br>Reading<br>2 IN above<br>vault (PPM) | Repair/Remonitoring |                           |                                               | Action Taken |
|--------|-----------|------------------------------------------|---------------------------------------------|---------------------|---------------------------|-----------------------------------------------|--------------|
|        |           |                                          |                                             | Repair Date         | Re-<br>monitoring<br>Date | OVA Reading 1<br>CM above vault<br>With (PPM) |              |
| 1      | NEA01     | ND                                       | ND                                          |                     |                           |                                               |              |
| 2      | NEA01L    |                                          |                                             |                     |                           |                                               |              |
| 3      | NEA02     |                                          |                                             |                     |                           |                                               |              |
| 4      | NEA02L    |                                          |                                             |                     |                           |                                               |              |
| 5      | NEA03     |                                          |                                             |                     |                           |                                               |              |
| 6      | NEA03L    |                                          |                                             |                     |                           |                                               |              |
| 7      | NEA04     |                                          |                                             |                     |                           |                                               |              |
| 8      | NEA04L    |                                          |                                             |                     |                           |                                               |              |
| 9      | NEA05     |                                          |                                             |                     |                           |                                               |              |
| 10     | NEA05L    |                                          |                                             |                     |                           |                                               |              |
| 11     | NEA06     |                                          |                                             |                     |                           |                                               |              |
| 12     | NEA06L    |                                          |                                             |                     |                           |                                               |              |
| 13     | NEA07     |                                          |                                             |                     |                           |                                               |              |
| 14     | NEA07L    |                                          |                                             |                     |                           |                                               |              |
| 15     | NEA08     |                                          |                                             |                     |                           |                                               |              |
| 16     | NEA08L    |                                          |                                             |                     |                           |                                               |              |
| 17     | NEA09     |                                          |                                             |                     |                           |                                               |              |
| 18     | NEA09L    |                                          |                                             |                     |                           |                                               |              |
| 19     | NEA10     |                                          |                                             |                     |                           |                                               |              |
| 20     | NEA10L    |                                          |                                             |                     |                           |                                               |              |
| 21     | NEA11     |                                          |                                             |                     |                           |                                               |              |
| 22     | NEA11L    |                                          |                                             |                     |                           |                                               |              |
| 23     | NEA12     |                                          |                                             |                     |                           |                                               |              |
| 24     | NEA12L    |                                          |                                             |                     |                           |                                               |              |
| 25     | NEA13     |                                          |                                             |                     |                           |                                               |              |
| 26     | NEA13L    |                                          |                                             |                     |                           |                                               |              |
| 27     | NEA14     | 50ppm                                    | ND                                          |                     |                           |                                               |              |
| 28     | NEA14L    | 50ppm                                    | ND                                          |                     |                           |                                               |              |
| 29     | NEA15     | 25ppm                                    | ND                                          |                     |                           |                                               |              |
| 30     | NEA15L    |                                          |                                             |                     |                           |                                               |              |
| 31     | NEA16     |                                          |                                             |                     |                           |                                               |              |
| 32     | NEA16L    |                                          |                                             |                     |                           |                                               |              |
| 33     | NEB01     |                                          |                                             |                     |                           |                                               |              |
| 34     | NEB01L    |                                          |                                             |                     |                           |                                               |              |
| 35     | NEB02     |                                          |                                             |                     |                           |                                               |              |
| 36     | NEB02L    |                                          |                                             |                     |                           |                                               |              |
| 37     | NEB03     |                                          |                                             |                     |                           |                                               |              |

ENGR. & ENVIRONMENTAL  
COMPLIANCE DIVISION

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CITY OF MOUNTAIN VIEW

| S. No. | Component | OVA Reading<br>1 CM above<br>vault (PPM) | OVA<br>Reading<br>2 IN above<br>vault (PPM) | Repair/Remonitoring |                           |                                               | Action Taken |
|--------|-----------|------------------------------------------|---------------------------------------------|---------------------|---------------------------|-----------------------------------------------|--------------|
|        |           |                                          |                                             | Repair Date         | Re-<br>monitoring<br>Date | OVA Reading 1<br>CM above vault<br>With (PPM) |              |
| 38     | NEB03L    | ND                                       | ND                                          |                     |                           |                                               |              |
| 39     | NEB04     |                                          |                                             |                     |                           |                                               |              |
| 40     | NEB04L    |                                          |                                             |                     |                           |                                               |              |
| 41     | NEB05     |                                          |                                             |                     |                           |                                               |              |
| 42     | NEB05L    |                                          |                                             |                     |                           |                                               |              |
| 43     | NEB06     |                                          |                                             |                     |                           |                                               |              |
| 44     | NEB06L    |                                          |                                             |                     |                           |                                               |              |
| 45     | NEB07     |                                          |                                             |                     |                           |                                               |              |
| 46     | NEB07L    |                                          |                                             |                     |                           |                                               |              |
| 47     | NEB08     |                                          |                                             |                     |                           |                                               |              |
| 48     | NEB08L    |                                          |                                             |                     |                           |                                               |              |
| 49     | NEB09     |                                          |                                             |                     |                           |                                               |              |
| 50     | NEB09L    |                                          |                                             |                     |                           |                                               |              |
| 51     | NEB10     |                                          |                                             |                     |                           |                                               |              |
| 52     | NEB10L    |                                          |                                             |                     |                           |                                               |              |
| 53     | NEB11     |                                          |                                             |                     |                           |                                               |              |
| 54     | NEB11L    |                                          |                                             |                     |                           |                                               |              |
| 55     | NEB12     |                                          |                                             |                     |                           |                                               |              |
| 56     | NEB12L    |                                          |                                             |                     |                           |                                               |              |
| 57     | NEB13     |                                          |                                             |                     |                           |                                               |              |
| 58     | NEB13L    |                                          |                                             |                     |                           |                                               |              |
| 59     | NEB14     |                                          |                                             |                     |                           |                                               |              |
| 60     | NEB14L    |                                          |                                             |                     |                           |                                               |              |
| 61     | NEC01     |                                          |                                             |                     |                           |                                               |              |
| 62     | NEC01L    |                                          |                                             |                     |                           |                                               |              |
| 63     | NEC02     |                                          |                                             |                     |                           |                                               |              |
| 64     | NEC02L    |                                          |                                             |                     |                           |                                               |              |
| 65     | NEC03     |                                          |                                             |                     |                           |                                               |              |
| 66     | NEC03L    |                                          |                                             |                     |                           |                                               |              |
| 67     | NED01     |                                          |                                             |                     |                           |                                               |              |
| 68     | NED01L    |                                          |                                             |                     |                           |                                               |              |
| 69     | NED02     |                                          |                                             |                     |                           |                                               |              |
| 70     | NED02L    |                                          |                                             |                     |                           |                                               |              |
| 71     | NED03     |                                          |                                             |                     |                           |                                               |              |
| 72     | NED03L    |                                          |                                             |                     |                           |                                               |              |
| 73     | NEE01     |                                          |                                             |                     |                           |                                               |              |
| 74     | NEE01L    |                                          |                                             |                     |                           |                                               |              |
| 75     | NEE02     |                                          |                                             |                     |                           |                                               |              |
| 76     | NEE02L    |                                          |                                             |                     |                           |                                               |              |
| 77     | NEE03     |                                          |                                             |                     |                           |                                               |              |
| 78     | NEE03L    |                                          |                                             |                     |                           |                                               |              |
| 79     | NEE04     |                                          |                                             |                     |                           |                                               |              |
| 80     | NEE04L    |                                          |                                             |                     |                           |                                               |              |
| 81     | NEE05     |                                          |                                             |                     |                           |                                               |              |
| 82     | NEE05L    |                                          |                                             |                     |                           |                                               |              |
| 83     | NEE06     |                                          |                                             |                     |                           |                                               |              |
| 84     | NEE06L    |                                          |                                             |                     |                           |                                               |              |
| 85     | NESE02    |                                          |                                             |                     |                           |                                               |              |
| 86     | NESE01    |                                          |                                             |                     |                           |                                               |              |

| S. No. | Component | OVA Reading<br>1 CM above<br>vault (PPM) | OVA<br>Reading<br>2 IN above<br>vault (PPM) | Repair/Remonitoring |                           |                                               |              |
|--------|-----------|------------------------------------------|---------------------------------------------|---------------------|---------------------------|-----------------------------------------------|--------------|
|        |           |                                          |                                             | Repair Date         | Re-<br>monitoring<br>Date | OVA Reading 1<br>CM above vault<br>With (PPM) | Action Taken |
| 87     | NESB05    | ND                                       | ND                                          |                     |                           |                                               |              |
| 88     | NESB04    |                                          |                                             |                     |                           |                                               |              |
| 89     | NESB03    |                                          |                                             |                     |                           |                                               |              |
| 90     | NESB02    |                                          |                                             |                     |                           |                                               |              |
| 91     | NESB01    |                                          |                                             |                     |                           |                                               |              |
| 92     | NESD01    |                                          |                                             |                     |                           |                                               |              |
| 93     | NESA05    |                                          |                                             |                     |                           |                                               |              |
| 94     | NESA04    |                                          |                                             |                     |                           |                                               |              |
| 95     | NESA03    |                                          |                                             |                     |                           |                                               |              |
| 96     | NESA02    |                                          |                                             |                     |                           |                                               |              |
| 97     | NESA01    |                                          |                                             |                     |                           |                                               |              |
| 98     | NESE04    |                                          |                                             |                     |                           |                                               |              |
| 99     | NESE03    |                                          |                                             |                     |                           |                                               |              |
| 100    | NECVA01   |                                          |                                             |                     |                           |                                               |              |
| 101    | NECVA02   |                                          |                                             |                     |                           |                                               |              |
| 102    | NECVA03   |                                          |                                             |                     |                           |                                               |              |
| 103    | NECVA04   |                                          |                                             |                     |                           |                                               |              |
| 104    | NECVB01   |                                          |                                             |                     |                           |                                               |              |
| 105    | NECVB02   |                                          |                                             |                     |                           |                                               |              |
| 106    | NECVB03   |                                          |                                             |                     |                           |                                               |              |
| 107    | NECVB04   |                                          |                                             |                     |                           |                                               |              |
| 108    | NECVB05   |                                          |                                             |                     |                           |                                               |              |
| 109    | NECVC01   |                                          |                                             |                     |                           |                                               |              |
| 110    | NECVD01   |                                          |                                             |                     |                           |                                               |              |
| 111    | NECVD02   |                                          |                                             |                     |                           |                                               |              |
| 112    | NECVE03   |                                          |                                             |                     |                           |                                               |              |
| 113    | NECVE02   |                                          |                                             |                     |                           |                                               |              |
| 114    | NECVE01   |                                          |                                             |                     |                           |                                               |              |
| 115    | 6ANEMCV   |                                          |                                             |                     |                           |                                               |              |
| 116    | NEGVA01   |                                          |                                             |                     |                           |                                               |              |
| 117    | NEGVA02   |                                          |                                             |                     |                           |                                               |              |
| 118    | NEGVA03   |                                          |                                             |                     |                           |                                               |              |
| 119    | NEGVA04   |                                          |                                             |                     |                           |                                               |              |
| 120    | NEGVB01   |                                          |                                             |                     |                           |                                               |              |
| 121    | NEGVB02   |                                          |                                             |                     |                           |                                               |              |
| 122    | NEGVB03   |                                          |                                             |                     |                           |                                               |              |
| 123    | NEGVB04   |                                          |                                             |                     |                           |                                               |              |
| 124    | NEGVB05   |                                          |                                             |                     |                           |                                               |              |
| 125    | NEGVC01   |                                          |                                             |                     |                           |                                               |              |
| 126    | NEGVD01   |                                          |                                             |                     |                           |                                               |              |
| 127    | NEGVD02   |                                          |                                             |                     |                           |                                               |              |
| 128    | NEGVE03   |                                          |                                             |                     |                           |                                               |              |
| 129    | NEGVE02   |                                          |                                             |                     |                           |                                               |              |
| 130    | NEGVE01   |                                          |                                             |                     |                           |                                               |              |
| 131    | NETPA01W  |                                          |                                             |                     |                           |                                               |              |
| 132    | NETPA01E  |                                          |                                             |                     |                           |                                               |              |
| 133    | NETPA02N  |                                          |                                             |                     |                           |                                               |              |
| 134    | NETPA02S  |                                          |                                             |                     |                           |                                               |              |
| 135    | NETPA03S  |                                          |                                             |                     |                           |                                               |              |



**City of Mountain View  
Shoreline Landfill  
Component Leak Check and Repair Form  
Site Name: Front Nine**

Inspection Date: 2/22/23 Start Time: 7:00 AM Finish Time: 11:00 AM

Inspector Name: Jason R. Bean Instrument Used: TVA

Weather: Clear Leak Detected: No leaks detected

*above regulatory limit*

| No. | Component | OVA Reading<br>1 CM above<br>vault (PPM) | OVA<br>Reading<br>2 IN above<br>vault (PPM) | Repair/Remonitoring |                           |                                               | Action Taken |
|-----|-----------|------------------------------------------|---------------------------------------------|---------------------|---------------------------|-----------------------------------------------|--------------|
|     |           |                                          |                                             | Repair Date         | Re-<br>monitoring<br>Date | OVA Reading 1<br>CM above vault<br>With (PPM) |              |
| 1   | A-05      | ND                                       | ND                                          |                     |                           |                                               |              |
| 2   | A0-5V     |                                          |                                             |                     |                           |                                               |              |
| 3   | A-16      |                                          |                                             |                     |                           |                                               |              |
| 4   | A-16V     |                                          |                                             |                     |                           |                                               |              |
| 5   | AC-01     |                                          |                                             |                     |                           |                                               |              |
| 6   | AC-10     |                                          |                                             |                     |                           |                                               |              |
| 7   | AC-11     |                                          |                                             |                     |                           |                                               |              |
| 8   | AC-12     |                                          |                                             |                     |                           |                                               |              |
| 9   | AC-02     |                                          |                                             |                     |                           |                                               |              |
| 10  | AC-03     |                                          |                                             |                     |                           |                                               |              |
| 11  | AC-04     |                                          |                                             |                     |                           |                                               |              |
| 12  | AC-05     |                                          |                                             |                     |                           |                                               |              |
| 13  | AC-06     |                                          |                                             |                     |                           |                                               |              |
| 14  | AC-07     |                                          |                                             |                     |                           |                                               |              |
| 15  | AC-08     |                                          |                                             |                     |                           |                                               |              |
| 16  | AC-09     |                                          |                                             |                     |                           |                                               |              |
| 17  | B-12      |                                          |                                             |                     |                           |                                               |              |
| 18  | B-12V     |                                          |                                             |                     |                           |                                               |              |
| 19  | B-02      |                                          |                                             |                     |                           |                                               |              |
| 20  | B-02V     |                                          |                                             |                     |                           |                                               |              |
| 21  | B-20      |                                          |                                             |                     |                           |                                               |              |
| 22  | B-20V     |                                          |                                             |                     |                           |                                               |              |
| 23  | B-24      |                                          |                                             |                     |                           |                                               |              |
| 24  | B-24V     |                                          |                                             |                     |                           |                                               |              |
| 25  | B-28      |                                          |                                             |                     |                           |                                               |              |
| 26  | B-28V     |                                          |                                             |                     |                           |                                               |              |
| 27  | B-03      |                                          |                                             |                     |                           |                                               |              |
| 28  | B-03V     |                                          |                                             |                     |                           |                                               |              |
| 29  | B-04      |                                          |                                             |                     |                           |                                               |              |
| 30  | B-04V     |                                          |                                             |                     |                           |                                               |              |
| 31  | FHZ-01    |                                          |                                             |                     |                           |                                               |              |
| 32  | FHZ-02    |                                          |                                             |                     |                           |                                               |              |
| 33  | FHZ-03    |                                          |                                             |                     |                           |                                               |              |
| 34  | FHZ-04    |                                          |                                             |                     |                           |                                               |              |
| 35  | FHZ-05    |                                          |                                             |                     |                           |                                               |              |
| 36  | FS-01     |                                          |                                             |                     |                           |                                               |              |
| 37  | FS-10     |                                          |                                             |                     |                           |                                               |              |

ENGR. & ENVIRONMENTAL  
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CITY OF MOUNTAIN VIEW

| No. | Component | OVA Reading<br>1 CM above<br>vault (PPM) | OVA<br>Reading 2<br>IN above<br>vault (PPM) | Repair/Remonitoring |                           |                                               | Action Taken |
|-----|-----------|------------------------------------------|---------------------------------------------|---------------------|---------------------------|-----------------------------------------------|--------------|
|     |           |                                          |                                             | Repair Date         | Re-<br>monitoring<br>Date | OVA Reading 1<br>CM above vault<br>With (PPM) |              |
| 38  | FS-11     | ND                                       | ND                                          |                     |                           |                                               |              |
| 39  | FS-12     |                                          |                                             |                     |                           |                                               |              |
| 40  | FS-13     |                                          |                                             |                     |                           |                                               |              |
| 41  | FS-14     |                                          |                                             |                     |                           |                                               |              |
| 42  | FS-02     |                                          |                                             |                     |                           |                                               |              |
| 43  | FS-03     |                                          |                                             |                     |                           |                                               |              |
| 44  | FS-04     |                                          |                                             |                     |                           |                                               |              |
| 45  | FS-05     |                                          |                                             |                     |                           |                                               |              |
| 46  | FS-06     |                                          |                                             |                     |                           |                                               |              |
| 47  | FS-07     |                                          |                                             |                     |                           |                                               |              |
| 48  | FS-08     |                                          |                                             |                     |                           |                                               |              |
| 49  | FS-09     |                                          |                                             |                     |                           |                                               |              |
| 50  | FTY-02    |                                          |                                             |                     |                           |                                               |              |
| 51  | FYV-2H    |                                          |                                             |                     |                           |                                               |              |
| 52  | HVA-02    |                                          |                                             |                     |                           |                                               |              |
| 53  | HVB-01    |                                          |                                             |                     |                           |                                               |              |
| 54  | HVD-01    |                                          |                                             |                     |                           |                                               |              |
| 55  | LE-01     |                                          |                                             |                     |                           |                                               |              |
| 56  | LE-01V    |                                          |                                             |                     |                           |                                               |              |
| 57  | LE--02    |                                          |                                             |                     |                           |                                               |              |
| 58  | LE-02V    |                                          |                                             |                     |                           |                                               |              |
| 59  | LE-03     |                                          |                                             |                     |                           |                                               |              |
| 60  | LE-03V    |                                          |                                             |                     |                           |                                               |              |
| 61  | LE-04     |                                          |                                             |                     |                           |                                               |              |
| 62  | LE-04V    |                                          |                                             |                     |                           |                                               |              |
| 63  | MPHZV     |                                          |                                             |                     |                           |                                               |              |
| 64  | SC-01AV   |                                          |                                             |                     |                           |                                               |              |
| 65  | SC-02AV   |                                          |                                             |                     |                           |                                               |              |
| 66  | SC03AV    |                                          |                                             |                     |                           |                                               |              |
| 67  | SCHDR-01  |                                          |                                             |                     |                           |                                               |              |
| 68  | TPA-01    |                                          |                                             |                     |                           |                                               |              |
| 69  | TPA-02    |                                          |                                             |                     |                           |                                               |              |
| 70  | TPA-03    |                                          |                                             |                     |                           |                                               |              |
| 71  | TPA-04    |                                          |                                             |                     |                           |                                               |              |
| 72  | TPA-05    |                                          |                                             |                     |                           |                                               |              |
| 73  | TPA-06    |                                          |                                             |                     |                           |                                               |              |
| 74  | TPA-07    |                                          |                                             |                     |                           |                                               |              |
| 75  | TPA-08    |                                          |                                             |                     |                           |                                               |              |
| 76  | TPB-01    |                                          |                                             |                     |                           |                                               |              |
| 77  | TPB-02    |                                          |                                             |                     |                           |                                               |              |
| 78  | TPB-03    |                                          |                                             |                     |                           |                                               |              |
| 79  | TPB-04    |                                          |                                             |                     |                           |                                               |              |
| 80  | TPB-05    |                                          |                                             |                     |                           |                                               |              |
| 81  | TPB-06    |                                          |                                             |                     |                           |                                               |              |
| 82  | TPB-06A   |                                          |                                             |                     |                           |                                               |              |
| 83  | TPB0-7    |                                          |                                             |                     |                           |                                               |              |
| 84  | TPB-08    |                                          |                                             |                     |                           |                                               |              |
| 85  | TPD-01A   |                                          |                                             |                     |                           |                                               |              |
| 86  | TPY-01    |                                          |                                             |                     |                           |                                               |              |





**City of Mountain View  
Shoreline Landfill  
Component leak check and repair form  
Site Name: Crittenden**

Inspection Date: 3/7/23 Start Time: 10:00 AM Finish Time: 2:00 PM

Inspector Name: Adrian Vega Instrument Used: TVA 2020 / Greater

Weather: Clear Leak Detected: NO leaks detected  
Above Regulatory Limit

| No. | Component     | OVA Reading<br>1 CM above<br>vault (PPM) | OVA Reading<br>2 IN above<br>vault (PPM) | Repair/Remonitoring |                       |                                               | Action Taken |
|-----|---------------|------------------------------------------|------------------------------------------|---------------------|-----------------------|-----------------------------------------------|--------------|
|     |               |                                          |                                          | Repair<br>Date      | Re-monitoring<br>Date | OVA Reading 1<br>CM above vault<br>With (PPM) |              |
| 1   | A/BHDRCON     | ND                                       | ND                                       |                     |                       |                                               |              |
| 2   | B/CHDRCON     |                                          |                                          |                     |                       |                                               |              |
| 3   | CDHDRCON      |                                          |                                          |                     |                       |                                               |              |
| 4   | CRA-01        |                                          |                                          |                     |                       |                                               |              |
| 5   | CRA-01V       |                                          |                                          |                     |                       |                                               |              |
| 6   | CRA-02R       |                                          |                                          |                     |                       |                                               |              |
| 7   | CRA-02RV      |                                          |                                          |                     |                       |                                               |              |
| 8   | CRA-03        |                                          |                                          |                     |                       |                                               |              |
| 9   | CRA-03V       |                                          |                                          |                     |                       |                                               |              |
| 10  | CRA-04        |                                          |                                          |                     |                       |                                               |              |
| 11  | CRA-04V       |                                          |                                          |                     |                       |                                               |              |
| 12  | CRA-05R       |                                          |                                          |                     |                       |                                               |              |
| 13  | CRA-05RV      |                                          |                                          |                     |                       |                                               |              |
| 14  | CRA-06        |                                          |                                          |                     |                       |                                               |              |
| 15  | CRA-06V       |                                          |                                          |                     |                       |                                               |              |
| 16  | CR07          |                                          |                                          |                     |                       |                                               |              |
| 17  | CRA-07V       |                                          |                                          |                     |                       |                                               |              |
| 18  | CRA-08        |                                          |                                          |                     |                       |                                               |              |
| 19  | CRA-08V       |                                          |                                          |                     |                       |                                               |              |
| 20  | CRA-09        |                                          |                                          |                     |                       |                                               |              |
| 21  | CRA-09V       |                                          |                                          |                     |                       |                                               |              |
| 22  | CRA-10        |                                          |                                          |                     |                       |                                               |              |
| 23  | CRA-10V       |                                          |                                          |                     |                       |                                               |              |
| 24  | CRA-11        |                                          |                                          |                     |                       |                                               |              |
| 25  | CRA-11V       |                                          |                                          |                     |                       |                                               |              |
| 26  | CRA-12        |                                          |                                          |                     |                       |                                               |              |
| 27  | CRA-12V       |                                          |                                          |                     |                       |                                               |              |
| 28  | CRA-13        |                                          |                                          |                     |                       |                                               |              |
| 29  | CRA-13V       |                                          |                                          |                     |                       |                                               |              |
| 30  | CRB-01        |                                          |                                          |                     |                       |                                               |              |
| 31  | CRB-01 Bottom |                                          |                                          |                     |                       |                                               |              |
| 32  | CRB1VA Top    |                                          |                                          |                     |                       |                                               |              |
| 33  | CRB-02        |                                          |                                          |                     |                       |                                               |              |
| 34  | CRB2VA Bottom |                                          |                                          |                     |                       |                                               |              |
| 35  | CRB2VA Top    |                                          |                                          |                     |                       |                                               |              |
| 36  | CRB-03        |                                          |                                          |                     |                       |                                               |              |
| 37  | CRB3VA Bottom |                                          |                                          |                     |                       |                                               |              |
| 38  | CRB3VA Top    | ND                                       | ND                                       |                     |                       |                                               |              |

ENGR. & ENVIRONMENTAL  
COMPLIANCE DIVISION

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CITY OF MOUNTAIN VIEW

| No. | Component      | OVA Reading<br>1 CM above<br>vault (PPM) | OVA Reading<br>2 IN above<br>vault (PPM) | Repair/Remonitoring |                       |                                               |              |
|-----|----------------|------------------------------------------|------------------------------------------|---------------------|-----------------------|-----------------------------------------------|--------------|
|     |                |                                          |                                          | Repair<br>Date      | Re-monitoring<br>Date | OVA Reading 1<br>CM above vault<br>With (PPM) | Action Taken |
| 39  | CRB-04         | ND                                       | ND                                       |                     |                       |                                               |              |
| 40  | CRB4VA Bottom  |                                          |                                          |                     |                       |                                               |              |
| 41  | CRB4VA Top     |                                          |                                          |                     |                       |                                               |              |
| 42  | CRB-05         |                                          |                                          |                     |                       |                                               |              |
| 43  | CRB5VA Bottom  |                                          |                                          |                     |                       |                                               |              |
| 44  | CRB5VA Top     |                                          |                                          |                     |                       |                                               |              |
| 45  | CRB-06         |                                          |                                          |                     |                       |                                               |              |
| 46  | CRB6VA Bottom  |                                          |                                          |                     |                       |                                               |              |
| 47  | CRB6VA Top     |                                          |                                          |                     |                       |                                               |              |
| 48  | CRB-07R        |                                          |                                          |                     |                       |                                               |              |
| 49  | CRB7RVA Top    |                                          |                                          |                     |                       |                                               |              |
| 50  | CRB7RVA Bottom |                                          |                                          |                     |                       |                                               |              |
| 51  | CRB7VA Top     |                                          |                                          |                     |                       |                                               |              |
| 52  | CRB7VA Bottom  |                                          |                                          |                     |                       |                                               |              |
| 53  | CRB-08         |                                          |                                          |                     |                       |                                               |              |
| 54  | CRB8VA Top     |                                          |                                          |                     |                       |                                               |              |
| 55  | CRB8VA Bottom  |                                          |                                          |                     |                       |                                               |              |
| 56  | CRC-01         |                                          |                                          |                     |                       |                                               |              |
| 57  | CRC1VA         |                                          |                                          |                     |                       |                                               |              |
| 58  | CRC-02         |                                          |                                          |                     |                       |                                               |              |
| 59  | CRC2VA         |                                          |                                          |                     |                       |                                               |              |
| 60  | CRC-03         |                                          |                                          |                     |                       |                                               |              |
| 61  | CRC3VA         |                                          |                                          |                     |                       |                                               |              |
| 62  | CRC-04         |                                          |                                          |                     |                       |                                               |              |
| 63  | CRC4VA         |                                          |                                          |                     |                       |                                               |              |
| 64  | CRD-01         |                                          |                                          |                     |                       |                                               |              |
| 65  | CRD1VA         |                                          |                                          |                     |                       |                                               |              |
| 66  | CRD-02         |                                          |                                          |                     |                       |                                               |              |
| 67  | CRD2VA         |                                          |                                          |                     |                       |                                               |              |
| 68  | CRD-03         |                                          |                                          |                     |                       |                                               |              |
| 69  | CRD3VA         |                                          |                                          |                     |                       |                                               |              |
| 70  | CRD-04         |                                          |                                          |                     |                       |                                               |              |
| 71  | CRD-04VA       |                                          |                                          |                     |                       |                                               |              |
| 72  | CRD-05         |                                          |                                          |                     |                       |                                               |              |
| 73  | CRD5VA         |                                          |                                          |                     |                       |                                               |              |
| 74  | CRD-06         |                                          |                                          |                     |                       |                                               |              |
| 75  | CRD6VA         |                                          |                                          |                     |                       |                                               |              |
| 76  | CRD-07         |                                          |                                          |                     |                       |                                               |              |
| 77  | CRD7VA         |                                          |                                          |                     |                       |                                               |              |
| 78  | CRD-08         |                                          |                                          |                     |                       |                                               |              |
| 79  | CRD8VA         |                                          |                                          |                     |                       |                                               |              |
| 80  | CRD-09         |                                          |                                          |                     |                       |                                               |              |
| 81  | CRD9VA         |                                          |                                          |                     |                       |                                               |              |
| 82  | CRD10          |                                          |                                          |                     |                       |                                               |              |
| 83  | CRD10VA        |                                          |                                          |                     |                       |                                               |              |
| 84  | CRD11          |                                          |                                          |                     |                       |                                               |              |
| 85  | CRD11VA        |                                          |                                          |                     |                       |                                               |              |
| 86  | CRDAVA         |                                          |                                          |                     |                       |                                               |              |
| 87  | CRH5TP         | ND                                       | ND                                       |                     |                       |                                               |              |

| No. | Component  | OVA Reading<br>1 CM above<br>vault (PPM) | OVA Reading<br>2 IN above<br>vault (PPM) | Repair/Remonitoring |                       |                                               | Action Taken |
|-----|------------|------------------------------------------|------------------------------------------|---------------------|-----------------------|-----------------------------------------------|--------------|
|     |            |                                          |                                          | Repair<br>Date      | Re-monitoring<br>Date | OVA Reading 1<br>CM above vault<br>With (PPM) |              |
| 88  | CRHV8TP    | ND                                       | ND                                       |                     |                       |                                               |              |
| 89  | CRHVA10TP  |                                          |                                          |                     |                       |                                               |              |
| 90  | CRHVA4TP   |                                          |                                          |                     |                       |                                               |              |
| 91  | CRHVB1TP   |                                          |                                          |                     |                       |                                               |              |
| 92  | CRHVB3TP   |                                          |                                          |                     |                       |                                               |              |
| 93  | CRHVB5TP   |                                          |                                          |                     |                       |                                               |              |
| 94  | CRHVD8TP   |                                          |                                          |                     |                       |                                               |              |
| 95  | CRS1       |                                          |                                          |                     |                       |                                               |              |
| 96  | CRS2       |                                          |                                          |                     |                       |                                               |              |
| 97  | CRS3       |                                          |                                          |                     |                       |                                               |              |
| 98  | CRS4       |                                          |                                          |                     |                       |                                               |              |
| 99  | CRS6A      |                                          |                                          |                     |                       |                                               |              |
| 100 | CRV5AC     |                                          |                                          |                     |                       |                                               |              |
| 101 | CRVA1ACTP  |                                          |                                          |                     |                       |                                               |              |
| 102 | CRVA2ACTP3 |                                          |                                          |                     |                       |                                               |              |
| 103 | CRVA6AC    |                                          |                                          |                     |                       |                                               |              |
| 104 | CRVA7AC    |                                          |                                          |                     |                       |                                               |              |
| 105 | CRVAC3TP6  |                                          |                                          |                     |                       |                                               |              |
| 106 | CRVAMAIN   |                                          |                                          |                     |                       |                                               |              |
| 107 | CRVB1AC    |                                          |                                          |                     |                       |                                               |              |
| 108 | CRVB2ACTP  |                                          |                                          |                     |                       |                                               |              |
| 109 | CRVB3ACTP4 |                                          |                                          |                     |                       |                                               |              |
| 110 | CRVB4AC    |                                          |                                          |                     |                       |                                               |              |
| 111 | CRVC1AC    |                                          |                                          |                     |                       |                                               |              |
| 112 | CRVC3AC    |                                          |                                          |                     |                       |                                               |              |
| 113 | CRVCAC2TP  |                                          |                                          |                     |                       |                                               |              |
| 114 | CRVD1AC    |                                          |                                          |                     |                       |                                               |              |
| 115 | CRVD2AC    |                                          |                                          |                     |                       |                                               |              |
| 116 | CRVD3AC    |                                          |                                          |                     |                       |                                               |              |
| 117 | CRVD5AC    |                                          |                                          |                     |                       |                                               |              |
| 118 | CRVH2TP    |                                          |                                          |                     |                       |                                               |              |
| 119 | CRVH4AC    |                                          |                                          |                     |                       |                                               |              |
| 120 | CRVHA9TP   |                                          |                                          |                     |                       |                                               |              |
| 121 | CRVHB6TP   |                                          |                                          |                     |                       |                                               |              |
| 122 | CRVHC1TP   |                                          |                                          |                     |                       |                                               |              |
| 123 | CRVHC3TP   |                                          |                                          |                     |                       |                                               |              |
| 124 | CRVHC4TP   |                                          |                                          |                     |                       |                                               |              |
| 125 | CRVHD1     |                                          |                                          |                     |                       |                                               |              |
| 126 | CRVHD3TP   |                                          |                                          |                     |                       |                                               |              |
| 127 | CRVHD5TP   |                                          |                                          |                     |                       |                                               |              |
| 128 | CRVHDNORTH |                                          |                                          |                     |                       |                                               |              |
| 129 | CRVHMAIN   |                                          |                                          |                     |                       |                                               |              |
| 130 | CTPA11     |                                          |                                          |                     |                       |                                               |              |
| 131 | CTPA7      |                                          |                                          |                     |                       |                                               |              |
| 132 | CTPD1      |                                          |                                          |                     |                       |                                               |              |
| 133 | CTPD10     |                                          |                                          |                     |                       |                                               |              |
| 134 | CTPD11     |                                          |                                          |                     |                       |                                               |              |
| 135 | CTPD2      |                                          |                                          |                     |                       |                                               |              |
| 136 | CTPD4      | ND                                       | ND                                       |                     |                       |                                               |              |

| No. | Component | OVA Reading<br>1 CM above<br>vault (PPM) | OVA Reading<br>2 IN above<br>vault (PPM) | Repair/Remonitoring |                       |                                               | Action Taken |
|-----|-----------|------------------------------------------|------------------------------------------|---------------------|-----------------------|-----------------------------------------------|--------------|
|     |           |                                          |                                          | Repair<br>Date      | Re-monitoring<br>Date | OVA Reading 1<br>CM above vault<br>With (PPM) |              |
| 137 | CTPD9     | ND                                       | ND                                       |                     |                       |                                               |              |
| 138 | CVT1      |                                          |                                          |                     |                       |                                               |              |
| 139 | CVT2      |                                          |                                          |                     |                       |                                               |              |
| 140 | CVT4      |                                          |                                          |                     |                       |                                               |              |
| 141 | CVT5      |                                          |                                          |                     |                       |                                               |              |
| 142 | CVT6      |                                          |                                          |                     |                       |                                               |              |
| 143 | CVT7      |                                          |                                          |                     |                       |                                               |              |
| 144 | CVT8      |                                          |                                          |                     |                       |                                               |              |
| 145 | CVTA1     |                                          |                                          |                     |                       |                                               |              |
| 146 | CVTB1/2   |                                          |                                          |                     |                       |                                               |              |
| 147 | CVTC1/2   |                                          |                                          |                     |                       |                                               |              |
| 148 | CVTD1/2   |                                          |                                          |                     |                       |                                               |              |
| 149 | CVTF-1/2  |                                          |                                          |                     |                       |                                               |              |
| 150 | CVTG1     |                                          |                                          |                     |                       |                                               |              |
| 151 | EFHDRCON  |                                          |                                          |                     |                       |                                               |              |
| 152 | FGHDRCON  |                                          |                                          |                     |                       |                                               |              |
| 153 | CS1       |                                          |                                          |                     |                       |                                               |              |
| 154 | CS10      |                                          |                                          |                     |                       |                                               |              |
| 155 | CS11      |                                          |                                          |                     |                       |                                               |              |
| 156 | CS12      |                                          |                                          |                     |                       |                                               |              |
| 157 | CS13      |                                          |                                          |                     |                       |                                               |              |
| 158 | CS14      |                                          |                                          |                     |                       |                                               |              |
| 159 | CS15      |                                          |                                          |                     |                       |                                               |              |
| 160 | CS17      |                                          |                                          |                     |                       |                                               |              |
| 161 | CS18      |                                          |                                          |                     |                       |                                               |              |
| 162 | CS2       |                                          |                                          |                     |                       |                                               |              |
| 163 | CS3       |                                          |                                          |                     |                       |                                               |              |
| 164 | CS4       |                                          |                                          |                     |                       |                                               |              |
| 165 | CS5       |                                          |                                          |                     |                       |                                               |              |
| 166 | CS6       |                                          |                                          |                     |                       |                                               |              |
| 167 | CS7       |                                          |                                          |                     |                       |                                               |              |
| 168 | CS8       |                                          |                                          |                     |                       |                                               |              |
| 169 | CS9       | ND                                       | ND                                       |                     |                       |                                               |              |
|     |           | T=Top                                    | B=Bottom                                 |                     |                       |                                               | 2011-05-11a  |

S - Box Sealed  
V - Vacuum Adjusted

**City of Mountain View  
Shoreline Landfill  
Component leak check and repair form  
Site Name: NORTSHORE**

Inspection Date: 3/7/23 Start Time: 10:30 AM Finish Time: 8:30 AM

Inspector Name: Adrian Vega Instrument Used: TVA 2020 / Oyster

Weather: \_\_\_\_\_ Leak detected: No leaks detected Above Regulatory Limits

| No. | Component | OVA Reading 1 CM above vault (PPM) | OVA Reading 2 IN above vault (PPM) | Repair/Remonitoring |                    |                                         |              |
|-----|-----------|------------------------------------|------------------------------------|---------------------|--------------------|-----------------------------------------|--------------|
|     |           |                                    |                                    | Repair Date         | Re-monitoring Date | OVA Reading 1 CM above vault With (PPM) | Action Taken |
| 1   | WN-01     | ND                                 | ND                                 |                     |                    |                                         |              |
| 2   | WN-01V    |                                    |                                    |                     |                    |                                         |              |
| 3   | WN-02     |                                    |                                    |                     |                    |                                         |              |
| 4   | WN-02V    |                                    |                                    |                     |                    |                                         |              |
| 5   | WN-03R    |                                    |                                    |                     |                    |                                         |              |
| 6   | WN-03RV   |                                    |                                    |                     |                    |                                         |              |
| 7   | WN-04     |                                    |                                    |                     |                    |                                         |              |
| 8   | WN-04V    |                                    |                                    |                     |                    |                                         |              |
| 9   | WN-04A    |                                    |                                    |                     |                    |                                         |              |
| 10  | WN-04AV   |                                    |                                    |                     |                    |                                         |              |
| 11  | WN-05     |                                    |                                    |                     |                    |                                         |              |
| 12  | WN-05V    |                                    |                                    |                     |                    |                                         |              |
| 13  | WN-06     |                                    |                                    |                     |                    |                                         |              |
| 14  | WN-06V    |                                    |                                    |                     |                    |                                         |              |
| 15  | WN-07     |                                    |                                    |                     |                    |                                         |              |
| 16  | WN-07V    |                                    |                                    |                     |                    |                                         |              |
| 17  | WN-08     |                                    |                                    |                     |                    |                                         |              |
| 18  | WN-08V    |                                    |                                    |                     |                    |                                         |              |
| 19  | WN-09     |                                    |                                    |                     |                    |                                         |              |
| 20  | WN-09V    |                                    |                                    |                     |                    |                                         |              |
| 21  | WN-10     |                                    |                                    |                     |                    |                                         |              |
| 22  | WN-10V    |                                    |                                    |                     |                    |                                         |              |
| 23  | WN-11     |                                    |                                    |                     |                    |                                         |              |
| 24  | WN-11V    |                                    |                                    |                     |                    |                                         |              |
| 25  | WN-12     |                                    |                                    |                     |                    |                                         |              |
| 26  | WN-12V    |                                    |                                    |                     |                    |                                         |              |
| 27  | WN-13     |                                    |                                    |                     |                    |                                         |              |
| 28  | WN-13V    |                                    |                                    |                     |                    |                                         |              |
| 29  | WSN-01    |                                    |                                    |                     |                    |                                         |              |
| 30  | WSN-02    |                                    |                                    |                     |                    |                                         |              |
| 31  | WSN-03    |                                    |                                    |                     |                    |                                         |              |
| 32  | WSN-04    |                                    |                                    |                     |                    |                                         |              |
| 33  | WSN-05    |                                    |                                    |                     |                    |                                         |              |
| 34  | WTPN-13   |                                    |                                    |                     |                    |                                         |              |
| 35  | WTPN-15   |                                    |                                    |                     |                    |                                         |              |
| 36  | WTPN-49   |                                    |                                    |                     |                    |                                         |              |
| 37  | WTPN-50   | ND                                 | ND                                 |                     |                    |                                         |              |

ENGR. & ENVIRONMENTAL  
COMPLIANCE DIVISION

MAR 31 2023

CITY OF MOUNTAIN VIEW

| No. | Component  | OVA Reading 1 CM above vault (PPM) | OVA Reading 2 IN above vault (PPM) | Repair/Remonitoring |                    |                                         |              |
|-----|------------|------------------------------------|------------------------------------|---------------------|--------------------|-----------------------------------------|--------------|
|     |            |                                    |                                    | Repair Date         | Re-monitoring Date | OVA Reading 1 CM above vault With (PPM) | Action Taken |
| 38  | WTPN-06    | ND                                 | ND                                 |                     |                    |                                         |              |
| 39  | WTPN-60    |                                    |                                    |                     |                    |                                         |              |
| 40  | WTPN-70    |                                    |                                    |                     |                    |                                         |              |
| 41  | WTPN-78    |                                    |                                    |                     |                    |                                         |              |
| 42  | WVN-50ACH  |                                    |                                    |                     |                    |                                         |              |
| 43  | WVN-01ACH  |                                    |                                    |                     |                    |                                         |              |
| 44  | WVN-064ACH | ND                                 | ND                                 |                     |                    |                                         |              |
|     |            |                                    |                                    |                     |                    |                                         |              |
|     |            |                                    |                                    |                     |                    |                                         |              |
|     |            |                                    |                                    |                     |                    |                                         | 2011-05-11a  |

S - Box Sealed  
V- Vacuum Adjusted

**City of Mountain View  
Shoreline Landfill  
Component leak check and repair form  
Site Name: VISTA**

Inspection Date: 4/28/23 Start Time: 12pm Finish Time: 1:30pm

Inspector Name: LEON ROSARIO Instrument Used: TVA

Weather: Clear Leak Detected: No leaks detected Above Regulatory limit

| No. | Component | OVA Reading<br>1 CM above<br>vault (PPM) | OVA<br>Reading<br>2 IN above<br>vault (PPM) | Repair/Remonitoring |                           |                                                  | Action Taken |
|-----|-----------|------------------------------------------|---------------------------------------------|---------------------|---------------------------|--------------------------------------------------|--------------|
|     |           |                                          |                                             | Repair<br>Date      | Re-<br>monitoring<br>Date | OVA Reading 1<br>CM above<br>vault With<br>(PPM) |              |
| 1   | ACDRAIN-1 | ND                                       | ND                                          |                     |                           |                                                  |              |
| 2   | BGTP-01   |                                          |                                             |                     |                           |                                                  |              |
| 3   | BGTP-02   |                                          |                                             |                     |                           |                                                  |              |
| 4   | BGV-01H   |                                          |                                             |                     |                           |                                                  |              |
| 5   | BGV-1AC   |                                          |                                             |                     |                           |                                                  |              |
| 6   | VLE-01    |                                          |                                             |                     |                           |                                                  |              |
| 7   | VLE-02    |                                          |                                             |                     |                           |                                                  |              |
| 8   | VA-01A    |                                          |                                             |                     |                           |                                                  |              |
| 9   | VA-01AC   |                                          |                                             |                     |                           |                                                  |              |
| 10  | VA-01AL   |                                          |                                             |                     |                           |                                                  |              |
| 11  | VA-01C    |                                          |                                             |                     |                           |                                                  |              |
| 12  | VA-02AC   |                                          |                                             |                     |                           |                                                  |              |
| 13  | VA-01     |                                          |                                             |                     |                           |                                                  |              |
| 14  | VA-01V    |                                          |                                             |                     |                           |                                                  |              |
| 15  | VA-02     |                                          |                                             |                     |                           |                                                  |              |
| 16  | VA-02V    |                                          |                                             |                     |                           |                                                  |              |
| 17  | VA-03     |                                          |                                             |                     |                           |                                                  |              |
| 18  | VA-03V    |                                          |                                             |                     |                           |                                                  |              |
| 19  | VA3A      |                                          |                                             |                     |                           |                                                  |              |
| 20  | VA-03AV   |                                          |                                             |                     |                           |                                                  |              |
| 21  | VA-04     |                                          |                                             |                     |                           |                                                  |              |
| 22  | VA-04V    |                                          |                                             |                     |                           |                                                  |              |
| 23  | VA-05     |                                          |                                             |                     |                           |                                                  |              |
| 24  | VA-05V    |                                          |                                             |                     |                           |                                                  |              |
| 25  | VA-06     |                                          |                                             |                     |                           |                                                  |              |
| 26  | VA-06V    |                                          |                                             |                     |                           |                                                  |              |
| 27  | VAHZ      |                                          |                                             |                     |                           |                                                  |              |
| 28  | VAHZ-01   |                                          |                                             |                     |                           |                                                  |              |
| 29  | VAHZ-02   |                                          |                                             |                     |                           |                                                  |              |
| 30  | VAHZ-03   |                                          |                                             |                     |                           |                                                  |              |
| 31  | VB-01     |                                          |                                             |                     |                           |                                                  |              |
| 32  | VB-01V    |                                          |                                             |                     |                           |                                                  |              |
| 33  | VB-02R    |                                          |                                             |                     |                           |                                                  |              |
| 34  | VB-02RV   |                                          |                                             |                     |                           |                                                  |              |
| 35  | VB-03     |                                          |                                             |                     |                           |                                                  |              |
| 36  | VB-03V    |                                          |                                             |                     |                           |                                                  |              |
| 37  | VB-03AC   | ✓                                        | ✓                                           |                     |                           |                                                  |              |

ENGR & ENVIRONMENTAL  
COMPLIANCE DIVISION

APR 28 2023

CITY OF MOUNTAIN VIEW



| No. | Component | OVA Reading<br>1 CM above<br>vault (PPM) | OVA<br>Reading<br>2 IN above<br>vault (PPM) | Repair/Remonitoring |                           |                                                  | Action Taken |
|-----|-----------|------------------------------------------|---------------------------------------------|---------------------|---------------------------|--------------------------------------------------|--------------|
|     |           |                                          |                                             | Repair<br>Date      | Re-<br>monitoring<br>Date | OVA Reading 1<br>CM above<br>vault With<br>(PPM) |              |
| 38  | VB-03A    | ND                                       | ND                                          |                     |                           |                                                  |              |
| 39  | VB-03AV   |                                          |                                             |                     |                           |                                                  |              |
| 40  | VB-04     |                                          |                                             |                     |                           |                                                  |              |
| 41  | VB-04V    |                                          |                                             |                     |                           |                                                  |              |
| 42  | VB-05A    |                                          |                                             |                     |                           |                                                  |              |
| 43  | VB-05AV   |                                          |                                             |                     |                           |                                                  |              |
| 44  | VB-05R    |                                          |                                             |                     |                           |                                                  |              |
| 45  | VB-05RV   |                                          |                                             |                     |                           |                                                  |              |
| 46  | VB-06     |                                          |                                             |                     |                           |                                                  |              |
| 47  | VB-06V    |                                          |                                             |                     |                           |                                                  |              |
| 48  | VB-07     |                                          |                                             |                     |                           |                                                  |              |
| 49  | VB-07V    |                                          |                                             |                     |                           |                                                  |              |
| 50  | VB-08     |                                          |                                             |                     |                           |                                                  |              |
| 51  | VB-08V    |                                          |                                             |                     |                           |                                                  |              |
| 52  | VB-09     |                                          |                                             |                     |                           |                                                  |              |
| 53  | VB-09AC   |                                          |                                             |                     |                           |                                                  |              |
| 54  | VB-09V    |                                          |                                             |                     |                           |                                                  |              |
| 55  | VC-01     |                                          |                                             |                     |                           |                                                  |              |
| 56  | VC-01V    |                                          |                                             |                     |                           |                                                  |              |
| 57  | VC-02     |                                          |                                             |                     |                           |                                                  |              |
| 58  | VC-02V    |                                          |                                             |                     |                           |                                                  |              |
| 59  | VC-03     |                                          |                                             |                     |                           |                                                  |              |
| 60  | VC-03V    |                                          |                                             |                     |                           |                                                  |              |
| 61  | VC-04     |                                          |                                             |                     |                           |                                                  |              |
| 62  | VC-04AC   |                                          |                                             |                     |                           |                                                  |              |
| 63  | VC-04V    |                                          |                                             |                     |                           |                                                  |              |
| 64  | VC-05     |                                          |                                             |                     |                           |                                                  |              |
| 65  | VC-05V    |                                          |                                             |                     |                           |                                                  |              |
| 66  | VC-06     |                                          |                                             |                     |                           |                                                  |              |
| 67  | VC-06V    |                                          |                                             |                     |                           |                                                  |              |
| 68  | VC-07     |                                          |                                             |                     |                           |                                                  |              |
| 69  | VC-07V    |                                          |                                             |                     |                           |                                                  |              |
| 70  | VC-08     |                                          |                                             |                     |                           |                                                  |              |
| 71  | VC-08V    |                                          |                                             |                     |                           |                                                  |              |
| 72  | VC-10     |                                          |                                             |                     |                           |                                                  |              |
| 73  | VC-10V    |                                          |                                             |                     |                           |                                                  |              |
| 74  | VE-01     |                                          |                                             |                     |                           |                                                  |              |
| 75  | VE-01V    |                                          |                                             |                     |                           |                                                  |              |
| 76  | VE-03     |                                          |                                             |                     |                           |                                                  |              |
| 77  | VE-03AC   |                                          |                                             |                     |                           |                                                  |              |
| 78  | VE-03V    |                                          |                                             |                     |                           |                                                  |              |
| 79  | VE-04R    |                                          |                                             |                     |                           |                                                  |              |
| 80  | VE-04RV   |                                          |                                             |                     |                           |                                                  |              |
| 81  | VE-05     |                                          |                                             |                     |                           |                                                  |              |
| 82  | VE-05V    |                                          |                                             |                     |                           |                                                  |              |
| 83  | VE-06     |                                          |                                             |                     |                           |                                                  |              |
| 84  | VE-06V    |                                          |                                             |                     |                           |                                                  |              |
| 85  | VE-07     | ✓                                        | ✓                                           |                     |                           |                                                  |              |

| No. | Component | OVA Reading<br>1 CM above<br>vault (PPM) | OVA<br>Reading<br>2 IN above<br>vault (PPM) | Repair/Remonitoring |                           |                                                  | Action Taken |
|-----|-----------|------------------------------------------|---------------------------------------------|---------------------|---------------------------|--------------------------------------------------|--------------|
|     |           |                                          |                                             | Repair<br>Date      | Re-<br>monitoring<br>Date | OVA Reading 1<br>CM above<br>vault With<br>(PPM) |              |
| 86  | VE-07V    | ND                                       | ND                                          |                     |                           |                                                  |              |
| 87  | VE-08     |                                          |                                             |                     |                           |                                                  |              |
| 88  | VE-08V    |                                          |                                             |                     |                           |                                                  |              |
| 89  | VE-09     |                                          |                                             |                     |                           |                                                  |              |
| 90  | VE-09V    |                                          |                                             |                     |                           |                                                  |              |
| 91  | VE-10     |                                          |                                             |                     |                           |                                                  |              |
| 92  | VE-10V    |                                          |                                             |                     |                           |                                                  |              |
| 93  | VE-11     |                                          |                                             |                     |                           |                                                  |              |
| 94  | VE-11AC   |                                          |                                             |                     |                           |                                                  |              |
| 95  | VE-11V    |                                          |                                             |                     |                           |                                                  |              |
| 96  | VF-01     |                                          |                                             |                     |                           |                                                  |              |
| 97  | VF-01V    |                                          |                                             |                     |                           |                                                  |              |
| 98  | VF-02     |                                          |                                             |                     |                           |                                                  |              |
| 99  | VF-02V    |                                          |                                             |                     |                           |                                                  |              |
| 100 | VF-03     |                                          |                                             |                     |                           |                                                  |              |
| 101 | VF-03AC   |                                          |                                             |                     |                           |                                                  |              |
| 102 | VF-03V    |                                          |                                             |                     |                           |                                                  |              |
| 103 | VF-04     |                                          |                                             |                     |                           |                                                  |              |
| 104 | VF-04V    |                                          |                                             |                     |                           |                                                  |              |
| 105 | VF-05R    |                                          |                                             |                     |                           |                                                  |              |
| 106 | VF-05RV   |                                          |                                             |                     |                           |                                                  |              |
| 107 | VF-06     |                                          |                                             |                     |                           |                                                  |              |
| 108 | VF-06AC   |                                          |                                             |                     |                           |                                                  |              |
| 109 | VF-06V    |                                          |                                             |                     |                           |                                                  |              |
| 110 | VF-06V    |                                          |                                             |                     |                           |                                                  |              |
| 111 | VF-07     |                                          |                                             |                     |                           |                                                  |              |
| 112 | VF-07V    |                                          |                                             |                     |                           |                                                  |              |
| 113 | VF07A     |                                          |                                             |                     |                           |                                                  |              |
| 114 | VF-07AV   |                                          |                                             |                     |                           |                                                  |              |
| 115 | VF-08R    |                                          |                                             |                     |                           |                                                  |              |
| 116 | VF-08RV   |                                          |                                             |                     |                           |                                                  |              |
| 117 | VF-09     |                                          |                                             |                     |                           |                                                  |              |
| 118 | VF-09AC   |                                          |                                             |                     |                           |                                                  |              |
| 119 | VF-09V    |                                          |                                             |                     |                           |                                                  |              |
| 120 | VF-10     |                                          |                                             |                     |                           |                                                  |              |
| 121 | VF-10V    |                                          |                                             |                     |                           |                                                  |              |
| 122 | VF11      |                                          |                                             |                     |                           |                                                  |              |
| 123 | VF-11V    |                                          |                                             |                     |                           |                                                  |              |
| 124 | VG-01     |                                          |                                             |                     |                           |                                                  |              |
| 125 | VG-01V    |                                          |                                             |                     |                           |                                                  |              |
| 126 | VG-01A    |                                          |                                             |                     |                           |                                                  |              |
| 127 | VG-01AV   |                                          |                                             |                     |                           |                                                  |              |
| 128 | VG-02     |                                          |                                             |                     |                           |                                                  |              |
| 129 | VG-02V    |                                          |                                             |                     |                           |                                                  |              |
| 130 | VG-02R    |                                          |                                             |                     |                           |                                                  |              |
| 131 | VG-02RV   |                                          |                                             |                     |                           |                                                  |              |
| 132 | VG-03     |                                          |                                             |                     |                           |                                                  |              |
| 133 | VG-03V    | ✓                                        | ✓                                           |                     |                           |                                                  |              |

| No. | Component | OVA Reading<br>1 CM above<br>vault (PPM) | OVA<br>Reading<br>2 IN above<br>vault (PPM) | Repair/Remonitoring |                           |                                                  | Action Taken |
|-----|-----------|------------------------------------------|---------------------------------------------|---------------------|---------------------------|--------------------------------------------------|--------------|
|     |           |                                          |                                             | Repair<br>Date      | Re-<br>monitoring<br>Date | OVA Reading 1<br>CM above<br>vault With<br>(PPM) |              |
| 134 | VG-03A    | ND                                       | ND                                          |                     |                           |                                                  |              |
| 135 | VG-03AV   |                                          |                                             |                     |                           |                                                  |              |
| 136 | VG-04     |                                          |                                             |                     |                           |                                                  |              |
| 137 | VG-04V    |                                          |                                             |                     |                           |                                                  |              |
| 138 | VG-04AC   |                                          |                                             |                     |                           |                                                  |              |
| 139 | VG-04A    |                                          |                                             |                     |                           |                                                  |              |
| 140 | VG-04AV   |                                          |                                             |                     |                           |                                                  |              |
| 141 | VG-05     |                                          |                                             |                     |                           |                                                  |              |
| 142 | VG-05AC   |                                          |                                             |                     |                           |                                                  |              |
| 143 | VG-05V    |                                          |                                             |                     |                           |                                                  |              |
| 144 | VG-06     |                                          |                                             |                     |                           |                                                  |              |
| 145 | VG-06V    |                                          |                                             |                     |                           |                                                  |              |
| 146 | VH-01     |                                          |                                             |                     |                           |                                                  |              |
| 147 | VH-01V    |                                          |                                             |                     |                           |                                                  |              |
| 148 | VH-02     |                                          |                                             |                     |                           |                                                  |              |
| 149 | VH-02AC   |                                          |                                             |                     |                           |                                                  |              |
| 150 | VH-02V    |                                          |                                             |                     |                           |                                                  |              |
| 151 | VH-03     |                                          |                                             |                     |                           |                                                  |              |
| 152 | VH-03V    |                                          |                                             |                     |                           |                                                  |              |
| 153 | VH-04     |                                          |                                             |                     |                           |                                                  |              |
| 154 | VH-04AC   |                                          |                                             |                     |                           |                                                  |              |
| 155 | VH-04V    |                                          |                                             |                     |                           |                                                  |              |
| 156 | VH-05     |                                          |                                             |                     |                           |                                                  |              |
| 157 | VH-05AC   |                                          |                                             |                     |                           |                                                  |              |
| 158 | VH-05V    |                                          |                                             |                     |                           |                                                  |              |
| 159 | VH-06     |                                          |                                             |                     |                           |                                                  |              |
| 160 | VH-06V    |                                          |                                             |                     |                           |                                                  |              |
| 161 | VH-07     |                                          |                                             |                     |                           |                                                  |              |
| 162 | VH-07V    |                                          |                                             |                     |                           |                                                  |              |
| 163 | VH-08     |                                          |                                             |                     |                           |                                                  |              |
| 164 | VH-08AC   |                                          |                                             |                     |                           |                                                  |              |
| 165 | VH-08V    |                                          |                                             |                     |                           |                                                  |              |
| 166 | VH-09     |                                          |                                             |                     |                           |                                                  |              |
| 167 | VH-9V     |                                          |                                             |                     |                           |                                                  |              |
| 168 | VH-10     |                                          |                                             |                     |                           |                                                  |              |
| 169 | VH-10AC   |                                          |                                             |                     |                           |                                                  |              |
| 170 | VH-10V    |                                          |                                             |                     |                           |                                                  |              |
| 171 | VH-11     |                                          |                                             |                     |                           |                                                  |              |
| 172 | VH-11V    |                                          |                                             |                     |                           |                                                  |              |
| 173 | VH-12     |                                          |                                             |                     |                           |                                                  |              |
| 174 | VH-12V    |                                          |                                             |                     |                           |                                                  |              |
| 175 | VH-13     |                                          |                                             |                     |                           |                                                  |              |
| 176 | VH-13V    |                                          |                                             |                     |                           |                                                  |              |
| 177 | VJ-01     |                                          |                                             |                     |                           |                                                  |              |
| 178 | VJ-01V    |                                          |                                             |                     |                           |                                                  |              |
| 179 | VJ-02R    |                                          |                                             |                     |                           |                                                  |              |
| 180 | VJ-02RV   |                                          |                                             |                     |                           |                                                  |              |
| 181 | VJ-03R    |                                          |                                             |                     |                           |                                                  |              |

| No. | Component | OVA Reading<br>1 CM above<br>vault (PPM) | OVA<br>Reading<br>2 IN above<br>vault (PPM) | Repair/Remonitoring |                           |                                                  | Action Taken |
|-----|-----------|------------------------------------------|---------------------------------------------|---------------------|---------------------------|--------------------------------------------------|--------------|
|     |           |                                          |                                             | Repair<br>Date      | Re-<br>monitoring<br>Date | OVA Reading 1<br>CM above<br>vault With<br>(PPM) |              |
| 182 | VJ-03RV   | ND                                       | ND                                          |                     |                           |                                                  |              |
| 183 | VJ-04A    |                                          |                                             |                     |                           |                                                  |              |
| 184 | VJ-04AV   |                                          |                                             |                     |                           |                                                  |              |
| 185 | VJ-04R    |                                          |                                             |                     |                           |                                                  |              |
| 186 | VJ-04RV   |                                          |                                             |                     |                           |                                                  |              |
| 187 | VJ-05R    |                                          |                                             |                     |                           |                                                  |              |
| 188 | VJ-05RV   |                                          |                                             |                     |                           |                                                  |              |
| 189 | VJ-06     |                                          |                                             |                     |                           |                                                  |              |
| 190 | VJ-06V    |                                          |                                             |                     |                           |                                                  |              |
| 191 | VJ-07R    |                                          |                                             |                     |                           |                                                  |              |
| 192 | VJ-07RV   |                                          |                                             |                     |                           |                                                  |              |
| 193 | VJ-08     |                                          |                                             |                     |                           |                                                  |              |
| 194 | VJ-08V    |                                          |                                             |                     |                           |                                                  |              |
| 195 | VJ-09R    |                                          |                                             |                     |                           |                                                  |              |
| 196 | VJ-09RV   |                                          |                                             |                     |                           |                                                  |              |
| 197 | VJ-10     |                                          |                                             |                     |                           |                                                  |              |
| 198 | VJ-10V    |                                          |                                             |                     |                           |                                                  |              |
| 199 | VJ-11R    |                                          |                                             |                     |                           |                                                  |              |
| 200 | VJ-11RV   |                                          |                                             |                     |                           |                                                  |              |
| 201 | VK-01     |                                          |                                             |                     |                           |                                                  |              |
| 202 | VK-01V    |                                          |                                             |                     |                           |                                                  |              |
| 203 | VK-02     |                                          |                                             |                     |                           |                                                  |              |
| 204 | VK-02V    |                                          |                                             |                     |                           |                                                  |              |
| 205 | VK-03     |                                          |                                             |                     |                           |                                                  |              |
| 206 | VK-03V    |                                          |                                             |                     |                           |                                                  |              |
| 207 | VK-04     |                                          |                                             |                     |                           |                                                  |              |
| 208 | VK-04V    |                                          |                                             |                     |                           |                                                  |              |
| 209 | VK-05     |                                          |                                             |                     |                           |                                                  |              |
| 210 | VK-05V    |                                          |                                             |                     |                           |                                                  |              |
| 211 | VSB-01    |                                          |                                             |                     |                           |                                                  |              |
| 212 | VSB-02    |                                          |                                             |                     |                           |                                                  |              |
| 213 | VSE-03    |                                          |                                             |                     |                           |                                                  |              |
| 214 | VSF-01    |                                          |                                             |                     |                           |                                                  |              |
| 215 | VSH-01    |                                          |                                             |                     |                           |                                                  |              |
| 216 | VSJ-01    |                                          |                                             |                     |                           |                                                  |              |
| 217 | VSJ-02    |                                          |                                             |                     |                           |                                                  |              |
| 218 | VTPA-01   |                                          |                                             |                     |                           |                                                  |              |
| 219 | VTPA-02   |                                          |                                             |                     |                           |                                                  |              |
| 220 | VTPA-03   |                                          |                                             |                     |                           |                                                  |              |
| 221 | VTPB-01   |                                          |                                             |                     |                           |                                                  |              |
| 222 | VTPB-02   |                                          |                                             |                     |                           |                                                  |              |
| 223 | VTPB-03   |                                          |                                             |                     |                           |                                                  |              |
| 224 | VTPB-04   |                                          |                                             |                     |                           |                                                  |              |
| 225 | VTPC-01   |                                          |                                             |                     |                           |                                                  |              |
| 226 | VTPC-02   |                                          |                                             |                     |                           |                                                  |              |
| 227 | VTPE-01   |                                          |                                             |                     |                           |                                                  |              |
| 228 | VTPE-02   |                                          |                                             |                     |                           |                                                  |              |
| 229 | VTPF-01   | ✓                                        | ✓                                           |                     |                           |                                                  |              |

| No. | Component | OVA Reading<br>1 CM above<br>vault (PPM) | OVA<br>Reading<br>2 IN above<br>vault (PPM) | Repair/Remonitoring |                           |                                                  | Action Taken |
|-----|-----------|------------------------------------------|---------------------------------------------|---------------------|---------------------------|--------------------------------------------------|--------------|
|     |           |                                          |                                             | Repair<br>Date      | Re-<br>monitoring<br>Date | OVA Reading 1<br>CM above<br>vault With<br>(PPM) |              |
| 230 | VTPF-02   | ND                                       | ND                                          |                     |                           |                                                  |              |
| 231 | VTPF-03   |                                          |                                             |                     |                           |                                                  |              |
| 232 | VTPF-04   |                                          |                                             |                     |                           |                                                  |              |
| 233 | VTPG-01   |                                          |                                             |                     |                           |                                                  |              |
| 234 | VTPG-02   |                                          |                                             |                     |                           |                                                  |              |
| 235 | VTPG-03   |                                          |                                             |                     |                           |                                                  |              |
| 236 | VTPG-04   |                                          |                                             |                     |                           |                                                  |              |
| 237 | VTPH-01   |                                          |                                             |                     |                           |                                                  |              |
| 238 | VTPH-02   |                                          |                                             |                     |                           |                                                  |              |
| 239 | VTPH-03   |                                          |                                             |                     |                           |                                                  |              |
| 240 | VTPH-04   |                                          |                                             |                     |                           |                                                  |              |
| 241 | VTPJ-01   |                                          |                                             |                     |                           |                                                  |              |
| 242 | VTPJ-02   |                                          |                                             |                     |                           |                                                  |              |
| 243 | VTPJ-03   |                                          |                                             |                     |                           |                                                  |              |
| 244 | VTPJ-05   |                                          |                                             |                     |                           |                                                  |              |
| 245 | VTPK-01   |                                          |                                             |                     |                           |                                                  |              |
| 246 | VTPK-02   |                                          |                                             |                     |                           |                                                  |              |
| 247 | VVA-01H   |                                          |                                             |                     |                           |                                                  |              |
| 248 | VVA-02H   |                                          |                                             |                     |                           |                                                  |              |
| 249 | VVA-01AC  |                                          |                                             |                     |                           |                                                  |              |
| 250 | VVA-02AC  |                                          |                                             |                     |                           |                                                  |              |
| 251 | VVB-01H   |                                          |                                             |                     |                           |                                                  |              |
| 252 | VVB-02AC  |                                          |                                             |                     |                           |                                                  |              |
| 253 | VVB-02H   |                                          |                                             |                     |                           |                                                  |              |
| 254 | VVB-01AC  |                                          |                                             |                     |                           |                                                  |              |
| 255 | VVC-01H   |                                          |                                             |                     |                           |                                                  |              |
| 256 | VVC-02H   |                                          |                                             |                     |                           |                                                  |              |
| 257 | VVC-03H   |                                          |                                             |                     |                           |                                                  |              |
| 258 | VVC-01AC  |                                          |                                             |                     |                           |                                                  |              |
| 259 | VVC-01V   |                                          |                                             |                     |                           |                                                  |              |
| 260 | VVC-02AC  |                                          |                                             |                     |                           |                                                  |              |
| 261 | VVF-01H   |                                          |                                             |                     |                           |                                                  |              |
| 262 | VVF-02H   |                                          |                                             |                     |                           |                                                  |              |
| 263 | VVF-03H   |                                          |                                             |                     |                           |                                                  |              |
| 264 | VVF-01AC  |                                          |                                             |                     |                           |                                                  |              |
| 265 | VVF-02AC  |                                          |                                             |                     |                           |                                                  |              |
| 266 | VVF-03AC  |                                          |                                             |                     |                           |                                                  |              |
| 267 | VVG-01AC  |                                          |                                             |                     |                           |                                                  |              |
| 268 | VVG-01H   |                                          |                                             |                     |                           |                                                  |              |
| 269 | VVG-02AC  |                                          |                                             |                     |                           |                                                  |              |
| 270 | VVG-02H   |                                          |                                             |                     |                           |                                                  |              |
| 271 | VVG-03H   |                                          |                                             |                     |                           |                                                  |              |
| 272 | VVG-04H   |                                          |                                             |                     |                           |                                                  |              |
| 273 | VVG-03AC  |                                          |                                             |                     |                           |                                                  |              |
| 274 | VVG-04AC  |                                          |                                             |                     |                           |                                                  |              |
| 275 | VVH-01H   |                                          |                                             |                     |                           |                                                  |              |
| 276 | VVH-02H   |                                          |                                             |                     |                           |                                                  |              |
| 277 | VVH-03H   | ✓                                        | ✓                                           |                     |                           |                                                  |              |



**City of Mountain View  
Shoreline Landfill  
Component leak check and repair form  
Site Name: BACK NINE**

Inspection Date: 4/28/23 Start Time: 7:30am

Finish Time: 12pm

Inspector Name: LEON ROSALES

Instrument Used: TVA

Weather: Clear

Leak Detected: No leaks detected Above Regulatory limit.

| No. | Component | OVA Reading<br>1 CM above<br>vault (PPM) | OVA<br>Reading<br>2 IN above<br>vault (PPM) | Repair Date | Repair/Remonitoring       |                                                  | Action Taken |
|-----|-----------|------------------------------------------|---------------------------------------------|-------------|---------------------------|--------------------------------------------------|--------------|
|     |           |                                          |                                             |             | Re-<br>monitoring<br>Date | OVA Reading<br>1 CM above<br>vault With<br>(PPM) |              |
| 1   | WA-01     | ND                                       | ND                                          |             |                           |                                                  |              |
| 2   | WA-01V    |                                          |                                             |             |                           |                                                  |              |
| 3   | WA-02     |                                          |                                             |             |                           |                                                  |              |
| 4   | WA-02V    |                                          |                                             |             |                           |                                                  |              |
| 5   | WA-04     |                                          |                                             |             |                           |                                                  |              |
| 6   | WA-04V    |                                          |                                             |             |                           |                                                  |              |
| 7   | WA-05     |                                          |                                             |             |                           |                                                  |              |
| 8   | WA-05V    |                                          |                                             |             |                           |                                                  |              |
| 9   | WA-06     |                                          |                                             |             |                           |                                                  |              |
| 10  | WA-06V    |                                          |                                             |             |                           |                                                  |              |
| 11  | WA-07     |                                          |                                             |             |                           |                                                  |              |
| 12  | WA-07V    |                                          |                                             |             |                           |                                                  |              |
| 13  | WA-08     |                                          |                                             |             |                           |                                                  |              |
| 14  | WA-08V    |                                          |                                             |             |                           |                                                  |              |
| 15  | WA-09     |                                          |                                             |             |                           |                                                  |              |
| 16  | WA-09V    |                                          |                                             |             |                           |                                                  |              |
| 17  | WA-10     |                                          |                                             |             |                           |                                                  |              |
| 18  | WA-10V    |                                          |                                             |             |                           |                                                  |              |
| 19  | WA-11     |                                          |                                             |             |                           |                                                  |              |
| 20  | WA-11V    |                                          |                                             |             |                           |                                                  |              |
| 21  | WA-12     |                                          |                                             |             |                           |                                                  |              |
| 22  | WA-12V    |                                          |                                             |             |                           |                                                  |              |
| 23  | WA-13     |                                          |                                             |             |                           |                                                  |              |
| 24  | WA-13V    |                                          |                                             |             |                           |                                                  |              |
| 25  | WA-14     |                                          |                                             |             |                           |                                                  |              |
| 26  | WA-14V    |                                          |                                             |             |                           |                                                  |              |
| 27  | WA-15     |                                          |                                             |             |                           |                                                  |              |
| 28  | WA-15V    |                                          |                                             |             |                           |                                                  |              |
| 29  | WA-16     |                                          |                                             |             |                           |                                                  |              |
| 30  | WA-16V    |                                          |                                             |             |                           |                                                  |              |
| 31  | WA-17     |                                          |                                             |             |                           |                                                  |              |
| 32  | WA-17V    |                                          |                                             |             |                           |                                                  |              |
| 33  | WA-18     |                                          |                                             |             |                           |                                                  |              |
| 34  | WA-18V    |                                          |                                             |             |                           |                                                  |              |
| 35  | WA-19     |                                          |                                             |             |                           |                                                  |              |
| 36  | WA-19V    |                                          |                                             |             |                           |                                                  |              |
| 37  | WA-20     |                                          |                                             |             |                           |                                                  |              |
| 38  | WA-20V    |                                          |                                             |             |                           |                                                  |              |
| 39  | WA-21     | ✓                                        | ✓                                           |             |                           |                                                  |              |

ENGR. & ENVIRONMENTAL  
COMPLIANCE DIVISION

APR 28 2023

CITY OF MOUNTAIN VIEW

| No. | Component | OVA Reading<br>1 CM above<br>vault (PPM) | OVA<br>Reading<br>2 IN above<br>vault (PPM) | Repair Date | Repair/Remonitoring       |                                                  | Action Taken |
|-----|-----------|------------------------------------------|---------------------------------------------|-------------|---------------------------|--------------------------------------------------|--------------|
|     |           |                                          |                                             |             | Re-<br>monitoring<br>Date | OVA Reading<br>1 CM above<br>vault With<br>(PPM) |              |
| 40  | WA-21V    | ND                                       | ND                                          |             |                           |                                                  |              |
| 41  | WA-22     |                                          |                                             |             |                           |                                                  |              |
| 42  | WA-22V    |                                          |                                             |             |                           |                                                  |              |
| 43  | WA-23     |                                          |                                             |             |                           |                                                  |              |
| 44  | WA-23V    |                                          |                                             |             |                           |                                                  |              |
| 45  | WA-24     |                                          |                                             |             |                           |                                                  |              |
| 46  | WA-24V    |                                          |                                             |             |                           |                                                  |              |
| 47  | WA-25     |                                          |                                             |             |                           |                                                  |              |
| 48  | WA-25V    |                                          |                                             |             |                           |                                                  |              |
| 49  | WA-26     |                                          |                                             |             |                           |                                                  |              |
| 50  | WA-26V    |                                          |                                             |             |                           |                                                  |              |
| 51  | WA-27     |                                          |                                             |             |                           |                                                  |              |
| 52  | WA-27V    |                                          |                                             |             |                           |                                                  |              |
| 53  | WA-28     |                                          |                                             |             |                           |                                                  |              |
| 54  | WA-28V    |                                          |                                             |             |                           |                                                  |              |
| 55  | WA-29     |                                          |                                             |             |                           |                                                  |              |
| 56  | WA-29V    |                                          |                                             |             |                           |                                                  |              |
| 57  | WB-01     |                                          |                                             |             |                           |                                                  |              |
| 58  | WB-01V    |                                          |                                             |             |                           |                                                  |              |
| 59  | WB-02     |                                          |                                             |             |                           |                                                  |              |
| 60  | WB-02V    |                                          |                                             |             |                           |                                                  |              |
| 61  | WB-03     |                                          |                                             |             |                           |                                                  |              |
| 62  | WB-03V    |                                          |                                             |             |                           |                                                  |              |
| 63  | WB-04     |                                          |                                             |             |                           |                                                  |              |
| 64  | WB-04V    |                                          |                                             |             |                           |                                                  |              |
| 65  | WB-05     |                                          |                                             |             |                           |                                                  |              |
| 66  | WB-05A    |                                          |                                             |             |                           |                                                  |              |
| 67  | WB-05AV   |                                          |                                             |             |                           |                                                  |              |
| 68  | W-06      |                                          |                                             |             |                           |                                                  |              |
| 69  | WB-06V    |                                          |                                             |             |                           |                                                  |              |
| 70  | WB-06A    |                                          |                                             |             |                           |                                                  |              |
| 71  | WB-06AV   |                                          |                                             |             |                           |                                                  |              |
| 72  | WB-07     |                                          |                                             |             |                           |                                                  |              |
| 73  | WB-07V    |                                          |                                             |             |                           |                                                  |              |
| 74  | WB-07A    |                                          |                                             |             |                           |                                                  |              |
| 75  | WB-07AV   |                                          |                                             |             |                           |                                                  |              |
| 76  | WB-08     |                                          |                                             |             |                           |                                                  |              |
| 77  | WB-08V    |                                          |                                             |             |                           |                                                  |              |
| 78  | WB-09     |                                          |                                             |             |                           |                                                  |              |
| 79  | WB-09V    |                                          |                                             |             |                           |                                                  |              |
| 80  | WB-10     |                                          |                                             |             |                           |                                                  |              |
| 81  | WB-10V    |                                          |                                             |             |                           |                                                  |              |
| 82  | WB-11     |                                          |                                             |             |                           |                                                  |              |
| 83  | WB-11V    |                                          |                                             |             |                           |                                                  |              |
| 84  | WB-12     |                                          |                                             |             |                           |                                                  |              |
| 85  | WB-12V    |                                          |                                             |             |                           |                                                  |              |
| 86  | WB-12A    |                                          |                                             |             |                           |                                                  |              |
| 87  | WB-12AV   |                                          |                                             |             |                           |                                                  |              |
| 88  | WB-13     | ✓                                        | ✓                                           |             |                           |                                                  |              |



| Component   | OVA Reading<br>1 CM above<br>vault (PPM) | OVA<br>Reading<br>2 IN above<br>vault (PPM) | Repair/Remonitoring |                           |                                                  | Action Taken |
|-------------|------------------------------------------|---------------------------------------------|---------------------|---------------------------|--------------------------------------------------|--------------|
|             |                                          |                                             | Repair Date         | Re-<br>monitoring<br>Date | OVA Reading<br>1 CM above<br>vault With<br>(PPM) |              |
| WB-13V      | ND                                       | ND                                          |                     |                           |                                                  |              |
| WB-14       |                                          |                                             |                     |                           |                                                  |              |
| 91 WB-14V   |                                          |                                             |                     |                           |                                                  |              |
| 92 WB-15    |                                          |                                             |                     |                           |                                                  |              |
| 93 WB-15V   |                                          |                                             |                     |                           |                                                  |              |
| 94 WB-16    |                                          |                                             |                     |                           |                                                  |              |
| 95 WB-16V   |                                          |                                             |                     |                           |                                                  |              |
| 96 WB-17    |                                          |                                             |                     |                           |                                                  |              |
| 97 WB-17V   |                                          |                                             |                     |                           |                                                  |              |
| 98 WC-01    |                                          |                                             |                     |                           |                                                  |              |
| 99 WC-01V   |                                          |                                             |                     |                           |                                                  |              |
| 100 WC-02   |                                          |                                             |                     |                           |                                                  |              |
| 101 WC-02V  |                                          |                                             |                     |                           |                                                  |              |
| 102 WC-03   |                                          |                                             |                     |                           |                                                  |              |
| 103 WC-03V  |                                          |                                             |                     |                           |                                                  |              |
| 104 WC-04   |                                          |                                             |                     |                           |                                                  |              |
| 105 WC-04V  |                                          |                                             |                     |                           |                                                  |              |
| 106 WD-01   |                                          |                                             |                     |                           |                                                  |              |
| 107 WD-01V  |                                          |                                             |                     |                           |                                                  |              |
| 108 WD-02   |                                          |                                             |                     |                           |                                                  |              |
| 109 WD-02V  |                                          |                                             |                     |                           |                                                  |              |
| 110 WD-03   |                                          |                                             |                     |                           |                                                  |              |
| 111 WD-03V  |                                          |                                             |                     |                           |                                                  |              |
| 112 WD-04   |                                          |                                             |                     |                           |                                                  |              |
| 113 WD-04V  |                                          |                                             |                     |                           |                                                  |              |
| 114 WE-01   |                                          |                                             |                     |                           |                                                  |              |
| 115 WE-01V  |                                          |                                             |                     |                           |                                                  |              |
| 116 WE-01A  |                                          |                                             |                     |                           |                                                  |              |
| 117 WE-01AV |                                          |                                             |                     |                           |                                                  |              |
| 118 WE-02   |                                          |                                             |                     |                           |                                                  |              |
| 119 WE-02V  |                                          |                                             |                     |                           |                                                  |              |
| 120 WE-03   |                                          |                                             |                     |                           |                                                  |              |
| 121 WE-03V  |                                          |                                             |                     |                           |                                                  |              |
| 122 WE-04   |                                          |                                             |                     |                           |                                                  |              |
| 123 WE-04V  |                                          |                                             |                     |                           |                                                  |              |
| 124 WE-05   |                                          |                                             |                     |                           |                                                  |              |
| 125 WE-05V  |                                          |                                             |                     |                           |                                                  |              |
| 126 WF-01   |                                          |                                             |                     |                           |                                                  |              |
| 127 WF-01V  |                                          |                                             |                     |                           |                                                  |              |
| 128 WF-02   |                                          |                                             |                     |                           |                                                  |              |
| 129 WF-02V  |                                          |                                             |                     |                           |                                                  |              |
| 130 WSA-01  |                                          |                                             |                     |                           |                                                  |              |
| 131 WSA-02  |                                          |                                             |                     |                           |                                                  |              |
| 132 WSA-03  |                                          |                                             |                     |                           |                                                  |              |
| 133 WSB-01  |                                          |                                             |                     |                           |                                                  |              |
| 134 WSB-02  |                                          |                                             |                     |                           |                                                  |              |
| 135 WSB-03  |                                          |                                             |                     |                           |                                                  |              |
| 136 WSC-01  |                                          |                                             |                     |                           |                                                  |              |
| 137 WSC-02  | ✓                                        | ✓                                           |                     |                           |                                                  |              |

| No. | Component | OVA Reading            |                        | Repair Date | Repair/Remonitoring |                                         | Action Taken |
|-----|-----------|------------------------|------------------------|-------------|---------------------|-----------------------------------------|--------------|
|     |           | 1 CM above vault (PPM) | 2 IN above vault (PPM) |             | Re-monitoring Date  | OVA Reading 1 CM above vault With (PPM) |              |
| 138 | WSD-01    | ND                     | ND                     |             |                     |                                         |              |
| 139 | WSD-02    |                        |                        |             |                     |                                         |              |
| 140 | WSE-01    |                        |                        |             |                     |                                         |              |
| 141 | WSE-02    |                        |                        |             |                     |                                         |              |
| 142 | WSF-01    |                        |                        |             |                     |                                         |              |
| 143 | WTA-14    |                        |                        |             |                     |                                         |              |
| 144 | WTP-10    |                        |                        |             |                     |                                         |              |
| 145 | WTPA-01   |                        |                        |             |                     |                                         |              |
| 146 | WTPA-20   |                        |                        |             |                     |                                         |              |
| 147 | WTPA-25   |                        |                        |             |                     |                                         |              |
| 148 | WTPA-30   |                        |                        |             |                     |                                         |              |
| 149 | WTPA-40   |                        |                        |             |                     |                                         |              |
| 150 | WTPA-05   |                        |                        |             |                     |                                         |              |
| 151 | WTPB-01   |                        |                        |             |                     |                                         |              |
| 152 | WTPB-10   |                        |                        |             |                     |                                         |              |
| 153 | WTPB-20   |                        |                        |             |                     |                                         |              |
| 154 | WTPB-29   |                        |                        |             |                     |                                         |              |
| 155 | WTPB-34   |                        |                        |             |                     |                                         |              |
| 156 | WTPB-37   |                        |                        |             |                     |                                         |              |
| 157 | WTPB-40   |                        |                        |             |                     |                                         |              |
| 158 | WTPB-45   |                        |                        |             |                     |                                         |              |
| 159 | WTPC-05   |                        |                        |             |                     |                                         |              |
| 160 | WTPD-09   |                        |                        |             |                     |                                         |              |
| 161 | WTPE-10   |                        |                        |             |                     |                                         |              |
| 162 | WTPE-01   |                        |                        |             |                     |                                         |              |
| 163 | WTPF-05   |                        |                        |             |                     |                                         |              |
| 164 | WTPF-07   |                        |                        |             |                     |                                         |              |
| 165 | WVA-01ACH |                        |                        |             |                     |                                         |              |
| 166 | WVA-13H   |                        |                        |             |                     |                                         |              |
| 167 | WVA-14ACH |                        |                        |             |                     |                                         |              |
| 168 | WVA-15ACH |                        |                        |             |                     |                                         |              |
| 169 | WVA-24ACH |                        |                        |             |                     |                                         |              |
| 170 | WVA-25ACH |                        |                        |             |                     |                                         |              |
| 171 | WVA-MAIN1 |                        |                        |             |                     |                                         |              |
| 172 | WVA-MAIN2 |                        |                        |             |                     |                                         |              |
| 173 | WVB-01ACH |                        |                        |             |                     |                                         |              |
| 174 | WVB-18ACH |                        |                        |             |                     |                                         |              |
| 175 | WVB-29ACH |                        |                        |             |                     |                                         |              |
| 176 | WVB-45ACH |                        |                        |             |                     |                                         |              |
| 177 | WV-01ACH  |                        |                        |             |                     |                                         |              |
| 178 | WVC-14ACH |                        |                        |             |                     |                                         |              |
| 179 | WVC-01VAS |                        |                        |             |                     |                                         |              |
| 180 | WVD-01ACH |                        |                        |             |                     |                                         |              |
| 179 | WVE-01ACH |                        |                        |             |                     |                                         |              |
| 180 | WVE-16ACH | √                      | √                      |             |                     |                                         |              |
|     |           | √                      | √                      |             |                     |                                         |              |

2011-05-11a

S - Box Sealed

V- Vacuum Adjusted

**City of Mountain View  
Shoreline Landfill  
Component Leak Check and Repair Form  
Site Name: Front Nine**

Inspection Date: 5/16/23 Start Time: 7:00 AM Finish Time: 8:30 AM

Inspector Name: Miguel Varela Instrument Used: TVA

Weather: Clear Leak Detected: NO leaks detected over Regulatory limit

| No. | Component | OVA Reading<br>1 CM above<br>vault (PPM) | OVA<br>Reading 2<br>IN above<br>vault (PPM) | Repair/Remonitoring |                           |                                               |              |
|-----|-----------|------------------------------------------|---------------------------------------------|---------------------|---------------------------|-----------------------------------------------|--------------|
|     |           |                                          |                                             | Repair Date         | Re-<br>monitoring<br>Date | OVA Reading 1<br>CM above vault<br>With (PPM) | Action Taken |
| 1   | A-05      | N/D                                      | N/D                                         |                     |                           |                                               |              |
| 2   | A0-5V     |                                          |                                             |                     |                           |                                               |              |
| 3   | A-16      |                                          |                                             |                     |                           |                                               |              |
| 4   | A-16V     |                                          |                                             |                     |                           |                                               |              |
| 5   | AC-01     |                                          |                                             |                     |                           |                                               |              |
| 6   | AC-10     |                                          |                                             |                     |                           |                                               |              |
| 7   | AC-11     |                                          |                                             |                     |                           |                                               |              |
| 8   | AC-12     |                                          |                                             |                     |                           |                                               |              |
| 9   | AC-02     |                                          |                                             |                     |                           |                                               |              |
| 10  | AC-03     |                                          |                                             |                     |                           |                                               |              |
| 11  | AC-04     |                                          |                                             |                     |                           |                                               |              |
| 12  | AC-05     |                                          |                                             |                     |                           |                                               |              |
| 13  | AC-06     |                                          |                                             |                     |                           |                                               |              |
| 14  | AC-07     |                                          |                                             |                     |                           |                                               |              |
| 15  | AC-08     |                                          |                                             |                     |                           |                                               |              |
| 16  | AC-09     |                                          |                                             |                     |                           |                                               |              |
| 17  | B-12      |                                          |                                             |                     |                           |                                               |              |
| 18  | B-12V     |                                          |                                             |                     |                           |                                               |              |
| 19  | B-02      |                                          |                                             |                     |                           |                                               |              |
| 20  | B-02V     |                                          |                                             |                     |                           |                                               |              |
| 21  | B-20      |                                          |                                             |                     |                           |                                               |              |
| 22  | B-20V     |                                          |                                             |                     |                           |                                               |              |
| 23  | B-24      |                                          |                                             |                     |                           |                                               |              |
| 24  | B-24V     |                                          |                                             |                     |                           |                                               |              |
| 25  | B-28      |                                          |                                             |                     |                           |                                               |              |
| 26  | B-28V     |                                          |                                             |                     |                           |                                               |              |
| 27  | B-03      |                                          |                                             |                     |                           |                                               |              |
| 28  | B-03V     |                                          |                                             |                     |                           |                                               |              |
| 29  | B-04      |                                          |                                             |                     |                           |                                               |              |
| 30  | B-04V     |                                          |                                             |                     |                           |                                               |              |
| 31  | FHZ-01    |                                          |                                             |                     |                           |                                               |              |
| 32  | FHZ-02    |                                          |                                             |                     |                           |                                               |              |
| 33  | FHZ-03    |                                          |                                             |                     |                           |                                               |              |
| 34  | FHZ-04    |                                          |                                             |                     |                           |                                               |              |
| 35  | FHZ-05    |                                          |                                             |                     |                           |                                               |              |
| 36  | FS-01     |                                          |                                             |                     |                           |                                               |              |
| 37  | FS-10     | N/D                                      | N/D                                         |                     |                           |                                               |              |

ENGR. & ENVIRONMENTAL  
COMPLIANCE DIVIS

MAY 31 2023

CITY OF MOUNTAIN VIEW

| No. | Component | OVA Reading<br>1 CM above<br>vault (PPM) | OVA<br>Reading 2<br>IN above<br>vault (PPM) | Repair/Remonitoring |                           |                                               | Action Taken |
|-----|-----------|------------------------------------------|---------------------------------------------|---------------------|---------------------------|-----------------------------------------------|--------------|
|     |           |                                          |                                             | Repair Date         | Re-<br>monitoring<br>Date | OVA Reading 1<br>CM above vault<br>With (PPM) |              |
| 38  | FS-11     | ND                                       | ND                                          |                     |                           |                                               |              |
| 39  | FS-12     |                                          |                                             |                     |                           |                                               |              |
| 40  | FS-13     |                                          |                                             |                     |                           |                                               |              |
| 41  | FS-14     |                                          |                                             |                     |                           |                                               |              |
| 42  | FS-02     |                                          |                                             |                     |                           |                                               |              |
| 43  | FS-03     |                                          |                                             |                     |                           |                                               |              |
| 44  | FS-04     |                                          |                                             |                     |                           |                                               |              |
| 45  | FS-05     |                                          |                                             |                     |                           |                                               |              |
| 46  | FS-06     |                                          |                                             |                     |                           |                                               |              |
| 47  | FS-07     |                                          |                                             |                     |                           |                                               |              |
| 48  | FS-08     |                                          |                                             |                     |                           |                                               |              |
| 49  | FS-09     |                                          |                                             |                     |                           |                                               |              |
| 50  | FTY-02    |                                          |                                             |                     |                           |                                               |              |
| 51  | FYV-2H    |                                          |                                             |                     |                           |                                               |              |
| 52  | HVA-02    |                                          |                                             |                     |                           |                                               |              |
| 53  | HVB-01    |                                          |                                             |                     |                           |                                               |              |
| 54  | HVD-01    |                                          |                                             |                     |                           |                                               |              |
| 55  | LE-01     |                                          |                                             |                     |                           |                                               |              |
| 56  | LE-01V    |                                          |                                             |                     |                           |                                               |              |
| 57  | LE-02     |                                          |                                             |                     |                           |                                               |              |
| 58  | LE-02V    |                                          |                                             |                     |                           |                                               |              |
| 59  | LE-03     |                                          |                                             |                     |                           |                                               |              |
| 60  | LE-03V    |                                          |                                             |                     |                           |                                               |              |
| 61  | LE-04     |                                          |                                             |                     |                           |                                               |              |
| 62  | LE-04V    |                                          |                                             |                     |                           |                                               |              |
| 63  | MPHZV     |                                          |                                             |                     |                           |                                               |              |
| 64  | SC-01AV   |                                          |                                             |                     |                           |                                               |              |
| 65  | SC-02AV   |                                          |                                             |                     |                           |                                               |              |
| 66  | SC03AV    |                                          |                                             |                     |                           |                                               |              |
| 67  | SCHDR-01  |                                          |                                             |                     |                           |                                               |              |
| 68  | TPA-01    |                                          |                                             |                     |                           |                                               |              |
| 69  | TPA-02    |                                          |                                             |                     |                           |                                               |              |
| 70  | TPA-03    |                                          |                                             |                     |                           |                                               |              |
| 71  | TPA-04    |                                          |                                             |                     |                           |                                               |              |
| 72  | TPA-05    |                                          |                                             |                     |                           |                                               |              |
| 73  | TPA-06    |                                          |                                             |                     |                           |                                               |              |
| 74  | TPA-07    |                                          |                                             |                     |                           |                                               |              |
| 75  | TPA-08    |                                          |                                             |                     |                           |                                               |              |
| 76  | TPB-01    |                                          |                                             |                     |                           |                                               |              |
| 77  | TPB-02    |                                          |                                             |                     |                           |                                               |              |
| 78  | TPB-03    |                                          |                                             |                     |                           |                                               |              |
| 79  | TPB-04    |                                          |                                             |                     |                           |                                               |              |
| 80  | TPB-05    |                                          |                                             |                     |                           |                                               |              |
| 81  | TPB-06    |                                          |                                             |                     |                           |                                               |              |
| 82  | TPB-06A   |                                          |                                             |                     |                           |                                               |              |
| 83  | TPB0-7    |                                          |                                             |                     |                           |                                               |              |
| 84  | TPB-08    |                                          |                                             |                     |                           |                                               |              |
| 85  | TPD-01A   |                                          |                                             |                     |                           |                                               |              |
| 86  | TPY-01    | ND                                       | ND                                          |                     |                           |                                               |              |



**City of Mountain View  
Shoreline Landfill  
Component leak check and repair form  
Site Name: 6 Acre North East**

Inspection Date: 5/16/23 Start Time: 8:35 AM Finish Time: 10:40 AM

Inspector Name: Miguel Varela Instrument Used: JVA

Weather: Clear Leak Detected: NO leaks detected over Regulatory limit

| S. No. | Component | OVA Reading<br>1 CM above<br>vault (PPM) | OVA<br>Reading<br>2 IN above<br>vault (PPM) | Repair/Remonitoring |                           |                                               | Action Taken                                 |
|--------|-----------|------------------------------------------|---------------------------------------------|---------------------|---------------------------|-----------------------------------------------|----------------------------------------------|
|        |           |                                          |                                             | Repair Date         | Re-<br>monitoring<br>Date | OVA Reading 1<br>CM above vault<br>With (PPM) |                                              |
| 1      | NEA01     | ND                                       | ND                                          |                     |                           |                                               |                                              |
| 2      | NEA01L    |                                          |                                             |                     |                           |                                               |                                              |
| 3      | NEA02     |                                          |                                             |                     |                           |                                               |                                              |
| 4      | NEA02L    |                                          |                                             |                     |                           |                                               |                                              |
| 5      | NEA03     |                                          |                                             |                     |                           |                                               |                                              |
| 6      | NEA03L    |                                          |                                             |                     |                           |                                               |                                              |
| 7      | NEA04     |                                          |                                             |                     |                           |                                               |                                              |
| 8      | NEA04L    |                                          |                                             |                     |                           |                                               |                                              |
| 9      | NEA05     |                                          |                                             |                     |                           |                                               |                                              |
| 10     | NEA05L    |                                          |                                             |                     |                           |                                               |                                              |
| 11     | NEA06     |                                          |                                             |                     |                           |                                               |                                              |
| 12     | NEA06L    |                                          |                                             |                     |                           |                                               |                                              |
| 13     | NEA07     |                                          |                                             |                     |                           |                                               |                                              |
| 14     | NEA07L    |                                          |                                             |                     |                           |                                               |                                              |
| 15     | NEA08     |                                          |                                             |                     |                           |                                               |                                              |
| 16     | NEA08L    |                                          |                                             |                     |                           |                                               |                                              |
| 17     | NEA09     |                                          |                                             |                     |                           |                                               |                                              |
| 18     | NEA09L    |                                          |                                             |                     |                           |                                               |                                              |
| 19     | NEA10     |                                          |                                             |                     |                           |                                               |                                              |
| 20     | NEA10L    |                                          |                                             |                     |                           |                                               |                                              |
| 21     | NEA11     |                                          |                                             |                     |                           |                                               |                                              |
| 22     | NEA11L    |                                          |                                             |                     |                           |                                               |                                              |
| 23     | NEA12     |                                          |                                             |                     |                           |                                               |                                              |
| 24     | NEA12L    |                                          |                                             |                     |                           |                                               |                                              |
| 25     | NEA13     |                                          |                                             |                     |                           |                                               |                                              |
| 26     | NEA13L    |                                          |                                             |                     |                           |                                               |                                              |
| 27     | NEA14     |                                          |                                             |                     |                           |                                               |                                              |
| 28     | NEA14L    |                                          |                                             |                     |                           |                                               | ENGR. & ENVIRONMENTAL<br>COMPLIANCE DIVISION |
| 29     | NEA15     |                                          |                                             |                     |                           |                                               |                                              |
| 30     | NEA15L    |                                          |                                             |                     |                           |                                               |                                              |
| 31     | NEA16     |                                          |                                             |                     |                           |                                               |                                              |
| 32     | NEA16L    |                                          |                                             |                     |                           |                                               | MAY 31 2023                                  |
| 33     | NEB01     |                                          |                                             |                     |                           |                                               |                                              |
| 34     | NEB01L    |                                          |                                             |                     |                           |                                               |                                              |
| 35     | NEB02     |                                          |                                             |                     |                           |                                               | CITY OF MOUNTAIN VIEW                        |
| 36     | NEB02L    |                                          |                                             |                     |                           |                                               |                                              |
| 37     | NEB03     | ND                                       | ND                                          |                     |                           |                                               |                                              |

| S. No. | Component | OVA Reading<br>1 CM above<br>vault (PPM) | OVA<br>Reading<br>2 IN above<br>vault (PPM) | Repair/Remonitoring |                           |                                               | Action Taken |
|--------|-----------|------------------------------------------|---------------------------------------------|---------------------|---------------------------|-----------------------------------------------|--------------|
|        |           |                                          |                                             | Repair Date         | Re-<br>monitoring<br>Date | OVA Reading 1<br>CM above vault<br>With (PPM) |              |
| 38     | NEB03L    | ND                                       | ND                                          |                     |                           |                                               |              |
| 39     | NEB04     |                                          |                                             |                     |                           |                                               |              |
| 40     | NEB04L    |                                          |                                             |                     |                           |                                               |              |
| 41     | NEB05     |                                          |                                             |                     |                           |                                               |              |
| 42     | NEB05L    |                                          |                                             |                     |                           |                                               |              |
| 43     | NEB06     |                                          |                                             |                     |                           |                                               |              |
| 44     | NEB06L    |                                          |                                             |                     |                           |                                               |              |
| 45     | NEB07     |                                          |                                             |                     |                           |                                               |              |
| 46     | NEB07L    |                                          |                                             |                     |                           |                                               |              |
| 47     | NEB08     |                                          |                                             |                     |                           |                                               |              |
| 48     | NEB08L    |                                          |                                             |                     |                           |                                               |              |
| 49     | NEB09     |                                          |                                             |                     |                           |                                               |              |
| 50     | NEB09L    |                                          |                                             |                     |                           |                                               |              |
| 51     | NEB10     |                                          |                                             |                     |                           |                                               |              |
| 52     | NEB10L    |                                          |                                             |                     |                           |                                               |              |
| 53     | NEB11     |                                          |                                             |                     |                           |                                               |              |
| 54     | NEB11L    |                                          |                                             |                     |                           |                                               |              |
| 55     | NEB12     |                                          |                                             |                     |                           |                                               |              |
| 56     | NEB12L    |                                          |                                             |                     |                           |                                               |              |
| 57     | NEB13     |                                          |                                             |                     |                           |                                               |              |
| 58     | NEB13L    |                                          |                                             |                     |                           |                                               |              |
| 59     | NEB14     |                                          |                                             |                     |                           |                                               |              |
| 60     | NEB14L    |                                          |                                             |                     |                           |                                               |              |
| 61     | NEC01     |                                          |                                             |                     |                           |                                               |              |
| 62     | NEC01L    |                                          |                                             |                     |                           |                                               |              |
| 63     | NEC02     |                                          |                                             |                     |                           |                                               |              |
| 64     | NEC02L    |                                          |                                             |                     |                           |                                               |              |
| 65     | NEC03     |                                          |                                             |                     |                           |                                               |              |
| 66     | NEC03L    |                                          |                                             |                     |                           |                                               |              |
| 67     | NED01     |                                          |                                             |                     |                           |                                               |              |
| 68     | NED01L    |                                          |                                             |                     |                           |                                               |              |
| 69     | NED02     |                                          |                                             |                     |                           |                                               |              |
| 70     | NED02L    |                                          |                                             |                     |                           |                                               |              |
| 71     | NED03     |                                          |                                             |                     |                           |                                               |              |
| 72     | NED03L    |                                          |                                             |                     |                           |                                               |              |
| 73     | NEE01     |                                          |                                             |                     |                           |                                               |              |
| 74     | NEE01L    |                                          |                                             |                     |                           |                                               |              |
| 75     | NEE02     |                                          |                                             |                     |                           |                                               |              |
| 76     | NEE02L    |                                          |                                             |                     |                           |                                               |              |
| 77     | NEE03     |                                          |                                             |                     |                           |                                               |              |
| 78     | NEE03L    |                                          |                                             |                     |                           |                                               |              |
| 79     | NEE04     |                                          |                                             |                     |                           |                                               |              |
| 80     | NEE04L    |                                          |                                             |                     |                           |                                               |              |
| 81     | NEE05     |                                          |                                             |                     |                           |                                               |              |
| 82     | NEE05L    |                                          |                                             |                     |                           |                                               |              |
| 83     | NEE06     |                                          |                                             |                     |                           |                                               |              |
| 84     | NEE06L    |                                          |                                             |                     |                           |                                               |              |
| 85     | NESE02    |                                          |                                             |                     |                           |                                               |              |
| 86     | NESE01    | ND                                       | ND                                          |                     |                           |                                               |              |

| S. No. | Component | OVA Reading<br>1 CM above<br>vault (PPM) | OVA<br>Reading<br>2 IN above<br>vault (PPM) | Repair/Remonitoring |                           |                                               | Action Taken |
|--------|-----------|------------------------------------------|---------------------------------------------|---------------------|---------------------------|-----------------------------------------------|--------------|
|        |           |                                          |                                             | Repair Date         | Re-<br>monitoring<br>Date | OVA Reading 1<br>CM above vault<br>With (PPM) |              |
| 87     | NESB05    | ND                                       | ND                                          |                     |                           |                                               |              |
| 88     | NESB04    |                                          |                                             |                     |                           |                                               |              |
| 89     | NESB03    |                                          |                                             |                     |                           |                                               |              |
| 90     | NESB02    |                                          |                                             |                     |                           |                                               |              |
| 91     | NESB01    |                                          |                                             |                     |                           |                                               |              |
| 92     | NESD01    |                                          |                                             |                     |                           |                                               |              |
| 93     | NESA05    |                                          |                                             |                     |                           |                                               |              |
| 94     | NESA04    |                                          |                                             |                     |                           |                                               |              |
| 95     | NESA03    |                                          |                                             |                     |                           |                                               |              |
| 96     | NESA02    |                                          |                                             |                     |                           |                                               |              |
| 97     | NESA01    |                                          |                                             |                     |                           |                                               |              |
| 98     | NESE04    |                                          |                                             |                     |                           |                                               |              |
| 99     | NESE03    |                                          |                                             |                     |                           |                                               |              |
| 100    | NECVA01   |                                          |                                             |                     |                           |                                               |              |
| 101    | NECVA02   |                                          |                                             |                     |                           |                                               |              |
| 102    | NECVA03   |                                          |                                             |                     |                           |                                               |              |
| 103    | NECVA04   |                                          |                                             |                     |                           |                                               |              |
| 104    | NECVB01   |                                          |                                             |                     |                           |                                               |              |
| 105    | NECVB02   |                                          |                                             |                     |                           |                                               |              |
| 106    | NECVB03   |                                          |                                             |                     |                           |                                               |              |
| 107    | NECVB04   |                                          |                                             |                     |                           |                                               |              |
| 108    | NECVB05   |                                          |                                             |                     |                           |                                               |              |
| 109    | NEVC01    |                                          |                                             |                     |                           |                                               |              |
| 110    | NEVD01    |                                          |                                             |                     |                           |                                               |              |
| 111    | NEVD02    |                                          |                                             |                     |                           |                                               |              |
| 112    | NEVE03    |                                          |                                             |                     |                           |                                               |              |
| 113    | NEVE02    |                                          |                                             |                     |                           |                                               |              |
| 114    | NEVE01    |                                          |                                             |                     |                           |                                               |              |
| 115    | 6ANEMCV   |                                          |                                             |                     |                           |                                               |              |
| 116    | NEGVA01   |                                          |                                             |                     |                           |                                               |              |
| 117    | NEGVA02   |                                          |                                             |                     |                           |                                               |              |
| 118    | NEGVA03   |                                          |                                             |                     |                           |                                               |              |
| 119    | NEGVA04   |                                          |                                             |                     |                           |                                               |              |
| 120    | NEGVB01   |                                          |                                             |                     |                           |                                               |              |
| 121    | NEGVB02   |                                          |                                             |                     |                           |                                               |              |
| 122    | NEGVB03   |                                          |                                             |                     |                           |                                               |              |
| 123    | NEGVB04   |                                          |                                             |                     |                           |                                               |              |
| 124    | NEGVB05   |                                          |                                             |                     |                           |                                               |              |
| 125    | NEGVC01   |                                          |                                             |                     |                           |                                               |              |
| 126    | NEGVD01   |                                          |                                             |                     |                           |                                               |              |
| 127    | NEGVD02   |                                          |                                             |                     |                           |                                               |              |
| 128    | NEGVE03   |                                          |                                             |                     |                           |                                               |              |
| 129    | NEGVE02   |                                          |                                             |                     |                           |                                               |              |
| 130    | NEGVE01   |                                          |                                             |                     |                           |                                               |              |
| 131    | NETPA01W  |                                          |                                             |                     |                           |                                               |              |
| 132    | NETPA01E  |                                          |                                             |                     |                           |                                               |              |
| 133    | NETPA02N  |                                          |                                             |                     |                           |                                               |              |
| 134    | NETPA02S  |                                          |                                             |                     |                           |                                               |              |
| 135    | NETPA03S  | ND                                       | ND                                          |                     |                           |                                               |              |





**City of Mountain View  
Shoreline Landfill  
Component leak check and repair form  
Site Name: NORTHSORE**

Inspection Date: 7-11-2023 Start Time: 6:45 AM Finish Time: 8:15 AM

Inspector Name: RAUL SANDA Instrument Used: TVA/GATOR

Weather: CLEAR Leak detected: NO LEAKS DETECTED ABOVE REGULATORY LIMIT

| No. | Component | OVA Reading 1 CM above vault (PPM) | OVA Reading 2 IN above vault (PPM) | Repair/Remonitoring |                    |                                         |              |
|-----|-----------|------------------------------------|------------------------------------|---------------------|--------------------|-----------------------------------------|--------------|
|     |           |                                    |                                    | Repair Date         | Re-monitoring Date | OVA Reading 1 CM above vault With (PPM) | Action Taken |
| 1   | WN-01     | ND                                 | ND                                 |                     |                    |                                         |              |
| 2   | WN-01V    |                                    |                                    |                     |                    |                                         |              |
| 3   | WN-02     |                                    |                                    |                     |                    |                                         |              |
| 4   | WN-02V    |                                    |                                    |                     |                    |                                         |              |
| 5   | WN-03R    |                                    |                                    |                     |                    |                                         |              |
| 6   | WN-03RV   |                                    |                                    |                     |                    |                                         |              |
| 7   | WN-04     |                                    |                                    |                     |                    |                                         |              |
| 8   | WN-04V    |                                    |                                    |                     |                    |                                         |              |
| 9   | WN-04A    |                                    |                                    |                     |                    |                                         |              |
| 10  | WN-04AV   |                                    |                                    |                     |                    |                                         |              |
| 11  | WN-05     |                                    |                                    |                     |                    |                                         |              |
| 12  | WN-05V    |                                    |                                    |                     |                    |                                         |              |
| 13  | WN-06     |                                    |                                    |                     |                    |                                         |              |
| 14  | WN-06V    |                                    |                                    |                     |                    |                                         |              |
| 15  | WN-07     |                                    |                                    |                     |                    |                                         |              |
| 16  | WN-07V    |                                    |                                    |                     |                    |                                         |              |
| 17  | WN-08     |                                    |                                    |                     |                    |                                         |              |
| 18  | WN-08V    |                                    |                                    |                     |                    |                                         |              |
| 19  | WN-09     |                                    |                                    |                     |                    |                                         |              |
| 20  | WN-09V    |                                    |                                    |                     |                    |                                         |              |
| 21  | WN-10     |                                    |                                    |                     |                    |                                         |              |
| 22  | WN-10V    |                                    |                                    |                     |                    |                                         |              |
| 23  | WN-11     |                                    |                                    |                     |                    |                                         |              |
| 24  | WN-11V    |                                    |                                    |                     |                    |                                         |              |
| 25  | WN-12     |                                    |                                    |                     |                    |                                         |              |
| 26  | WN-12V    |                                    |                                    |                     |                    |                                         |              |
| 27  | WN-13     |                                    |                                    |                     |                    |                                         |              |
| 28  | WN-13V    |                                    |                                    |                     |                    |                                         |              |
| 29  | WSN-01    |                                    |                                    |                     |                    |                                         |              |
| 30  | WSN-02    |                                    |                                    |                     |                    |                                         |              |
| 31  | WSN-03    |                                    |                                    |                     |                    |                                         |              |
| 32  | WSN-04    |                                    |                                    |                     |                    |                                         |              |
| 33  | WSN-05    |                                    |                                    |                     |                    |                                         |              |
| 34  | WTPN-13   |                                    |                                    |                     |                    |                                         |              |
| 35  | WTPN-15   |                                    |                                    |                     |                    |                                         |              |
| 36  | WTPN-49   |                                    |                                    |                     |                    |                                         |              |
| 37  | WTPN-50   |                                    |                                    |                     |                    |                                         |              |

ENGR. & ENVIRONMENTAL  
COMPLIANCE DIVISION

JUL 17 2023

CITY OF MOUNTAIN VIEW

| No. | Component  | OVA Reading 1 CM above vault (PPM) | OVA Reading 2 IN above vault (PPM) | Repair/Remonitoring |                    |                                         |              |
|-----|------------|------------------------------------|------------------------------------|---------------------|--------------------|-----------------------------------------|--------------|
|     |            |                                    |                                    | Repair Date         | Re-monitoring Date | OVA Reading 1 CM above vault With (PPM) | Action Taken |
| 38  | WTPN-06    | ND                                 | ND                                 |                     |                    |                                         |              |
| 39  | WTPN-60    | ↓                                  | ↓                                  |                     |                    |                                         |              |
| 40  | WTPN-70    | ↓                                  | ↓                                  |                     |                    |                                         |              |
| 41  | WTPN-78    | ↓                                  | ↓                                  |                     |                    |                                         |              |
| 42  | WVN-50ACH  | ↓                                  | ↓                                  |                     |                    |                                         |              |
| 43  | WVN-01ACH  | ↓                                  | ↓                                  |                     |                    |                                         |              |
| 44  | WVN-064ACH | ↓                                  | ↓                                  |                     |                    |                                         |              |
|     |            |                                    |                                    |                     |                    |                                         |              |
|     |            |                                    |                                    |                     |                    |                                         |              |
|     |            |                                    |                                    |                     |                    |                                         | 2011-05-11a  |

S - Box Sealed

V- Vacuum Adjusted

**City of Mountain View  
Shoreline Landfill  
Component leak check and repair form  
Site Name: Crittenden**

Inspection Date: 7-17-23 Start Time: 7:00 AM Finish Time: 10:00 AM

Inspector Name: RAUL BANDA Instrument Used: TVA / GATOR

Weather: CLEAR Leak Detected: NO LEAKS DETECTED ABOVE REGULATORY LIM.

| No. | Component     | OVA Reading<br>1 CM above<br>vault (PPM) | OVA Reading<br>2 IN above<br>vault (PPM) | Repair/Remonitoring |                       |                                               | Action Taken |
|-----|---------------|------------------------------------------|------------------------------------------|---------------------|-----------------------|-----------------------------------------------|--------------|
|     |               |                                          |                                          | Repair<br>Date      | Re-monitoring<br>Date | OVA Reading 1<br>CM above vault<br>With (PPM) |              |
| 1   | A/BHDRCON     | ND                                       | ND                                       |                     |                       |                                               |              |
| 2   | B/CHDRCON     |                                          |                                          |                     |                       |                                               |              |
| 3   | CDHDRCON      |                                          |                                          |                     |                       |                                               |              |
| 4   | CRA-01        |                                          |                                          |                     |                       |                                               |              |
| 5   | CRA-01V       |                                          |                                          |                     |                       |                                               |              |
| 6   | CRA-02R       |                                          |                                          |                     |                       |                                               |              |
| 7   | CRA-02RV      |                                          |                                          |                     |                       |                                               |              |
| 8   | CRA-03        |                                          |                                          |                     |                       |                                               |              |
| 9   | CRA-03V       |                                          |                                          |                     |                       |                                               |              |
| 10  | CRA-04        |                                          |                                          |                     |                       |                                               |              |
| 11  | CRA-04V       |                                          |                                          |                     |                       |                                               |              |
| 12  | CRA-05R       |                                          |                                          |                     |                       |                                               |              |
| 13  | CRA-05RV      |                                          |                                          |                     |                       |                                               |              |
| 14  | CRA-06        |                                          |                                          |                     |                       |                                               |              |
| 15  | CRA-06V       |                                          |                                          |                     |                       |                                               |              |
| 16  | CR07          |                                          |                                          |                     |                       |                                               |              |
| 17  | CRA-07V       |                                          |                                          |                     |                       |                                               |              |
| 18  | CRA-08        |                                          |                                          |                     |                       |                                               |              |
| 19  | CRA-08V       |                                          |                                          |                     |                       |                                               |              |
| 20  | CRA-09        |                                          |                                          |                     |                       |                                               |              |
| 21  | CRA-09V       |                                          |                                          |                     |                       |                                               |              |
| 22  | CRA-10        |                                          |                                          |                     |                       |                                               |              |
| 23  | CRA-10V       |                                          |                                          |                     |                       |                                               |              |
| 24  | CRA-11        |                                          |                                          |                     |                       |                                               |              |
| 25  | CRA-11V       |                                          |                                          |                     |                       |                                               |              |
| 26  | CRA-12        |                                          |                                          |                     |                       |                                               |              |
| 27  | CRA-12V       |                                          |                                          |                     |                       |                                               |              |
| 28  | CRA-13        |                                          |                                          |                     |                       |                                               |              |
| 29  | CRA-13V       |                                          |                                          |                     |                       |                                               |              |
| 30  | CRB-01        |                                          |                                          |                     |                       |                                               |              |
| 31  | CRB-01 Bottom |                                          |                                          |                     |                       |                                               |              |
| 32  | CRB1VA Top    |                                          |                                          |                     |                       |                                               |              |
| 33  | CRB-02        |                                          |                                          |                     |                       |                                               |              |
| 34  | CRB2VA Bottom |                                          |                                          |                     |                       |                                               |              |
| 35  | CRB2VA Top    |                                          |                                          |                     |                       |                                               |              |
| 36  | CRB-03        |                                          |                                          |                     |                       |                                               |              |
| 37  | CRB3VA Bottom |                                          |                                          |                     |                       |                                               |              |
| 38  | CRB3VA Top    |                                          |                                          |                     |                       |                                               |              |

ENGR. & ENVIRONMENTAL  
COMPLIANCE DIVISION

JUL 17 2023

CITY OF MOUNTAIN VIEW

| No. | Component      | OVA Reading<br>1 CM above<br>vault (PPM) | OVA Reading<br>2 IN above<br>vault (PPM) | Repair/Remonitoring |                       |                                               |              |
|-----|----------------|------------------------------------------|------------------------------------------|---------------------|-----------------------|-----------------------------------------------|--------------|
|     |                |                                          |                                          | Repair<br>Date      | Re-monitoring<br>Date | OVA Reading 1<br>CM above vault<br>With (PPM) | Action Taken |
| 39  | CRB-04         | ND                                       | ND                                       |                     |                       |                                               |              |
| 40  | CRB4VA Bottom  |                                          |                                          |                     |                       |                                               |              |
| 41  | CRB4VA Top     |                                          |                                          |                     |                       |                                               |              |
| 42  | CRB-05         |                                          |                                          |                     |                       |                                               |              |
| 43  | CRB5VA Bottom  |                                          |                                          |                     |                       |                                               |              |
| 44  | CRB5VA Top     |                                          |                                          |                     |                       |                                               |              |
| 45  | CRB-06         |                                          |                                          |                     |                       |                                               |              |
| 46  | CRB6VA Bottom  |                                          |                                          |                     |                       |                                               |              |
| 47  | CRB6VA Top     |                                          |                                          |                     |                       |                                               |              |
| 48  | CRB-07R        |                                          |                                          |                     |                       |                                               |              |
| 49  | CRB7RVA Top    |                                          |                                          |                     |                       |                                               |              |
| 50  | CRB7RVA Bottom |                                          |                                          |                     |                       |                                               |              |
| 51  | CRB7VA Top     |                                          |                                          |                     |                       |                                               |              |
| 52  | CRB7VA Bottom  |                                          |                                          |                     |                       |                                               |              |
| 53  | CRB-08         |                                          |                                          |                     |                       |                                               |              |
| 54  | CRB8VA Top     |                                          |                                          |                     |                       |                                               |              |
| 55  | CRB8VA Bottom  |                                          |                                          |                     |                       |                                               |              |
| 56  | CRC-01         |                                          |                                          |                     |                       |                                               |              |
| 57  | CRC1VA         |                                          |                                          |                     |                       |                                               |              |
| 58  | CRC-02         |                                          |                                          |                     |                       |                                               |              |
| 59  | CRC2VA         |                                          |                                          |                     |                       |                                               |              |
| 60  | CRC-03         |                                          |                                          |                     |                       |                                               |              |
| 61  | CRC3VA         |                                          |                                          |                     |                       |                                               |              |
| 62  | CRC-04         |                                          |                                          |                     |                       |                                               |              |
| 63  | CRC4VA         |                                          |                                          |                     |                       |                                               |              |
| 64  | CRD-01         |                                          |                                          |                     |                       |                                               |              |
| 65  | CRD1VA         |                                          |                                          |                     |                       |                                               |              |
| 66  | CRD-02         |                                          |                                          |                     |                       |                                               |              |
| 67  | CRD2VA         |                                          |                                          |                     |                       |                                               |              |
| 68  | CRD-03         |                                          |                                          |                     |                       |                                               |              |
| 69  | CRD3VA         |                                          |                                          |                     |                       |                                               |              |
| 70  | CRD-04         |                                          |                                          |                     |                       |                                               |              |
| 71  | CRD-04VA       |                                          |                                          |                     |                       |                                               |              |
| 72  | CRD-05         |                                          |                                          |                     |                       |                                               |              |
| 73  | CRD5VA         |                                          |                                          |                     |                       |                                               |              |
| 74  | CRD-06         |                                          |                                          |                     |                       |                                               |              |
| 75  | CRD6VA         |                                          |                                          |                     |                       |                                               |              |
| 76  | CRD-07         |                                          |                                          |                     |                       |                                               |              |
| 77  | CRD7VA         |                                          |                                          |                     |                       |                                               |              |
| 78  | CRD-08         |                                          |                                          |                     |                       |                                               |              |
| 79  | CRD8VA         |                                          |                                          |                     |                       |                                               |              |
| 80  | CRD-09         |                                          |                                          |                     |                       |                                               |              |
| 81  | CRD9VA         |                                          |                                          |                     |                       |                                               |              |
| 82  | CRD10          |                                          |                                          |                     |                       |                                               |              |
| 83  | CRD10VA        |                                          |                                          |                     |                       |                                               |              |
| 84  | CRD11          |                                          |                                          |                     |                       |                                               |              |
| 85  | CRD11VA        |                                          |                                          |                     |                       |                                               |              |
| 86  | CRDAVA         |                                          |                                          |                     |                       |                                               |              |
| 87  | CRH5TP         |                                          |                                          |                     |                       |                                               |              |

| No. | Component  | OVA Reading<br>1 CM above<br>vault (PPM) | OVA Reading<br>2 IN above<br>vault (PPM) | Repair/Remonitoring |                       |                                               | Action Taken |
|-----|------------|------------------------------------------|------------------------------------------|---------------------|-----------------------|-----------------------------------------------|--------------|
|     |            |                                          |                                          | Repair<br>Date      | Re-monitoring<br>Date | OVA Reading 1<br>CM above vault<br>With (PPM) |              |
| 88  | CRHV8TP    |                                          |                                          |                     |                       |                                               |              |
| 89  | CRHVA10TP  |                                          |                                          |                     |                       |                                               |              |
| 90  | CRHVA4TP   |                                          |                                          |                     |                       |                                               |              |
| 91  | CRHVB1TP   |                                          |                                          |                     |                       |                                               |              |
| 92  | CRHVB3TP   |                                          |                                          |                     |                       |                                               |              |
| 93  | CRHVB5TP   |                                          |                                          |                     |                       |                                               |              |
| 94  | CRHVD8TP   |                                          |                                          |                     |                       |                                               |              |
| 95  | CRS1       |                                          |                                          |                     |                       |                                               |              |
| 96  | CRS2       |                                          |                                          |                     |                       |                                               |              |
| 97  | CRS3       |                                          |                                          |                     |                       |                                               |              |
| 98  | CRS4       |                                          |                                          |                     |                       |                                               |              |
| 99  | CRS6A      |                                          |                                          |                     |                       |                                               |              |
| 100 | CRV5AC     |                                          |                                          |                     |                       |                                               |              |
| 101 | CRVA1ACTP  |                                          |                                          |                     |                       |                                               |              |
| 102 | CRVA2ACTP3 |                                          |                                          |                     |                       |                                               |              |
| 103 | CRVA6AC    |                                          |                                          |                     |                       |                                               |              |
| 104 | CRVA7AC    |                                          |                                          |                     |                       |                                               |              |
| 105 | CRVAC3TP6  |                                          |                                          |                     |                       |                                               |              |
| 106 | CRVAMAIN   |                                          |                                          |                     |                       |                                               |              |
| 107 | CRVB1AC    |                                          |                                          |                     |                       |                                               |              |
| 108 | CRVB2ACTP  |                                          |                                          |                     |                       |                                               |              |
| 109 | CRVB3ACTP4 |                                          |                                          |                     |                       |                                               |              |
| 110 | CRVB4AC    |                                          |                                          |                     |                       |                                               |              |
| 111 | CRVC1AC    |                                          |                                          |                     |                       |                                               |              |
| 112 | CRVC3AC    |                                          |                                          |                     |                       |                                               |              |
| 113 | CRVCAC2TP  |                                          |                                          |                     |                       |                                               |              |
| 114 | CRVD1AC    |                                          |                                          |                     |                       |                                               |              |
| 115 | CRVD2AC    |                                          |                                          |                     |                       |                                               |              |
| 116 | CRVD3AC    |                                          |                                          |                     |                       |                                               |              |
| 117 | CRVD5AC    |                                          |                                          |                     |                       |                                               |              |
| 118 | CRVH2TP    |                                          |                                          |                     |                       |                                               |              |
| 119 | CRVH4AC    |                                          |                                          |                     |                       |                                               |              |
| 120 | CRVHA9TP   |                                          |                                          |                     |                       |                                               |              |
| 121 | CRVHB6TP   |                                          |                                          |                     |                       |                                               |              |
| 122 | CRVHC1TP   |                                          |                                          |                     |                       |                                               |              |
| 123 | CRVHC3TP   |                                          |                                          |                     |                       |                                               |              |
| 124 | CRVHC4TP   |                                          |                                          |                     |                       |                                               |              |
| 125 | CRVHD1     |                                          |                                          |                     |                       |                                               |              |
| 126 | CRVHD3TP   |                                          |                                          |                     |                       |                                               |              |
| 127 | CRVHD5TP   |                                          |                                          |                     |                       |                                               |              |
| 128 | CRVHDNORTH |                                          |                                          |                     |                       |                                               |              |
| 129 | CRVHMAIN   |                                          |                                          |                     |                       |                                               |              |
| 130 | CTPA11     |                                          |                                          |                     |                       |                                               |              |
| 131 | CTPA7      |                                          |                                          |                     |                       |                                               |              |
| 132 | CTPD1      |                                          |                                          |                     |                       |                                               |              |
| 133 | CTPD10     |                                          |                                          |                     |                       |                                               |              |
| 134 | CTPD11     |                                          |                                          |                     |                       |                                               |              |
| 135 | CTPD2      |                                          |                                          |                     |                       |                                               |              |
| 136 | CTPD4      |                                          |                                          |                     |                       |                                               |              |

| No. | Component | OVA Reading<br>1 CM above<br>vault (PPM) | OVA Reading<br>2 IN above<br>vault (PPM) | Repair/Remonitoring |                       |                                               |              |
|-----|-----------|------------------------------------------|------------------------------------------|---------------------|-----------------------|-----------------------------------------------|--------------|
|     |           |                                          |                                          | Repair<br>Date      | Re-monitoring<br>Date | OVA Reading 1<br>CM above vault<br>With (PPM) | Action Taken |
| 137 | CTPD9     | NO                                       | NO                                       |                     |                       |                                               |              |
| 138 | CVT1      |                                          |                                          |                     |                       |                                               |              |
| 139 | CVT2      |                                          |                                          |                     |                       |                                               |              |
| 140 | CVT4      |                                          |                                          |                     |                       |                                               |              |
| 141 | CVT5      |                                          |                                          |                     |                       |                                               |              |
| 142 | CVT6      |                                          |                                          |                     |                       |                                               |              |
| 143 | CVT7      |                                          |                                          |                     |                       |                                               |              |
| 144 | CVT8      |                                          |                                          |                     |                       |                                               |              |
| 145 | CVTA1     |                                          |                                          |                     |                       |                                               |              |
| 146 | CVTB1/2   |                                          |                                          |                     |                       |                                               |              |
| 147 | CVTC1/2   |                                          |                                          |                     |                       |                                               |              |
| 148 | CVTD1/2   |                                          |                                          |                     |                       |                                               |              |
| 149 | CVTF-1/2  |                                          |                                          |                     |                       |                                               |              |
| 150 | CVTG1     |                                          |                                          |                     |                       |                                               |              |
| 151 | EFHDRCON  |                                          |                                          |                     |                       |                                               |              |
| 152 | FGHDRCON  |                                          |                                          |                     |                       |                                               |              |
| 153 | CS1       |                                          |                                          |                     |                       |                                               |              |
| 154 | CS10      |                                          |                                          |                     |                       |                                               |              |
| 155 | CS11      |                                          |                                          |                     |                       |                                               |              |
| 156 | CS12      |                                          |                                          |                     |                       |                                               |              |
| 157 | CS13      |                                          |                                          |                     |                       |                                               |              |
| 158 | CS14      |                                          |                                          |                     |                       |                                               |              |
| 159 | CS15      |                                          |                                          |                     |                       |                                               |              |
| 160 | CS17      |                                          |                                          |                     |                       |                                               |              |
| 161 | CS18      |                                          |                                          |                     |                       |                                               |              |
| 162 | CS2       |                                          |                                          |                     |                       |                                               |              |
| 163 | CS3       |                                          |                                          |                     |                       |                                               |              |
| 164 | CS4       |                                          |                                          |                     |                       |                                               |              |
| 165 | CS5       |                                          |                                          |                     |                       |                                               |              |
| 166 | CS6       |                                          |                                          |                     |                       |                                               |              |
| 167 | CS7       |                                          |                                          |                     |                       |                                               |              |
| 168 | CS8       |                                          |                                          |                     |                       |                                               |              |
| 169 | CS9       |                                          |                                          |                     |                       |                                               |              |
|     |           |                                          |                                          |                     |                       |                                               |              |
|     |           | T=Top                                    | B=Bottom                                 |                     |                       |                                               | 2011-05-11a  |

S - Box Sealed  
V - Vacuum Adjusted

# SECTION V

## MONTHLY LANDFILL GAS WELLHEAD MONITORING



CITY OF MOUNTAIN VIEW  
MONTHLY LANDFILL GAS WELL HEAD MONITORING

January 2023

| VISTA          |                 |              |              |             |               |                       |                                               |                                                |
|----------------|-----------------|--------------|--------------|-------------|---------------|-----------------------|-----------------------------------------------|------------------------------------------------|
| Permit Well ID | Date/Time       | %CH4 by Vol. | %CO2 by Vol. | %O2 by Vol. | %Bal. by Vol. | Wellhead Temp.<br>° F | Initial Vacuum<br>(inches of water<br>column) | Adjusted Vacuum<br>(inches of water<br>column) |
| VA-1A*         | 1/12/2023 8:24  | 63.2         | 36.8         | 0           | 0.0           | 57                    | -0.83                                         |                                                |
| VA-1R*         | 1/12/2023 8:08  | 62.3         | 37.1         | 0           | 0.6           | 58                    | -0.3                                          |                                                |
| VA-2*          | 1/12/2023 8:34  | 65.3         | 31.8         | 0           | 2.9           | 58                    | -0.89                                         |                                                |
| VA-3A*         | 1/12/2023 8:47  | 68.4         | 31.5         | 0           | 0.1           | 59                    | -2.46                                         |                                                |
| VA-3R*         | 1/12/2023 8:41  | 63.8         | 31.5         | 0.7         | 4.0           | 58                    | -5.05                                         |                                                |
| VA-4*          | 1/12/2023 8:51  | 47.4         | 24.0         | 6.5         | 22.1          | 59                    | -15.94                                        |                                                |
| VA-5R          | 1/12/2023 9:13  | 32.4         | 19.5         | 2.1         | 77.6          | 58                    | -1.33                                         |                                                |
| VA-6           | 1/12/2023 9:20  | 45.1         | 32.7         | 1           | 21.2          | 60                    | -0.73                                         |                                                |
| VA-HZ*         | 1/12/2023 9:02  | 0.1          | 0.1          | 22.2        | 77.6          | 59                    | -3.62                                         |                                                |
| VB-1*          | 1/12/2023 9:32  | 62           | 35.3         | 0.2         | 2.5           | 61                    | -2.66                                         |                                                |
| VB-2R*         | 1/12/2023 9:41  | 22.1         | 14.9         | 11          | 52.0          | 65                    | -25.14                                        |                                                |
| VB-3           | 1/12/2023 9:46  | 55.7         | 32.9         | 0.6         | 10.8          | 57                    | -35.74                                        |                                                |
| VB-3A*         | 1/12/2023 9:52  | 58.7         | 30.4         | 1.7         | 9.2           | 65                    | -11.88                                        |                                                |
| VB-4*          | 1/12/2023 9:55  | 48.7         | 32.6         | 0           | 18.7          | 53                    | -17.97                                        |                                                |
| VB-5A*         | 1/12/2023 10:37 | 47           | 32.3         | 0           | 20.7          | 59                    | -2.61                                         |                                                |
| VB-5R*         | 1/12/2023 9:59  | 48.5         | 29.8         | 0           | 21.7          | 53                    | -4.79                                         |                                                |
| VB-6R*         | 1/12/2023 10:41 | 47.5         | 32.5         | 0           | 20.0          | 63                    | -16.53                                        |                                                |
| VB-7*          | 1/12/2023 10:45 | 17.9         | 13.3         | 12.9        | 55.9          | 65                    | -1.01                                         |                                                |
| VB-8*          | 1/12/2023 11:01 | 50.5         | 39.4         | 0           | 10.1          | 70                    | -0.95                                         |                                                |
| VB-9R          | 1/12/2023 10:50 | 43.3         | 32.1         | 0           | 24.6          | 72                    | -0.48                                         |                                                |
| VC-10          | 1/12/2023 12:59 | 48.3         | 33.0         | 0           | 18.7          | 68                    | -25.81                                        |                                                |
| VC-1R*         | 1/12/2023 10:55 | 9.4          | 13.9         | 8.5         | 68.2          | 69                    | -5.79                                         |                                                |
| VC-2R*         | 1/12/2023 12:22 | 15.5         | 20.6         | 0           | 63.9          | 70                    | -4.34                                         |                                                |
| VC-3*          | 1/12/2023 12:27 | 71.3         | 23.3         | 0           | 5.4           | 69                    | -13.99                                        |                                                |
| VC-4           | 1/12/2023 12:33 | 37.4         | 31.2         | 0           | 31.4          | 69                    | -0.19                                         |                                                |
| VC-5*          | 1/12/2023 12:37 | 60.7         | 27.0         | 0.2         | 12.1          | 68                    | -0.52                                         |                                                |
| VC-6*          | 1/12/2023 12:47 | 60.9         | 23.1         | 2.3         | 13.7          | 69                    | -23.89                                        |                                                |
| VC-7*          | 1/12/2023 12:52 | 53.4         | 35.5         | 0.2         | 10.9          | 69                    | -4.92                                         |                                                |
| VC-8*          | 1/12/2023 12:55 | 59.8         | 19.7         | 4.1         | 16.4          | 70                    | -38.04                                        |                                                |
| VE-10*         | 1/12/2023 14:15 | 42.1         | 17.8         | 0           | 40.1          | 68                    | -0.14                                         |                                                |
| VE-11          | 1/12/2023 14:19 | 54.6         | 33.5         | 0.1         | 11.8          | 69                    | -13.87                                        |                                                |

\* - Alternative oxygen wellhead limit

\*\* - Alternate temperature wellhead limit

| Permit Well ID | Date/Time       | %CH4 by Vol. | %CO2 by Vol. | %O2 by Vol. | %Bal. by Vol. | Wellhead Temp.<br>° F | Initial Vacuum<br>(inches of water<br>column) | Adjusted Vacuum<br>(inches of water<br>column) |
|----------------|-----------------|--------------|--------------|-------------|---------------|-----------------------|-----------------------------------------------|------------------------------------------------|
| VE-1R*         | 1/12/2023 13:29 | 33           | 28.5         | 0           | 38.5          | 69                    | -4.31                                         |                                                |
| VE-3           | 1/12/2023 13:27 | 32.5         | 28.0         | 0           | 39.5          | 69                    | -1.24                                         |                                                |
| VE-4R*         | 1/12/2023 13:33 | 37.3         | 31.1         | 0           | 31.6          | 68                    | -1.23                                         |                                                |
| VE-5*          | 1/12/2023 13:49 | 44.8         | 30.7         | 0           | 24.5          | 67                    | -2.66                                         |                                                |
| VE-6*-**       | 1/12/2023 13:54 | 26.1         | 28.7         | 0           | 45.2          | 68                    | -3.36                                         |                                                |
| VE-7*          | 1/12/2023 13:59 | 0.2          | 0.3          | 21.7        | 77.8          | 72                    | -0.01                                         |                                                |
| VE-8*          | 1/12/2023 14:06 | 14           | 20.5         | 1           | 64.5          | 67                    | -2.44                                         |                                                |
| VE-9*-**       | 1/12/2023 14:11 | 55.7         | 29.9         | 0.1         | 14.3          | 69                    | -2.5                                          |                                                |
| VF-1*          | 1/19/2023 8:16  | 0.3          | 0.4          | 22          | 77.3          | 47                    | -28.35                                        |                                                |
| VF-10          | 1/19/2023 9:49  | 61.1         | 36.7         | 0           | 2.2           | 51                    | -29.82                                        |                                                |
| VF-11**        | 1/19/2023 9:54  | 51.9         | 35.7         | 0           | 12.4          | 50                    | -30.79                                        |                                                |
| VF-2*          | 1/19/2023 8:40  | 4.4          | 2.6          | 19.1        | 73.9          | 48                    | -2.12                                         |                                                |
| VF-3**         | 1/19/2023 8:47  | 61.8         | 35.7         | 0           | 2.5           | 50                    | -4.28                                         |                                                |
| VF-4*          | 1/19/2023 9:15  | 0.6          | 0.3          | 22.4        | 76.7          | 52                    | -36.75                                        |                                                |
| VF-5R*         | 1/19/2023 9:19  | 50.8         | 27.7         | 0.1         | 21.4          | 52                    | -4.36                                         |                                                |
| VF-6           | 1/19/2023 9:22  | 47.1         | 36.3         | 0           | 16.6          | 52                    | -0.89                                         |                                                |
| VF-7*          | 1/19/2023 9:31  | 19.8         | 9.8          | 15.9        | 54.5          | 54                    | -1.44                                         |                                                |
| VF-7A          | 1/19/2023 9:27  | 62.6         | 36.5         | 0           | 0.9           | 53                    | -1.24                                         |                                                |
| VF-8R*         | 1/19/2023 9:36  | 66.3         | 32.8         | 0           | 0.9           | 53                    | -0.71                                         |                                                |
| VF-9           | 1/19/2023 9:41  | 57.3         | 40.0         | 0           | 2.7           | 53                    | -0.88                                         |                                                |
| VG-1           | 1/19/2023 10:14 | 49.9         | 35.1         | 0           | 15.0          | 53                    | -26.85                                        |                                                |
| VG-1A          | 1/19/2023 10:03 | 62.8         | 34.3         | 0           | 2.9           | 54                    | -7.83                                         |                                                |
| VG-2R          | 1/19/2023 10:20 | 37.6         | 18.6         | 4.6         | 34.5          | 51                    | -37.03                                        |                                                |
| VG-3**         | 1/19/2023 10:32 | 56           | 37.1         | 0           | 6.9           | 60                    | -5.08                                         |                                                |
| VG-3AR**       | 1/19/2023 10:27 | 57.6         | 38.0         | 0           | 4.4           | 52                    | -2.34                                         |                                                |
| VG-4**         | 1/19/2023 10:41 | 52.2         | 38.1         | 1.1         | 8.6           | 51                    | -1.88                                         |                                                |
| VG-4A          | 1/19/2023 10:37 | 48.9         | 31.7         | 0.1         | 19.3          | 52                    | -16.76                                        |                                                |
| VG-5           | 1/19/2023 10:47 | 46.8         | 37.9         | 0           | 15.3          | 55                    | -4.42                                         |                                                |
| VG-6           | 1/19/2023 10:51 | 43           | 37.1         | 0           | 19.9          | 53                    | -0.53                                         |                                                |
| VH-1           | 1/19/2023 11:56 | 45           | 30.0         | 0           | 25.0          | 54                    | -3.02                                         |                                                |
| VH-10**        | 1/19/2023 12:56 | 49           | 31.5         | 0.3         | 19.2          | 59                    | -0.46                                         |                                                |
| VH-11          | 1/19/2023 13:04 | 29.3         | 26.9         | 0           | 43.8          | 57                    | -1.19                                         |                                                |
| VH-12          | 1/19/2023 13:00 | 52.7         | 35.1         | 1.7         | 10.5          | 60                    | -0.81                                         |                                                |
| VH-13          | 1/19/2023 13:07 | 34.4         | 31.8         | 0           | 33.8          | 59                    | -0.39                                         |                                                |
| VH-2           | 1/19/2023 11:03 | 14.8         | 23.1         | 0           | 62.1          | 49                    | -1.5                                          |                                                |
| VH-3*          | 1/19/2023 12:05 | 0.5          | 0.5          | 22          | 77.0          | 55                    | -0.3                                          |                                                |
| VH-4**         | 1/19/2023 11:01 | 14           | 22.3         | 0           | 63.7          | 55                    | -1.82                                         |                                                |
| VH-5**         | 1/19/2023 12:09 | 41.8         | 33.4         | 0           | 24.8          | 56                    | -1.89                                         |                                                |
| VH-6           | 1/19/2023 12:28 | 51.3         | 31.2         | 1.8         | 15.7          | 55                    | -24.46                                        |                                                |

\* - Alternative oxygen wellhead limit

\*\* - Alternate temperature wellhead limit

| Permit Well ID | Date/Time       | %CH4 by Vol. | %CO2 by Vol. | %O2 by Vol. | %Bal. by Vol. | Wellhead Temp.<br>° F | Initial Vacuum<br>(inches of water<br>column) | Adjusted Vacuum<br>(inches of water<br>column) |
|----------------|-----------------|--------------|--------------|-------------|---------------|-----------------------|-----------------------------------------------|------------------------------------------------|
| VH-7R          | 1/19/2023 12:32 | 51.2         | 35.8         | 0           | 13.0          | 60                    | -12.4                                         |                                                |
| VH-8           | 1/19/2023 12:37 | 47           | 35.6         | 0           | 17.4          | 58                    | -1.32                                         |                                                |
| VH-9           | 1/19/2023 12:48 | 37           | 32.3         | 0           | 30.7          | 59                    | -0.29                                         |                                                |
| VJ-10R*        | 1/19/2023 14:06 | 41           | 20.7         | 7.9         | 30.4          | 53                    | -2.04                                         |                                                |
| VJ-11R*        | 1/19/2023 14:03 | 14.5         | 7.9          | 17.1        | 60.5          | 53                    | -34.31                                        |                                                |
| VJ-1R          | 1/19/2023 13:26 | 37.9         | 27.8         | 0           | 34.3          | 56                    | -4.73                                         |                                                |
| VJ-2R*         | 1/19/2023 13:16 | 20.1         | 10.7         | 15.3        | 53.9          | 60                    | -10.7                                         |                                                |
| VJ-3R*-**      | 1/19/2023 13:20 | 55.8         | 26.6         | 3.2         | 14.4          | 59                    | -23.04                                        |                                                |
| VJ-4A*-**      | 1/19/2023 13:28 | 28.6         | 24.1         | 0.3         | 47.0          | 59                    | -29.85                                        |                                                |
| VJ-4R*-**      | 1/19/2023 13:31 | 47.1         | 30.7         | 0.3         | 21.9          | 60                    | -4.61                                         |                                                |
| VJ-5R*         | 1/19/2023 13:44 | 59.6         | 38.4         | 0           | 2.0           | 56                    | -33.1                                         |                                                |
| VJ-6R*         | 1/19/2023 13:48 | 63.3         | 35.1         | 0           | 1.6           | 56                    | -2.61                                         |                                                |
| VJ-7R*         | 1/19/2023 13:52 | 38.9         | 22.8         | 8.6         | 29.7          | 56                    | -29.72                                        |                                                |
| VJ-8*          | 1/19/2023 13:56 | 1            | 1.5          | 19          | 78.5          | 56                    | -12.99                                        |                                                |
| VJ-9R*         | 1/19/2023 13:59 | 45.6         | 24.0         | 6.4         | 24.0          | 52                    | -4.93                                         |                                                |
| VK-1R          | 1/19/2023 14:11 | 62.2         | 35.5         | 0           | 2.3           | 53                    | -24.52                                        |                                                |
| VK-2R          | 1/19/2023 14:16 | 67.3         | 31.5         | 0           | 1.2           | 52                    | -13.12                                        |                                                |
| VK-3R*         | 1/19/2023 14:27 | 56.8         | 27.7         | 2.2         | 13.3          | 55                    | -36.66                                        |                                                |
| VK-4*          | 1/19/2023 14:23 | 65.8         | 34.2         | 0           | 0.0           | 54                    | -16.73                                        |                                                |
| VK-5*          | 1/19/2023 14:18 | 62.3         | 36.2         | 0           | 1.5           | 53                    | -1.99                                         |                                                |

## FRONT NINE

| Permit Well ID | Date/Time      | %CH4 by Vol. | %CO2 by Vol. | %O2 by Vol. | %Bal. by Vol. | Wellhead Temp.<br>° F | Initial Vacuum<br>(inches of water<br>column) | Adjusted Vacuum<br>(inches of water<br>column) |
|----------------|----------------|--------------|--------------|-------------|---------------|-----------------------|-----------------------------------------------|------------------------------------------------|
| A-16*          | 1/5/2023 14:40 | 11.3         | 4.6          | 18          | 66.1          | 54                    | -38.87                                        |                                                |
| A-5            | 1/5/2023 8:10  | 46.2         | 32.6         | 2.5         | 77.2          | 57                    | -21.4                                         |                                                |
| B-12           | 1/5/2023 14:25 | 25.4         | 18.5         | 4.5         | 59.4          | 59                    | -14.46                                        |                                                |
| B-2*           | 1/5/2023 13:30 | 5.5          | 1.5          | 21.4        | 71.6          | 54                    | -0.16                                         |                                                |
| B-28*          | 1/5/2023 8:24  | 18.2         | 3.2          | 7.3         | 71.3          | 58                    | -1.3                                          |                                                |
| B-3R*          | 1/5/2023 13:41 | 34.4         | 26.1         | 0.6         | 38.9          | 57                    | -5.38                                         |                                                |
| B-4R*          | 1/5/2023 13:46 | 29.4         | 16.4         | 4.6         | 45.8          | 56                    | -0.01                                         |                                                |
| FHZ-1*         | 1/5/2023 14:06 | 48.7         | 32.5         | 2.6         | 16.2          | 58                    | -0.06                                         |                                                |
| FHZ-2*         | 1/5/2023 14:13 | 59.1         | 38.5         | 0           | 2.4           | 58                    | -0.22                                         |                                                |
| FHZ-3*         | 1/5/2023 14:18 | 29.2         | 28.8         | 0.1         | 41.9          | 56                    | -0.01                                         |                                                |
| FHZ-4*         | 1/5/2023 14:35 | 60.7         | 31.0         | 0           | 8.3           | 58                    | -1.06                                         |                                                |
| FHZ-5*         | 1/5/2023 14:44 | 53.7         | 33.8         | 0           | 12.5          | 58                    | -0.04                                         |                                                |
| LE-1*          | 1/5/2023 12:29 | 10.1         | 17.9         | 1.5         | 70.5          | 60                    | -0.09                                         |                                                |

\* - Alternative oxygen wellhead limit

\*\* - Alternate temperature wellhead limit

| Permit Well ID | Date/Time      | %CH4 by Vol. | %CO2 by Vol. | %O2 by Vol. | %Bal. by Vol. | Wellhead Temp.<br>° F | Initial Vacuum<br>(inches of water<br>column) | Adjusted Vacuum<br>(inches of water<br>column) |
|----------------|----------------|--------------|--------------|-------------|---------------|-----------------------|-----------------------------------------------|------------------------------------------------|
| LE-2*          | 1/5/2023 13:17 | 0            | 1.0          | 18.8        | 80.2          | 53                    | -0.01                                         |                                                |
| LE-3*          | 1/5/2023 13:00 | 0            | 0.0          | 22.9        | 77.1          | 57                    | -0.05                                         |                                                |
| LE-4*          | 1/5/2023 13:03 | 0            | 0.0          | 22.5        | 77.5          | 55                    | -0.05                                         |                                                |
| Y-1*           | 1/5/2023 8:30  | 0.1          | 0.0          | 22.6        | 77.3          | 62                    | -29.07                                        |                                                |
| Y-2*           | 1/5/2023 12:56 | 2.2          | 0.8          | 20.7        | 76.3          | 54                    | -0.12                                         |                                                |
| Y-3*           | 1/5/2023 13:10 | 0            | 0.0          | 22.9        | 77.1          | 56                    | -0.02                                         |                                                |
| Y-4*           | 1/5/2023 13:06 | 0            | 0.0          | 22.5        | 77.5          | 55                    | -0.01                                         |                                                |
| Y-5*           | 1/5/2023 12:35 | 0            | 0.0          | 22.7        | 77.3          | 55                    | -0.57                                         |                                                |
| Y-6*           | 1/5/2023 12:32 | 0            | 0.1          | 22.5        | 77.4          | 67                    | -0.78                                         |                                                |

## MICHAELS

| Permit Well ID | Date/Time     | %CH4 by Vol. | %CO2 by Vol. | %O2 by Vol. | %Bal. by Vol. | Wellhead Temp.<br>° F | Initial Vacuum<br>(inches of water<br>column) | Adjusted Vacuum<br>(inches of water<br>column) |
|----------------|---------------|--------------|--------------|-------------|---------------|-----------------------|-----------------------------------------------|------------------------------------------------|
| B-20*          | 1/5/2023 7:33 | 0            | 0.2          | 20.9        | 78.9          | 53                    | -0.39                                         |                                                |
| B-24*          | 1/5/2023 7:37 | 18.6         | 10.1         | 15.4        | 55.9          | 52.0                  | -0.01                                         |                                                |
| MPHZ*          | 1/5/2023 7:29 | 4.1          | 8.4          | 10          | 77.5          | 57                    | -0.72                                         |                                                |

## BACK NINE

| Permit Well ID | Date/Time       | %CH4 by Vol. | %CO2 by Vol. | %O2 by Vol. | %Bal. by Vol. | Wellhead Temp.<br>° F | Initial Vacuum<br>(inches of water<br>column) | Adjusted Vacuum<br>(inches of water<br>column) |
|----------------|-----------------|--------------|--------------|-------------|---------------|-----------------------|-----------------------------------------------|------------------------------------------------|
| WA-10          | 1/17/2023 9:23  | 46           | 28.2         | 4.2         | 20.5          | 50                    | -0.51                                         |                                                |
| WA-11          | 1/17/2023 9:28  | 58.6         | 40.4         | 0           | 1.0           | 51                    | -2.18                                         |                                                |
| WA-12R         | 1/17/2023 9:37  | 57.8         | 42.2         | 0           | 0.0           | 54                    | -0.09                                         |                                                |
| WA-13*         | 1/17/2023 9:46  | 56           | 35.5         | 0.5         | 8.0           | 51                    | -4.97                                         |                                                |
| WA-14*         | 1/17/2023 9:55  | 5.8          | 9.0          | 1.8         | 83.4          | 52                    | -1.28                                         |                                                |
| WA-15R*        | 1/17/2023 10:08 | 0.1          | 0.0          | 23.2        | 76.7          | 51                    | -0.21                                         |                                                |
| WA-16*         | 1/17/2023 10:17 | 64.3         | 35.0         | 0           | 0.7           | 56                    | -8.61                                         |                                                |
| WA-17          | 1/17/2023 10:21 | 36.8         | 25.4         | 4.6         | 74.4          | 59                    | -17.97                                        |                                                |
| WA-18*         | 1/23/2023 12:33 | 54.4         | 25.0         | 4.3         | 16.3          | 56                    | -9.78                                         |                                                |
| WA-19*         | 1/17/2023 12:18 | 0            | 0.0          | 23.1        | 76.9          | 55                    | -0.73                                         |                                                |
| WA-1R*         | 1/17/2023 8:12  | 58.5         | 41.5         | 0           | 0.0           | 40                    | -5.07                                         |                                                |
| WA-2*          | 1/17/2023 8:22  | 67.6         | 32.4         | 0           | 0.0           | 40                    | -24.72                                        |                                                |
| WA-20*         | 1/17/2023 12:22 | 60.4         | 37.0         | 0.5         | 2.1           | 62                    | -0.31                                         |                                                |
| WA-21R*        | 1/17/2023 12:33 | 33.7         | 22.9         | 7.5         | 35.9          | 56                    | -1.38                                         |                                                |

\* - Alternative oxygen wellhead limit

\*\* - Alternate temperature wellhead limit

| Permit Well ID | Date/Time       | %CH4 by Vol. | %CO2 by Vol. | %O2 by Vol. | %Bal. by Vol. | Wellhead Temp.<br>° F | Initial Vacuum<br>(inches of water<br>column) | Adjusted Vacuum<br>(inches of water<br>column) |
|----------------|-----------------|--------------|--------------|-------------|---------------|-----------------------|-----------------------------------------------|------------------------------------------------|
| WA-22R*        | 1/17/2023 12:39 | 43.8         | 27.2         | 5.4         | 23.6          | 59                    | -2.14                                         |                                                |
| WA-23R*        | 1/17/2023 12:42 | 58           | 39.2         | 0           | 2.8           | 61                    | -3.01                                         |                                                |
| WA-24*         | 1/17/2023 13:00 | 31.4         | 17.8         | 11.5        | 39.3          | 58                    | -19.95                                        |                                                |
| WA-25*         | 1/17/2023 13:12 | 41.4         | 31.3         | 6.6         | 20.7          | 60                    | -0.2                                          |                                                |
| WA-26*         | 1/18/2023 8:25  | 64.4         | 34.8         | 0           | 0.8           | 43                    | -0.27                                         |                                                |
| WA-27*         | 1/18/2023 8:34  | 61.9         | 30.0         | 0.9         | 7.2           | 43                    | -0.21                                         |                                                |
| WA-28*         | 1/18/2023 8:41  | 40.6         | 31.0         | 0           | 28.4          | 44                    | -2.3                                          |                                                |
| WA-29*         | 1/18/2023 8:47  | 58.9         | 40.4         | 0           | 0.7           | 44                    | -2.29                                         |                                                |
| WA-4           | 1/17/2023 8:33  | 56.6         | 31.6         | 2.6         | 9.2           | 42                    | -28.04                                        |                                                |
| WA-5*          | 1/17/2023 8:56  | 24.7         | 15.6         | 15.3        | 44.4          | 55                    | -0.4                                          |                                                |
| WA-6*          | 1/17/2023 8:45  | 59           | 35.2         | 0           | 5.8           | 46                    | -0.56                                         |                                                |
| WA-7           | 1/17/2023 9:02  | 62.7         | 37.3         | 0           | 0.0           | 41                    | -0.06                                         |                                                |
| WA-8*          | 1/17/2023 9:14  | 48.2         | 28.1         | 4.8         | 18.9          | 51                    | -1.45                                         |                                                |
| WA-9*          | 1/17/2023 9:19  | 59.5         | 40.5         | 0           | 0.0           | 49                    | -8.47                                         |                                                |
| WB-1*          | 1/19/2023 12:52 | 61.6         | 36.9         | 0.1         | 1.4           | 59                    | -0.66                                         |                                                |
| WB-10R*        | 1/19/2023 8:46  | 27           | 14.5         | 13.7        | 44.8          | 46                    | -2.38                                         |                                                |
| WB-11*         | 1/19/2023 8:40  | 60.8         | 32.2         | 1.4         | 5.6           | 46                    | -16.16                                        |                                                |
| WB-12AR*       | 1/19/2023 8:23  | 55           | 36.2         | 0.9         | 7.9           | 43                    | -1.2                                          |                                                |
| WB-12R*        | 1/19/2023 8:31  | 59.1         | 39.5         | 0           | 1.4           | 44                    | -6.87                                         |                                                |
| WB-13R*        | 1/19/2023 8:16  | 15.4         | 10.7         | 15.9        | 58.0          | 43                    | -41.89                                        |                                                |
| WB-14R*        | 1/19/2023 8:13  | 53.8         | 33.8         | 1.6         | 10.8          | 43                    | -0.62                                         |                                                |
| WB-15R*        | 1/19/2023 8:03  | 54.8         | 39.2         | 0.7         | 5.3           | 43                    | -1.2                                          |                                                |
| WB-16R*        | 1/19/2023 8:00  | 0            | 0.0          | 23.1        | 76.9          | 43                    | -1.08                                         |                                                |
| WB-17R*        | 1/17/2023 12:47 | 46.8         | 30.2         | 0.2         | 22.8          | 54                    | -2.17                                         |                                                |
| WB-2*          | 1/19/2023 12:38 | 0            | 0.0          | 22.4        | 77.6          | 59                    | -1.83                                         |                                                |
| WB-3*          | 1/19/2023 10:22 | 0            | 0.0          | 22.4        | 77.6          | 63                    | -0.1                                          |                                                |
| WB-4*          | 1/19/2023 10:04 | 33.1         | 10.8         | 11.5        | 44.6          | 57                    | -5.75                                         |                                                |
| WB-5A*         | 1/19/2023 9:51  | 14.4         | 5.2          | 17          | 63.4          | 60                    | -0.03                                         |                                                |
| WB-5R*         | 1/19/2023 9:44  | 57.2         | 32.9         | 1.8         | 8.1           | 61                    | -26.97                                        |                                                |
| WB-6*          | 1/19/2023 9:33  | 59.9         | 38.8         | 0.2         | 1.1           | 58                    | -0.06                                         |                                                |
| WB-6A*         | 1/19/2023 9:38  | 51.1         | 36.9         | 0           | 12.0          | 63                    | -2.59                                         |                                                |
| WB-7*          | 1/19/2023 9:17  | 60.1         | 29.2         | 2.5         | 8.2           | 58                    | -1.74                                         |                                                |
| WB-7A*         | 1/19/2023 9:28  | 6.8          | 3.1          | 20.5        | 69.6          | 56                    | -0.09                                         |                                                |
| WB-8*          | 1/19/2023 9:00  | 51           | 29.8         | 4.4         | 14.8          | 46                    | -38.23                                        |                                                |
| WB-9*          | 1/19/2023 8:52  | 49.8         | 27.3         | 4.3         | 18.6          | 45                    | -5.05                                         |                                                |
| WC-1           | 1/23/2023 9:22  | 61.7         | 30.2         | 0           | 8.1           | 60                    | -3.37                                         |                                                |
| WC-2           | 1/23/2023 9:42  | 38.4         | 24.2         | 4.1         | 57.6          | 59                    | -3.66                                         |                                                |
| WC-3           | 1/23/2023 9:53  | 63.8         | 36.2         | 0           | 0.0           | 56                    | -0.05                                         |                                                |
| WC-4R          | 1/19/2023 13:21 | 69           | 24.6         | 0.8         | 5.6           | 57                    | -4                                            |                                                |

\* - Alternative oxygen wellhead limit

\*\* - Alternate temperature wellhead limit

| Permit Well ID | Date/Time       | %CH4 by Vol. | %CO2 by Vol. | %O2 by Vol. | %Bal. by Vol. | Wellhead Temp.<br>° F | Initial Vacuum<br>(inches of water<br>column) | Adjusted Vacuum<br>(inches of water<br>column) |
|----------------|-----------------|--------------|--------------|-------------|---------------|-----------------------|-----------------------------------------------|------------------------------------------------|
| WD-1           | 1/19/2023 14:16 | 71.4         | 28.6         | 0           | 0.0           | 57                    | -23.65                                        |                                                |
| WD-2           | 1/19/2023 14:07 | 61.5         | 22.6         | 1.3         | 14.6          | 57                    | -4.26                                         |                                                |
| WD-3*          | 1/19/2023 14:00 | 67.9         | 32.1         | 0           | 0.0           | 58                    | -0.2                                          |                                                |
| WD-4           | 1/19/2023 13:45 | 63.5         | 36.5         | 0           | 0.0           | 61                    | -13.52                                        |                                                |
| WE-1           | 1/23/2023 7:44  | 64           | 33.6         | 0.1         | 2.3           | 43                    | -30.82                                        |                                                |
| WE-1AR         | 1/19/2023 14:22 | 67.3         | 26.2         | 0.4         | 6.1           | 57                    | -3.31                                         |                                                |
| WE-2           | 1/23/2023 7:50  | 60           | 40.0         | 0           | 0.0           | 44                    | -8.03                                         |                                                |
| WE-3           | 1/23/2023 8:02  | 70           | 15.5         | 2.9         | 11.6          | 41                    | -0.03                                         |                                                |
| WE-4           | 1/23/2023 8:15  | 60.4         | 39.6         | 0           | 0.0           | 46                    | -20.63                                        |                                                |
| WE-5           | 1/23/2023 8:28  | 61.7         | 38.3         | 0           | 0.0           | 42                    | -4.21                                         |                                                |
| WF-1           | 1/23/2023 10:23 | 62.6         | 37.4         | 0           | 0.0           | 64                    | -3.79                                         |                                                |
| WF-2           | 1/19/2023 13:34 | 61.1         | 35.6         | 0.7         | 2.6           | 60                    | -0.81                                         |                                                |
| WN-10*         | 1/18/2023 9:34  | 57.8         | 39.9         | 0.2         | 2.1           | 49                    | -44.16                                        |                                                |
| WN-11*         | 1/18/2023 9:30  | 61           | 39.0         | 0           | 0.0           | 50                    | -3.39                                         |                                                |
| WN-12R*        | 1/18/2023 9:21  | 0            | 0.0          | 23.5        | 76.5          | 50                    | -38.84                                        |                                                |
| WN-13*         | 1/18/2023 8:56  | 0.6          | 0.6          | 22.9        | 75.9          | 42                    | -6.77                                         |                                                |
| WN-1R*         | 1/18/2023 10:25 | 55.5         | 34.2         | 1.4         | 8.9           | 58                    | -8.78                                         |                                                |
| WN-2R*         | 1/18/2023 10:20 | 1.4          | 0.3          | 20.9        | 77.4          | 57                    | -38.48                                        |                                                |
| WN-3R*         | 1/18/2023 10:15 | 0            | 0.1          | 23.2        | 76.7          | 55                    | -39.01                                        |                                                |
| WN-4*          | 1/18/2023 10:07 | 56           | 31.9         | 1.3         | 10.8          | 55                    | -39.55                                        |                                                |
| WN-4A*         | 1/18/2023 10:03 | 62.6         | 34.0         | 0           | 3.4           | 54                    | -36.39                                        |                                                |
| WN-5R*         | 1/18/2023 9:58  | 59.5         | 40.5         | 0           | 0.0           | 53                    | -16.66                                        |                                                |
| WN-6R*         | 1/18/2023 9:53  | 56.7         | 38.2         | 0.6         | 4.5           | 53                    | -1.53                                         |                                                |
| WN-7*          | 1/18/2023 9:48  | 43.7         | 29.9         | 3.3         | 23.1          | 52                    | -0.39                                         |                                                |
| WN-8R*         | 1/18/2023 9:44  | 54.7         | 36.1         | 0           | 9.2           | 52                    | -7.89                                         |                                                |
| WN-9R*         | 1/18/2023 9:37  | 59.9         | 40.1         | 0           | 0.0           | 53                    | -13.2                                         |                                                |

## CRITTENDEN

| Permit Well ID | Date/Time       | %CH4 by Vol. | %CO2 by Vol. | %O2 by Vol. | %Bal. by Vol. | Wellhead Temp.<br>° F | Initial Vacuum<br>(inches of water<br>column) | Adjusted Vacuum<br>(inches of water<br>column) |
|----------------|-----------------|--------------|--------------|-------------|---------------|-----------------------|-----------------------------------------------|------------------------------------------------|
| CRA-10*        | 1/24/2023 10:25 | 0.1          | 0.1          | 22.1        | 77.7          | 58                    | -0.85                                         |                                                |
| CRA-11         | 1/24/2023 12:26 | 44.4         | 28.9         | 4.4         | 21.3          | 60                    | -0.68                                         |                                                |
| CRA-12         | 1/24/2023 10:41 | 48.6         | 31.2         | 4           | 16.2          | 60                    | -1.33                                         |                                                |
| CRA-13*        | 1/24/2023 10:36 | 59.5         | 37.7         | 0           | 2.8           | 60                    | -1.26                                         |                                                |
| CRA-1R*        | 1/24/2023 9:32  | 60.8         | 39.2         | 0           | 0             | 52                    | -0.74                                         |                                                |
| CRA-2R*        | 1/24/2023 9:41  | 12.3         | 10.2         | 12.2        | 65.3          | 55                    | -0.12                                         |                                                |
| CRA-3*         | 1/24/2023 9:45  | 48.8         | 37.3         | 0           | 13.9          | 55                    | -1.13                                         |                                                |

\* - Alternative oxygen wellhead limit

\*\* - Alternate temperature wellhead limit

| Permit Well ID | Date/Time       | %CH4 by Vol. | %CO2 by Vol. | %O2 by Vol. | %Bal. by Vol. | Wellhead Temp.<br>° F | Initial Vacuum<br>(inches of water<br>column) | Adjusted Vacuum<br>(inches of water<br>column) |
|----------------|-----------------|--------------|--------------|-------------|---------------|-----------------------|-----------------------------------------------|------------------------------------------------|
| CRA-4*         | 1/24/2023 14:33 | 7.9          | 5.9          | 16.4        | 69.8          | 62                    | -0.04                                         |                                                |
| CRA-5R*        | 1/24/2023 10:04 | 18.1         | 15.6         | 11.5        | 54.8          | 59                    | -2.48                                         |                                                |
| CRA-6*         | 1/24/2023 10:08 | 20.5         | 22.7         | 2.5         | 54.3          | 60                    | -1.12                                         |                                                |
| CRA-7R*        | 1/24/2023 10:12 | 14.4         | 22           | 0.1         | 63.5          | 54                    | -1.1                                          |                                                |
| CRA-8*         | 1/24/2023 10:17 | 50.4         | 32.4         | 0           | 17.2          | 56                    | -1.06                                         |                                                |
| CRA-9*         | 1/24/2023 10:21 | 17.8         | 10.1         | 3.8         | 68.3          | 58                    | -2.23                                         |                                                |
| CRB-1R*        | 1/24/2023 12:35 | 23.1         | 17.6         | 8.8         | 50.5          | 69                    | -0.58                                         |                                                |
| CRB-2R*        | 1/24/2023 12:45 | 44           | 30.8         | 0.1         | 25.1          | 67                    | -0.55                                         |                                                |
| CRB-3*         | 1/24/2023 12:55 | 49           | 29.3         | 0.1         | 21.6          | 67                    | -0.11                                         |                                                |
| CRB-4R*        | 1/24/2023 13:01 | 43.7         | 28.1         | 0.1         | 28.1          | 68                    | -0.43                                         |                                                |
| CRB-5*         | 1/24/2023 13:05 | 0.1          | 0.1          | 21.6        | 78.2          | 69                    | -0.14                                         |                                                |
| CRB-6*         | 1/24/2023 13:11 | 2.3          | 5.4          | 12          | 80.3          | 67                    | -0.14                                         |                                                |
| CRB-7R*        | 1/24/2023 13:18 | 65.7         | 31.6         | 0           | 2.7           | 65                    | -0.47                                         |                                                |
| CRB-8*         | 1/24/2023 13:26 | 16.3         | 11           | 11.7        | 61            | 62                    | -0.46                                         |                                                |
| CRC-1          | 1/24/2023 13:23 | 46.5         | 23.3         | 3.9         | 26.3          | 68                    | -2.74                                         |                                                |
| CRC-2          | 1/24/2023 13:14 | 58.9         | 29.1         | 0           | 12            | 66                    | -0.24                                         |                                                |
| CRC-3          | 1/24/2023 12:50 | 58.9         | 34.9         | 0           | 6.2           | 65                    | -0.43                                         |                                                |
| CRC-4          | 1/24/2023 12:40 | 31.2         | 19.1         | 4.5         | 42            | 65                    | -0.55                                         |                                                |
| CRD-1*         | 1/24/2023 13:32 | 41.8         | 24.1         | 6.1         | 28            | 65                    | -0.44                                         |                                                |
| CRD-10*        | 1/24/2023 14:13 | 61           | 28.2         | 0           | 10.8          | 69                    | -0.41                                         |                                                |
| CRD-11*        | 1/24/2023 14:19 | 0.3          | 0.1          | 21.6        | 78            | 67                    | -0.16                                         |                                                |
| CRD-2          | 1/24/2023 13:36 | 65.4         | 34.5         | 0           | 0.1           | 65                    | -0.29                                         |                                                |
| CRD-3*         | 1/24/2023 13:40 | 60.3         | 39.7         | 0           | 0             | 64                    | -0.41                                         |                                                |
| CRD-4          | 1/24/2023 13:44 | 22.5         | 16.5         | 4.6         | 77.9          | 67                    | -0.83                                         |                                                |
| CRD-5*         | 1/24/2023 13:50 | 68.3         | 31.3         | 0           | 0.4           | 68                    | -0.16                                         |                                                |
| CRD-6          | 1/24/2023 13:54 | 24.5         | 18.3         | 4.7         | 77.4          | 67                    | -0.52                                         |                                                |
| CRD-7          | 1/24/2023 14:02 | 21.3         | 16.2         | 4.2         | 78.1          | 67                    | -0.04                                         |                                                |
| CRD-8R*        | 1/24/2023 14:05 | 0.4          | 1.6          | 20.2        | 77.8          | 70                    | -0.14                                         |                                                |
| CRD-9*         | 1/24/2023 14:09 | 62.9         | 34.6         | 0           | 2.5           | 71                    | -0.04                                         |                                                |

## 6ANE

| Permit Well ID | Date/Time      | %CH4 by Vol. | %CO2 by Vol. | %O2 by Vol. | %Bal. by Vol. | Wellhead Temp.<br>° F | Initial Vacuum<br>(inches of water<br>column) | Adjusted Vacuum<br>(inches of water<br>column) |
|----------------|----------------|--------------|--------------|-------------|---------------|-----------------------|-----------------------------------------------|------------------------------------------------|
| NEA-1*         | 1/10/2023 7:43 | 49           | 30.6         | 4.8         | 15.6          | 50                    | -5.2                                          |                                                |
| NEA-10         | 1/10/2023 8:39 | 59.5         | 40.5         | 0           | 0.0           | 51                    | -7.65                                         |                                                |
| NEA-11*        | 1/10/2023 8:47 | 59.9         | 40.1         | 0           | 0.0           | 50                    | -5.74                                         |                                                |
| NEA-12         | 1/10/2023 8:51 | 58.6         | 41.4         | 0           | 0.0           | 51                    | -0.41                                         |                                                |

\* - Alternative oxygen wellhead limit

\*\* - Alternate temperature wellhead limit

| Permit Well ID | Date/Time       | %CH4 by Vol. | %CO2 by Vol. | %O2 by Vol. | %Bal. by Vol. | Wellhead Temp.<br>° F | Initial Vacuum<br>(inches of water<br>column) | Adjusted Vacuum<br>(inches of water<br>column) |
|----------------|-----------------|--------------|--------------|-------------|---------------|-----------------------|-----------------------------------------------|------------------------------------------------|
| NEA-13*        | 1/10/2023 8:54  | 58           | 39.0         | 0           | 3.0           | 50                    | -1.05                                         |                                                |
| NEA-14         | 1/10/2023 9:00  | 58.2         | 38.7         | 0.1         | 3.0           | 50                    | -39.5                                         |                                                |
| NEA-15*        | 1/10/2023 9:04  | 55.4         | 40.0         | 0           | 4.6           | 51                    | -38.15                                        |                                                |
| NEA-16A*       | 1/10/2023 9:09  | 57.9         | 41.3         | 0.1         | 0.7           | 50                    | -38.18                                        |                                                |
| NEA-2R*        | 1/10/2023 7:46  | 1.4          | 0.5          | 22.6        | 75.5          | 49                    | -9.42                                         |                                                |
| NEA-3*         | 1/10/2023 7:52  | 66           | 33.6         | 0           | 0.4           | 51                    | -3.41                                         |                                                |
| NEA-4*         | 1/10/2023 8:02  | 46.7         | 30.2         | 5.4         | 17.7          | 50                    | -11.56                                        |                                                |
| NEA-5R*        | 1/10/2023 8:05  | 65.3         | 33.1         | 0           | 1.6           | 51                    | -0.01                                         |                                                |
| NEA-6*         | 1/10/2023 8:12  | 50.4         | 25.8         | 3           | 20.8          | 51                    | -1.95                                         |                                                |
| NEA-7*         | 1/10/2023 8:18  | 59.3         | 40.7         | 0           | 0.0           | 52                    | -0.01                                         |                                                |
| NEA-8* - **    | 1/10/2023 8:24  | 53.4         | 38.8         | 0           | 7.8           | 52                    | -4.43                                         |                                                |
| NEA-9*         | 1/10/2023 8:34  | 59.5         | 40.5         | 0           | 0.0           | 51                    | -8.48                                         |                                                |
| NEB-1*         | 1/10/2023 9:25  | 52.2         | 27.5         | 2.7         | 17.6          | 54                    | -11.84                                        |                                                |
| NEB-10*        | 1/10/2023 12:28 | 51           | 36.3         | 0           | 12.7          | 54                    | -2.52                                         |                                                |
| NEB-11*        | 1/10/2023 12:32 | 59.2         | 39.4         | 0           | 1.4           | 57                    | -22.07                                        |                                                |
| NEB-12*        | 1/10/2023 12:36 | 58.9         | 39.7         | 0           | 1.4           | 54                    | -1.81                                         |                                                |
| NEB-13*        | 1/10/2023 12:39 | 43.4         | 38.0         | 0           | 18.6          | 56                    | -0.39                                         |                                                |
| NEB-14R*       | 1/10/2023 12:46 | 0.4          | 2.6          | 19          | 78.0          | 58                    | -0.07                                         |                                                |
| NEB-2*         | 1/10/2023 9:30  | 25.5         | 3.5          | 14.1        | 56.9          | 56                    | -3.58                                         |                                                |
| NEB-3*         | 1/10/2023 9:35  | 54.9         | 36.6         | 0           | 8.5           | 55                    | -0.75                                         |                                                |
| NEB-4*         | 1/10/2023 9:42  | 45.9         | 25.7         | 5.6         | 22.8          | 53                    | -25.16                                        |                                                |
| NEB-5*         | 1/10/2023 9:47  | 54.2         | 33.6         | 0           | 12.2          | 53                    | -1                                            |                                                |
| NEB-6*         | 1/10/2023 9:56  | 54.6         | 41.4         | 0           | 4.0           | 53                    | -2.9                                          |                                                |
| NEB-7*         | 1/10/2023 10:01 | 46.3         | 37.1         | 0           | 16.6          | 53                    | -1.27                                         |                                                |
| NEB-8*         | 1/10/2023 10:05 | 54.8         | 39.9         | 0           | 5.3           | 53                    | -1.12                                         |                                                |
| NEB-9          | 1/10/2023 12:24 | 46.5         | 34.7         | 0           | 18.8          | 55                    | -1.35                                         |                                                |
| NEC-1*         | 1/10/2023 13:05 | 45.5         | 36.0         | 0.5         | 18.0          | 56                    | -15.55                                        |                                                |
| NEC-2*         | 1/10/2023 13:09 | 50.8         | 35.7         | 0.4         | 13.1          | 55                    | -0.24                                         |                                                |
| NEC-3*         | 1/10/2023 13:13 | 0.2          | 3.4          | 20.2        | 76.2          | 63                    | -0.08                                         |                                                |
| NED-1R*        | 1/10/2023 13:19 | 44.3         | 35.2         | 0.7         | 19.8          | 57                    | -0.05                                         |                                                |
| NED-2          | 1/10/2023 13:21 | 59.9         | 40.1         | 0           | 0.0           | 57                    | -0.22                                         |                                                |
| NED-3          | 1/10/2023 13:26 | 35.3         | 24.2         | 3.6         | 36.9          | 60                    | -18.06                                        |                                                |
| NEE-1          | 1/10/2023 13:32 | 59.6         | 40.4         | 0           | 0.0           | 57                    | -15.83                                        |                                                |
| NEE-2R*        | 1/10/2023 13:41 | 28.7         | 20.0         | 10.4        | 40.9          | 55                    | -23.57                                        |                                                |
| NEE-3*         | 1/10/2023 13:44 | 8.3          | 4.3          | 19          | 68.4          | 57                    | -25.3                                         |                                                |
| NEE-4*         | 1/10/2023 13:48 | 61           | 32.3         | 0           | 6.7           | 56                    | -26.82                                        |                                                |
| NEE-5*         | 1/10/2023 13:51 | 38.6         | 29.3         | 0           | 32.1          | 55                    | -2.04                                         |                                                |
| NEE-6*         | 1/10/2023 13:55 | 48.8         | 36.5         | 0           | 14.7          | 58                    | -5.24                                         |                                                |

\* - Alternative oxygen wellhead limit

\*\* - Alternate temperature wellhead limit



CITY OF MOUNTAIN VIEW  
MONTHLY LANDFILL GAS WELL HEAD MONITORING

February 2023

| VISTA          |                |              |              |             |               |                       |                                               |                                                |
|----------------|----------------|--------------|--------------|-------------|---------------|-----------------------|-----------------------------------------------|------------------------------------------------|
| Permit Well ID | Date/Time      | %CH4 by Vol. | %CO2 by Vol. | %O2 by Vol. | %Bal. by Vol. | Wellhead Temp.<br>° F | Initial Vacuum<br>(inches of water<br>column) | Adjusted Vacuum<br>(inches of water<br>column) |
| VA-1A*         | 2/2/2023 8:09  | 61.7         | 36.3         | 0.1         | 1.9           | 37                    | -0.44                                         |                                                |
| VA-1R*         | 2/2/2023 7:54  | 61.4         | 38.6         | 0           | 0.0           | 41                    | -0.76                                         |                                                |
| VA-2*          | 2/2/2023 8:14  | 63.2         | 31.6         | 0.8         | 4.4           | 38                    | -2.16                                         |                                                |
| VA-3A*         | 2/2/2023 8:29  | 66.1         | 33.9         | 0           | 0.0           | 40                    | -0.12                                         |                                                |
| VA-3R*         | 2/2/2023 8:24  | 60.4         | 30.4         | 1.8         | 7.4           | 38                    | -6.95                                         |                                                |
| VA-4*          | 2/2/2023 8:34  | 4.4          | 1.4          | 21.8        | 72.4          | 38                    | -24.03                                        |                                                |
| VA-5R          | 2/2/2023 8:42  | 59.1         | 22.6         | 4.1         | 14.2          | 39                    | -25.36                                        |                                                |
| VA-6           | 2/2/2023 8:47  | 66.8         | 19.9         | 2.8         | 10.5          | 40                    | -39.72                                        |                                                |
| VA-HZ*         | 2/2/2023 8:38  | 0.1          | 0.3          | 22.7        | 76.9          | 39                    | -5.74                                         |                                                |
| VB-1*          | 2/2/2023 8:57  | 53.5         | 30.5         | 3.4         | 12.6          | 42                    | -9.15                                         |                                                |
| VB-2R*         | 2/2/2023 9:01  | 66.7         | 27.3         | 0           | 6.0           | 42                    | -2.02                                         |                                                |
| VB-3           | 2/2/2023 9:06  | 57.2         | 33.7         | 0.6         | 8.5           | 42                    | -39.51                                        |                                                |
| VB-3A*         | 2/2/2023 9:12  | 51.7         | 27.7         | 4.3         | 16.3          | 46                    | -16.07                                        |                                                |
| VB-4*          | 2/2/2023 9:18  | 55.6         | 35.0         | 0           | 9.4           | 45                    | -22.35                                        |                                                |
| VB-5A*         | 2/2/2023 9:28  | 2.2          | 5.7          | 21.7        | 70.4          | 46                    | -1.78                                         |                                                |
| VB-5R*         | 2/2/2023 9:21  | 56.1         | 31.0         | 0           | 12.9          | 46                    | -4.61                                         |                                                |
| VB-6R*         | 2/2/2023 9:35  | 26.2         | 8.5          | 11.1        | 54.2          | 46                    | -0.75                                         |                                                |
| VB-7*          | 2/2/2023 9:45  | 38.3         | 26.7         | 4.5         | 30.5          | 49                    | -37.19                                        |                                                |
| VB-8*          | 2/2/2023 10:10 | 0            | 0.0          | 23.1        | 76.9          | 50                    | -36.68                                        |                                                |
| VB-9R          | 2/2/2023 9:49  | 47.1         | 34.9         | 0           | 18.0          | 48                    | -0.67                                         |                                                |
| VC-10          | 2/2/2023 10:57 | 53.7         | 35.6         | 0           | 10.7          | 50                    | -27.26                                        |                                                |
| VC-1R*         | 2/2/2023 9:57  | 0.2          | 1.1          | 22.7        | 76.0          | 49                    | -1.5                                          |                                                |
| VC-2R*         | 2/2/2023 10:15 | 14.6         | 18.9         | 0           | 66.5          | 46                    | -6.78                                         |                                                |
| VC-3*          | 2/2/2023 10:19 | 68.8         | 20.5         | 2           | 8.7           | 45                    | -11.47                                        |                                                |
| VC-4           | 2/2/2023 10:23 | 54.1         | 37.6         | 0           | 8.3           | 46                    | -0.87                                         |                                                |
| VC-5*          | 2/2/2023 10:33 | 46.9         | 23.3         | 4.5         | 25.3          | 51                    | -3.46                                         |                                                |
| VC-6*          | 2/2/2023 10:37 | 0.3          | 0.2          | 22.9        | 76.6          | 49                    | -27.39                                        |                                                |
| VC-7*          | 2/2/2023 10:50 | 46           | 34.1         | 0.8         | 19.1          | 51                    | -6.41                                         |                                                |
| VC-8*          | 2/2/2023 10:53 | 33.8         | 15.2         | 11.5        | 39.5          | 50                    | -0.43                                         |                                                |
| VE-10*         | 2/2/2023 12:57 | 14.7         | 13.0         | 6.8         | 65.5          | 57                    | -0.03                                         |                                                |
| VE-11          | 2/2/2023 13:06 | 58.4         | 36.6         | 0           | 5.0           | 54                    | -12.19                                        |                                                |

\* - Alternative oxygen wellhead limit

\*\* - Alternate temperature wellhead limit

| Permit Well ID | Date/Time       | %CH4 by Vol. | %CO2 by Vol. | %O2 by Vol. | %Bal. by Vol. | Wellhead Temp.<br>° F | Initial Vacuum<br>(inches of water<br>column) | Adjusted Vacuum<br>(inches of water<br>column) |
|----------------|-----------------|--------------|--------------|-------------|---------------|-----------------------|-----------------------------------------------|------------------------------------------------|
| VE-1R*         | 2/2/2023 12:27  | 0            | 0.0          | 22.6        | 77.4          | 61                    | -38.89                                        |                                                |
| VE-3           | 2/2/2023 12:22  | 33.5         | 27.3         | 4.2         | 56.8          | 60                    | -0.14                                         |                                                |
| VE-4R*         | 2/2/2023 12:30  | 41.4         | 28.5         | 0           | 30.1          | 62                    | -5.9                                          |                                                |
| VE-5*          | 2/2/2023 12:37  | 0.6          | 0.5          | 20.2        | 78.7          | 60                    | -38.17                                        |                                                |
| VE-6*-**       | 2/2/2023 12:41  | 1.2          | 1.2          | 20.4        | 77.2          | 58                    | -2.88                                         |                                                |
| VE-7*          | 2/2/2023 12:44  | 0.1          | 0.0          | 21.9        | 78.0          | 57                    | -0.03                                         |                                                |
| VE-8*          | 2/2/2023 12:49  | 18.1         | 20.8         | 2.5         | 58.6          | 56                    | -13.81                                        |                                                |
| VE-9*-**       | 2/2/2023 12:52  | 0.2          | 0.2          | 21.8        | 77.8          | 56                    | -37.74                                        |                                                |
| VF-1*          | 2/2/2023 13:22  | 39.5         | 20.3         | 1           | 39.2          | 57                    | -0.29                                         |                                                |
| VF-10          | 2/16/2023 9:12  | 59.3         | 35.2         | 0.4         | 5.1           | 45                    | -28.55                                        |                                                |
| VF-11**        | 2/16/2023 9:18  | 51.4         | 35.2         | 0           | 13.4          | 45                    | -30.21                                        |                                                |
| VF-2*          | 2/2/2023 13:25  | 29.9         | 18.8         | 3.3         | 48.0          | 58                    | -0.31                                         |                                                |
| VF-3**         | 2/2/2023 13:29  | 61.5         | 37.5         | 0           | 1.0           | 60                    | -3.1                                          |                                                |
| VF-4*          | 2/2/2023 13:33  | 0.4          | 0.4          | 22.1        | 77.1          | 55                    | -30.39                                        |                                                |
| VF-5R*         | 2/2/2023 13:37  | 50.3         | 30.3         | 0.1         | 19.3          | 57                    | -3.42                                         |                                                |
| VF-6           | 2/2/2023 13:41  | 48.7         | 39.2         | 0           | 12.1          | 62                    | -0.08                                         |                                                |
| VF-7*          | 2/16/2023 8:47  | 8.3          | 3.4          | 20.7        | 67.6          | 47                    | -1.85                                         |                                                |
| VF-7A          | 2/16/2023 8:19  | 63.7         | 36.3         | 0           | 0.0           | 41                    | -0.83                                         |                                                |
| VF-8R*         | 2/16/2023 8:52  | 66.2         | 31.7         | 0           | 2.1           | 46                    | -0.51                                         |                                                |
| VF-9           | 2/16/2023 8:57  | 57.8         | 39.1         | 0           | 3.1           | 46                    | -0.58                                         |                                                |
| VG-1           | 2/16/2023 9:38  | 49.3         | 34.7         | 0.1         | 15.9          | 48                    | -26.84                                        |                                                |
| VG-1A          | 2/16/2023 9:34  | 60.7         | 33.7         | 0           | 5.6           | 47                    | -9.09                                         |                                                |
| VG-2R          | 2/16/2023 9:42  | 31.2         | 15.3         | 4.2         | 42.1          | 48                    | -35.33                                        |                                                |
| VG-3**         | 2/16/2023 9:57  | 55           | 36.9         | 0           | 8.1           | 50                    | -5.56                                         |                                                |
| VG-3AR**       | 2/16/2023 9:49  | 44.4         | 29.9         | 4.1         | 20.0          | 48                    | -1.11                                         |                                                |
| VG-4**         | 2/16/2023 10:25 | 54.1         | 39.1         | 0.6         | 6.2           | 53                    | -1.28                                         |                                                |
| VG-4A          | 2/16/2023 10:21 | 46.6         | 29.1         | 0.1         | 24.2          | 51                    | -35.75                                        |                                                |
| VG-5           | 2/16/2023 10:28 | 54.8         | 38.7         | 0           | 6.5           | 51                    | -2.01                                         |                                                |
| VG-6           | 2/16/2023 10:33 | 48.8         | 39.1         | 0           | 12.1          | 53                    | -0.27                                         |                                                |
| VH-1           | 2/16/2023 10:54 | 47.2         | 30.5         | 0           | 22.3          | 56                    | -1.84                                         |                                                |
| VH-10**        | 2/16/2023 12:08 | 53.6         | 36.4         | 0           | 10.0          | 59                    | -1.24                                         |                                                |
| VH-11          | 2/16/2023 12:25 | 34.7         | 24.1         | 0.6         | 40.6          | 63                    | -2.29                                         |                                                |
| VH-12          | 2/16/2023 12:11 | 56.1         | 37.1         | 0.6         | 6.2           | 59                    | -0.29                                         |                                                |
| VH-13          | 2/16/2023 12:29 | 44.7         | 35.2         | 0           | 20.1          | 64                    | -0.2                                          |                                                |
| VH-2           | 2/16/2023 10:48 | 17.8         | 23.1         | 0           | 59.1          | 52                    | -0.53                                         |                                                |
| VH-3*          | 2/16/2023 11:01 | 5.5          | 13.6         | 4.2         | 76.7          | 55                    | -0.41                                         |                                                |
| VH-4**         | 2/16/2023 10:38 | 33.4         | 22.3         | 3.4         | 75.1          | 53                    | -0.68                                         |                                                |
| VH-5**         | 2/16/2023 11:07 | 45           | 34.6         | 0           | 20.4          | 57                    | -1.23                                         |                                                |
| VH-6           | 2/16/2023 11:51 | 35.6         | 25.3         | 3.5         | 43.1          | 58                    | -38.39                                        |                                                |

\* - Alternative oxygen wellhead limit

\*\* - Alternate temperature wellhead limit

| Permit Well ID | Date/Time       | %CH4 by Vol. | %CO2 by Vol. | %O2 by Vol. | %Bal. by Vol. | Wellhead Temp.<br>° F | Initial Vacuum<br>(inches of water<br>column) | Adjusted Vacuum<br>(inches of water<br>column) |
|----------------|-----------------|--------------|--------------|-------------|---------------|-----------------------|-----------------------------------------------|------------------------------------------------|
| VH-7R          | 2/16/2023 11:57 | 43.4         | 26.4         | 3.6         | 24.6          | 57                    | -22.95                                        |                                                |
| VH-8           | 2/16/2023 12:00 | 47.4         | 35.7         | 0           | 16.9          | 57                    | -0.69                                         |                                                |
| VH-9           | 2/16/2023 12:04 | 37.9         | 30.4         | 0           | 31.7          | 59                    | -0.08                                         |                                                |
| VJ-10R*        | 2/16/2023 13:16 | 6.8          | 3.7          | 19.2        | 70.3          | 61                    | -8.81                                         |                                                |
| VJ-11R*        | 2/16/2023 13:13 | 8.1          | 5.7          | 16          | 70.2          | 62                    | -29.87                                        |                                                |
| VJ-1R          | 2/16/2023 12:43 | 39           | 24.2         | 2.6         | 34.2          | 62                    | -8.07                                         |                                                |
| VJ-2R*         | 2/16/2023 12:36 | 16.7         | 9.6          | 16.2        | 57.5          | 64                    | -7.47                                         |                                                |
| VJ-3R*-**      | 2/16/2023 12:38 | 52.3         | 25.7         | 4.1         | 17.9          | 64                    | -21.19                                        |                                                |
| VJ-4A*-**      | 2/16/2023 12:46 | 0.5          | 0.8          | 21.3        | 77.4          | 63                    | -39.07                                        |                                                |
| VJ-4R*-**      | 2/16/2023 12:49 | 53.7         | 31.7         | 0           | 14.6          | 63                    | -4.68                                         |                                                |
| VJ-5R*         | 2/16/2023 12:56 | 59.5         | 38.8         | 0           | 1.7           | 61                    | -33.44                                        |                                                |
| VJ-6R*         | 2/16/2023 12:59 | 64.9         | 34.2         | 0           | 0.9           | 61                    | -0.86                                         |                                                |
| VJ-7R*         | 2/16/2023 13:02 | 45.9         | 28.0         | 5.8         | 20.3          | 60                    | -21.36                                        |                                                |
| VJ-8*          | 2/16/2023 13:06 | 17.4         | 9.8          | 15.4        | 57.4          | 60                    | -4.84                                         |                                                |
| VJ-9R*         | 2/16/2023 13:10 | 48.6         | 28.3         | 4.3         | 18.8          | 60                    | -14.61                                        |                                                |
| VK-1R          | 2/16/2023 13:21 | 59.2         | 34.4         | 0           | 6.4           | 61                    | -27.71                                        |                                                |
| VK-2R          | 2/16/2023 13:24 | 67.1         | 31.3         | 0           | 1.6           | 59                    | -30.7                                         |                                                |
| VK-3R*         | 2/16/2023 13:37 | 11.7         | 6.0          | 17.6        | 64.7          | 62                    | -5.77                                         |                                                |
| VK-4*          | 2/16/2023 13:33 | 1.3          | 1.0          | 21.5        | 76.2          | 63                    | -39.96                                        |                                                |
| VK-5*          | 2/16/2023 13:28 | 63.2         | 36.7         | 0           | 0.1           | 61                    | -0.05                                         |                                                |

## FRONT NINE

| Permit Well ID | Date/Time       | %CH4 by Vol. | %CO2 by Vol. | %O2 by Vol. | %Bal. by Vol. | Wellhead Temp.<br>° F | Initial Vacuum<br>(inches of water<br>column) | Adjusted Vacuum<br>(inches of water<br>column) |
|----------------|-----------------|--------------|--------------|-------------|---------------|-----------------------|-----------------------------------------------|------------------------------------------------|
| A-16*          | 2/14/2023 9:30  | 0.4          | 0.1          | 23.5        | 76.0          | 50                    | -22.38                                        |                                                |
| A-5            | 2/15/2023 9:20  | 41.2         | 17.6         | 3.1         | 32.4          | 58                    | -17.64                                        |                                                |
| B-12           | 2/14/2023 9:50  | 26.2         | 18.5         | 4.5         | 76.1          | 52                    | -6.66                                         |                                                |
| B-2*           | 2/13/2023 9:46  | 0.6          | 0.5          | 22          | 76.9          | 62                    | -0.98                                         |                                                |
| B-28*          | 2/13/2023 8:50  | 0.1          | 1.0          | 20.3        | 78.6          | 45                    | -0.13                                         |                                                |
| B-3R*          | 2/13/2023 9:59  | 8.5          | 11.3         | 15.1        | 65.1          | 57                    | -14.48                                        |                                                |
| B-4R*          | 2/13/2023 10:05 | 59.5         | 33.0         | 0.1         | 7.4           | 72                    | -0.01                                         |                                                |
| FHZ-1*         | 2/15/2023 9:34  | 48.9         | 25.2         | 1.7         | 24.2          | 86                    | -0.05                                         |                                                |
| FHZ-2*         | 2/14/2023 7:34  | 58.9         | 41.1         | 0           | 0.0           | 72                    | -1.3                                          |                                                |
| FHZ-3*         | 2/14/2023 9:55  | 23.7         | 28.8         | 0           | 47.5          | 50                    | -0.02                                         |                                                |
| FHZ-4*         | 2/14/2023 9:37  | 62.3         | 35.1         | 0           | 2.6           | 50                    | -0.03                                         |                                                |
| FHZ-5*         | 2/14/2023 13:11 | 60.9         | 32.7         | 0           | 6.4           | 50                    | -0.01                                         |                                                |
| LE-1*          | 2/13/2023 9:10  | 7.1          | 21.0         | 0           | 71.9          | 49                    | -0.27                                         |                                                |

\* - Alternative oxygen wellhead limit

\*\* - Alternate temperature wellhead limit

| Permit Well ID | Date/Time       | %CH4 by Vol. | %CO2 by Vol. | %O2 by Vol. | %Bal. by Vol. | Wellhead Temp.<br>° F | Initial Vacuum<br>(inches of water<br>column) | Adjusted Vacuum<br>(inches of water<br>column) |
|----------------|-----------------|--------------|--------------|-------------|---------------|-----------------------|-----------------------------------------------|------------------------------------------------|
| LE-2*          | 2/13/2023 9:37  | 0            | 1.1          | 17.5        | 81.4          | 56                    | -0.01                                         |                                                |
| LE-3*          | 2/13/2023 9:41  | 13.6         | 6.2          | 16.2        | 64.0          | 54                    | -0.01                                         |                                                |
| LE-4*          | 2/14/2023 9:07  | 75.9         | 22.6         | 0           | 1.5           | 45                    | -3.73                                         |                                                |
| Y-1*           | 2/13/2023 8:56  | 0            | 0.1          | 22.6        | 77.3          | 55                    | -3.14                                         |                                                |
| Y-2*           | 2/14/2023 13:35 | 23.9         | 20.6         | 9.2         | 46.3          | 51                    | -1.58                                         |                                                |
| Y-3*           | 2/13/2023 9:33  | 0.2          | 3.0          | 17.6        | 79.2          | 55                    | -32.92                                        |                                                |
| Y-4*           | 2/13/2023 9:24  | 49.3         | 24.2         | 0           | 26.5          | 52                    | -6.59                                         |                                                |
| Y-5*           | 2/13/2023 9:16  | 0            | 0.0          | 22.7        | 77.3          | 52                    | -0.35                                         |                                                |
| Y-6*           | 2/13/2023 9:13  | 0            | 0.1          | 22.7        | 77.2          | 46                    | -5.65                                         |                                                |

## MICHAELS

| Permit Well ID | Date/Time     | %CH4 by Vol. | %CO2 by Vol. | %O2 by Vol. | %Bal. by Vol. | Wellhead Temp.<br>° F | Initial Vacuum<br>(inches of water<br>column) | Adjusted Vacuum<br>(inches of water<br>column) |
|----------------|---------------|--------------|--------------|-------------|---------------|-----------------------|-----------------------------------------------|------------------------------------------------|
| B-20*          | 2/6/2023 7:39 | 0.1          | 0.6          | 22.1        | 77.2          | 43                    | -2.02                                         |                                                |
| B-24*          | 2/6/2023 7:44 | 6.7          | 2.5          | 21.1        | 69.7          | 39.0                  | -13.4                                         |                                                |
| MPHZ*          | 2/6/2023 7:35 | 45           | 17.4         | 0           | 37.6          | 52                    | -0.03                                         |                                                |

## BACK NINE

| Permit Well ID | Date/Time       | %CH4 by Vol. | %CO2 by Vol. | %O2 by Vol. | %Bal. by Vol. | Wellhead Temp.<br>° F | Initial Vacuum<br>(inches of water<br>column) | Adjusted Vacuum<br>(inches of water<br>column) |
|----------------|-----------------|--------------|--------------|-------------|---------------|-----------------------|-----------------------------------------------|------------------------------------------------|
| WA-10          | 2/15/2023 12:14 | 54.4         | 32.8         | 2.2         | 10.6          | 60                    | -0.84                                         |                                                |
| WA-11          | 2/15/2023 12:23 | 50           | 35.2         | 3.2         | 11.6          | 65                    | -5.27                                         |                                                |
| WA-12R         | 2/15/2023 12:25 | 56.1         | 40.8         | 0.5         | 2.6           | 61                    | -2.42                                         |                                                |
| WA-13*         | 2/15/2023 12:18 | 62.4         | 37.6         | 0           | 0.0           | 60                    | -18.58                                        |                                                |
| WA-14*         | 2/15/2023 12:35 | 10.2         | 5.9          | 21.5        | 62.4          | 64                    | -0.72                                         |                                                |
| WA-15R*        | 2/15/2023 12:40 | 40.9         | 21.8         | 8.1         | 29.2          | 63                    | -0.44                                         |                                                |
| WA-16*         | 2/15/2023 12:48 | 61.4         | 35.3         | 0           | 3.3           | 65                    | -9.32                                         |                                                |
| WA-17          | 2/15/2023 12:44 | 56.1         | 38.8         | 1           | 4.1           | 60                    | -22.68                                        |                                                |
| WA-18*         | 2/15/2023 12:57 | 64.5         | 29.6         | 0.7         | 5.2           | 65                    | -4.8                                          |                                                |
| WA-19*         | 2/15/2023 13:16 | 0.5          | 0.0          | 22          | 77.5          | 63                    | -36.15                                        |                                                |
| WA-1R*         | 2/15/2023 9:45  | 58           | 40.2         | 0           | 1.8           | 56                    | -5.11                                         |                                                |
| WA-2*          | 2/15/2023 9:54  | 63.3         | 29.3         | 3.3         | 4.1           | 52                    | -1.58                                         |                                                |
| WA-20*         | 2/15/2023 13:21 | 64.5         | 31.6         | 0           | 3.9           | 64                    | -0.04                                         |                                                |
| WA-21R*        | 2/15/2023 13:35 | 14.6         | 10.3         | 13.6        | 61.5          | 62                    | -0.07                                         |                                                |

\* - Alternative oxygen wellhead limit

\*\* - Alternate temperature wellhead limit

| Permit Well ID | Date/Time       | %CH4 by Vol. | %CO2 by Vol. | %O2 by Vol. | %Bal. by Vol. | Wellhead Temp.<br>° F | Initial Vacuum<br>(inches of water<br>column) | Adjusted Vacuum<br>(inches of water<br>column) |
|----------------|-----------------|--------------|--------------|-------------|---------------|-----------------------|-----------------------------------------------|------------------------------------------------|
| WA-22R*        | 2/15/2023 13:48 | 12.2         | 9.0          | 14.1        | 64.7          | 69                    | -0.78                                         |                                                |
| WA-23R*        | 2/15/2023 13:56 | 57.5         | 39.5         | 0.1         | 2.9           | 66                    | -3.99                                         |                                                |
| WA-24*         | 2/15/2023 14:17 | 55.9         | 36.2         | 1.6         | 6.3           | 59                    | -36.4                                         |                                                |
| WA-25*         | 2/15/2023 14:25 | 47.1         | 32.7         | 4.8         | 15.4          | 61                    | -0.21                                         |                                                |
| WA-26*         | 2/15/2023 14:38 | 62.1         | 37.9         | 0           | 0.0           | 60                    | -38.85                                        |                                                |
| WA-27*         | 2/21/2023 7:02  | 60.1         | 36.3         | 0.6         | 3.0           | 46                    | -15.82                                        |                                                |
| WA-28*         | 2/21/2023 7:18  | 58.3         | 41.7         | 0           | 0.0           | 50                    | -2.18                                         |                                                |
| WA-29*         | 2/21/2023 7:24  | 57.7         | 42.3         | 0           | 0.0           | 47                    | -0.21                                         |                                                |
| WA-4           | 2/15/2023 9:59  | 64.6         | 33.9         | 0.1         | 1.4           | 55                    | -18.92                                        |                                                |
| WA-5*          | 2/15/2023 10:23 | 22.6         | 14.1         | 14.4        | 48.9          | 55                    | -1.89                                         |                                                |
| WA-6*          | 2/15/2023 10:13 | 52.7         | 31.9         | 2           | 13.4          | 56                    | -0.23                                         |                                                |
| WA-7           | 2/15/2023 10:27 | 62.8         | 37.2         | 0           | 0.0           | 68                    | -0.16                                         |                                                |
| WA-8*          | 2/15/2023 10:39 | 0.1          | 0.1          | 22.7        | 77.1          | 53                    | -34.46                                        |                                                |
| WA-9*          | 2/15/2023 10:44 | 55.7         | 38.0         | 1.5         | 4.8           | 54                    | -7.15                                         |                                                |
| WB-1*          | 2/21/2023 14:20 | 60.9         | 37.8         | 0           | 1.3           | 58                    | -0.07                                         |                                                |
| WB-10R*        | 2/21/2023 12:55 | 47.3         | 25.8         | 5.8         | 21.1          | 63                    | -0.18                                         |                                                |
| WB-11*         | 2/21/2023 12:52 | 60.7         | 27.9         | 2.1         | 9.3           | 62                    | -4.97                                         |                                                |
| WB-12AR*       | 2/21/2023 12:32 | 56           | 36.6         | 0           | 7.4           | 58                    | -0.12                                         |                                                |
| WB-12R*        | 2/21/2023 12:41 | 50.4         | 35.6         | 0.5         | 13.5          | 60                    | -7.12                                         |                                                |
| WB-13R*        | 2/21/2023 12:27 | 42.1         | 32.9         | 0           | 25.0          | 58                    | -0.63                                         |                                                |
| WB-14R*        | 2/21/2023 12:25 | 47.4         | 32.8         | 0           | 19.8          | 58                    | -0.01                                         |                                                |
| WB-15R*        | 2/21/2023 12:21 | 56.9         | 36.8         | 0           | 6.3           | 58                    | -0.05                                         |                                                |
| WB-16R*        | 2/21/2023 12:18 | 25.5         | 26.3         | 0           | 48.2          | 60                    | -0.09                                         |                                                |
| WB-17R*        | 2/15/2023 14:05 | 24.8         | 25.0         | 1.8         | 48.4          | 58                    | -1.79                                         |                                                |
| WB-2*          | 2/21/2023 14:15 | 6.3          | 1.7          | 20.3        | 71.7          | 62                    | -7.47                                         |                                                |
| WB-3*          | 2/21/2023 14:06 | 0            | 0.5          | 22.1        | 77.4          | 57                    | -0.06                                         |                                                |
| WB-4*          | 2/21/2023 14:02 | 0.2          | 0.2          | 22.4        | 77.2          | 58                    | -12.36                                        |                                                |
| WB-5A*         | 2/21/2023 13:55 | 55.9         | 25.8         | 3.5         | 14.8          | 58                    | -1.12                                         |                                                |
| WB-5R*         | 2/21/2023 13:51 | 1.2          | 0.6          | 21.8        | 76.4          | 61                    | -32.28                                        |                                                |
| WB-6*          | 2/21/2023 13:36 | 59.2         | 40.7         | 0           | 0.1           | 63                    | -0.1                                          |                                                |
| WB-6A*         | 2/21/2023 13:47 | 58.5         | 38.8         | 0           | 2.7           | 59                    | -2.28                                         |                                                |
| WB-7*          | 2/21/2023 13:19 | 66.1         | 33.3         | 0           | 0.6           | 62                    | -0.01                                         |                                                |
| WB-7A*         | 2/21/2023 13:29 | 4.2          | 1.6          | 21          | 73.2          | 60                    | -0.13                                         |                                                |
| WB-8*          | 2/21/2023 13:13 | 31.2         | 21.0         | 9.9         | 37.9          | 60                    | -36.82                                        |                                                |
| WB-9*          | 2/21/2023 13:02 | 64.9         | 34.9         | 0           | 0.2           | 64                    | -2.49                                         |                                                |
| WC-1           | 2/21/2023 14:25 | 66.5         | 32.2         | 0           | 1.3           | 56                    | -2.24                                         |                                                |
| WC-2           | 2/22/2023 7:05  | 73           | 27.0         | 0           | 0.0           | 47                    | -1.22                                         |                                                |
| WC-3           | 2/22/2023 7:25  | 45.9         | 26.8         | 4           | 21.2          | 43                    | -0.38                                         |                                                |
| WC-4R          | 2/22/2023 7:30  | 72.5         | 27.4         | 0           | 0.1           | 44                    | -0.28                                         |                                                |

\* - Alternative oxygen wellhead limit

\*\* - Alternate temperature wellhead limit

| Permit Well ID | Date/Time      | %CH4 by Vol. | %CO2 by Vol. | %O2 by Vol. | %Bal. by Vol. | Wellhead Temp.<br>° F | Initial Vacuum<br>(inches of water<br>column) | Adjusted Vacuum<br>(inches of water<br>column) |
|----------------|----------------|--------------|--------------|-------------|---------------|-----------------------|-----------------------------------------------|------------------------------------------------|
| WD-1           | 2/22/2023 8:10 | 65.2         | 30.7         | 0.8         | 3.3           | 45                    | -33.85                                        |                                                |
| WD-2           | 2/22/2023 8:02 | 74           | 26.0         | 0           | 0.0           | 46                    | -6                                            |                                                |
| WD-3*          | 2/22/2023 7:54 | 65.5         | 32.7         | 0.2         | 1.6           | 49                    | -4.82                                         |                                                |
| WD-4           | 2/22/2023 7:46 | 48.8         | 28.9         | 3.5         | 17.0          | 45                    | -32.04                                        |                                                |
| WE-1           | 2/22/2023 8:31 | 67.8         | 29.7         | 0.4         | 2.1           | 45                    | -34.37                                        |                                                |
| WE-1AR         | 2/22/2023 8:26 | 74.1         | 25.9         | 0           | 0.0           | 47                    | -0.1                                          |                                                |
| WE-2           | 2/22/2023 8:36 | 60.7         | 39.3         | 0           | 0.0           | 46                    | -3.24                                         |                                                |
| WE-3           | 2/22/2023 8:40 | 64.7         | 29.9         | 0.8         | 4.6           | 45                    | -4.78                                         |                                                |
| WE-4           | 2/22/2023 8:50 | 60.4         | 38.4         | 0.1         | 1.1           | 49                    | -16.15                                        |                                                |
| WE-5           | 2/22/2023 8:55 | 62.2         | 37.8         | 0           | 0.0           | 52                    | -4.99                                         |                                                |
| WF-1           | 2/22/2023 9:00 | 61.8         | 38.2         | 0           | 0.0           | 50                    | -2.6                                          |                                                |
| WF-2           | 2/22/2023 7:41 | 31.2         | 25.1         | 4.2         | 60.4          | 44                    | -11.94                                        |                                                |
| WN-10*         | 2/21/2023 7:45 | 53.2         | 38.9         | 1.5         | 6.4           | 49                    | -37.27                                        |                                                |
| WN-11*         | 2/21/2023 7:41 | 50.2         | 35.0         | 3.1         | 11.7          | 50                    | -32.89                                        |                                                |
| WN-12R*        | 2/21/2023 7:35 | 58.9         | 41.0         | 0           | 0.1           | 47                    | -1.3                                          |                                                |
| WN-13*         | 2/21/2023 7:29 | 0.5          | 0.6          | 22.5        | 76.4          | 43                    | -6.48                                         |                                                |
| WN-1R*         | 2/21/2023 8:35 | 43.6         | 28.1         | 6.5         | 21.8          | 52                    | -10.56                                        |                                                |
| WN-2R*         | 2/21/2023 8:31 | 1.3          | 6.8          | 14.1        | 77.8          | 52                    | -0.13                                         |                                                |
| WN-3R*         | 2/21/2023 8:27 | 57.9         | 29.3         | 2.8         | 10.0          | 53                    | -20.82                                        |                                                |
| WN-4*          | 2/21/2023 8:23 | 54.3         | 31.8         | 2.5         | 11.4          | 52                    | -34.52                                        |                                                |
| WN-4A*         | 2/21/2023 8:18 | 64.3         | 35.1         | 0           | 0.6           | 52                    | -34.8                                         |                                                |
| WN-5R*         | 2/21/2023 8:15 | 58.5         | 40.7         | 0           | 0.8           | 53                    | -17.01                                        |                                                |
| WN-6R*         | 2/21/2023 8:10 | 56.6         | 38.8         | 0.2         | 4.4           | 52                    | -2.82                                         |                                                |
| WN-7*          | 2/21/2023 8:02 | 15.2         | 20.3         | 6.2         | 58.3          | 55                    | -0.72                                         |                                                |
| WN-8R*         | 2/21/2023 7:58 | 41.2         | 32.0         | 0.7         | 26.1          | 53                    | -9.8                                          |                                                |
| WN-9R*         | 2/21/2023 7:50 | 59.5         | 40.5         | 0           | 0.0           | 50                    | -13.21                                        |                                                |

## CRITTENDEN

| Permit Well ID | Date/Time     | %CH4 by Vol. | %CO2 by Vol. | %O2 by Vol. | %Bal. by Vol. | Wellhead Temp.<br>° F | Initial Vacuum<br>(inches of water<br>column) | Adjusted Vacuum<br>(inches of water<br>column) |
|----------------|---------------|--------------|--------------|-------------|---------------|-----------------------|-----------------------------------------------|------------------------------------------------|
| CRA-10*        | 2/8/2023 9:02 | 0            | 0.6          | 21.9        | 77.5          | 57                    | -0.39                                         |                                                |
| CRA-11         | 2/8/2023 9:47 | 61           | 38.6         | 0           | 0.4           | 56                    | -0.84                                         |                                                |
| CRA-12         | 2/8/2023 9:39 | 61.7         | 35.4         | 0           | 2.9           | 57                    | -0.91                                         |                                                |
| CRA-13*        | 2/8/2023 9:18 | 60           | 38.6         | 0           | 1.4           | 55                    | -0.78                                         |                                                |
| CRA-1R*        | 2/8/2023 8:11 | 60           | 38.8         | 0           | 1.2           | 49                    | -0.53                                         |                                                |
| CRA-2R*        | 2/8/2023 8:15 | 12.3         | 39.1         | 7.4         | 41.2          | 49                    | -0.33                                         |                                                |
| CRA-3*         | 2/8/2023 8:23 | 47.1         | 36.9         | 0           | 16            | 49                    | -0.83                                         |                                                |

\* - Alternative oxygen wellhead limit

\*\* - Alternate temperature wellhead limit

| Permit Well ID | Date/Time      | %CH4 by Vol. | %CO2 by Vol. | %O2 by Vol. | %Bal. by Vol. | Wellhead Temp.<br>° F | Initial Vacuum<br>(inches of water<br>column) | Adjusted Vacuum<br>(inches of water<br>column) |
|----------------|----------------|--------------|--------------|-------------|---------------|-----------------------|-----------------------------------------------|------------------------------------------------|
| CRA-4*         | 2/8/2023 8:28  | 9.2          | 17.2         | 6.2         | 67.4          | 48                    | -0.41                                         |                                                |
| CRA-5R*        | 2/8/2023 8:35  | 9.9          | 10.5         | 14.4        | 65.2          | 50                    | -0.54                                         |                                                |
| CRA-6*         | 2/8/2023 8:40  | 15.4         | 21.2         | 2.3         | 61.1          | 50                    | -0.81                                         |                                                |
| CRA-7R*        | 2/8/2023 8:44  | 3.5          | 4.2          | 18.5        | 73.8          | 48                    | -0.52                                         |                                                |
| CRA-8*         | 2/8/2023 8:49  | 47.7         | 31.8         | 0           | 20.5          | 47                    | -0.5                                          |                                                |
| CRA-9*         | 2/8/2023 8:53  | 23.4         | 16.6         | 3           | 57            | 58                    | -0.6                                          |                                                |
| CRB-1R*        | 2/8/2023 10:02 | 21.8         | 17.3         | 9.4         | 51.5          | 55                    | -0.84                                         |                                                |
| CRB-2R*        | 2/8/2023 10:13 | 42.7         | 32.7         | 0           | 24.6          | 52                    | -0.88                                         |                                                |
| CRB-3*         | 2/8/2023 10:26 | 43.9         | 29.7         | 0.3         | 26.1          | 55                    | -0.43                                         |                                                |
| CRB-4R*        | 2/8/2023 10:36 | 35.4         | 26.1         | 1.7         | 36.8          | 55                    | -0.84                                         |                                                |
| CRB-5*         | 2/8/2023 10:43 | 0.1          | 0.1          | 22.5        | 77.3          | 55                    | -0.29                                         |                                                |
| CRB-6*         | 2/8/2023 12:18 | 1.6          | 6.9          | 12.4        | 79.1          | 57                    | -0.15                                         |                                                |
| CRB-7R*        | 2/8/2023 12:28 | 62.2         | 34.9         | 0           | 2.9           | 62                    | -0.62                                         |                                                |
| CRB-8*         | 2/8/2023 12:42 | 12.2         | 7.8          | 12.5        | 67.5          | 63                    | -0.59                                         |                                                |
| CRC-1          | 2/8/2023 12:37 | 53.3         | 26           | 2.9         | 17.8          | 63                    | -0.53                                         |                                                |
| CRC-2          | 2/8/2023 12:22 | 59.5         | 29.1         | 0           | 11.4          | 64                    | -0.27                                         |                                                |
| CRC-3          | 2/8/2023 10:31 | 59.6         | 36.4         | 0           | 4             | 59                    | -0.79                                         |                                                |
| CRC-4          | 2/8/2023 10:07 | 51.1         | 28.3         | 2           | 18.6          | 55                    | -0.9                                          |                                                |
| CRD-1*         | 2/8/2023 12:48 | 62.8         | 34.8         | 0           | 2.4           | 63                    | -0.61                                         |                                                |
| CRD-10*        | 2/13/2023 7:58 | 60.5         | 27.8         | 0           | 11.7          | 57                    | -0.01                                         |                                                |
| CRD-11*        | 2/13/2023 8:03 | 5.4          | 2.9          | 18.5        | 73.2          | 43                    | -0.39                                         |                                                |
| CRD-2          | 2/8/2023 12:58 | 64.9         | 33.9         | 0           | 1.2           | 58                    | -0.1                                          |                                                |
| CRD-3*         | 2/8/2023 13:04 | 60.3         | 39.5         | 0           | 0.2           | 60                    | -0.52                                         |                                                |
| CRD-4          | 2/8/2023 13:09 | 63.1         | 36           | 0           | 0.9           | 64                    | -0.48                                         |                                                |
| CRD-5*         | 2/8/2023 13:20 | 67.8         | 32.1         | 0           | 0.1           | 67                    | -0.36                                         |                                                |
| CRD-6          | 2/8/2023 13:44 | 52           | 34.4         | 0           | 13.6          | 75                    | -0.08                                         |                                                |
| CRD-7          | 2/13/2023 7:40 | 52.1         | 30.3         | 1.3         | 16.3          | 42                    | -0.56                                         |                                                |
| CRD-8R*        | 2/13/2023 7:45 | 59.4         | 35.2         | 0           | 5.4           | 43                    | -0.05                                         |                                                |
| CRD-9*         | 2/13/2023 7:52 | 58.5         | 31.9         | 1.1         | 8.5           | 45                    | -0.17                                         |                                                |

## 6ANE

| Permit Well ID | Date/Time      | %CH4 by Vol. | %CO2 by Vol. | %O2 by Vol. | %Bal. by Vol. | Wellhead Temp.<br>° F | Initial Vacuum<br>(inches of water<br>column) | Adjusted Vacuum<br>(inches of water<br>column) |
|----------------|----------------|--------------|--------------|-------------|---------------|-----------------------|-----------------------------------------------|------------------------------------------------|
| NEA-1*         | 2/6/2023 13:38 | 51.8         | 32.2         | 3           | 13.0          | 61                    | -9.84                                         |                                                |
| NEA-10         | 2/7/2023 8:58  | 58.9         | 41.1         | 0           | 0.0           | 45                    | -11.51                                        |                                                |
| NEA-11*        | 2/7/2023 9:03  | 59           | 40.7         | 0           | 0.3           | 47                    | -12.14                                        |                                                |
| NEA-12         | 2/7/2023 9:08  | 58.3         | 41.7         | 0           | 0.0           | 50                    | -0.2                                          |                                                |

\* - Alternative oxygen wellhead limit

\*\* - Alternate temperature wellhead limit

| Permit Well ID | Date/Time      | %CH4 by Vol. | %CO2 by Vol. | %O2 by Vol. | %Bal. by Vol. | Wellhead Temp.<br>° F | Initial Vacuum<br>(inches of water<br>column) | Adjusted Vacuum<br>(inches of water<br>column) |
|----------------|----------------|--------------|--------------|-------------|---------------|-----------------------|-----------------------------------------------|------------------------------------------------|
| NEA-13*        | 2/7/2023 9:12  | 59.2         | 40.1         | 0           | 0.7           | 51                    | -0.52                                         |                                                |
| NEA-14         | 2/7/2023 9:37  | 47.4         | 35.4         | 2.4         | 14.8          | 50                    | -39.13                                        |                                                |
| NEA-15*        | 2/7/2023 9:42  | 57.8         | 42.0         | 0           | 0.2           | 50                    | -39.27                                        |                                                |
| NEA-16A*       | 2/7/2023 9:48  | 57.8         | 41.6         | 0           | 0.6           | 50                    | -38.97                                        |                                                |
| NEA-2R*        | 2/6/2023 13:44 | 0.5          | 0.3          | 21.5        | 77.7          | 66                    | -9.42                                         |                                                |
| NEA-3*         | 2/6/2023 13:57 | 66.5         | 31.8         | 0           | 1.7           | 65                    | -4.37                                         |                                                |
| NEA-4*         | 2/6/2023 14:04 | 47.1         | 29.4         | 5           | 18.5          | 62                    | -2.48                                         |                                                |
| NEA-5R*        | 2/6/2023 14:14 | 62.8         | 37.2         | 0           | 0.0           | 66                    | -0.19                                         |                                                |
| NEA-6*         | 2/6/2023 14:24 | 31.3         | 18.4         | 7.2         | 43.1          | 64                    | -10.52                                        |                                                |
| NEA-7*         | 2/6/2023 14:33 | 59.8         | 40.1         | 0           | 0.1           | 74                    | -1.49                                         |                                                |
| NEA-8*-**      | 2/6/2023 14:40 | 53.2         | 39.0         | 0           | 7.8           | 68                    | -4.56                                         |                                                |
| NEA-9*         | 2/7/2023 8:52  | 57.9         | 42.1         | 0           | 0.0           | 50                    | -1.76                                         |                                                |
| NEB-1*         | 2/7/2023 10:20 | 0            | 0.0          | 23.3        | 76.7          | 50                    | -13.53                                        |                                                |
| NEB-10*        | 2/7/2023 12:49 | 54.4         | 40.1         | 0           | 5.5           | 67                    | -1.92                                         |                                                |
| NEB-11*        | 2/7/2023 12:55 | 57.7         | 41.4         | 0           | 0.9           | 59                    | -4.83                                         |                                                |
| NEB-12*        | 2/7/2023 13:01 | 56.7         | 41.5         | 0           | 1.8           | 69                    | -1.85                                         |                                                |
| NEB-13*        | 2/7/2023 13:12 | 53.3         | 41.7         | 0           | 5.0           | 67                    | -0.4                                          |                                                |
| NEB-14R*       | 2/7/2023 13:23 | 0.1          | 2.7          | 16.9        | 80.3          | 61                    | -0.1                                          |                                                |
| NEB-2*         | 2/7/2023 10:27 | 26.9         | 3.0          | 14.5        | 55.6          | 56                    | -23.37                                        |                                                |
| NEB-3*         | 2/7/2023 10:35 | 54.7         | 35.0         | 0           | 10.3          | 60                    | -1.42                                         |                                                |
| NEB-4*         | 2/7/2023 10:42 | 45.3         | 26.7         | 5.4         | 22.6          | 61                    | -12.78                                        |                                                |
| NEB-5*         | 2/7/2023 12:19 | 39.5         | 28.2         | 0           | 32.3          | 63                    | -0.49                                         |                                                |
| NEB-6*         | 2/7/2023 12:23 | 55.9         | 39.2         | 0           | 4.9           | 63                    | -2.08                                         |                                                |
| NEB-7*         | 2/7/2023 12:30 | 50.2         | 37.5         | 0           | 12.3          | 66                    | -0.32                                         |                                                |
| NEB-8*         | 2/7/2023 12:37 | 55.5         | 39.5         | 0           | 5.0           | 62                    | -0.18                                         |                                                |
| NEB-9          | 2/7/2023 12:44 | 47.9         | 37.4         | 0           | 14.7          | 61                    | -0.56                                         |                                                |
| NEC-1*         | 2/7/2023 13:36 | 46.7         | 39.0         | 0           | 14.3          | 63                    | -9.21                                         |                                                |
| NEC-2*         | 2/7/2023 13:44 | 55.5         | 40.6         | 0           | 3.9           | 64                    | -0.28                                         |                                                |
| NEC-3*         | 2/7/2023 13:49 | 38.9         | 36.5         | 0           | 24.6          | 66                    | -0.04                                         |                                                |
| NED-1R*        | 2/7/2023 14:06 | 54.9         | 40.8         | 0           | 4.3           | 58                    | -0.02                                         |                                                |
| NED-2          | 2/7/2023 14:13 | 58.3         | 41.7         | 0           | 0.0           | 58                    | -0.28                                         |                                                |
| NED-3          | 2/7/2023 14:22 | 45.5         | 32.7         | 2.8         | 59.1          | 60                    | -24.58                                        |                                                |
| NEE-1          | 2/7/2023 14:28 | 58.4         | 41.6         | 0           | 0.0           | 60                    | -14.63                                        |                                                |
| NEE-2R*        | 2/7/2023 14:33 | 35.8         | 22.8         | 7.8         | 33.6          | 67                    | -26.14                                        |                                                |
| NEE-3*         | 2/7/2023 14:42 | 0.4          | 0.4          | 21.8        | 77.4          | 69                    | -24.76                                        |                                                |
| NEE-4*         | 2/7/2023 14:47 | 67.8         | 29.3         | 0           | 2.9           | 68                    | -26.76                                        |                                                |
| NEE-5*         | 2/7/2023 14:51 | 47           | 25.1         | 3.6         | 24.3          | 63                    | -20.08                                        |                                                |
| NEE-6*         | 2/7/2023 14:53 | 51.5         | 38.0         | 0           | 10.5          | 63                    | -7.79                                         |                                                |

\* - Alternative oxygen wellhead limit

\*\* - Alternate temperature wellhead limit



CITY OF MOUNTAIN VIEW  
MONTHLY LANDFILL GAS WELL HEAD MONITORING

March 2023

| VISTA          |                |              |              |             |               |                       |                                               |                                                |
|----------------|----------------|--------------|--------------|-------------|---------------|-----------------------|-----------------------------------------------|------------------------------------------------|
| Permit Well ID | Date/Time      | %CH4 by Vol. | %CO2 by Vol. | %O2 by Vol. | %Bal. by Vol. | Wellhead Temp.<br>° F | Initial Vacuum<br>(inches of water<br>column) | Adjusted Vacuum<br>(inches of water<br>column) |
| VA-1A*         | 3/2/2023 8:52  | 60.8         | 38.4         | 0.8         | 0.0           | 52                    | -0.71                                         |                                                |
| VA-1R*         | 3/2/2023 8:42  | 61           | 39.0         | 0           | 0.0           | 52                    | -0.8                                          |                                                |
| VA-2*          | 3/2/2023 8:57  | 65           | 31.6         | 0.1         | 3.3           | 55                    | -2.03                                         |                                                |
| VA-3A*         | 3/2/2023 9:05  | 68.1         | 31.9         | 0           | 0.0           | 55                    | -1.52                                         |                                                |
| VA-3R*         | 3/2/2023 9:01  | 47.7         | 24.2         | 6.1         | 22.0          | 54                    | -15.23                                        |                                                |
| VA-4*          | 3/2/2023 9:13  | 42           | 18.4         | 8.6         | 31.0          | 58                    | -22.01                                        |                                                |
| VA-5R          | 3/2/2023 9:30  | 34.5         | 20.1         | 4.2         | 77.3          | 53                    | -2.87                                         |                                                |
| VA-6           | 3/2/2023 9:34  | 66.7         | 18.9         | 2.8         | 11.6          | 53                    | -38.06                                        |                                                |
| VA-HZ*         | 3/2/2023 9:26  | 0.7          | 1.7          | 19.2        | 78.4          | 54                    | -0.6                                          |                                                |
| VB-1*          | 3/2/2023 9:44  | 52.6         | 29.4         | 3.6         | 14.4          | 58                    | -15.74                                        |                                                |
| VB-2R*         | 3/2/2023 9:48  | 65           | 24.7         | 0           | 10.3          | 61                    | -0.56                                         |                                                |
| VB-3           | 3/2/2023 9:53  | 57.9         | 36.0         | 0.1         | 6.0           | 55                    | -37.23                                        |                                                |
| VB-3A*         | 3/2/2023 9:57  | 29.6         | 15.6         | 11.9        | 42.9          | 60                    | -16.31                                        |                                                |
| VB-4*          | 3/2/2023 10:00 | 55.5         | 37.0         | 0           | 7.5           | 59                    | -22.33                                        |                                                |
| VB-5A*         | 3/2/2023 10:15 | 56.3         | 30.0         | 10          | 3.7           | 63                    | -0.92                                         |                                                |
| VB-5R*         | 3/2/2023 10:10 | 60.2         | 33.5         | 0           | 6.3           | 64                    | -4.84                                         |                                                |
| VB-6R*         | 3/2/2023 10:20 | 58.9         | 39.5         | 0           | 1.6           | 62                    | -18.97                                        |                                                |
| VB-7*          | 3/2/2023 10:25 | 10           | 5.9          | 18.3        | 65.8          | 61                    | -2.66                                         |                                                |
| VB-8*          | 3/2/2023 10:39 | 58.7         | 40.3         | 0           | 1.0           | 61                    | -1.32                                         |                                                |
| VB-9R          | 3/2/2023 10:29 | 54.6         | 36.1         | 0           | 9.3           | 64                    | -1.09                                         |                                                |
| VC-10          | 3/2/2023 11:50 | 53.5         | 36.7         | 0           | 9.8           | 59                    | -27.06                                        |                                                |
| VC-1R*         | 3/2/2023 10:34 | 1.1          | 0.6          | 21.7        | 76.6          | 64                    | -1.01                                         |                                                |
| VC-2R*         | 3/2/2023 10:52 | 32.5         | 21.5         | 0           | 46.0          | 67                    | -8.5                                          |                                                |
| VC-3*          | 3/2/2023 10:57 | 73.8         | 23.5         | 0           | 2.7           | 61                    | -4.02                                         |                                                |
| VC-4           | 3/2/2023 11:00 | 57.7         | 40.6         | 0           | 1.7           | 60                    | -1.35                                         |                                                |
| VC-5*          | 3/2/2023 11:37 | 51.7         | 22.2         | 4.2         | 21.9          | 61                    | -3.05                                         |                                                |
| VC-6*          | 3/2/2023 11:40 | 43.6         | 17.4         | 8.1         | 30.9          | 66                    | -22.75                                        |                                                |
| VC-7*          | 3/2/2023 11:44 | 50.2         | 34.2         | 1.4         | 14.2          | 62                    | -9.13                                         |                                                |
| VC-8*          | 3/2/2023 11:46 | 51           | 20.1         | 6.1         | 22.8          | 60                    | -0.46                                         |                                                |
| VE-10*         | 3/2/2023 12:55 | 50.1         | 18.8         | 0.2         | 30.9          | 66                    | -0.18                                         |                                                |
| VE-11          | 3/2/2023 13:03 | 58.4         | 38.0         | 0           | 3.6           | 63                    | -11.6                                         |                                                |

\* - Alternative oxygen wellhead limit

\*\* - Alternate temperature wellhead limit

| Permit Well ID | Date/Time       | %CH4 by Vol. | %CO2 by Vol. | %O2 by Vol. | %Bal. by Vol. | Wellhead Temp.<br>° F | Initial Vacuum<br>(inches of water<br>column) | Adjusted Vacuum<br>(inches of water<br>column) |
|----------------|-----------------|--------------|--------------|-------------|---------------|-----------------------|-----------------------------------------------|------------------------------------------------|
| VE-1R*         | 3/2/2023 12:06  | 0.8          | 0.6          | 21.4        | 77.2          | 56                    | -34.85                                        |                                                |
| VE-3           | 3/2/2023 12:01  | 56.6         | 37.5         | 0           | 5.9           | 64                    | -2.49                                         |                                                |
| VE-4R*         | 3/2/2023 12:12  | 43.8         | 27.3         | 2.4         | 26.5          | 72                    | -4.9                                          |                                                |
| VE-5*          | 3/2/2023 12:17  | 52.3         | 36.5         | 0           | 11.2          | 64                    | -7.04                                         |                                                |
| VE-6*-**       | 3/2/2023 12:22  | 63.1         | 36.8         | 0           | 0.1           | 77                    | -0.03                                         |                                                |
| VE-7*          | 3/2/2023 12:26  | 1            | 0.6          | 21.2        | 77.2          | 64                    | -0.1                                          |                                                |
| VE-8*          | 3/2/2023 12:42  | 26.4         | 15.0         | 12.2        | 46.4          | 58                    | -37.25                                        |                                                |
| VE-9*-**       | 3/2/2023 12:46  | 58.3         | 31.0         | 1           | 9.7           | 61                    | -6.13                                         |                                                |
| VF-1*          | 3/2/2023 13:29  | 54.4         | 23.1         | 0           | 22.5          | 62                    | -0.97                                         |                                                |
| VF-10          | 3/16/2023 8:52  | 59.4         | 35.8         | 0.9         | 3.9           | 52                    | -26                                           |                                                |
| VF-11**        | 3/16/2023 9:01  | 55           | 37.9         | 0           | 7.1           | 48                    | -30.02                                        |                                                |
| VF-2*          | 3/2/2023 13:36  | 37           | 22.5         | 2.3         | 38.2          | 60                    | -1.2                                          |                                                |
| VF-3**         | 3/2/2023 13:40  | 58.1         | 38.2         | 0           | 3.7           | 62                    | -3.43                                         |                                                |
| VF-4*          | 3/16/2023 13:33 | 0.4          | 0.4          | 22.1        | 77.1          | 55                    | -30.39                                        |                                                |
| VF-5R*         | 3/2/2023 13:46  | 57.2         | 31.3         | 0.3         | 11.2          | 65                    | -4.88                                         |                                                |
| VF-6           | 3/2/2023 13:50  | 53.4         | 42.5         | 0           | 4.1           | 66                    | -0.07                                         |                                                |
| VF-7*          | 3/2/2023 13:59  | 0.4          | 0.4          | 22.2        | 77.0          | 67                    | -24.04                                        |                                                |
| VF-7A          | 3/2/2023 13:56  | 60.9         | 39.1         | 0           | 0.0           | 66                    | -0.54                                         |                                                |
| VF-8R*         | 3/2/2023 14:04  | 62.8         | 34.1         | 0.3         | 2.8           | 63                    | -0.15                                         |                                                |
| VF-9           | 3/2/2023 14:07  | 55.8         | 43.0         | 0           | 1.2           | 61                    | -0.03                                         |                                                |
| VG-1           | 3/16/2023 9:21  | 49.3         | 32.2         | 1.4         | 17.1          | 54                    | -24.71                                        |                                                |
| VG-1A          | 3/16/2023 9:13  | 63.1         | 35.4         | 0.2         | 1.3           | 54                    | -16.16                                        |                                                |
| VG-2R          | 3/16/2023 9:27  | 62.8         | 32.3         | 0.9         | 4.0           | 54                    | -33.69                                        |                                                |
| VG-3**         | 3/16/2023 9:32  | 45.5         | 30.5         | 4.9         | 19.1          | 55                    | -1.31                                         |                                                |
| VG-3AR**       | 3/16/2023 9:36  | 57.5         | 39.5         | 0           | 3.0           | 51                    | -5.92                                         |                                                |
| VG-4**         | 3/16/2023 9:46  | 54           | 40.1         | 0.8         | 5.1           | 50                    | -1.56                                         |                                                |
| VG-4A          | 3/16/2023 9:41  | 61.2         | 32.9         | 0.6         | 5.3           | 50                    | -12.18                                        |                                                |
| VG-5           | 3/16/2023 9:49  | 54           | 40.8         | 0.9         | 4.3           | 52                    | -1.12                                         |                                                |
| VG-6           | 3/16/2023 9:57  | 51.2         | 39.9         | 0           | 8.9           | 54                    | -0.5                                          |                                                |
| VH-1           | 3/16/2023 10:17 | 51.4         | 30.9         | 0           | 17.7          | 53                    | -2.3                                          |                                                |
| VH-10**        | 3/16/2023 11:50 | 53           | 33.7         | 0.6         | 12.7          | 62                    | -1.29                                         |                                                |
| VH-11          | 3/16/2023 11:57 | 46.6         | 27.9         | 0.3         | 25.2          | 48                    | -3.19                                         |                                                |
| VH-12          | 3/16/2023 11:54 | 53.2         | 36.9         | 2           | 7.9           | 48                    | -0.77                                         |                                                |
| VH-13          | 3/16/2023 12:01 | 43.5         | 36.3         | 0           | 20.2          | 59                    | -0.17                                         |                                                |
| VH-2           | 3/16/2023 10:13 | 25.7         | 24.7         | 0.1         | 49.5          | 50                    | -0.21                                         |                                                |
| VH-3*          | 3/16/2023 10:23 | 7.4          | 18.9         | 0           | 73.7          | 54                    | -0.85                                         |                                                |
| VH-4**         | 3/16/2023 10:05 | 25.1         | 22.5         | 4.1         | 63.9          | 53                    | -0.44                                         |                                                |
| VH-5**         | 3/16/2023 10:27 | 50.7         | 36.5         | 0           | 12.8          | 60                    | -1.72                                         |                                                |
| VH-6           | 3/16/2023 10:34 | 35.6         | 27.5         | 3.1         | 77.5          | 56                    | -38.76                                        |                                                |

\* - Alternative oxygen wellhead limit

\*\* - Alternate temperature wellhead limit

| Permit Well ID | Date/Time       | %CH4 by Vol. | %CO2 by Vol. | %O2 by Vol. | %Bal. by Vol. | Wellhead Temp.<br>° F | Initial Vacuum<br>(inches of water<br>column) | Adjusted Vacuum<br>(inches of water<br>column) |
|----------------|-----------------|--------------|--------------|-------------|---------------|-----------------------|-----------------------------------------------|------------------------------------------------|
| VH-7R          | 3/16/2023 10:39 | 49.6         | 30.6         | 3.7         | 16.1          | 57                    | -17.1                                         |                                                |
| VH-8           | 3/16/2023 10:43 | 48.9         | 36.8         | 0           | 14.3          | 55                    | -1.38                                         |                                                |
| VH-9           | 3/16/2023 10:47 | 39.2         | 32.4         | 0           | 28.4          | 61                    | -0.28                                         |                                                |
| VJ-10R*        | 3/16/2023 12:59 | 0.8          | 0.3          | 21.4        | 77.5          | 63                    | -5.23                                         |                                                |
| VJ-11R*        | 3/16/2023 12:55 | 30.7         | 17.9         | 10.8        | 40.6          | 65                    | -26.65                                        |                                                |
| VJ-1R          | 3/16/2023 12:22 | 37.8         | 24.8         | 2.7         | 34.7          | 67                    | -8.38                                         |                                                |
| VJ-2R*         | 3/16/2023 12:11 | 14.9         | 7.4          | 16.9        | 60.8          | 67                    | -8.23                                         |                                                |
| VJ-3R*-**      | 3/16/2023 12:15 | 53           | 26.3         | 4           | 16.7          | 67                    | -17.83                                        |                                                |
| VJ-4A*-**      | 3/16/2023 12:25 | 0.3          | 0.5          | 20.5        | 78.7          | 68                    | -34.69                                        |                                                |
| VJ-4R*-**      | 3/16/2023 12:28 | 53.6         | 32.8         | 1.9         | 11.7          | 67                    | -18.24                                        |                                                |
| VJ-5R*         | 3/16/2023 12:36 | 58.7         | 40.0         | 0           | 1.3           | 62                    | -30.34                                        |                                                |
| VJ-6R*         | 3/16/2023 12:41 | 65.3         | 33.1         | 0           | 1.6           | 62                    | -15.79                                        |                                                |
| VJ-7R*         | 3/16/2023 12:44 | 50.5         | 28.9         | 4.4         | 16.2          | 59                    | -27.04                                        |                                                |
| VJ-8*          | 3/16/2023 12:47 | 0.5          | 0.6          | 21          | 77.9          | 60                    | -4.88                                         |                                                |
| VJ-9R*         | 3/16/2023 12:51 | 34.1         | 21.3         | 9.4         | 35.2          | 65                    | -10.72                                        |                                                |
| VK-1R          | 3/16/2023 13:04 | 62.7         | 36.4         | 0.1         | 0.8           | 63                    | -24.56                                        |                                                |
| VK-2R          | 3/16/2023 13:11 | 65.8         | 32.9         | 0           | 1.3           | 61                    | -13.51                                        |                                                |
| VK-3R*         | 3/16/2023 13:22 | 12           | 5.8          | 17.5        | 64.7          | 66                    | -5.53                                         |                                                |
| VK-4*          | 3/16/2023 13:19 | 10.3         | 5.2          | 18          | 66.5          | 67                    | -36.23                                        |                                                |
| VK-5*          | 3/16/2023 13:15 | 61.7         | 37.0         | 0           | 1.3           | 63                    | -0.19                                         |                                                |

## FRONT NINE

| Permit Well ID | Date/Time      | %CH4 by Vol. | %CO2 by Vol. | %O2 by Vol. | %Bal. by Vol. | Wellhead Temp.<br>° F | Initial Vacuum<br>(inches of water<br>column) | Adjusted Vacuum<br>(inches of water<br>column) |
|----------------|----------------|--------------|--------------|-------------|---------------|-----------------------|-----------------------------------------------|------------------------------------------------|
| A-16*          | 3/8/2023 10:32 | 0.3          | 0.3          | 21.7        | 77.7          | 51                    | -36.31                                        |                                                |
| A-5            | 3/8/2023 7:42  | 41.2         | 33.1         | 1.2         | 76.9          | 46                    | -22.3                                         |                                                |
| B-12           | 3/8/2023 10:14 | 20.2         | 13.5         | 4.1         | 77.4          | 60                    | -5.69                                         |                                                |
| B-2*           | 3/8/2023 9:10  | 3.7          | 0.4          | 21.9        | 74.0          | 47                    | -0.06                                         |                                                |
| B-28*          | 3/8/2023 7:57  | 0.4          | 1.6          | 15.9        | 82.1          | 46                    | -0.03                                         |                                                |
| B-3R*          | 3/8/2023 9:19  | 42.5         | 21.4         | 5.7         | 30.4          | 48                    | -19.4                                         |                                                |
| B-4R*          | 3/8/2023 9:30  | 29.6         | 18.9         | 4.2         | 41.1          | 54                    | -0.01                                         |                                                |
| FHZ-1*         | 3/8/2023 9:59  | 59.6         | 36.8         | 0           | 3.6           | 55                    | -0.03                                         |                                                |
| FHZ-2*         | 3/8/2023 10:04 | 56.8         | 36.5         | 0           | 6.7           | 56                    | -0.18                                         |                                                |
| FHZ-3*         | 3/8/2023 10:09 | 16.9         | 25.1         | 0           | 58.0          | 56                    | -0.01                                         |                                                |
| FHZ-4*         | 3/8/2023 10:25 | 58.3         | 35.5         | 0.3         | 5.9           | 55                    | -0.06                                         |                                                |
| FHZ-5*         | 3/8/2023 10:38 | 62.4         | 35.5         | 0           | 2.1           | 54                    | -0.13                                         |                                                |
| LE-1*          | 3/8/2023 8:13  | 7.5          | 21.1         | 0           | 71.4          | 48                    | -0.16                                         |                                                |

\* - Alternative oxygen wellhead limit

\*\* - Alternate temperature wellhead limit

| Permit Well ID | Date/Time     | %CH4 by Vol. | %CO2 by Vol. | %O2 by Vol. | %Bal. by Vol. | Wellhead Temp.<br>° F | Initial Vacuum<br>(inches of water<br>column) | Adjusted Vacuum<br>(inches of water<br>column) |
|----------------|---------------|--------------|--------------|-------------|---------------|-----------------------|-----------------------------------------------|------------------------------------------------|
| LE-2*          | 3/8/2023 8:55 | 0            | 1.3          | 17.4        | 81.3          | 47                    | -0.05                                         |                                                |
| LE-3*          | 3/8/2023 9:00 | 2            | 0.4          | 22.3        | 75.3          | 48                    | -0.06                                         |                                                |
| LE-4*          | 3/8/2023 9:38 | 67.3         | 30.8         | 0           | 1.9           | 54                    | -0.04                                         |                                                |
| Y-1*           | 3/8/2023 8:01 | 0            | 0.0          | 23          | 77.0          | 48                    | -30.35                                        |                                                |
| Y-2*           | 3/8/2023 8:31 | 1.6          | 3.2          | 21.3        | 73.9          | 47                    | -1.13                                         |                                                |
| Y-3*           | 3/8/2023 8:37 | 0.1          | 3.4          | 17.2        | 79.3          | 46                    | -4.18                                         |                                                |
| Y-4*           | 3/8/2023 8:42 | 0.1          | 2.6          | 18.4        | 78.9          | 47                    | -30.45                                        |                                                |
| Y-5*           | 3/8/2023 8:20 | 0.3          | 0.2          | 22.5        | 77.0          | 47                    | -0.4                                          |                                                |
| Y-6*           | 3/8/2023 8:16 | 68.1         | 28.8         | 0.2         | 2.9           | 48                    | -3.74                                         |                                                |

## MICHAELS

| Permit Well ID | Date/Time     | %CH4 by Vol. | %CO2 by Vol. | %O2 by Vol. | %Bal. by Vol. | Wellhead Temp.<br>° F | Initial Vacuum<br>(inches of water<br>column) | Adjusted Vacuum<br>(inches of water<br>column) |
|----------------|---------------|--------------|--------------|-------------|---------------|-----------------------|-----------------------------------------------|------------------------------------------------|
| B-20*          | 3/1/2023 8:17 | 0.1          | 0.1          | 22          | 77.8          | 42                    | -8.39                                         |                                                |
| B-24*          | 3/1/2023 8:28 | 38.8         | 20.2         | 8.9         | 32.1          | 41.0                  | -32.42                                        |                                                |
| MPHZ*          | 3/1/2023 8:13 | 12.6         | 9.4          | 11.5        | 66.5          | 43                    | -2.09                                         |                                                |

## BACK NINE

| Permit Well ID | Date/Time       | %CH4 by Vol. | %CO2 by Vol. | %O2 by Vol. | %Bal. by Vol. | Wellhead Temp.<br>° F | Initial Vacuum<br>(inches of water<br>column) | Adjusted Vacuum<br>(inches of water<br>column) |
|----------------|-----------------|--------------|--------------|-------------|---------------|-----------------------|-----------------------------------------------|------------------------------------------------|
| WA-10          | 3/13/2023 10:00 | 55.2         | 33.3         | 1.4         | 10.1          | 58                    | -1.73                                         |                                                |
| WA-11          | 3/13/2023 10:08 | 58.7         | 41.1         | 0           | 0.2           | 59                    | -3.04                                         |                                                |
| WA-12R         | 3/13/2023 10:12 | 56.6         | 42.1         | 0           | 1.3           | 65                    | -0.96                                         |                                                |
| WA-13*         | 3/13/2023 10:17 | 61.8         | 38.2         | 0           | 0.0           | 64                    | -17.94                                        |                                                |
| WA-14*         | 3/13/2023 10:37 | 11.2         | 6.0          | 13.6        | 69.2          | 63                    | -0.52                                         |                                                |
| WA-15R*        | 3/13/2023 10:43 | 31           | 15.9         | 11.6        | 41.5          | 63                    | -0.15                                         |                                                |
| WA-16*         | 3/13/2023 12:37 | 64.2         | 33.2         | 0           | 2.6           | 72                    | -3.64                                         |                                                |
| WA-17          | 3/13/2023 12:42 | 57.7         | 39.8         | 0           | 2.5           | 76                    | -17.24                                        |                                                |
| WA-18*         | 3/13/2023 12:51 | 69.7         | 26.5         | 0           | 3.8           | 70                    | -1.14                                         |                                                |
| WA-19*         | 3/13/2023 13:03 | 1.4          | 0.5          | 20.8        | 77.3          | 71                    | -1.56                                         |                                                |
| WA-1R*         | 3/13/2023 8:53  | 59.1         | 40.9         | 0           | 0.0           | 57                    | -4.67                                         |                                                |
| WA-2*          | 3/13/2023 9:07  | 65.5         | 32.9         | 0           | 1.6           | 55                    | -35.12                                        |                                                |
| WA-20*         | 3/13/2023 13:06 | 60.3         | 36.8         | 0           | 2.9           | 74                    | -11.46                                        |                                                |
| WA-21R*        | 3/13/2023 13:13 | 10.2         | 10.6         | 10.2        | 69.0          | 73                    | -0.77                                         |                                                |

\* - Alternative oxygen wellhead limit

\*\* - Alternate temperature wellhead limit

| Permit Well ID | Date/Time       | %CH4 by Vol. | %CO2 by Vol. | %O2 by Vol. | %Bal. by Vol. | Wellhead Temp.<br>° F | Initial Vacuum<br>(inches of water<br>column) | Adjusted Vacuum<br>(inches of water<br>column) |
|----------------|-----------------|--------------|--------------|-------------|---------------|-----------------------|-----------------------------------------------|------------------------------------------------|
| WA-22R*        | 3/13/2023 13:18 | 20           | 14.5         | 9.4         | 56.1          | 73                    | -0.27                                         |                                                |
| WA-23R*        | 3/13/2023 13:22 | 57.3         | 38.3         | 0           | 4.4           | 73                    | -3.29                                         |                                                |
| WA-24*         | 3/13/2023 13:42 | 51.2         | 34.0         | 2.8         | 12.0          | 74                    | -15.7                                         |                                                |
| WA-25*         | 3/13/2023 13:52 | 8.7          | 4.8          | 16.9        | 69.6          | 69                    | -0.47                                         |                                                |
| WA-26*         | 3/13/2023 14:07 | 75.4         | 16.4         | 0           | 8.2           | 75                    | -0.61                                         |                                                |
| WA-27*         | 3/13/2023 14:20 | 62.6         | 36.3         | 0           | 1.1           | 66                    | -7.72                                         |                                                |
| WA-28*         | 3/13/2023 14:34 | 57.1         | 42.9         | 0           | 0.0           | 70                    | -0.3                                          |                                                |
| WA-29*         | 3/15/2023 17:13 | 59           | 41.0         | 0           | 0.0           | 65                    | -1.19                                         |                                                |
| WA-4           | 3/13/2023 9:13  | 65.2         | 33.9         | 0           | 0.9           | 55                    | -10.47                                        |                                                |
| WA-5*          | 3/13/2023 9:29  | 6.1          | 3.6          | 18.8        | 71.5          | 56                    | -16.81                                        |                                                |
| WA-6*          | 3/13/2023 9:22  | 59.8         | 38.8         | 0           | 1.4           | 55                    | -23.58                                        |                                                |
| WA-7           | 3/13/2023 9:38  | 72.9         | 1.3          | 0           | 25.8          | 57                    | -0.91                                         |                                                |
| WA-8*          | 3/13/2023 9:46  | 0.1          | 0.7          | 20.4        | 78.8          | 58                    | -39.8                                         |                                                |
| WA-9*          | 3/13/2023 9:52  | 59.2         | 40.3         | 0           | 0.5           | 58                    | -7.42                                         |                                                |
| WB-1*          | 3/20/2023 13:25 | 61           | 38.4         | 0           | 0.6           | 58                    | -0.31                                         |                                                |
| WB-10R*        | 3/20/2023 9:11  | 11.2         | 4.0          | 19.2        | 65.6          | 55                    | -1.11                                         |                                                |
| WB-11*         | 3/20/2023 9:04  | 55.9         | 26.0         | 3.9         | 14.2          | 56                    | -0.13                                         |                                                |
| WB-12AR*       | 3/20/2023 8:48  | 58           | 38.0         | 0.4         | 3.6           | 49                    | -0.62                                         |                                                |
| WB-12R*        | 3/20/2023 8:54  | 55.1         | 38.0         | 0.4         | 6.5           | 50                    | -10.81                                        |                                                |
| WB-13R*        | 3/15/2023 18:55 | 41.4         | 30.8         | 1.8         | 26.0          | 62                    | -32.55                                        |                                                |
| WB-14R*        | 3/15/2023 18:53 | 42.1         | 30.2         | 2           | 25.7          | 62                    | -0.52                                         |                                                |
| WB-15R*        | 3/15/2023 18:49 | 54.3         | 38.3         | 0           | 7.4           | 60                    | -1.31                                         |                                                |
| WB-16R*        | 3/15/2023 18:47 | 21.9         | 23.9         | 1.5         | 52.7          | 61                    | -1.18                                         |                                                |
| WB-17R*        | 3/13/2023 13:29 | 26.1         | 24.9         | 1.2         | 47.8          | 70                    | -1.48                                         |                                                |
| WB-2*          | 3/20/2023 13:13 | 0            | 0.5          | 20.5        | 79.0          | 69                    | -0.3                                          |                                                |
| WB-3*          | 3/20/2023 12:59 | 0            | 0.1          | 22.1        | 77.8          | 72                    | -0.04                                         |                                                |
| WB-4*          | 3/20/2023 12:49 | 29.5         | 9.4          | 12.9        | 48.2          | 66                    | -12.59                                        |                                                |
| WB-5A*         | 3/20/2023 12:39 | 56.7         | 26.1         | 3.1         | 14.1          | 62                    | -0.8                                          |                                                |
| WB-5R*         | 3/20/2023 12:25 | 3.4          | 0.9          | 21.5        | 74.2          | 62                    | -30.5                                         |                                                |
| WB-6*          | 3/20/2023 9:43  | 58.3         | 38.8         | 0.5         | 2.4           | 56                    | -0.02                                         |                                                |
| WB-6A*         | 3/20/2023 12:15 | 57.4         | 38.6         | 0           | 4.0           | 58                    | -1.85                                         |                                                |
| WB-7*          | 3/20/2023 9:32  | 59.9         | 31.6         | 0.3         | 8.2           | 57                    | -1.16                                         |                                                |
| WB-7A*         | 3/20/2023 9:39  | 4.3          | 1.7          | 21.1        | 72.9          | 55                    | -2.33                                         |                                                |
| WB-8*          | 3/20/2023 9:24  | 7.2          | 3.3          | 19.7        | 69.8          | 57                    | -38.66                                        |                                                |
| WB-9*          | 3/20/2023 9:14  | 24.2         | 14.7         | 13.2        | 47.9          | 56                    | -0.35                                         |                                                |
| WC-1           | 3/20/2023 13:38 | 67.1         | 31.3         | 0           | 1.6           | 61                    | -1.66                                         |                                                |
| WC-2           | 3/20/2023 13:52 | 65.8         | 32.2         | 0           | 2.0           | 57                    | -0.7                                          |                                                |
| WC-3           | 3/20/2023 13:56 | 63           | 26.0         | 1.5         | 9.5           | 66                    | -1.59                                         |                                                |
| WC-4R          | 3/20/2023 14:03 | 69.8         | 28.0         | 0           | 2.2           | 60                    | -1.05                                         |                                                |

\* - Alternative oxygen wellhead limit

\*\* - Alternate temperature wellhead limit

| Permit Well ID | Date/Time       | %CH4 by Vol. | %CO2 by Vol. | %O2 by Vol. | %Bal. by Vol. | Wellhead Temp.<br>° F | Initial Vacuum<br>(inches of water<br>column) | Adjusted Vacuum<br>(inches of water<br>column) |
|----------------|-----------------|--------------|--------------|-------------|---------------|-----------------------|-----------------------------------------------|------------------------------------------------|
| WD-1           | 3/21/2023 7:23  | 72.2         | 27.8         | 0           | 0.0           | 46                    | -28.04                                        |                                                |
| WD-2           | 3/20/2023 14:48 | 73.2         | 25.0         | 0           | 1.8           | 60                    | -5.9                                          |                                                |
| WD-3*          | 3/20/2023 14:35 | 64.5         | 32.4         | 0.5         | 2.6           | 65                    | -3.72                                         |                                                |
| WD-4           | 3/20/2023 14:28 | 66.5         | 31.9         | 0           | 1.6           | 69                    | -2.97                                         |                                                |
| WE-1           | 3/21/2023 7:48  | 65.6         | 29.2         | 0.6         | 4.6           | 46                    | -35.03                                        |                                                |
| WE-1AR         | 3/21/2023 7:34  | 72.8         | 27.2         | 0           | 0.0           | 45                    | -1.03                                         |                                                |
| WE-2           | 3/21/2023 7:53  | 60           | 40.0         | 0           | 0.0           | 45                    | -3.01                                         |                                                |
| WE-3           | 3/21/2023 8:00  | 68.3         | 31.7         | 0           | 0.0           | 45                    | -2.87                                         |                                                |
| WE-4           | 3/21/2023 8:08  | 60.3         | 39.7         | 0           | 0.0           | 46                    | -10.74                                        |                                                |
| WE-5           | 3/21/2023 8:13  | 61.7         | 38.3         | 0           | 0.0           | 46                    | -1.81                                         |                                                |
| WF-1           | 3/21/2023 8:20  | 61.4         | 38.6         | 0           | 0.0           | 47                    | -3.02                                         |                                                |
| WF-2           | 3/20/2023 14:19 | 26.1         | 18.2         | 4.1         | 61.6          | 60                    | -16.89                                        |                                                |
| WN-10*         | 3/15/2023 17:35 | 59.4         | 40.2         | 0           | 0.4           | 64                    | -38.53                                        |                                                |
| WN-11*         | 3/15/2023 17:30 | 0.9          | 3.2          | 20.5        | 75.4          | 64                    | -39.5                                         |                                                |
| WN-12R*        | 3/15/2023 17:22 | 0            | 0.1          | 21.9        | 78.0          | 62                    | -7.44                                         |                                                |
| WN-13*         | 3/15/2023 17:19 | 1.1          | 0.9          | 20.4        | 77.6          | 62                    | -5.43                                         |                                                |
| WN-1R*         | 3/15/2023 18:38 | 61.6         | 37.6         | 0           | 0.8           | 60                    | -0.49                                         |                                                |
| WN-2R*         | 3/15/2023 18:34 | 3.4          | 3.3          | 16.1        | 77.2          | 60                    | -40.51                                        |                                                |
| WN-3R*         | 3/15/2023 18:26 | 55.5         | 26.8         | 3.7         | 14.0          | 60                    | -25.46                                        |                                                |
| WN-4*          | 3/15/2023 18:21 | 59.6         | 33.7         | 1.3         | 5.4           | 60                    | -38.18                                        |                                                |
| WN-4A*         | 3/15/2023 18:16 | 65.5         | 34.3         | 0           | 0.2           | 61                    | -35.95                                        |                                                |
| WN-5R*         | 3/15/2023 18:10 | 2.7          | 3.8          | 19.3        | 74.2          | 62                    | -25.26                                        |                                                |
| WN-6R*         | 3/15/2023 18:03 | 54           | 37.0         | 1.7         | 7.3           | 61                    | -2.2                                          |                                                |
| WN-7*          | 3/15/2023 17:59 | 28.6         | 24.6         | 4.9         | 41.9          | 62                    | -0.27                                         |                                                |
| WN-8R*         | 3/15/2023 17:51 | 15.2         | 9.1          | 16.5        | 59.2          | 65                    | -34.63                                        |                                                |
| WN-9R*         | 3/15/2023 17:38 | 58.8         | 39.8         | 0.1         | 1.3           | 64                    | -26.55                                        |                                                |

## CRITTENDEN

| Permit Well ID | Date/Time     | %CH4 by Vol. | %CO2 by Vol. | %O2 by Vol. | %Bal. by Vol. | Wellhead Temp.<br>° F | Initial Vacuum<br>(inches of water<br>column) | Adjusted Vacuum<br>(inches of water<br>column) |
|----------------|---------------|--------------|--------------|-------------|---------------|-----------------------|-----------------------------------------------|------------------------------------------------|
| CRA-10*        | 3/6/2023 8:58 | 0.2          | 0.2          | 23.2        | 76.4          | 58                    | -0.65                                         |                                                |
| CRA-11         | 3/6/2023 9:26 | 56.9         | 35.9         | 1.2         | 6             | 49                    | -1.3                                          |                                                |
| CRA-12         | 3/6/2023 9:20 | 61.1         | 35.4         | 0           | 3.5           | 48                    | -1.31                                         |                                                |
| CRA-13*        | 3/6/2023 9:13 | 60.5         | 39.2         | 0           | 0.3           | 47                    | -1.16                                         |                                                |
| CRA-1R*        | 3/6/2023 7:38 | 60.3         | 39.4         | 0           | 0.3           | 48                    | -0.8                                          |                                                |
| CRA-2R*        | 3/6/2023 7:41 | 7.5          | 7.8          | 14.6        | 70.1          | 48                    | -0.51                                         |                                                |
| CRA-3*         | 3/6/2023 7:55 | 47.8         | 38.8         | 0           | 13.4          | 43                    | -1.33                                         |                                                |

\* - Alternative oxygen wellhead limit

\*\* - Alternate temperature wellhead limit

| Permit Well ID | Date/Time      | %CH4 by Vol. | %CO2 by Vol. | %O2 by Vol. | %Bal. by Vol. | Wellhead Temp.<br>° F | Initial Vacuum<br>(inches of water<br>column) | Adjusted Vacuum<br>(inches of water<br>column) |
|----------------|----------------|--------------|--------------|-------------|---------------|-----------------------|-----------------------------------------------|------------------------------------------------|
| CRA-4*         | 3/6/2023 8:09  | 6            | 19.3         | 4.9         | 69.8          | 44                    | -0.33                                         |                                                |
| CRA-5R*        | 3/6/2023 8:23  | 6.4          | 6.9          | 17.3        | 69.4          | 44                    | -0.99                                         |                                                |
| CRA-6*         | 3/6/2023 8:28  | 16.9         | 21.6         | 1.9         | 59.6          | 45                    | -1.2                                          |                                                |
| CRA-7R*        | 3/6/2023 8:34  | 10.1         | 8.2          | 14.5        | 67.2          | 50                    | -0.94                                         |                                                |
| CRA-8*         | 3/6/2023 8:38  | 46.9         | 31.9         | 0           | 21.2          | 50                    | -0.85                                         |                                                |
| CRA-9*         | 3/6/2023 8:53  | 50.3         | 23.6         | 0           | 26.1          | 51                    | -0.89                                         |                                                |
| CRB-1R*        | 3/6/2023 9:37  | 20.3         | 16.5         | 9.8         | 53.4          | 49                    | -1.2                                          |                                                |
| CRB-2R*        | 3/6/2023 9:49  | 30.6         | 29.9         | 0           | 39.5          | 58                    | -1.21                                         |                                                |
| CRB-3*         | 3/6/2023 9:57  | 55.2         | 36.2         | 0           | 8.6           | 52                    | -1.13                                         |                                                |
| CRB-4R*        | 3/6/2023 10:06 | 32.4         | 26.4         | 1.4         | 39.8          | 51                    | -0.9                                          |                                                |
| CRB-5*         | 3/6/2023 10:26 | 0.1          | 0.1          | 22.6        | 77.2          | 51                    | -0.36                                         |                                                |
| CRB-6*         | 3/6/2023 10:32 | 0            | 0.2          | 22          | 77.8          | 54                    | -0.43                                         |                                                |
| CRB-7R*        | 3/6/2023 12:41 | 60.6         | 36.8         | 0           | 2.6           | 62                    | -1.01                                         |                                                |
| CRB-8*         | 3/6/2023 13:14 | 20.6         | 14.6         | 10.3        | 54.5          | 55                    | -0.9                                          |                                                |
| CRC-1          | 3/6/2023 12:54 | 47.1         | 23.6         | 4.2         | 24            | 55                    | -0.9                                          |                                                |
| CRC-2          | 3/6/2023 10:40 | 55.9         | 29.7         | 0           | 14.4          | 61                    | -0.83                                         |                                                |
| CRC-3          | 3/6/2023 10:02 | 32.8         | 28.9         | 0.2         | 38.1          | 52                    | -0.7                                          |                                                |
| CRC-4          | 3/6/2023 9:42  | 34.4         | 16.6         | 4.6         | 40.3          | 52                    | -0.99                                         |                                                |
| CRD-1*         | 3/6/2023 13:26 | 57.6         | 31.2         | 1.9         | 9.3           | 48                    | -0.84                                         |                                                |
| CRD-10*        | 3/6/2023 14:32 | 58.2         | 28.9         | 0           | 12.9          | 58                    | -0.66                                         |                                                |
| CRD-11*        | 3/6/2023 14:40 | 4            | 1.7          | 20          | 74.3          | 61                    | -0.38                                         |                                                |
| CRD-2          | 3/6/2023 13:40 | 63.9         | 34.9         | 0           | 1.2           | 50                    | -0.68                                         |                                                |
| CRD-3*         | 3/6/2023 13:47 | 59.5         | 40.5         | 0           | 0             | 51                    | -0.75                                         |                                                |
| CRD-4          | 3/6/2023 13:51 | 23.4         | 17.1         | 4.8         | 76.7          | 52                    | -0.59                                         |                                                |
| CRD-5*         | 3/6/2023 13:57 | 67.5         | 32.5         | 0           | 0             | 53                    | -0.73                                         |                                                |
| CRD-6          | 3/6/2023 14:08 | 49.4         | 27           | 4           | 18.4          | 60                    | -0.66                                         |                                                |
| CRD-7          | 3/6/2023 14:47 | 18.1         | 12.2         | 4.1         | 78.1          | 60                    | -0.4                                          |                                                |
| CRD-8R*        | 3/6/2023 14:22 | 1.9          | 1.9          | 20.1        | 76.1          | 62                    | -0.04                                         |                                                |
| CRD-9*         | 3/6/2023 14:27 | 44           | 28.6         | 2.8         | 24.6          | 63                    | -0.17                                         |                                                |

## 6ANE

| Permit Well ID | Date/Time     | %CH4 by Vol. | %CO2 by Vol. | %O2 by Vol. | %Bal. by Vol. | Wellhead Temp.<br>° F | Initial Vacuum<br>(inches of water<br>column) | Adjusted Vacuum<br>(inches of water<br>column) |
|----------------|---------------|--------------|--------------|-------------|---------------|-----------------------|-----------------------------------------------|------------------------------------------------|
| NEA-1*         | 3/7/2023 7:22 | 49           | 30.7         | 4.2         | 16.1          | 45                    | -3.13                                         |                                                |
| NEA-10         | 3/7/2023 8:09 | 58.8         | 41.2         | 0           | 0.0           | 47                    | -8.12                                         |                                                |
| NEA-11*        | 3/7/2023 8:14 | 59.3         | 40.7         | 0           | 0.0           | 44                    | -12.21                                        |                                                |
| NEA-12         | 3/7/2023 8:37 | 58.7         | 41.3         | 0           | 0.0           | 53                    | -0.2                                          |                                                |

\* - Alternative oxygen wellhead limit

\*\* - Alternate temperature wellhead limit

| Permit Well ID | Date/Time      | %CH4 by Vol. | %CO2 by Vol. | %O2 by Vol. | %Bal. by Vol. | Wellhead Temp.<br>° F | Initial Vacuum<br>(inches of water<br>column) | Adjusted Vacuum<br>(inches of water<br>column) |
|----------------|----------------|--------------|--------------|-------------|---------------|-----------------------|-----------------------------------------------|------------------------------------------------|
| NEA-13*        | 3/7/2023 8:44  | 59.7         | 40.3         | 0           | 0.0           | 49                    | -0.31                                         |                                                |
| NEA-14         | 3/7/2023 9:11  | 46           | 31.6         | 4.2         | 18.2          | 50                    | -36.37                                        |                                                |
| NEA-15*        | 3/7/2023 9:14  | 58.8         | 41.2         | 0           | 0.0           | 50                    | -36.22                                        |                                                |
| NEA-16A*       | 3/7/2023 9:20  | 58.8         | 41.2         | 0           | 0.0           | 50                    | -36.29                                        |                                                |
| NEA-2R*        | 3/7/2023 7:26  | 1.6          | 1.0          | 21.7        | 75.7          | 45                    | -21.08                                        |                                                |
| NEA-3*         | 3/7/2023 7:31  | 67           | 32.2         | 0           | 0.8           | 45                    | -5.46                                         |                                                |
| NEA-4*         | 3/7/2023 7:34  | 52.2         | 32.3         | 3.3         | 12.2          | 46                    | -3.59                                         |                                                |
| NEA-5R*        | 3/7/2023 7:40  | 57           | 35.4         | 1           | 6.6           | 47                    | -1.38                                         |                                                |
| NEA-6*         | 3/7/2023 7:48  | 41.3         | 22.9         | 2.8         | 33.0          | 47                    | -9.17                                         |                                                |
| NEA-7*         | 3/7/2023 7:53  | 57.9         | 41.0         | 0           | 1.1           | 46                    | -2.74                                         |                                                |
| NEA-8*-**      | 3/7/2023 7:58  | 58.8         | 41.2         | 0           | 0.0           | 47                    | -6.27                                         |                                                |
| NEA-9*         | 3/7/2023 8:04  | 57.8         | 42.2         | 0           | 0.0           | 47                    | -1.1                                          |                                                |
| NEB-1*         | 3/7/2023 9:38  | 68.8         | 26.4         | 0.5         | 4.3           | 51                    | -3.27                                         |                                                |
| NEB-10*        | 3/7/2023 10:45 | 56.1         | 42.2         | 0           | 1.7           | 60                    | -2.41                                         |                                                |
| NEB-11*        | 3/7/2023 12:25 | 58.6         | 41.4         | 0           | 0.0           | 63                    | -10.74                                        |                                                |
| NEB-12*        | 3/7/2023 12:30 | 57.5         | 40.2         | 0           | 2.3           | 66                    | -2.4                                          |                                                |
| NEB-13*        | 3/7/2023 12:35 | 45.9         | 38.3         | 0           | 15.8          | 68                    | -0.92                                         |                                                |
| NEB-14R*       | 3/7/2023 12:39 | 7.9          | 15.6         | 8.6         | 67.9          | 55                    | -0.27                                         |                                                |
| NEB-2*         | 3/7/2023 9:45  | 23.2         | 2.8          | 15.7        | 58.3          | 50                    | -27.42                                        |                                                |
| NEB-3*         | 3/7/2023 9:51  | 59.7         | 35.3         | 0           | 5.0           | 57                    | -0.13                                         |                                                |
| NEB-4*         | 3/7/2023 9:57  | 0.2          | 0.2          | 22.6        | 77.0          | 50                    | -32.96                                        |                                                |
| NEB-5*         | 3/7/2023 10:04 | 46.3         | 30.7         | 0           | 23.0          | 67                    | -0.56                                         |                                                |
| NEB-6*         | 3/7/2023 10:12 | 57.2         | 41.2         | 0           | 1.6           | 62                    | -2.47                                         |                                                |
| NEB-7*         | 3/7/2023 10:21 | 53           | 40.0         | 0           | 7.0           | 57                    | -0.75                                         |                                                |
| NEB-8*         | 3/7/2023 10:29 | 56.9         | 41.9         | 0           | 1.2           | 54                    | -0.69                                         |                                                |
| NEB-9          | 3/7/2023 10:39 | 51.9         | 40.5         | 0           | 7.6           | 56                    | -1.02                                         |                                                |
| NEC-1*         | 3/7/2023 12:51 | 47.2         | 38.4         | 0           | 14.4          | 66                    | -23.36                                        |                                                |
| NEC-2*         | 3/7/2023 12:56 | 52.7         | 38.3         | 0.8         | 8.2           | 64                    | -0.45                                         |                                                |
| NEC-3*         | 3/7/2023 13:02 | 41.3         | 36.4         | 0           | 22.3          | 63                    | -0.11                                         |                                                |
| NED-1R*        | 3/7/2023 13:09 | 41.2         | 35.7         | 1           | 22.1          | 64                    | -0.06                                         |                                                |
| NED-2          | 3/7/2023 13:13 | 59.5         | 40.5         | 0           | 0.0           | 65                    | -0.1                                          |                                                |
| NED-3          | 3/7/2023 13:17 | 28           | 15.1         | 4.5         | 63.7          | 58                    | -27.65                                        |                                                |
| NEE-1          | 3/7/2023 13:23 | 58.8         | 41.2         | 0           | 0.0           | 64                    | -12.59                                        |                                                |
| NEE-2R*        | 3/7/2023 13:27 | 30.2         | 14.2         | 10.1        | 45.5          | 63                    | -25.41                                        |                                                |
| NEE-3*         | 3/7/2023 13:49 | 58.8         | 32.3         | 1.6         | 7.3           | 57                    | -19.49                                        |                                                |
| NEE-4*         | 3/7/2023 14:00 | 71.9         | 26.3         | 0           | 1.8           | 57                    | -25.87                                        |                                                |
| NEE-5*         | 3/7/2023 14:10 | 12.2         | 5.6          | 16.6        | 65.6          | 58                    | -7.5                                          |                                                |
| NEE-6*         | 3/7/2023 14:19 | 58.3         | 41.3         | 0           | 0.4           | 58                    | -8.51                                         |                                                |

\* - Alternative oxygen wellhead limit

\*\* - Alternate temperature wellhead limit



CITY OF MOUNTAIN VIEW  
MONTHLY LANDFILL GAS WELL HEAD MONITORING

April 2023

| VISTA          |                |              |              |             |               |                       |                                               |                                                |
|----------------|----------------|--------------|--------------|-------------|---------------|-----------------------|-----------------------------------------------|------------------------------------------------|
| Permit Well ID | Date/Time      | %CH4 by Vol. | %CO2 by Vol. | %O2 by Vol. | %Bal. by Vol. | Wellhead Temp.<br>° F | Initial Vacuum<br>(inches of water<br>column) | Adjusted Vacuum<br>(inches of water<br>column) |
| VA-1A*         | 4/6/2023 8:01  | 62.7         | 37.3         | 0           | 0.0           | 49                    | -5.4                                          |                                                |
| VA-1R*         | 4/6/2023 7:53  | 60.4         | 39.0         | 0           | 0.6           | 49                    | -1.24                                         |                                                |
| VA-2*          | 4/6/2023 8:09  | 64.8         | 30.6         | 0.8         | 3.8           | 51                    | -0.7                                          |                                                |
| VA-3A*         | 4/6/2023 8:20  | 65.9         | 34.0         | 0           | 0.1           | 50                    | -1.3                                          |                                                |
| VA-3R*         | 4/6/2023 8:15  | 0.4          | 0.2          | 22.4        | 77.0          | 50                    | -0.1                                          |                                                |
| VA-4*          | 4/6/2023 8:29  | 30.5         | 14.1         | 12          | 43.4          | 52                    | -4.01                                         |                                                |
| VA-5R          | 4/6/2023 8:41  | 72.6         | 26.9         | 0           | 0.5           | 50                    | -20.54                                        |                                                |
| VA-6           | 4/6/2023 8:48  | 68.9         | 20.4         | 2.2         | 8.5           | 50                    | -39.53                                        |                                                |
| VA-HZ*         | 4/6/2023 8:35  | 0            | 2.3          | 17.1        | 80.6          | 53                    | -5.07                                         |                                                |
| VB-1*          | 4/6/2023 9:03  | 45.4         | 24.4         | 5.9         | 24.3          | 53                    | -28.67                                        |                                                |
| VB-2R*         | 4/6/2023 9:17  | 72.7         | 25.3         | 0           | 2.0           | 57                    | -0.67                                         |                                                |
| VB-3           | 4/6/2023 9:21  | 60.6         | 32.9         | 0.5         | 6.0           | 51                    | -38.83                                        |                                                |
| VB-3A*         | 4/6/2023 9:28  | 40.7         | 20.2         | 7.6         | 31.5          | 58                    | -15.22                                        |                                                |
| VB-4*          | 4/6/2023 9:33  | 57.8         | 37.4         | 0           | 4.8           | 55                    | -21.9                                         |                                                |
| VB-5A*         | 4/6/2023 9:48  | 3.4          | 3.7          | 21.5        | 71.4          | 55                    | -1.77                                         |                                                |
| VB-5R*         | 4/6/2023 9:39  | 62.1         | 32.9         | 0           | 5.0           | 55                    | -1.98                                         |                                                |
| VB-6R*         | 4/6/2023 10:03 | 48           | 29.9         | 4.1         | 18.0          | 55                    | -10.17                                        |                                                |
| VB-7*          | 4/6/2023 10:07 | 48.9         | 31.1         | 2.4         | 17.6          | 55                    | -11.66                                        |                                                |
| VB-8*          | 4/6/2023 10:20 | 0.1          | 0.1          | 21.8        | 78.0          | 57                    | -24.35                                        |                                                |
| VB-9R          | 4/6/2023 10:11 | 58.4         | 38.1         | 0           | 3.5           | 55                    | -2.11                                         |                                                |
| VC-10          | 4/6/2023 11:53 | 56.9         | 36.8         | 0           | 6.3           | 65                    | -27.01                                        |                                                |
| VC-1R*         | 4/6/2023 10:16 | 0.7          | 0.7          | 21.5        | 77.1          | 57                    | -0.32                                         |                                                |
| VC-2R*         | 4/6/2023 10:24 | 33.2         | 22.1         | 0           | 44.7          | 59                    | -12.87                                        |                                                |
| VC-3*          | 4/6/2023 10:31 | 74.4         | 24.1         | 0           | 1.5           | 59                    | -5.17                                         |                                                |
| VC-4           | 4/6/2023 10:39 | 56.6         | 43.1         | 0           | 0.3           | 59                    | -0.1                                          |                                                |
| VC-5*          | 4/6/2023 10:43 | 0.9          | 0.5          | 21.3        | 77.3          | 61                    | -1.74                                         |                                                |
| VC-6*          | 4/6/2023 10:47 | 56.4         | 20.7         | 4.2         | 18.7          | 63                    | -18.93                                        |                                                |
| VC-7*          | 4/6/2023 10:51 | 55.4         | 36.4         | 0.9         | 7.3           | 63                    | -9.59                                         |                                                |
| VC-8*          | 4/6/2023 10:53 | 69.4         | 22.2         | 1.4         | 7.0           | 63                    | -0.04                                         |                                                |
| VE-10*         | 4/6/2023 12:49 | 65.3         | 23.1         | 0.1         | 11.5          | 69                    | -0.42                                         |                                                |
| VE-11          | 4/6/2023 12:55 | 57.8         | 36.4         | 0.3         | 5.5           | 69                    | -10.19                                        |                                                |

\* - Alternative oxygen wellhead limit

\*\* - Alternate temperature wellhead limit

| Permit Well ID | Date/Time       | %CH4 by Vol. | %CO2 by Vol. | %O2 by Vol. | %Bal. by Vol. | Wellhead Temp.<br>° F | Initial Vacuum<br>(inches of water<br>column) | Adjusted Vacuum<br>(inches of water<br>column) |
|----------------|-----------------|--------------|--------------|-------------|---------------|-----------------------|-----------------------------------------------|------------------------------------------------|
| VE-1R*         | 4/6/2023 12:10  | 0.2          | 0.2          | 21.4        | 78.2          | 76                    | -35.15                                        |                                                |
| VE-3           | 4/6/2023 12:05  | 54.5         | 35.3         | 1.2         | 9.0           | 74                    | -1.74                                         |                                                |
| VE-4R*         | 4/6/2023 12:14  | 49.2         | 27.1         | 2.2         | 21.5          | 77                    | -6.71                                         |                                                |
| VE-5*          | 4/6/2023 12:20  | 6.8          | 2.9          | 19.8        | 70.5          | 71                    | -37.18                                        |                                                |
| VE-6*-**       | 4/6/2023 12:31  | 62.8         | 34.3         | 0           | 2.9           | 73                    | -1.3                                          |                                                |
| VE-7*          | 4/6/2023 12:35  | 4.1          | 1.3          | 19.5        | 75.1          | 69                    | -0.02                                         |                                                |
| VE-8*          | 4/6/2023 12:41  | 1.3          | 0.3          | 20.6        | 77.8          | 67                    | -38.7                                         |                                                |
| VE-9*-**       | 4/6/2023 12:45  | 0            | 0.0          | 21.1        | 78.9          | 67                    | -23.18                                        |                                                |
| VF-1*          | 4/6/2023 13:06  | 49.3         | 24.0         | 0           | 26.7          | 69                    | -0.19                                         |                                                |
| VF-10          | 4/20/2023 8:25  | 61.7         | 37.2         | 0.1         | 1.0           | 57                    | -28.41                                        |                                                |
| VF-11**        | 4/20/2023 8:31  | 56.7         | 38.4         | 0           | 4.9           | 53                    | -34.16                                        |                                                |
| VF-2*          | 4/6/2023 13:11  | 1.6          | 0.4          | 20.1        | 77.9          | 66                    | -27.38                                        |                                                |
| VF-3**         | 4/6/2023 13:17  | 60.7         | 37.7         | 0           | 1.6           | 66                    | -2.4                                          |                                                |
| VF-4*          | 4/20/2023 13:15 | 25.8         | 21.0         | 1.1         | 52.1          | 73                    | -0.1                                          |                                                |
| VF-5R*         | 4/6/2023 13:22  | 59.2         | 31.0         | 0.6         | 9.2           | 74                    | -5.46                                         |                                                |
| VF-6           | 4/6/2023 13:27  | 55.5         | 43.0         | 0           | 1.5           | 72                    | -0.14                                         |                                                |
| VF-7*          | 4/6/2023 13:40  | 0            | 0.1          | 21.6        | 78.3          | 69                    | -1.56                                         |                                                |
| VF-7A          | 4/6/2023 13:34  | 61.3         | 38.2         | 0           | 0.5           | 74                    | -0.42                                         |                                                |
| VF-8R*         | 4/6/2023 13:45  | 64.9         | 34.0         | 0           | 1.1           | 69                    | -0.45                                         |                                                |
| VF-9           | 4/6/2023 13:48  | 55.9         | 43.1         | 0           | 1.0           | 67                    | -0.14                                         |                                                |
| VG-1           | 4/20/2023 8:47  | 62.1         | 34.6         | 0           | 3.3           | 59                    | -32.43                                        |                                                |
| VG-1A          | 4/20/2023 8:43  | 36.8         | 23.4         | 4.2         | 57.4          | 58                    | -42.78                                        |                                                |
| VG-2R          | 4/20/2023 8:52  | 60.8         | 30.4         | 1.5         | 7.3           | 68                    | -38.51                                        |                                                |
| VG-3**         | 4/20/2023 9:04  | 56.7         | 39.1         | 0.2         | 4.0           | 63                    | -6.76                                         |                                                |
| VG-3AR**       | 4/20/2023 8:58  | 43.3         | 28.3         | 3.2         | 22.2          | 69                    | -5.24                                         |                                                |
| VG-4**         | 4/20/2023 9:14  | 53.4         | 40.3         | 1.1         | 5.2           | 60                    | -1.72                                         |                                                |
| VG-4A          | 4/20/2023 9:10  | 38.9         | 27.4         | 2.9         | 70.8          | 73                    | -7.78                                         |                                                |
| VG-5           | 4/20/2023 9:19  | 57.7         | 40.4         | 0           | 1.9           | 67                    | -1.19                                         |                                                |
| VG-6           | 4/20/2023 9:23  | 54.8         | 41.2         | 0           | 4.0           | 66                    | -0.89                                         |                                                |
| VH-1           | 4/20/2023 9:35  | 56.7         | 31.6         | 0.6         | 11.1          | 62                    | -1.73                                         |                                                |
| VH-10**        | 4/20/2023 10:11 | 56.9         | 39.6         | 0           | 3.5           | 64                    | -0.36                                         |                                                |
| VH-11          | 4/20/2023 10:23 | 47.9         | 28.4         | 1.1         | 22.6          | 64                    | -4.03                                         |                                                |
| VH-12          | 4/20/2023 10:15 | 54.1         | 37.4         | 1.5         | 7.0           | 68                    | -0.87                                         |                                                |
| VH-13          | 4/20/2023 10:27 | 50.5         | 38.7         | 0           | 10.8          | 71                    | -0.47                                         |                                                |
| VH-2           | 4/20/2023 9:31  | 39           | 28.1         | 0.2         | 32.7          | 62                    | -1.26                                         |                                                |
| VH-3*          | 4/20/2023 9:42  | 13.5         | 17.5         | 3.6         | 65.4          | 64                    | -0.47                                         |                                                |
| VH-4**         | 4/20/2023 9:27  | 42.1         | 28.3         | 3.2         | 77.1          | 66                    | -0.5                                          |                                                |
| VH-5**         | 4/20/2023 9:46  | 55.2         | 37.8         | 0           | 7.0           | 64                    | -1.61                                         |                                                |
| VH-6           | 4/20/2023 9:53  | 47.1         | 24.6         | 3.6         | 78.1          | 67                    | -42.91                                        |                                                |

\* - Alternative oxygen wellhead limit

\*\* - Alternate temperature wellhead limit

| Permit Well ID | Date/Time       | %CH4 by Vol. | %CO2 by Vol. | %O2 by Vol. | %Bal. by Vol. | Wellhead Temp.<br>° F | Initial Vacuum<br>(inches of water<br>column) | Adjusted Vacuum<br>(inches of water<br>column) |
|----------------|-----------------|--------------|--------------|-------------|---------------|-----------------------|-----------------------------------------------|------------------------------------------------|
| VH-7R          | 4/20/2023 9:57  | 48.7         | 29.1         | 4.3         | 17.9          | 63                    | -19.28                                        |                                                |
| VH-8           | 4/20/2023 10:01 | 52.5         | 37.1         | 0           | 10.4          | 65                    | -1.37                                         |                                                |
| VH-9           | 4/20/2023 10:06 | 54.5         | 34.3         | 0           | 11.2          | 69                    | -1.73                                         |                                                |
| VJ-10R*        | 4/20/2023 12:28 | 1.2          | 0.6          | 21.1        | 77.1          | 74                    | -11.49                                        |                                                |
| VJ-11R*        | 4/20/2023 12:24 | 35.4         | 21.0         | 9.4         | 34.2          | 69                    | -40.88                                        |                                                |
| VJ-1R          | 4/20/2023 10:52 | 41           | 26.5         | 2.8         | 29.7          | 71                    | -15.54                                        |                                                |
| VJ-2R*         | 4/20/2023 10:42 | 10.2         | 4.7          | 18.3        | 66.8          | 63                    | -12.56                                        |                                                |
| VJ-3R*-**      | 4/20/2023 10:46 | 58.5         | 28.9         | 2.4         | 10.2          | 65                    | -30.07                                        |                                                |
| VJ-4A*-**      | 4/20/2023 10:56 | 0.6          | 0.7          | 20.9        | 77.8          | 67                    | -41.43                                        |                                                |
| VJ-4R*-**      | 4/20/2023 10:59 | 56.6         | 35.0         | 0.7         | 7.7           | 68                    | -5.6                                          |                                                |
| VJ-5R*         | 4/20/2023 11:53 | 58.6         | 41.4         | 0           | 0.0           | 62                    | -35.94                                        |                                                |
| VJ-6R*         | 4/20/2023 11:57 | 57.1         | 30.0         | 1.5         | 11.4          | 68                    | -40.88                                        |                                                |
| VJ-7R*         | 4/20/2023 13:10 | 45.2         | 30.5         | 4.9         | 19.4          | 60                    | -11.64                                        |                                                |
| VJ-8*          | 4/20/2023 12:15 | 0.2          | 0.1          | 21.8        | 77.9          | 69                    | -3.46                                         |                                                |
| VJ-9R*         | 4/20/2023 12:20 | 37.6         | 23.1         | 8.4         | 30.9          | 69                    | -16.7                                         |                                                |
| VK-1R          | 4/20/2023 12:33 | 62.2         | 36.3         | 0.2         | 1.3           | 67                    | -40.2                                         |                                                |
| VK-2R          | 4/20/2023 12:43 | 64.9         | 34.4         | 0           | 0.7           | 67                    | -1.48                                         |                                                |
| VK-3R*         | 4/20/2023 12:58 | 13.5         | 6.6          | 16.8        | 63.1          | 71                    | -2.12                                         |                                                |
| VK-4*          | 4/20/2023 12:54 | 13.7         | 7.2          | 16.9        | 62.2          | 79                    | -41.89                                        |                                                |
| VK-5*          | 4/20/2023 12:49 | 16.4         | 9.4          | 16          | 58.2          | 73                    | -0.02                                         |                                                |

## FRONT NINE

| Permit Well ID | Date/Time       | %CH4 by Vol. | %CO2 by Vol. | %O2 by Vol. | %Bal. by Vol. | Wellhead Temp.<br>° F | Initial Vacuum<br>(inches of water<br>column) | Adjusted Vacuum<br>(inches of water<br>column) |
|----------------|-----------------|--------------|--------------|-------------|---------------|-----------------------|-----------------------------------------------|------------------------------------------------|
| A-16*          | 4/13/2023 14:30 | 0.3          | 0.4          | 20.9        | 78.4          | 72                    | -30.74                                        |                                                |
| A-5            | 4/13/2023 8:43  | 42.5         | 27.3         | 2           | 92.2          | 58                    | -0.61                                         |                                                |
| B-12           | 4/13/2023 14:05 | 32.7         | 22.8         | 4.8         | 39.7          | 77                    | -0.19                                         |                                                |
| B-2*           | 4/13/2023 10:23 | 0            | 0.0          | 22.3        | 77.7          | 64                    | -0.01                                         |                                                |
| B-28*          | 4/13/2023 8:56  | 8.1          | 8.6          | 6           | 77.3          | 58                    | -2.22                                         |                                                |
| B-3R*          | 4/13/2023 10:46 | 0            | 4.7          | 14          | 81.3          | 62                    | -0.01                                         |                                                |
| B-4R*          | 4/13/2023 12:48 | 51.7         | 31.3         | 2.4         | 14.6          | 67                    | -0.01                                         |                                                |
| FHZ-1*         | 4/13/2023 13:34 | 40.5         | 28.8         | 3.7         | 27.0          | 71                    | -0.65                                         |                                                |
| FHZ-2*         | 4/13/2023 13:45 | 59.4         | 40.2         | 0           | 0.4           | 78                    | -0.23                                         |                                                |
| FHZ-3*         | 4/13/2023 13:55 | 3            | 14.4         | 9.3         | 73.3          | 76                    | -0.05                                         |                                                |
| FHZ-4*         | 4/13/2023 14:25 | 60.3         | 38.2         | 0           | 1.5           | 76                    | -0.01                                         |                                                |
| FHZ-5*         | 4/13/2023 14:40 | 60.5         | 37.1         | 0           | 2.4           | 68                    | -0.02                                         |                                                |
| LE-1*          | 4/13/2023 9:35  | 6.1          | 14.3         | 7.8         | 71.8          | 58                    | -0.14                                         |                                                |

\* - Alternative oxygen wellhead limit

\*\* - Alternate temperature wellhead limit

| Permit Well ID | Date/Time       | %CH4 by Vol. | %CO2 by Vol. | %O2 by Vol. | %Bal. by Vol. | Wellhead Temp.<br>° F | Initial Vacuum<br>(inches of water<br>column) | Adjusted Vacuum<br>(inches of water<br>column) |
|----------------|-----------------|--------------|--------------|-------------|---------------|-----------------------|-----------------------------------------------|------------------------------------------------|
| LE-2*          | 4/13/2023 10:10 | 0            | 2.4          | 15.9        | 81.7          | 61                    | -0.02                                         |                                                |
| LE-3*          | 4/13/2023 10:17 | 0            | 0.4          | 20.8        | 78.8          | 63                    | -0.1                                          |                                                |
| LE-4*          | 4/13/2023 13:09 | 69.5         | 29.9         | 0           | 0.6           | 68                    | -2.1                                          |                                                |
| Y-1*           | 4/13/2023 9:00  | 0            | 0.1          | 22.7        | 77.2          | 56                    | -3.19                                         |                                                |
| Y-2*           | 4/13/2023 9:54  | 0.5          | 2.6          | 18.5        | 78.4          | 66                    | -0.36                                         |                                                |
| Y-3*           | 4/13/2023 10:02 | 0            | 3.7          | 17          | 79.3          | 67                    | -19.85                                        |                                                |
| Y-4*           | 4/13/2023 9:59  | 0            | 1.4          | 20.4        | 78.2          | 63                    | -13.93                                        |                                                |
| Y-5*           | 4/13/2023 9:45  | 0            | 0.0          | 22.5        | 77.5          | 59                    | -0.39                                         |                                                |
| Y-6*           | 4/13/2023 9:41  | 26.1         | 9.0          | 14.4        | 50.5          | 59                    | -1.3                                          |                                                |

## MICHAELS

| Permit Well ID | Date/Time      | %CH4 by Vol. | %CO2 by Vol. | %O2 by Vol. | %Bal. by Vol. | Wellhead Temp.<br>° F | Initial Vacuum<br>(inches of water<br>column) | Adjusted Vacuum<br>(inches of water<br>column) |
|----------------|----------------|--------------|--------------|-------------|---------------|-----------------------|-----------------------------------------------|------------------------------------------------|
| B-20*          | 4/4/2023 10:35 | 0            | 0.6          | 20.4        | 79.0          | 50                    | -0.02                                         |                                                |
| B-24*          | 4/4/2023 10:38 | 55.4         | 26.7         | 3.2         | 14.7          | 48.0                  | -37.23                                        |                                                |
| MPHZ*          | 4/4/2023 10:31 | 10.7         | 4.6          | 16.5        | 68.2          | 53                    | -0.1                                          |                                                |

## BACK NINE

| Permit Well ID | Date/Time       | %CH4 by Vol. | %CO2 by Vol. | %O2 by Vol. | %Bal. by Vol. | Wellhead Temp.<br>° F | Initial Vacuum<br>(inches of water<br>column) | Adjusted Vacuum<br>(inches of water<br>column) |
|----------------|-----------------|--------------|--------------|-------------|---------------|-----------------------|-----------------------------------------------|------------------------------------------------|
| WA-10          | 4/11/2023 9:28  | 53.4         | 32.3         | 2.3         | 12.0          | 61                    | -0.01                                         |                                                |
| WA-11          | 4/11/2023 9:39  | 51.8         | 37.0         | 2.3         | 8.9           | 62                    | -4.62                                         |                                                |
| WA-12R         | 4/11/2023 9:43  | 53.2         | 40.1         | 1.6         | 5.1           | 60                    | -2.02                                         |                                                |
| WA-13*         | 4/11/2023 9:33  | 61.9         | 38.0         | 0           | 0.1           | 60                    | -24.02                                        |                                                |
| WA-14*         | 4/11/2023 12:54 | 0            | 0.2          | 18.3        | 81.5          | 80                    | -4.2                                          |                                                |
| WA-15R*        | 4/11/2023 10:09 | 18.9         | 7.6          | 16.3        | 57.2          | 62                    | -0.46                                         |                                                |
| WA-16*         | 4/11/2023 10:22 | 62.5         | 35.7         | 0           | 1.8           | 62                    | -9.21                                         |                                                |
| WA-17          | 4/11/2023 10:17 | 55.5         | 39.5         | 0.9         | 4.1           | 61                    | -14.53                                        |                                                |
| WA-18*         | 4/11/2023 10:32 | 63.9         | 29.8         | 0           | 6.3           | 66                    | -0.01                                         |                                                |
| WA-19*         | 4/11/2023 10:44 | 0.2          | 0.1          | 22.4        | 77.3          | 71                    | -0.78                                         |                                                |
| WA-1R*         | 4/11/2023 8:29  | 58.6         | 41.1         | 0           | 0.3           | 59                    | -6.07                                         |                                                |
| WA-2*          | 4/11/2023 8:37  | 44.7         | 21.3         | 7.9         | 26.1          | 59                    | -1                                            |                                                |
| WA-20*         | 4/11/2023 10:47 | 55.3         | 34.9         | 1.8         | 8.0           | 69                    | -23.99                                        |                                                |
| WA-21R*        | 4/11/2023 13:02 | 50           | 25.6         | 2.5         | 21.9          | 78                    | -0.07                                         |                                                |

\* - Alternative oxygen wellhead limit

\*\* - Alternate temperature wellhead limit

| Permit Well ID | Date/Time       | %CH4 by Vol. | %CO2 by Vol. | %O2 by Vol. | %Bal. by Vol. | Wellhead Temp.<br>° F | Initial Vacuum<br>(inches of water<br>column) | Adjusted Vacuum<br>(inches of water<br>column) |
|----------------|-----------------|--------------|--------------|-------------|---------------|-----------------------|-----------------------------------------------|------------------------------------------------|
| WA-22R*        | 4/11/2023 13:10 | 26.5         | 18.2         | 8.3         | 47.0          | 79                    | -0.19                                         |                                                |
| WA-23R*        | 4/11/2023 13:13 | 55.6         | 38.9         | 0.1         | 5.4           | 77                    | -3.15                                         |                                                |
| WA-24*         | 4/11/2023 13:55 | 39.4         | 26.8         | 7.1         | 26.7          | 76                    | -9.09                                         |                                                |
| WA-25*         | 4/12/2023 12:50 | 0.1          | 1.8          | 19.8        | 78.3          | 70                    | -0.82                                         |                                                |
| WA-26*         | 4/12/2023 13:03 | 56.1         | 28.5         | 1           | 14.4          | 73                    | -5.24                                         |                                                |
| WA-27*         | 4/12/2023 13:09 | 61           | 37.0         | 0           | 2.0           | 72                    | -27.69                                        |                                                |
| WA-28*         | 4/12/2023 13:19 | 58.3         | 41.7         | 0           | 0.0           | 81                    | -0.84                                         |                                                |
| WA-29*         | 4/12/2023 13:24 | 57.7         | 42.3         | 0           | 0.0           | 83                    | -1.93                                         |                                                |
| WA-4           | 4/11/2023 8:47  | 65.6         | 33.8         | 0           | 0.6           | 58                    | -7.43                                         |                                                |
| WA-5*          | 4/11/2023 9:03  | 29.3         | 17.7         | 12.2        | 40.8          | 58                    | -10.19                                        |                                                |
| WA-6*          | 4/11/2023 8:58  | 59.9         | 37.5         | 0           | 2.6           | 59                    | -6.16                                         |                                                |
| WA-7           | 4/11/2023 12:39 | 60.7         | 38.4         | 0           | 0.9           | 81                    | -8.11                                         |                                                |
| WA-8*          | 4/11/2023 12:34 | 0            | 0.0          | 21.7        | 78.3          | 82                    | -1.85                                         |                                                |
| WA-9*          | 4/11/2023 9:09  | 58.3         | 39.9         | 0.2         | 1.6           | 59                    | -6.1                                          |                                                |
| WB-1*          | 4/13/2023 14:11 | 59.7         | 35.1         | 0           | 5.2           | 69                    | -0.03                                         |                                                |
| WB-10R*        | 4/13/2023 10:30 | 0.8          | 0.5          | 21.8        | 76.9          | 66                    | -1.62                                         |                                                |
| WB-11*         | 4/13/2023 10:26 | 64.4         | 27.5         | 1.1         | 7.0           | 69                    | -0.25                                         |                                                |
| WB-12AR*       | 4/13/2023 10:05 | 59.2         | 37.1         | 0           | 3.7           | 71                    | -0.23                                         |                                                |
| WB-12R*        | 4/13/2023 10:12 | 52.2         | 34.6         | 1.4         | 11.8          | 75                    | -13.81                                        |                                                |
| WB-13R*        | 4/13/2023 9:57  | 54.2         | 35.1         | 0           | 10.7          | 75                    | -0.16                                         |                                                |
| WB-14R*        | 4/13/2023 9:55  | 36.4         | 25.7         | 3.2         | 34.7          | 75                    | -0.34                                         |                                                |
| WB-15R*        | 4/13/2023 9:43  | 53.8         | 36.8         | 0           | 9.4           | 66                    | -0.9                                          |                                                |
| WB-16R*        | 4/13/2023 9:40  | 8.5          | 8.9          | 12.7        | 69.9          | 67                    | -0.71                                         |                                                |
| WB-17R*        | 4/11/2023 13:18 | 24.7         | 25.6         | 1.3         | 48.4          | 79                    | -1.19                                         |                                                |
| WB-2*          | 4/13/2023 13:57 | 0.9          | 0.4          | 21.3        | 77.4          | 68                    | -1.43                                         |                                                |
| WB-3*          | 4/13/2023 13:48 | 4.3          | 0.9          | 21.4        | 73.4          | 73                    | -0.43                                         |                                                |
| WB-4*          | 4/13/2023 13:43 | 66.6         | 22.9         | 0           | 10.5          | 73                    | -0.09                                         |                                                |
| WB-5A*         | 4/13/2023 13:18 | 54.1         | 21.8         | 3           | 21.1          | 80                    | -1.42                                         |                                                |
| WB-5R*         | 4/13/2023 13:13 | 1            | 0.6          | 21.6        | 76.8          | 77                    | -0.07                                         |                                                |
| WB-6*          | 4/13/2023 13:01 | 57.7         | 37.5         | 0           | 4.8           | 81                    | -0.06                                         |                                                |
| WB-6A*         | 4/13/2023 13:05 | 57.5         | 37.7         | 0           | 4.8           | 74                    | -3.46                                         |                                                |
| WB-7*          | 4/13/2023 12:44 | 59.9         | 30.6         | 0.1         | 9.4           | 71                    | -11.8                                         |                                                |
| WB-7A*         | 4/13/2023 12:50 | 1.9          | 3.8          | 18.5        | 75.8          | 71                    | -0.01                                         |                                                |
| WB-8*          | 4/13/2023 12:35 | 20.1         | 11.9         | 14.6        | 53.4          | 80                    | -2.4                                          |                                                |
| WB-9*          | 4/13/2023 10:36 | 48.3         | 23.9         | 4.2         | 23.6          | 69                    | -1.86                                         |                                                |
| WC-1           | 4/17/2023 7:07  | 64.8         | 28.5         | 0           | 6.7           | 52                    | -6.59                                         |                                                |
| WC-2           | 4/17/2023 7:24  | 41.3         | 27.2         | 3.2         | 51.8          | 49                    | -5.43                                         |                                                |
| WC-3           | 4/17/2023 7:34  | 44.5         | 30.2         | 2.5         | 75.7          | 49                    | -5.85                                         |                                                |
| WC-4R          | 4/17/2023 7:41  | 68.6         | 24.8         | 0.8         | 5.8           | 50                    | -5.81                                         |                                                |

\* - Alternative oxygen wellhead limit

\*\* - Alternate temperature wellhead limit

| Permit Well ID | Date/Time       | %CH4 by Vol. | %CO2 by Vol. | %O2 by Vol. | %Bal. by Vol. | Wellhead Temp.<br>° F | Initial Vacuum<br>(inches of water<br>column) | Adjusted Vacuum<br>(inches of water<br>column) |
|----------------|-----------------|--------------|--------------|-------------|---------------|-----------------------|-----------------------------------------------|------------------------------------------------|
| WD-1           | 4/17/2023 8:52  | 64           | 24.4         | 1.7         | 9.9           | 55                    | -39.41                                        |                                                |
| WD-2           | 4/17/2023 8:44  | 41.1         | 26.1         | 3.4         | 35.5          | 57                    | -42.46                                        |                                                |
| WD-3*          | 4/17/2023 8:22  | 63.6         | 31.2         | 0.1         | 5.1           | 56                    | -7.52                                         |                                                |
| WD-4           | 4/17/2023 8:18  | 60           | 35.6         | 0           | 4.4           | 54                    | -8.15                                         |                                                |
| WE-1           | 4/17/2023 9:16  | 62.2         | 24.6         | 1.4         | 11.8          | 56                    | -39.5                                         |                                                |
| WE-1AR         | 4/17/2023 9:08  | 59.1         | 18.2         | 2.4         | 20.3          | 56                    | -24.16                                        |                                                |
| WE-2           | 4/17/2023 9:29  | 54.3         | 31.2         | 0           | 14.5          | 58                    | -3.93                                         |                                                |
| WE-3           | 4/17/2023 9:38  | 60.3         | 27.1         | 2           | 10.6          | 55                    | -5.44                                         |                                                |
| WE-4           | 4/17/2023 10:02 | 54.3         | 34.9         | 0.3         | 10.5          | 58                    | -14.44                                        |                                                |
| WE-5           | 4/17/2023 10:19 | 62           | 35.3         | 0           | 2.7           | 59                    | -5.44                                         |                                                |
| WF-1           | 4/17/2023 10:24 | 60.3         | 34.0         | 0           | 5.7           | 59                    | -4.81                                         |                                                |
| WF-2           | 4/17/2023 8:08  | 20.3         | 11.3         | 4.4         | 53.0          | 53                    | -22.99                                        |                                                |
| WN-10*         | 4/13/2023 7:29  | 56.3         | 38.8         | 0.4         | 4.5           | 52                    | -38.08                                        |                                                |
| WN-11*         | 4/13/2023 7:25  | 61           | 36.5         | 0           | 2.5           | 47                    | -0.39                                         |                                                |
| WN-12R*        | 4/13/2023 7:19  | 55.4         | 38.3         | 0           | 6.3           | 49                    | -0.45                                         |                                                |
| WN-13*         | 4/13/2023 7:12  | 0.3          | 0.6          | 21.4        | 77.7          | 48                    | -0.18                                         |                                                |
| WN-1R*         | 4/13/2023 8:56  | 62           | 33.4         | 0.3         | 4.3           | 56                    | -15.63                                        |                                                |
| WN-2R*         | 4/13/2023 8:50  | 60.8         | 34.6         | 0           | 4.6           | 61                    | -2.44                                         |                                                |
| WN-3R*         | 4/13/2023 8:43  | 1.3          | 0.8          | 22          | 75.9          | 56                    | -30.74                                        |                                                |
| WN-4*          | 4/13/2023 8:38  | 52.4         | 28.8         | 3           | 15.8          | 60                    | -36.09                                        |                                                |
| WN-4A*         | 4/13/2023 8:24  | 65.5         | 31.9         | 0           | 2.6           | 57                    | -35.73                                        |                                                |
| WN-5R*         | 4/13/2023 8:20  | 58.7         | 40.6         | 0           | 0.7           | 57                    | -15.83                                        |                                                |
| WN-6R*         | 4/13/2023 8:11  | 56.4         | 36.9         | 0.8         | 5.9           | 57                    | -5.1                                          |                                                |
| WN-7*          | 4/13/2023 7:57  | 31.1         | 30.4         | 1.3         | 37.2          | 48                    | -0.67                                         |                                                |
| WN-8R*         | 4/13/2023 7:53  | 0.8          | 0.8          | 22.1        | 76.3          | 50                    | -27.01                                        |                                                |
| WN-9R*         | 4/13/2023 7:38  | 1.3          | 1.6          | 21.7        | 75.4          | 49                    | -32.29                                        |                                                |

## CRITTENDEN

| Permit Well ID | Date/Time       | %CH4 by Vol. | %CO2 by Vol. | %O2 by Vol. | %Bal. by Vol. | Wellhead Temp.<br>° F | Initial Vacuum<br>(inches of water<br>column) | Adjusted Vacuum<br>(inches of water<br>column) |
|----------------|-----------------|--------------|--------------|-------------|---------------|-----------------------|-----------------------------------------------|------------------------------------------------|
| CRA-10*        | 4/18/2023 16:25 | 15.8         | 11.7         | 10          | 62.5          | 61                    | -0.22                                         |                                                |
| CRA-11         | 4/18/2023 16:56 | 41.6         | 30.5         | 0           | 27.9          | 62                    | -0.65                                         |                                                |
| CRA-12         | 4/18/2023 16:48 | 45.7         | 29.6         | 0           | 24.7          | 67                    | -0.63                                         |                                                |
| CRA-13*        | 4/18/2023 16:43 | 55.7         | 36           | 0           | 8.3           | 68                    | -0.6                                          |                                                |
| CRA-1R*        | 4/18/2023 15:24 | 55.5         | 35.9         | 0           | 8.6           | 66                    | -0.32                                         |                                                |
| CRA-2R*        | 4/18/2023 15:26 | 45.4         | 32.7         | 3.1         | 18.8          | 67                    | -0.41                                         |                                                |
| CRA-3*         | 4/18/2023 15:37 | 48.2         | 33           | 0           | 18.8          | 66                    | -0.71                                         |                                                |

\* - Alternative oxygen wellhead limit

\*\* - Alternate temperature wellhead limit

| Permit Well ID | Date/Time       | %CH4 by Vol. | %CO2 by Vol. | %O2 by Vol. | %Bal. by Vol. | Wellhead Temp.<br>° F | Initial Vacuum<br>(inches of water<br>column) | Adjusted Vacuum<br>(inches of water<br>column) |
|----------------|-----------------|--------------|--------------|-------------|---------------|-----------------------|-----------------------------------------------|------------------------------------------------|
| CRA-4*         | 4/19/2023 9:47  | 55.3         | 33.2         | 1.4         | 10.1          | 63                    | -0.09                                         |                                                |
| CRA-5R*        | 4/18/2023 15:55 | 42.2         | 29.2         | 0           | 28.6          | 71                    | -0.35                                         |                                                |
| CRA-6*         | 4/18/2023 16:05 | 27.7         | 26.6         | 0           | 45.7          | 61                    | -0.47                                         |                                                |
| CRA-7R*        | 4/18/2023 16:09 | 24.6         | 16.4         | 7           | 52            | 65                    | -0.32                                         |                                                |
| CRA-8*         | 4/18/2023 16:18 | 53.9         | 32.3         | 0           | 13.8          | 60                    | -1.75                                         |                                                |
| CRA-9*         | 4/18/2023 16:22 | 2.6          | 11.7         | 8           | 77.7          | 60                    | -0.56                                         |                                                |
| CRB-1R*        | 4/18/2023 17:13 | 31.7         | 21.8         | 6.8         | 39.7          | 62                    | -1.84                                         |                                                |
| CRB-2R*        | 4/18/2023 17:23 | 37.5         | 30           | 0           | 32.5          | 61                    | -0.71                                         |                                                |
| CRB-3*         | 4/18/2023 17:41 | 39.2         | 29.9         | 0           | 30.9          | 60                    | -0.92                                         |                                                |
| CRB-4R*        | 4/18/2023 17:52 | 28.3         | 22.5         | 2.5         | 46.7          | 59                    | -0.53                                         |                                                |
| CRB-5*         | 4/18/2023 17:59 | 11.7         | 6.4          | 18.4        | 63.5          | 57                    | -0.49                                         |                                                |
| CRB-6*         | 4/18/2023 18:08 | 8.9          | 5.3          | 13.2        | 72.6          | 57                    | -0.02                                         |                                                |
| CRB-7R*        | 4/18/2023 18:20 | 52.7         | 30.9         | 0.6         | 15.8          | 58                    | -1.25                                         |                                                |
| CRB-8*         | 4/18/2023 18:28 | 0.3          | 0.3          | 22.3        | 77.1          | 58                    | -0.95                                         |                                                |
| CRC-1          | 4/18/2023 18:23 | 49.8         | 26.8         | 0.8         | 22.6          | 58                    | -1.69                                         |                                                |
| CRC-2          | 4/18/2023 18:13 | 56.9         | 29.4         | 0           | 13.7          | 58                    | -0.48                                         |                                                |
| CRC-3          | 4/18/2023 17:37 | 55.5         | 33.4         | 0           | 11.1          | 64                    | -0.34                                         |                                                |
| CRC-4          | 4/18/2023 17:19 | 28.8         | 20.5         | 4.9         | 45.8          | 63                    | -2.76                                         |                                                |
| CRD-1*         | 4/19/2023 7:44  | 54           | 28.8         | 0.1         | 17.1          | 53                    | -1.97                                         |                                                |
| CRD-10*        | 4/19/2023 9:36  | 47.9         | 26.7         | 0.1         | 25.3          | 59                    | -1.41                                         |                                                |
| CRD-11*        | 4/19/2023 9:42  | 5            | 1.4          | 22.1        | 71.5          | 58                    | -1.22                                         |                                                |
| CRD-2          | 4/19/2023 7:50  | 53.5         | 30.6         | 0           | 15.9          | 52                    | -1.85                                         |                                                |
| CRD-3*         | 4/19/2023 8:03  | 58.9         | 37.2         | 0           | 3.9           | 51                    | -1.99                                         |                                                |
| CRD-4          | 4/19/2023 8:08  | 59.1         | 32.7         | 0           | 8.2           | 54                    | -2.53                                         |                                                |
| CRD-5*         | 4/19/2023 8:35  | 41.1         | 21           | 7           | 30.9          | 54                    | -2.03                                         |                                                |
| CRD-6          | 4/19/2023 8:49  | 37.1         | 19.3         | 4           | 36.9          | 53                    | -1.78                                         |                                                |
| CRD-7          | 4/19/2023 8:55  | 15           | 12.3         | 4.1         | 74.8          | 53                    | -0.09                                         |                                                |
| CRD-8R*        | 4/19/2023 8:59  | 0.7          | 2.8          | 19.8        | 76.7          | 56                    | -0.8                                          |                                                |
| CRD-9*         | 4/19/2023 9:28  | 1.8          | 3.4          | 20          | 74.8          | 57                    | -1.55                                         |                                                |

## 6ANE

| Permit Well ID | Date/Time       | %CH4 by Vol. | %CO2 by Vol. | %O2 by Vol. | %Bal. by Vol. | Wellhead Temp.<br>° F | Initial Vacuum<br>(inches of water<br>column) | Adjusted Vacuum<br>(inches of water<br>column) |
|----------------|-----------------|--------------|--------------|-------------|---------------|-----------------------|-----------------------------------------------|------------------------------------------------|
| NEA-1*         | 4/19/2023 10:10 | 0.2          | 0.7          | 21.6        | 77.5          | 61                    | -15.44                                        |                                                |
| NEA-10         | 4/19/2023 12:40 | 58.3         | 39.1         | 0           | 2.6           | 67                    | -10.94                                        |                                                |
| NEA-11*        | 4/19/2023 12:51 | 57.8         | 37.9         | 0           | 4.3           | 62                    | -14.93                                        |                                                |
| NEA-12         | 4/19/2023 12:57 | 59.1         | 39.1         | 0           | 1.8           | 69                    | -1.83                                         |                                                |

\* - Alternative oxygen wellhead limit

\*\* - Alternate temperature wellhead limit

| Permit Well ID | Date/Time       | %CH4 by Vol. | %CO2 by Vol. | %O2 by Vol. | %Bal. by Vol. | Wellhead Temp.<br>° F | Initial Vacuum<br>(inches of water<br>column) | Adjusted Vacuum<br>(inches of water<br>column) |
|----------------|-----------------|--------------|--------------|-------------|---------------|-----------------------|-----------------------------------------------|------------------------------------------------|
| NEA-13*        | 4/19/2023 13:04 | 1.1          | 0.5          | 21.8        | 76.6          | 63                    | -32.02                                        |                                                |
| NEA-14         | 4/19/2023 13:30 | 44.6         | 27.3         | 4.8         | 23.3          | 69                    | -42.85                                        |                                                |
| NEA-15*        | 4/19/2023 13:37 | 48.5         | 33.5         | 2.8         | 15.2          | 69                    | -42.59                                        |                                                |
| NEA-16A*       | 4/19/2023 13:47 | 55.6         | 36.8         | 0.8         | 6.8           | 66                    | -42.79                                        |                                                |
| NEA-2R*        | 4/19/2023 10:15 | 50.9         | 23.3         | 5.3         | 20.5          | 63                    | -0.02                                         |                                                |
| NEA-3*         | 4/19/2023 10:20 | 58.5         | 26.3         | 2.1         | 13.1          | 60                    | -5.56                                         |                                                |
| NEA-4*         | 4/19/2023 10:27 | 54.6         | 31.8         | 2.3         | 11.3          | 60                    | -6.4                                          |                                                |
| NEA-5R*        | 4/19/2023 10:39 | 7.9          | 3.7          | 19.4        | 69.0          | 64                    | -0.02                                         |                                                |
| NEA-6*         | 4/19/2023 12:20 | 43.8         | 21.5         | 2.7         | 32.0          | 70                    | -13.59                                        |                                                |
| NEA-7*         | 4/19/2023 12:24 | 58.6         | 39.2         | 0           | 2.2           | 65                    | -3.25                                         |                                                |
| NEA-8* - **    | 4/19/2023 12:29 | 58.7         | 39.9         | 0           | 1.4           | 65                    | -4.02                                         |                                                |
| NEA-9*         | 4/19/2023 12:33 | 58.1         | 39.9         | 0           | 2.0           | 67                    | -0.84                                         |                                                |
| NEB-1*         | 4/20/2023 8:12  | 18.4         | 7.0          | 16.1        | 58.5          | 54                    | -8.11                                         |                                                |
| NEB-10*        | 4/20/2023 9:39  | 58.1         | 40.3         | 0           | 1.6           | 66                    | -0.18                                         |                                                |
| NEB-11*        | 4/20/2023 9:49  | 55.7         | 38.8         | 0           | 5.5           | 67                    | -6.61                                         |                                                |
| NEB-12*        | 4/20/2023 10:02 | 58.2         | 38.6         | 0           | 3.2           | 68                    | -0.13                                         |                                                |
| NEB-13*        | 4/20/2023 10:05 | 54.9         | 38.0         | 0           | 7.1           | 65                    | -0.14                                         |                                                |
| NEB-14R*       | 4/20/2023 10:40 | 19.7         | 25.8         | 0           | 54.5          | 64                    | -0.18                                         |                                                |
| NEB-2*         | 4/20/2023 8:18  | 29.2         | 7.3          | 9.5         | 54.0          | 55                    | -0.73                                         |                                                |
| NEB-3*         | 4/20/2023 8:26  | 52.3         | 31.6         | 0           | 16.1          | 56                    | -0.54                                         |                                                |
| NEB-4*         | 4/20/2023 8:42  | 38.1         | 23.0         | 6.1         | 32.8          | 63                    | -9.03                                         |                                                |
| NEB-5*         | 4/20/2023 8:47  | 46.8         | 27.7         | 0           | 25.5          | 62                    | -0.17                                         |                                                |
| NEB-6*         | 4/20/2023 8:52  | 57.7         | 36.9         | 0           | 5.4           | 64                    | -0.64                                         |                                                |
| NEB-7*         | 4/20/2023 9:05  | 56.3         | 37.6         | 0           | 6.1           | 67                    | -0.25                                         |                                                |
| NEB-8*         | 4/20/2023 9:18  | 59.1         | 38.3         | 0           | 2.6           | 61                    | -0.05                                         |                                                |
| NEB-9          | 4/20/2023 9:35  | 56.3         | 38.8         | 0           | 4.9           | 65                    | -0.02                                         |                                                |
| NEC-1*         | 4/20/2023 12:29 | 35.3         | 25.5         | 7.7         | 31.5          | 73                    | -7.88                                         |                                                |
| NEC-2*         | 4/20/2023 12:38 | 54.4         | 37.5         | 0.3         | 7.8           | 80                    | -0.06                                         |                                                |
| NEC-3*         | 4/20/2023 13:00 | 51.7         | 37.1         | 1.1         | 10.1          | 75                    | -0.12                                         |                                                |
| NED-1R*        | 4/20/2023 13:11 | 48.8         | 35.0         | 0           | 16.2          | 78                    | -0.01                                         |                                                |
| NED-2          | 4/20/2023 13:13 | 51.7         | 36.8         | 0           | 11.5          | 78                    | -1.15                                         |                                                |
| NED-3          | 4/20/2023 13:19 | 67.7         | 26.7         | 0.2         | 5.4           | 73                    | -0.67                                         |                                                |
| NEE-1          | 4/20/2023 13:31 | 59.2         | 36.5         | 0           | 4.3           | 72                    | -11.39                                        |                                                |
| NEE-2R*        | 4/20/2023 13:35 | 63.8         | 33.1         | 0           | 3.1           | 74                    | -30.11                                        |                                                |
| NEE-3*         | 4/20/2023 13:45 | 5.7          | 2.9          | 18.1        | 73.3          | 72                    | -34                                           |                                                |
| NEE-4*         | 4/20/2023 13:51 | 67           | 24.4         | 0           | 8.6           | 70                    | -33.83                                        |                                                |
| NEE-5*         | 4/20/2023 14:06 | 0.9          | 1.0          | 21.4        | 76.7          | 79                    | -31.75                                        |                                                |
| NEE-6*         | 4/20/2023 14:10 | 57.4         | 37.8         | 0           | 4.8           | 76                    | -32.52                                        |                                                |

\* - Alternative oxygen wellhead limit

\*\* - Alternate temperature wellhead limit



CITY OF MOUNTAIN VIEW  
MONTHLY LANDFILL GAS WELL HEAD MONITORING

May 2023

| VISTA          |                |              |              |             |               |                       |                                               |                                                |
|----------------|----------------|--------------|--------------|-------------|---------------|-----------------------|-----------------------------------------------|------------------------------------------------|
| Permit Well ID | Date/Time      | %CH4 by Vol. | %CO2 by Vol. | %O2 by Vol. | %Bal. by Vol. | Wellhead Temp.<br>° F | Initial Vacuum<br>(inches of water<br>column) | Adjusted Vacuum<br>(inches of water<br>column) |
| VA-1A*         | 5/4/2023 8:25  | 62.9         | 36.7         | 0           | 0.4           | 60                    | -1.09                                         |                                                |
| VA-1R*         | 5/4/2023 8:03  | 61.7         | 38.3         | 0           | 0.0           | 51                    | -0.78                                         |                                                |
| VA-2*          | 5/4/2023 8:30  | 58.8         | 26.6         | 2.5         | 12.1          | 56                    | -1                                            |                                                |
| VA-3A*         | 5/4/2023 8:44  | 70.4         | 29.2         | 0           | 0.4           | 56                    | -3.64                                         |                                                |
| VA-3R*         | 5/4/2023 8:35  | 47.1         | 21.6         | 6.8         | 24.5          | 54                    | -13.27                                        |                                                |
| VA-4*          | 5/4/2023 8:50  | 4.4          | 2.0          | 20.9        | 72.7          | 55                    | -7.15                                         |                                                |
| VA-5R          | 5/4/2023 8:58  | 73.1         | 26.9         | 0           | 0.0           | 55                    | -20.12                                        |                                                |
| VA-6           | 5/4/2023 9:09  | 62.9         | 18.3         | 3.8         | 15.0          | 57                    | -41.5                                         |                                                |
| VA-HZ*         | 5/4/2023 8:54  | 0.3          | 2.7          | 17.8        | 79.2          | 55                    | -0.01                                         |                                                |
| VB-1*          | 5/4/2023 9:25  | 19.6         | 9.0          | 15.9        | 55.5          | 60                    | -27.36                                        |                                                |
| VB-2R*         | 5/4/2023 9:33  | 72           | 24.9         | 0           | 3.1           | 60                    | -0.46                                         |                                                |
| VB-3           | 5/4/2023 9:36  | 62.5         | 32.9         | 0.5         | 4.1           | 60                    | -40.84                                        |                                                |
| VB-3A*         | 5/4/2023 9:48  | 18.4         | 8.1          | 15.8        | 57.7          | 61                    | -1.46                                         |                                                |
| VB-4*          | 5/4/2023 9:53  | 59.9         | 37.9         | 0           | 2.2           | 59                    | -32.99                                        |                                                |
| VB-5A*         | 5/4/2023 10:04 | 37.2         | 14.1         | 19.9        | 28.8          | 61                    | -0.11                                         |                                                |
| VB-5R*         | 5/4/2023 9:58  | 64.9         | 32.1         | 0           | 3.0           | 61                    | -0.45                                         |                                                |
| VB-6R*         | 5/4/2023 10:10 | 55.3         | 38.0         | 0           | 6.7           | 61                    | -4.09                                         |                                                |
| VB-7*          | 5/4/2023 10:16 | 57.3         | 34.1         | 1           | 7.6           | 62                    | -8.33                                         |                                                |
| VB-8*          | 5/4/2023 10:31 | 60.9         | 35.3         | 0.2         | 3.6           | 60                    | -2.93                                         |                                                |
| VB-9R          | 5/4/2023 10:20 | 60.2         | 38.1         | 0           | 1.7           | 64                    | -0.56                                         |                                                |
| VC-10          | 5/4/2023 12:38 | 61.3         | 35.7         | 0           | 3.0           | 65                    | -30.11                                        |                                                |
| VC-1R*         | 5/4/2023 10:26 | 0.7          | 0.6          | 22.2        | 76.5          | 62                    | -11.42                                        |                                                |
| VC-2R*         | 5/4/2023 10:36 | 46.9         | 25.6         | 0           | 27.5          | 58                    | -13.8                                         |                                                |
| VC-3*          | 5/4/2023 10:45 | 73.8         | 23.8         | 0           | 2.4           | 57                    | -0.35                                         |                                                |
| VC-4           | 5/4/2023 10:49 | 59.3         | 40.7         | 0           | 0.0           | 59                    | -0.29                                         |                                                |
| VC-5*          | 5/4/2023 10:55 | 46.5         | 19.4         | 6.8         | 27.3          | 58                    | -3.1                                          |                                                |
| VC-6*          | 5/4/2023 10:59 | 66.9         | 22.9         | 1.6         | 8.6           | 58                    | -19.04                                        |                                                |
| VC-7*          | 5/4/2023 12:29 | 0.2          | 0.0          | 22.3        | 77.5          | 64                    | -38.63                                        |                                                |
| VC-8*          | 5/4/2023 12:32 | 77           | 18.4         | 0.2         | 4.4           | 64                    | -0.05                                         |                                                |
| VE-10*         | 5/4/2023 13:39 | 39.1         | 18.0         | 8.2         | 34.7          | 60                    | -0.04                                         |                                                |
| VE-11          | 5/18/2023 8:05 | 58.3         | 33.9         | 0.8         | 7.0           | 62                    | -12.17                                        |                                                |

\* - Alternative oxygen wellhead limit

\*\* - Alternate temperature wellhead limit

| Permit Well ID | Date/Time             | %CH4 by Vol. | %CO2 by Vol. | %O2 by Vol. | %Bal. by Vol. | Wellhead Temp.<br>° F | Initial Vacuum<br>(inches of water<br>column) | Adjusted Vacuum<br>(inches of water<br>column) |
|----------------|-----------------------|--------------|--------------|-------------|---------------|-----------------------|-----------------------------------------------|------------------------------------------------|
| VE-1R*         | 5/4/2023 12:56        | 2.9          | 1.5          | 21.1        | 74.5          | 62                    | -39.86                                        |                                                |
| VE-3           | 5/4/2023 12:50        | 67.9         | 30.5         | 0           | 1.6           | 64                    | -5.74                                         |                                                |
| VE-4R*         | 5/4/2023 13:00        | 62.4         | 31.2         | 0           | 6.4           | 66                    | -6.43                                         |                                                |
| VE-5*          | 5/4/2023 13:04        | 61.4         | 35.0         | 0           | 3.6           | 68                    | -6.93                                         |                                                |
| VE-6*-**       | 5/4/2023 13:09        | 62.1         | 33.2         | 0.4         | 4.3           | 64                    | -0.06                                         |                                                |
| VE-7*          | 5/4/2023 13:13        | 0.7          | 0.5          | 21.9        | 76.9          | 66                    | -0.01                                         |                                                |
| VE-8*          | 5/4/2023 13:22        | 0.9          | 0.6          | 21.8        | 76.7          | 60                    | -41.5                                         |                                                |
| VE-9*-**       | 5/4/2023 13:26        | 0.2          | 0.4          | 21.7        | 77.7          | 60                    | -32.46                                        |                                                |
| VF-1*          | 5/18/2023 8:20        | 18.6         | 16.0         | 4.7         | 60.7          | 60                    | -0.48                                         |                                                |
| VF-10          | 5/18/2023 9:31        | 60.9         | 36.8         | 0           | 2.3           | 62                    | -24.73                                        |                                                |
| VF-11**        | 5/18/2023 9:42        | 56.9         | 39.1         | 0           | 4.0           | 65                    | -35.18                                        |                                                |
| VF-2*          | 5/18/2023 8:28        | 0.1          | 0.3          | 21.7        | 77.9          | 61                    | -41.66                                        |                                                |
| VF-3**         | 5/18/2023 8:32        | 61.5         | 35.8         | 0           | 2.7           | 62                    | -3.39                                         |                                                |
| VF-4*          | 5/18/2023 14:43:00 PM | 25.8         | 21.0         | 1.1         | 52.1          | 73                    | -0.1                                          |                                                |
| VF-5R*         | 5/18/2023 8:40        | 56.6         | 28.9         | 1           | 13.5          | 61                    | -4.53                                         |                                                |
| VF-6           | 5/18/2023 8:46        | 58           | 40.4         | 0           | 1.6           | 61                    | -0.26                                         |                                                |
| VF-7*          | 5/18/2023 8:58        | 0.6          | 0.4          | 21.9        | 77.1          | 63                    | -0.07                                         |                                                |
| VF-7A          | 5/18/2023 8:52        | 62.9         | 36.1         | 0           | 1.0           | 63                    | -0.8                                          |                                                |
| VF-8R*         | 5/18/2023 9:12        | 65.4         | 32.9         | 0           | 1.7           | 66                    | -0.21                                         |                                                |
| VF-9           | 5/18/2023 9:19        | 57.4         | 41.0         | 0           | 1.6           | 66                    | -0.6                                          |                                                |
| VG-1           | 5/18/2023 9:55        | 58.3         | 34.1         | 0.7         | 6.9           | 72                    | -28.72                                        |                                                |
| VG-1A          | 5/18/2023 9:51        | 31.6         | 17.6         | 4.6         | 40.1          | 70                    | -41.91                                        |                                                |
| VG-2R          | 5/18/2023 9:59        | 62.2         | 30.9         | 0.8         | 6.1           | 71                    | -35.85                                        |                                                |
| VG-3**         | 5/18/2023 10:09       | 54.9         | 37.2         | 0.9         | 7.0           | 74                    | -6.14                                         |                                                |
| VG-3AR**       | 5/18/2023 10:04       | 58           | 36.1         | 0.1         | 5.8           | 71                    | -8.11                                         |                                                |
| VG-4**         | 5/18/2023 10:21       | 54.2         | 40.7         | 0.5         | 4.6           | 71                    | -1.57                                         |                                                |
| VG-4A          | 5/18/2023 10:16       | 46.1         | 22.3         | 4.1         | 25.7          | 70                    | -17.57                                        |                                                |
| VG-5           | 5/18/2023 10:25       | 57.2         | 41.1         | 0           | 1.7           | 73                    | -1.05                                         |                                                |
| VG-6           | 5/18/2023 10:30       | 54.9         | 41.6         | 0           | 3.5           | 72                    | -0.4                                          |                                                |
| VH-1           | 5/18/2023 10:46       | 59.1         | 32.6         | 0           | 8.3           | 73                    | -1.62                                         |                                                |
| VH-10**        | 5/18/2023 12:10       | 56.9         | 39.7         | 0           | 3.4           | 73                    | -0.18                                         |                                                |
| VH-11          | 5/18/2023 12:20       | 52.2         | 32.9         | 0.3         | 14.6          | 72                    | -4.01                                         |                                                |
| VH-12          | 5/18/2023 12:14       | 52.6         | 36.6         | 1.6         | 9.2           | 75                    | -1.56                                         |                                                |
| VH-13          | 5/18/2023 12:24       | 55           | 40.5         | 0           | 4.5           | 75                    | -0.09                                         |                                                |
| VH-2           | 5/18/2023 10:41       | 42.5         | 29.2         | 1.4         | 26.9          | 70                    | -0.17                                         |                                                |
| VH-3*          | 5/18/2023 10:50       | 27.5         | 18.8         | 5           | 48.7          | 74                    | -0.21                                         |                                                |
| VH-4**         | 5/18/2023 10:35       | 36.8         | 29.5         | 4.3         | 78.0          | 70                    | -0.19                                         |                                                |
| VH-5**         | 5/18/2023 10:55       | 56.2         | 38.5         | 0           | 5.3           | 75                    | -1.41                                         |                                                |
| VH-6           | 5/18/2023 11:03       | 35.4         | 27.6         | 3.9         | 78.8          | 70                    | -41.64                                        |                                                |

\* - Alternative oxygen wellhead limit

\*\* - Alternate temperature wellhead limit

| Permit Well ID | Date/Time             | %CH4 by Vol. | %CO2 by Vol. | %O2 by Vol. | %Bal. by Vol. | Wellhead Temp.<br>° F | Initial Vacuum<br>(inches of water<br>column) | Adjusted Vacuum<br>(inches of water<br>column) |
|----------------|-----------------------|--------------|--------------|-------------|---------------|-----------------------|-----------------------------------------------|------------------------------------------------|
| VH-7R          | 5/18/2023 11:53       | 50.4         | 31.5         | 2.9         | 15.2          | 77                    | -10.75                                        |                                                |
| VH-8           | 5/18/2023 11:59       | 53.9         | 37.1         | 0           | 9.0           | 73                    | -1.27                                         |                                                |
| VH-9           | 5/18/2023 12:04       | 58.1         | 35.9         | 0           | 6.0           | 75                    | -0.02                                         |                                                |
| VJ-10R*        | 5/18/2023 13:41       | 31.5         | 17.6         | 10          | 40.9          | 75                    | -5.81                                         |                                                |
| VJ-11R*        | 5/18/2023 13:38       | 2.4          | 1.8          | 19.8        | 76.0          | 76                    | -8.78                                         |                                                |
| VJ-1R          | 5/18/2023 12:59       | 41           | 28.6         | 0.7         | 29.7          | 74                    | -15.2                                         |                                                |
| VJ-2R*         | 5/18/2023 14:41:00 PM | 35.1         | 21.0         | 7.3         | 36.6          | 67                    | -11.14                                        |                                                |
| VJ-3R*-**      | 5/18/2023 12:55       | 49.7         | 25.7         | 4.7         | 19.9          | 74                    | -13.87                                        |                                                |
| VJ-4A*-**      | 5/18/2023 13:02       | 0.1          | 0.4          | 20.4        | 79.1          | 75                    | -37.95                                        |                                                |
| VJ-4R*-**      | 5/18/2023 13:06       | 58.7         | 37.2         | 0.7         | 3.4           | 74                    | -4.74                                         |                                                |
| VJ-5R*         | 5/18/2023 13:16       | 57.6         | 42.4         | 0           | 0.0           | 70                    | -4.76                                         |                                                |
| VJ-6R*         | 5/18/2023 13:20       | 62.9         | 37.1         | 0           | 0.0           | 70                    | -1.94                                         |                                                |
| VJ-7R*         | 5/18/2023 13:24       | 58.7         | 41.3         | 0           | 0.0           | 68                    | -3.16                                         |                                                |
| VJ-8*          | 5/18/2023 13:27       | 1            | 1.2          | 20.4        | 77.4          | 70                    | -4.9                                          |                                                |
| VJ-9R*         | 5/18/2023 13:35       | 63.9         | 34.4         | 0           | 1.7           | 72                    | -5.21                                         |                                                |
| VK-1R          | 5/18/2023 13:48       | 61.4         | 36.3         | 0           | 2.3           | 69                    | -39.53                                        |                                                |
| VK-2R          | 5/18/2023 13:52       | 45.5         | 24.4         | 3.5         | 24.1          | 68                    | -0.05                                         |                                                |
| VK-3R*         | 5/18/2023 14:04       | 25.8         | 15.5         | 11.9        | 46.8          | 73                    | -20.27                                        |                                                |
| VK-4*          | 5/18/2023 14:00       | 4.1          | 1.6          | 20          | 74.3          | 73                    | -39.97                                        |                                                |
| VK-5*          | 5/18/2023 13:57       | 10.8         | 5.5          | 17.6        | 66.1          | 73                    | -26.35                                        |                                                |

## FRONT NINE

| Permit Well ID | Date/Time      | %CH4 by Vol. | %CO2 by Vol. | %O2 by Vol. | %Bal. by Vol. | Wellhead Temp.<br>° F | Initial Vacuum<br>(inches of water<br>column) | Adjusted Vacuum<br>(inches of water<br>column) |
|----------------|----------------|--------------|--------------|-------------|---------------|-----------------------|-----------------------------------------------|------------------------------------------------|
| A-16*          | 5/3/2023 13:10 | 0.4          | 0.1          | 22          | 77.5          | 61                    | -0.34                                         |                                                |
| A-5            | 5/3/2023 13:25 | 48.7         | 31.1         | 3.7         | 16.5          | 51                    | -0.36                                         |                                                |
| B-12           | 5/3/2023 12:48 | 39.5         | 26.0         | 4.5         | 27.4          | 62                    | -0.01                                         |                                                |
| B-2*           | 5/3/2023 9:36  | 3.1          | 0.6          | 21          | 75.3          | 61                    | -0.01                                         |                                                |
| B-28*          | 5/3/2023 7:40  | 5.6          | 12.3         | 4.3         | 77.8          | 53                    | -0.48                                         |                                                |
| B-3R*          | 5/3/2023 9:48  | 1.2          | 12.7         | 7.2         | 78.9          | 63                    | -0.01                                         |                                                |
| B-4R*          | 5/3/2023 9:55  | 50.6         | 30.1         | 4.1         | 15.2          | 63                    | -0.01                                         |                                                |
| FHZ-1*         | 5/3/2023 12:27 | 51.8         | 33.3         | 2.3         | 12.6          | 61                    | -0.04                                         |                                                |
| FHZ-2*         | 5/3/2023 12:36 | 59.2         | 40.8         | 0           | 0.0           | 62                    | -0.01                                         |                                                |
| FHZ-3*         | 5/3/2023 12:42 | 6.7          | 21.6         | 1.7         | 70.0          | 60                    | -0.01                                         |                                                |
| FHZ-4*         | 5/3/2023 13:03 | 56.1         | 33.6         | 2.1         | 8.2           | 60                    | -0.01                                         |                                                |
| FHZ-5*         | 5/3/2023 13:19 | 34.7         | 21.6         | 8.8         | 34.9          | 61                    | -0.01                                         |                                                |
| LE-1*          | 5/3/2023 8:04  | 4            | 12.4         | 9.3         | 74.3          | 54                    | -0.04                                         |                                                |

\* - Alternative oxygen wellhead limit

\*\* - Alternate temperature wellhead limit

| Permit Well ID | Date/Time      | %CH4 by Vol. | %CO2 by Vol. | %O2 by Vol. | %Bal. by Vol. | Wellhead Temp.<br>° F | Initial Vacuum<br>(inches of water<br>column) | Adjusted Vacuum<br>(inches of water<br>column) |
|----------------|----------------|--------------|--------------|-------------|---------------|-----------------------|-----------------------------------------------|------------------------------------------------|
| LE-2*          | 5/3/2023 9:20  | 0.2          | 0.7          | 19.8        | 79.3          | 58                    | -0.01                                         |                                                |
| LE-3*          | 5/3/2023 9:29  | 4.4          | 1.2          | 20.5        | 73.9          | 64                    | -0.01                                         |                                                |
| LE-4*          | 5/3/2023 10:05 | 75           | 23.6         | 0           | 1.4           | 65                    | -16.47                                        |                                                |
| Y-1*           | 5/3/2023 7:49  | 0            | 0.1          | 21.9        | 78.0          | 52                    | -2.64                                         |                                                |
| Y-2*           | 5/3/2023 8:52  | 0            | 0.0          | 22.6        | 77.4          | 54                    | -0.01                                         |                                                |
| Y-3*           | 5/3/2023 9:08  | 0            | 1.1          | 20.4        | 78.5          | 61                    | -0.01                                         |                                                |
| Y-4*           | 5/3/2023 9:03  | 0            | 0.5          | 21.4        | 78.1          | 57                    | -0.01                                         |                                                |
| Y-5*           | 5/3/2023 8:24  | 0            | 0.0          | 22.2        | 77.8          | 54                    | -0.32                                         |                                                |
| Y-6*           | 5/3/2023 8:12  | 11.1         | 2.4          | 19.1        | 67.4          | 54                    | -1.97                                         |                                                |

## MICHAELS

| Permit Well ID | Date/Time     | %CH4 by Vol. | %CO2 by Vol. | %O2 by Vol. | %Bal. by Vol. | Wellhead Temp.<br>° F | Initial Vacuum<br>(inches of water<br>column) | Adjusted Vacuum<br>(inches of water<br>column) |
|----------------|---------------|--------------|--------------|-------------|---------------|-----------------------|-----------------------------------------------|------------------------------------------------|
| B-20*          | 5/1/2023 7:01 | 0            | 1.1          | 20.5        | 78.4          | 52                    | -1.25                                         |                                                |
| B-24*          | 5/1/2023 7:06 | 50.3         | 24.9         | 4.9         | 19.9          | 53.0                  | -42.53                                        |                                                |
| MPHZ*          | 5/1/2023 6:52 | 13.1         | 18.1         | 2.8         | 66.0          | 56                    | -0.04                                         |                                                |

## BACK NINE

| Permit Well ID | Date/Time      | %CH4 by Vol. | %CO2 by Vol. | %O2 by Vol. | %Bal. by Vol. | Wellhead Temp.<br>° F | Initial Vacuum<br>(inches of water<br>column) | Adjusted Vacuum<br>(inches of water<br>column) |
|----------------|----------------|--------------|--------------|-------------|---------------|-----------------------|-----------------------------------------------|------------------------------------------------|
| WA-10          | 5/4/2023 9:32  | 57.1         | 34.9         | 0.8         | 7.2           | 60                    | -0.05                                         |                                                |
| WA-11          | 5/4/2023 9:48  | 22.4         | 15.9         | 4.5         | 47.8          | 60                    | -4.61                                         |                                                |
| WA-12R         | 5/4/2023 9:50  | 53.9         | 40.1         | 1           | 5.0           | 59                    | -2.05                                         |                                                |
| WA-13*         | 5/4/2023 9:37  | 60.3         | 37.1         | 0           | 2.6           | 60                    | -22.99                                        |                                                |
| WA-14*         | 5/4/2023 10:01 | 0.1          | 0.2          | 22.3        | 77.4          | 59                    | -4.35                                         |                                                |
| WA-15R*        | 5/4/2023 10:08 | 54.6         | 29.3         | 3.5         | 12.6          | 59                    | -0.01                                         |                                                |
| WA-16*         | 5/4/2023 10:20 | 0.1          | 1.5          | 20.7        | 77.7          | 57                    | -7.93                                         |                                                |
| WA-17          | 5/4/2023 10:14 | 47.2         | 33.3         | 4.3         | 15.2          | 58                    | -16.72                                        |                                                |
| WA-18*         | 5/4/2023 10:25 | 68.1         | 31.9         | 0           | 0.0           | 58                    | -0.09                                         |                                                |
| WA-19*         | 5/4/2023 10:33 | 0.9          | 0.3          | 22.4        | 76.4          | 59                    | -0.19                                         |                                                |
| WA-1R*         | 5/4/2023 8:36  | 56.3         | 40.2         | 0.5         | 3.0           | 60                    | -5.33                                         |                                                |
| WA-2*          | 5/4/2023 8:45  | 62.1         | 32.2         | 0.3         | 5.4           | 56                    | -9.32                                         |                                                |
| WA-20*         | 5/4/2023 10:37 | 39.4         | 25.9         | 7.6         | 27.1          | 58                    | -19.26                                        |                                                |
| WA-21R*        | 5/4/2023 11:35 | 38.3         | 29.7         | 1.1         | 30.9          | 62                    | -8.11                                         |                                                |

\* - Alternative oxygen wellhead limit

\*\* - Alternate temperature wellhead limit

| Permit Well ID | Date/Time      | %CH4 by Vol. | %CO2 by Vol. | %O2 by Vol. | %Bal. by Vol. | Wellhead Temp.<br>° F | Initial Vacuum<br>(inches of water<br>column) | Adjusted Vacuum<br>(inches of water<br>column) |
|----------------|----------------|--------------|--------------|-------------|---------------|-----------------------|-----------------------------------------------|------------------------------------------------|
| WA-22R*        | 5/4/2023 11:40 | 16           | 11.8         | 12.5        | 59.7          | 62                    | -1.57                                         |                                                |
| WA-23R*        | 5/4/2023 11:43 | 54.4         | 37.5         | 0           | 8.1           | 65                    | -4.37                                         |                                                |
| WA-24*         | 5/4/2023 12:00 | 48           | 31.1         | 4.1         | 16.8          | 63                    | -18.26                                        |                                                |
| WA-25*         | 5/4/2023 12:03 | 0.7          | 1.2          | 21.6        | 76.5          | 62                    | -0.29                                         |                                                |
| WA-26*         | 5/4/2023 12:11 | 55.9         | 39.6         | 0.2         | 4.3           | 69                    | -17.86                                        |                                                |
| WA-27*         | 5/4/2023 13:30 | 55.8         | 36.3         | 0.9         | 7.0           | 62                    | -16.11                                        |                                                |
| WA-28*         | 5/4/2023 12:22 | 57.7         | 41.9         | 0           | 0.4           | 69                    | -3.59                                         |                                                |
| WA-29*         | 5/4/2023 12:27 | 56.1         | 43.2         | 0           | 0.7           | 72                    | -2.04                                         |                                                |
| WA-4           | 5/4/2023 8:50  | 66           | 34.0         | 0           | 0.0           | 56                    | -0.27                                         |                                                |
| WA-5*          | 5/4/2023 9:10  | 19.2         | 11.4         | 16.2        | 53.2          | 58                    | -8.78                                         |                                                |
| WA-6*          | 5/4/2023 9:06  | 60.8         | 38.9         | 0           | 0.3           | 58                    | -0.22                                         |                                                |
| WA-7           | 5/4/2023 9:14  | 61.1         | 38.1         | 0           | 0.8           | 58                    | -0.01                                         |                                                |
| WA-8*          | 5/4/2023 9:22  | 8            | 4.2          | 17.8        | 70.0          | 59                    | -35.47                                        |                                                |
| WA-9*          | 5/4/2023 9:26  | 44.7         | 33.3         | 0.2         | 21.8          | 59                    | -5.16                                         |                                                |
| WB-1*          | 5/5/2023 12:05 | 59.1         | 38.8         | 0           | 2.1           | 65                    | -0.99                                         |                                                |
| WB-10R*        | 5/5/2023 10:44 | 58.9         | 32.9         | 0.9         | 7.3           | 73                    | -0.26                                         |                                                |
| WB-11*         | 5/5/2023 10:38 | 57.1         | 25.9         | 3           | 14.0          | 64                    | -0.59                                         |                                                |
| WB-12AR*       | 5/5/2023 9:54  | 57.3         | 39.4         | 0.1         | 3.2           | 61                    | -0.46                                         |                                                |
| WB-12R*        | 5/5/2023 10:03 | 47.1         | 33.3         | 4.2         | 15.4          | 62                    | -14.18                                        |                                                |
| WB-13R*        | 5/5/2023 9:40  | 57.6         | 37.4         | 0           | 5.0           | 63                    | -0.4                                          |                                                |
| WB-14R*        | 5/5/2023 9:38  | 36.4         | 25.7         | 4.8         | 33.1          | 64                    | -0.58                                         |                                                |
| WB-15R*        | 5/5/2023 9:12  | 55.8         | 41.1         | 0           | 3.1           | 65                    | -1.71                                         |                                                |
| WB-16R*        | 5/5/2023 9:09  | 4.4          | 6.2          | 14.4        | 75.0          | 64                    | -1.43                                         |                                                |
| WB-17R*        | 5/4/2023 11:49 | 26.1         | 25.6         | 1.3         | 47.0          | 63                    | -1.84                                         |                                                |
| WB-2*          | 5/5/2023 12:01 | 1.2          | 1.6          | 21.1        | 76.1          | 69                    | -1.13                                         |                                                |
| WB-3*          | 5/5/2023 11:54 | 0.1          | 1.4          | 19.3        | 79.2          | 69                    | -2.09                                         |                                                |
| WB-4*          | 5/5/2023 11:50 | 4.8          | 0.9          | 22.1        | 72.2          | 72                    | -26.42                                        |                                                |
| WB-5A*         | 5/5/2023 11:42 | 53.2         | 22.2         | 4.6         | 20.0          | 69                    | -0.83                                         |                                                |
| WB-5R*         | 5/5/2023 11:35 | 62.2         | 29.4         | 1.7         | 6.7           | 67                    | -14.57                                        |                                                |
| WB-6*          | 5/5/2023 11:16 | 50.6         | 40.4         | 0           | 9.0           | 67                    | -0.48                                         |                                                |
| WB-6A*         | 5/5/2023 11:21 | 50.5         | 39.7         | 0           | 9.8           | 66                    | -1.99                                         |                                                |
| WB-7*          | 5/5/2023 11:06 | 10.5         | 8.5          | 16.1        | 64.9          | 67                    | -30.27                                        |                                                |
| WB-7A*         | 5/5/2023 11:10 | 0.1          | 2.4          | 18.8        | 78.7          | 67                    | -0.01                                         |                                                |
| WB-8*          | 5/5/2023 11:01 | 10.2         | 6.4          | 17.6        | 65.8          | 65                    | -41.95                                        |                                                |
| WB-9*          | 5/5/2023 10:54 | 41.5         | 25.2         | 6.7         | 26.6          | 64                    | -11.33                                        |                                                |
| WC-1           | 5/16/2023 7:08 | 59.2         | 29.6         | 0.8         | 10.4          | 61                    | -39.32                                        |                                                |
| WC-2           | 5/16/2023 7:19 | 38.5         | 24.3         | 4.1         | 77.0          | 58                    | -10.2                                         |                                                |
| WC-3           | 5/16/2023 7:30 | 41.2         | 27.5         | 3.1         | 76.3          | 58                    | -2.3                                          |                                                |
| WC-4R          | 5/16/2023 7:46 | 64           | 27.1         | 1           | 7.9           | 60                    | -3.4                                          |                                                |

\* - Alternative oxygen wellhead limit

\*\* - Alternate temperature wellhead limit

| Permit Well ID | Date/Time       | %CH4 by Vol. | %CO2 by Vol. | %O2 by Vol. | %Bal. by Vol. | Wellhead Temp.<br>° F | Initial Vacuum<br>(inches of water<br>column) | Adjusted Vacuum<br>(inches of water<br>column) |
|----------------|-----------------|--------------|--------------|-------------|---------------|-----------------------|-----------------------------------------------|------------------------------------------------|
| WD-1           | 5/16/2023 9:40  | 59.6         | 26.5         | 2.2         | 11.7          | 63                    | -34.52                                        |                                                |
| WD-2           | 5/16/2023 9:31  | 56           | 16.3         | 4.5         | 22.3          | 70                    | -6.56                                         |                                                |
| WD-3*          | 5/16/2023 9:11  | 54.7         | 22.8         | 4.1         | 18.4          | 63                    | -36.06                                        |                                                |
| WD-4           | 5/16/2023 8:43  | 61.1         | 38.9         | 0           | 0.0           | 61                    | -7.24                                         |                                                |
| WE-1           | 5/16/2023 10:00 | 61.3         | 26.1         | 2.2         | 10.4          | 77                    | -38.36                                        |                                                |
| WE-1AR         | 5/16/2023 9:55  | 62.9         | 26.3         | 0.7         | 10.1          | 73                    | -37.01                                        |                                                |
| WE-2           | 5/16/2023 10:05 | 54.6         | 37.8         | 0           | 7.6           | 75                    | -2.41                                         |                                                |
| WE-3           | 5/16/2023 10:08 | 58.1         | 26.0         | 2           | 13.9          | 70                    | -3.15                                         |                                                |
| WE-4           | 5/16/2023 10:14 | 54.5         | 37.4         | 0.3         | 7.8           | 77                    | -13.65                                        |                                                |
| WE-5           | 5/16/2023 10:19 | 55.5         | 36.9         | 0           | 7.6           | 66                    | -5.17                                         |                                                |
| WF-1           | 5/16/2023 10:24 | 59.6         | 37.7         | 0           | 2.7           | 72                    | -6.92                                         |                                                |
| WF-2           | 5/16/2023 8:32  | 16           | 9.0          | 4.8         | 58.5          | 62                    | -2.16                                         |                                                |
| WN-10*         | 5/4/2023 12:58  | 56.8         | 43.2         | 0           | 0.0           | 62                    | -30.68                                        |                                                |
| WN-11*         | 5/4/2023 12:52  | 59.3         | 39.7         | 0           | 1.0           | 64                    | -24.01                                        |                                                |
| WN-12R*        | 5/4/2023 12:46  | 53           | 40.5         | 0.4         | 6.1           | 62                    | -0.32                                         |                                                |
| WN-13*         | 5/4/2023 12:42  | 3.4          | 2.1          | 21          | 73.5          | 62                    | -0.56                                         |                                                |
| WN-1R*         | 5/5/2023 8:49   | 41.2         | 26.9         | 6.8         | 25.1          | 64                    | -24.03                                        |                                                |
| WN-2R*         | 5/5/2023 8:43   | 61.2         | 35.2         | 0           | 3.6           | 61                    | -0.22                                         |                                                |
| WN-3R*         | 5/5/2023 8:21   | 2.2          | 0.8          | 22          | 75.0          | 55                    | -41.6                                         |                                                |
| WN-4*          | 5/5/2023 8:08   | 60.9         | 33.9         | 0           | 5.2           | 54                    | -29.45                                        |                                                |
| WN-4A*         | 5/5/2023 8:02   | 66.6         | 33.4         | 0           | 0.0           | 54                    | -28.88                                        |                                                |
| WN-5R*         | 5/5/2023 7:52   | 54.2         | 38.7         | 1.4         | 5.7           | 54                    | -16.94                                        |                                                |
| WN-6R*         | 5/5/2023 7:47   | 56.1         | 38.7         | 0.6         | 4.6           | 55                    | -4.66                                         |                                                |
| WN-7*          | 5/4/2023 13:18  | 1.1          | 1.9          | 19.8        | 77.2          | 62                    | -0.02                                         |                                                |
| WN-8R*         | 5/4/2023 13:15  | 57.7         | 33.5         | 1.3         | 7.5           | 61                    | -0.23                                         |                                                |
| WN-9R*         | 5/4/2023 13:00  | 58.3         | 41.7         | 0           | 0.0           | 64                    | -9.62                                         |                                                |

## CRITTENDEN

| Permit Well ID | Date/Time     | %CH4 by Vol. | %CO2 by Vol. | %O2 by Vol. | %Bal. by Vol. | Wellhead Temp.<br>° F | Initial Vacuum<br>(inches of water<br>column) | Adjusted Vacuum<br>(inches of water<br>column) |
|----------------|---------------|--------------|--------------|-------------|---------------|-----------------------|-----------------------------------------------|------------------------------------------------|
| CRA-10*        | 5/3/2023 8:48 | 50           | 30.6         | 0.8         | 18.6          | 61                    | -0.25                                         |                                                |
| CRA-11         | 5/3/2023 9:47 | 60.4         | 37.5         | 0           | 2.1           | 62                    | -0.78                                         |                                                |
| CRA-12         | 5/3/2023 9:40 | 60.6         | 34.7         | 0           | 4.7           | 64                    | -0.82                                         |                                                |
| CRA-13*        | 5/3/2023 9:25 | 58.1         | 37.9         | 0           | 4             | 62                    | -0.82                                         |                                                |
| CRA-1R*        | 5/3/2023 7:56 | 52           | 34.2         | 0           | 13.8          | 52                    | -0.05                                         |                                                |
| CRA-2R*        | 5/3/2023 7:59 | 50           | 38.5         | 0.6         | 10.9          | 52                    | -0.15                                         |                                                |
| CRA-3*         | 5/3/2023 8:06 | 57.1         | 39.6         | 0           | 3.3           | 54                    | -0.63                                         |                                                |

\* - Alternative oxygen wellhead limit

\*\* - Alternate temperature wellhead limit

| Permit Well ID | Date/Time      | %CH4 by Vol. | %CO2 by Vol. | %O2 by Vol. | %Bal. by Vol. | Wellhead Temp.<br>° F | Initial Vacuum<br>(inches of water<br>column) | Adjusted Vacuum<br>(inches of water<br>column) |
|----------------|----------------|--------------|--------------|-------------|---------------|-----------------------|-----------------------------------------------|------------------------------------------------|
| CRA-4*         | 5/3/2023 8:12  | 53.7         | 34.9         | 0.9         | 10.5          | 54                    | -0.73                                         |                                                |
| CRA-5R*        | 5/3/2023 8:20  | 37.6         | 31.1         | 0.1         | 31.2          | 55                    | -0.23                                         |                                                |
| CRA-6*         | 5/3/2023 8:24  | 37.9         | 29.5         | 0           | 32.6          | 55                    | -0.64                                         |                                                |
| CRA-7R*        | 5/3/2023 8:28  | 13.3         | 8.6          | 15.2        | 62.9          | 57                    | -0.43                                         |                                                |
| CRA-8*         | 5/3/2023 8:33  | 55.1         | 33.3         | 0           | 11.6          | 56                    | -0.54                                         |                                                |
| CRA-9*         | 5/3/2023 8:41  | 12.9         | 23           | 4.1         | 60            | 58                    | -0.75                                         |                                                |
| CRB-1R*        | 5/3/2023 9:54  | 41.4         | 24.9         | 6.7         | 27            | 63                    | -2.61                                         |                                                |
| CRB-2R*        | 5/3/2023 10:03 | 48.1         | 31.1         | 0.2         | 20.6          | 62                    | -0.84                                         |                                                |
| CRB-3*         | 5/3/2023 10:09 | 57.2         | 32.1         | 0           | 10.7          | 64                    | -0.68                                         |                                                |
| CRB-4R*        | 5/3/2023 10:16 | 50.3         | 28.3         | 0.2         | 21.2          | 63                    | -0.67                                         |                                                |
| CRB-5*         | 5/3/2023 10:19 | 3.1          | 1.8          | 21.8        | 73.3          | 64                    | -0.54                                         |                                                |
| CRB-6*         | 5/3/2023 10:24 | 54.7         | 25.1         | 0           | 20.2          | 64                    | -0.19                                         |                                                |
| CRB-7R*        | 5/3/2023 10:32 | 58.5         | 34.9         | 0.3         | 6.3           | 67                    | -0.57                                         |                                                |
| CRB-8*         | 5/3/2023 10:39 | 44.3         | 25.4         | 1.9         | 28.4          | 67                    | -0.96                                         |                                                |
| CRC-1          | 5/3/2023 10:36 | 56.9         | 31           | 0.6         | 11.5          | 67                    | -0.85                                         |                                                |
| CRC-2          | 5/3/2023 10:27 | 59.9         | 29.5         | 0           | 10.6          | 65                    | -0.56                                         |                                                |
| CRC-3          | 5/3/2023 10:06 | 61.1         | 34.6         | 0           | 4.3           | 62                    | -0.46                                         |                                                |
| CRC-4          | 5/3/2023 9:58  | 43.4         | 24.4         | 4.4         | 27.8          | 67                    | -0.53                                         |                                                |
| CRD-1*         | 5/3/2023 10:57 | 56.8         | 31.7         | 0           | 11.5          | 68                    | -0.9                                          |                                                |
| CRD-10*        | 5/3/2023 12:21 | 37.7         | 20.7         | 4.6         | 37            | 64                    | -0.29                                         |                                                |
| CRD-11*        | 5/3/2023 12:35 | 30.4         | 22.5         | 6.7         | 40.4          | 67                    | -0.05                                         |                                                |
| CRD-2          | 5/3/2023 11:01 | 60.8         | 33           | 0           | 6.2           | 75                    | -0.79                                         |                                                |
| CRD-3*         | 5/3/2023 11:08 | 58.8         | 37.2         | 0           | 4             | 66                    | -0.86                                         |                                                |
| CRD-4          | 5/3/2023 11:11 | 61.4         | 34.2         | 0           | 4.4           | 63                    | -0.99                                         |                                                |
| CRD-5*         | 5/3/2023 11:19 | 63.4         | 31.7         | 0           | 4.9           | 64                    | -0.02                                         |                                                |
| CRD-6          | 5/3/2023 11:48 | 55.8         | 27.5         | 2.2         | 14.5          | 67                    | -0.86                                         |                                                |
| CRD-7          | 5/3/2023 11:57 | 57.2         | 31.8         | 0           | 11            | 61                    | -0.67                                         |                                                |
| CRD-8R*        | 5/3/2023 12:00 | 57.7         | 32.2         | 0           | 10.1          | 62                    | -0.11                                         |                                                |
| CRD-9*         | 5/3/2023 12:10 | 58           | 31.6         | 1.9         | 8.5           | 63                    | -0.24                                         |                                                |

## 6ANE

| Permit Well ID | Date/Time      | %CH4 by Vol. | %CO2 by Vol. | %O2 by Vol. | %Bal. by Vol. | Wellhead Temp.<br>° F | Initial Vacuum<br>(inches of water<br>column) | Adjusted Vacuum<br>(inches of water<br>column) |
|----------------|----------------|--------------|--------------|-------------|---------------|-----------------------|-----------------------------------------------|------------------------------------------------|
| NEA-1*         | 5/1/2023 13:33 | 29.2         | 18.6         | 10.9        | 41.3          | 74                    | -6.29                                         |                                                |
| NEA-10         | 5/2/2023 7:01  | 58.8         | 41.2         | 0           | 0.0           | 49                    | -8.62                                         |                                                |
| NEA-11*        | 5/2/2023 7:07  | 59.1         | 40.9         | 0           | 0.0           | 49                    | -12.3                                         |                                                |
| NEA-12         | 5/2/2023 7:13  | 58.4         | 41.6         | 0           | 0.0           | 49                    | -0.68                                         |                                                |

\* - Alternative oxygen wellhead limit

\*\* - Alternate temperature wellhead limit

| Permit Well ID | Date/Time      | %CH4 by Vol. | %CO2 by Vol. | %O2 by Vol. | %Bal. by Vol. | Wellhead Temp.<br>° F | Initial Vacuum<br>(inches of water<br>column) | Adjusted Vacuum<br>(inches of water<br>column) |
|----------------|----------------|--------------|--------------|-------------|---------------|-----------------------|-----------------------------------------------|------------------------------------------------|
| NEA-13*        | 5/2/2023 7:18  | 1.4          | 1.8          | 22.5        | 74.3          | 49                    | -30.55                                        |                                                |
| NEA-14         | 5/2/2023 14:43 | 48.5         | 36.5         | 1.5         | 71.9          | 65                    | -37.92                                        |                                                |
| NEA-15*        | 5/2/2023 7:35  | 54.2         | 40.8         | 0.9         | 4.1           | 50                    | -39.55                                        |                                                |
| NEA-16A*       | 5/2/2023 7:41  | 56.9         | 39.5         | 0.7         | 2.9           | 51                    | -39.58                                        |                                                |
| NEA-2R*        | 5/1/2023 13:38 | 8.6          | 2.8          | 18.4        | 70.2          | 69                    | -0.06                                         |                                                |
| NEA-3*         | 5/1/2023 13:42 | 64.8         | 30.7         | 0.5         | 4.0           | 69                    | -1.39                                         |                                                |
| NEA-4*         | 5/1/2023 13:50 | 46.6         | 30.4         | 4.7         | 18.3          | 68                    | -3.68                                         |                                                |
| NEA-5R*        | 5/1/2023 13:54 | 62.8         | 37.2         | 0           | 0.0           | 69                    | -0.25                                         |                                                |
| NEA-6*         | 5/1/2023 14:04 | 42           | 24.4         | 2.6         | 31.0          | 61                    | -10.15                                        |                                                |
| NEA-7*         | 5/1/2023 14:12 | 57.9         | 42.1         | 0           | 0.0           | 64                    | -1.75                                         |                                                |
| NEA-8* - **    | 5/1/2023 14:17 | 57.6         | 42.4         | 0           | 0.0           | 60                    | -3.94                                         |                                                |
| NEA-9*         | 5/2/2023 6:56  | 57.9         | 42.1         | 0           | 0.0           | 51                    | -0.15                                         |                                                |
| NEB-1*         | 5/2/2023 14:09 | 6.2          | 1.6          | 20.1        | 72.1          | 63                    | -6.17                                         |                                                |
| NEB-10*        | 5/2/2023 9:25  | 58.1         | 41.9         | 0           | 0.0           | 56                    | -2.64                                         |                                                |
| NEB-11*        | 5/2/2023 9:33  | 57.2         | 42.8         | 0           | 0.0           | 58                    | -9.93                                         |                                                |
| NEB-12*        | 5/2/2023 9:39  | 58.5         | 41.5         | 0           | 0.0           | 57                    | -2.87                                         |                                                |
| NEB-13*        | 5/2/2023 9:53  | 52.5         | 40.9         | 0           | 6.6           | 58                    | -1.76                                         |                                                |
| NEB-14R*       | 5/2/2023 9:59  | 23.2         | 28.6         | 0           | 48.2          | 60                    | -1.21                                         |                                                |
| NEB-2*         | 5/2/2023 8:02  | 23.8         | 4.4          | 15.5        | 56.3          | 49                    | -27.76                                        |                                                |
| NEB-3*         | 5/2/2023 8:09  | 44.5         | 31.1         | 1.1         | 23.3          | 50                    | -1.14                                         |                                                |
| NEB-4*         | 5/2/2023 8:16  | 33.7         | 16.7         | 10.7        | 38.9          | 51                    | -17.96                                        |                                                |
| NEB-5*         | 5/2/2023 8:26  | 54.1         | 33.0         | 0           | 12.9          | 54                    | -0.56                                         |                                                |
| NEB-6*         | 5/2/2023 8:34  | 58.8         | 41.1         | 0           | 0.1           | 54                    | -2.47                                         |                                                |
| NEB-7*         | 5/2/2023 8:48  | 56.8         | 41.3         | 0           | 1.9           | 52                    | -0.96                                         |                                                |
| NEB-8*         | 5/2/2023 8:53  | 58.2         | 41.8         | 0           | 0.0           | 55                    | -1.42                                         |                                                |
| NEB-9          | 5/2/2023 9:04  | 57.3         | 42.4         | 0           | 0.3           | 55                    | -1.44                                         |                                                |
| NEC-1*         | 5/2/2023 10:20 | 48.7         | 38.5         | 0.8         | 12.0          | 63                    | -12.99                                        |                                                |
| NEC-2*         | 5/2/2023 10:29 | 54.4         | 40.3         | 0.6         | 4.7           | 68                    | -1.04                                         |                                                |
| NEC-3*         | 5/2/2023 10:45 | 28.7         | 26.2         | 7.3         | 37.8          | 64                    | -0.09                                         |                                                |
| NED-1R*        | 5/2/2023 12:26 | 16.5         | 17.0         | 11          | 55.5          | 60                    | -0.28                                         |                                                |
| NED-2          | 5/2/2023 12:30 | 58           | 40.7         | 0           | 1.3           | 60                    | -5.09                                         |                                                |
| NED-3          | 5/2/2023 12:35 | 21.7         | 8.6          | 4.2         | 55.5          | 62                    | -31.15                                        |                                                |
| NEE-1          | 5/2/2023 12:43 | 59           | 41.0         | 0           | 0.0           | 61                    | -18.16                                        |                                                |
| NEE-2R*        | 5/2/2023 12:58 | 19.1         | 13.1         | 14          | 53.8          | 63                    | -37.42                                        |                                                |
| NEE-3*         | 5/2/2023 13:18 | 1.8          | 0.4          | 21.3        | 76.5          | 63                    | -0.14                                         |                                                |
| NEE-4*         | 5/2/2023 13:33 | 71.7         | 27.5         | 0           | 0.8           | 62                    | -37.24                                        |                                                |
| NEE-5*         | 5/2/2023 13:42 | 54.4         | 23.3         | 4.7         | 17.6          | 60                    | -26.95                                        |                                                |
| NEE-6*         | 5/2/2023 13:51 | 58.6         | 41.4         | 0           | 0.0           | 61                    | -37.39                                        |                                                |

\* - Alternative oxygen wellhead limit

\*\* - Alternate temperature wellhead limit



CITY OF MOUNTAIN VIEW  
MONTHLY LANDFILL GAS WELL HEAD MONITORING

June 2023

| VISTA          |                |              |              |             |               |                       |                                               |                                                |
|----------------|----------------|--------------|--------------|-------------|---------------|-----------------------|-----------------------------------------------|------------------------------------------------|
| Permit Well ID | Date/Time      | %CH4 by Vol. | %CO2 by Vol. | %O2 by Vol. | %Bal. by Vol. | Wellhead Temp.<br>° F | Initial Vacuum<br>(inches of water<br>column) | Adjusted Vacuum<br>(inches of water<br>column) |
| VA-1A*         | 6/7/2023 8:08  | 61.8         | 37.1         | 0           | 1.1           | 62                    | -5.42                                         |                                                |
| VA-1R*         | 6/7/2023 8:02  | 60.9         | 39.1         | 0           | 0.0           | 65                    | -0.56                                         |                                                |
| VA-2*          | 6/7/2023 8:17  | 55.8         | 26.6         | 3.3         | 14.3          | 61                    | -1.68                                         |                                                |
| VA-3A*         | 6/7/2023 8:44  | 54.5         | 27.6         | 3.2         | 14.7          | 64                    | -3.83                                         |                                                |
| VA-3R*         | 6/7/2023 8:36  | 12.4         | 4.2          | 18.1        | 65.3          | 63                    | -0.01                                         |                                                |
| VA-4*          | 6/7/2023 8:48  | 49.8         | 20.9         | 6           | 23.3          | 63                    | -1.03                                         |                                                |
| VA-5R          | 6/7/2023 9:05  | 47.5         | 18.5         | 3.2         | 26.8          | 66                    | -41.23                                        |                                                |
| VA-6           | 6/7/2023 9:08  | 67.6         | 20.2         | 1.8         | 10.4          | 63                    | -42.24                                        |                                                |
| VA-HZ*         | 6/7/2023 9:00  | 0.5          | 2.4          | 17.9        | 79.2          | 65                    | -0.01                                         |                                                |
| VB-1*          | 6/7/2023 9:19  | 51.2         | 26.3         | 4           | 18.5          | 64                    | -34.98                                        |                                                |
| VB-2R*         | 6/7/2023 9:24  | 70.1         | 25.3         | 0           | 4.6           | 64                    | -0.39                                         |                                                |
| VB-3           | 6/7/2023 9:28  | 61.7         | 35.3         | 0           | 3.0           | 63                    | -41.63                                        |                                                |
| VB-3A*         | 6/7/2023 9:33  | 25           | 11.0         | 13.9        | 50.1          | 67                    | -0.2                                          |                                                |
| VB-4*          | 6/7/2023 9:38  | 59.8         | 39.5         | 0           | 0.7           | 69                    | -29.03                                        |                                                |
| VB-5A*         | 6/7/2023 10:00 | 16.6         | 6.7          | 21          | 55.7          | 70                    | -0.2                                          |                                                |
| VB-5R*         | 6/7/2023 9:44  | 54.4         | 27.9         | 3.8         | 13.9          | 68                    | -1.64                                         |                                                |
| VB-6R*         | 6/7/2023 10:06 | 43.5         | 31.0         | 5.2         | 20.3          | 70                    | -4.47                                         |                                                |
| VB-7*          | 6/7/2023 10:10 | 56.5         | 36.0         | 1           | 6.5           | 69                    | -7.44                                         |                                                |
| VB-8*          | 6/7/2023 10:33 | 58.5         | 38.2         | 0.1         | 3.2           | 70                    | -1.68                                         |                                                |
| VB-9R          | 6/7/2023 10:15 | 56.1         | 40.9         | 0           | 3.0           | 73                    | -1.04                                         |                                                |
| VC-10          | 6/15/2023 8:00 | 58.7         | 37.0         | 0.1         | 4.2           | 62                    | -31.97                                        |                                                |
| VC-1R*         | 6/7/2023 10:23 | 0            | 0.0          | 22          | 78.0          | 73                    | -1.54                                         |                                                |
| VC-2R*         | 6/7/2023 10:37 | 20.7         | 16.4         | 7.4         | 55.5          | 70                    | -10.84                                        |                                                |
| VC-3*          | 6/7/2023 10:43 | 71.9         | 24.8         | 0           | 3.3           | 68                    | -0.03                                         |                                                |
| VC-4           | 6/7/2023 10:46 | 56.8         | 41.2         | 0           | 2.0           | 69                    | -1.18                                         |                                                |
| VC-5*          | 6/7/2023 10:50 | 49.8         | 22.0         | 4.9         | 23.3          | 69                    | -1.71                                         |                                                |
| VC-6*          | 6/7/2023 10:54 | 73.9         | 23.8         | 0           | 2.3           | 67                    | -4.62                                         |                                                |
| VC-7*          | 6/15/2023 7:44 | 0.1          | 0.0          | 22          | 77.9          | 62                    | -39.41                                        |                                                |
| VC-8*          | 6/15/2023 7:47 | 18.1         | 3.7          | 16.7        | 61.5          | 61                    | -0.63                                         |                                                |
| VE-10*         | 6/15/2023 8:53 | 2            | 6.1          | 13.3        | 78.6          | 70                    | -0.35                                         |                                                |
| VE-11          | 6/15/2023 9:00 | 57.8         | 33.9         | 0           | 8.3           | 68                    | -11.89                                        |                                                |

\* - Alternative oxygen wellhead limit

\*\* - Alternate temperature wellhead limit

| Permit Well ID | Date/Time       | %CH4 by Vol. | %CO2 by Vol. | %O2 by Vol. | %Bal. by Vol. | Wellhead Temp.<br>° F | Initial Vacuum<br>(inches of water<br>column) | Adjusted Vacuum<br>(inches of water<br>column) |
|----------------|-----------------|--------------|--------------|-------------|---------------|-----------------------|-----------------------------------------------|------------------------------------------------|
| VE-1R*         | 6/15/2023 8:24  | 59.1         | 38.3         | 0           | 2.6           | 67                    | -1.08                                         |                                                |
| VE-3           | 6/15/2023 8:10  | 22.1         | 12.2         | 4.5         | 52.8          | 69                    | -33.32                                        |                                                |
| VE-4R*         | 6/15/2023 8:27  | 51.2         | 32.2         | 0           | 16.6          | 68                    | -4.33                                         |                                                |
| VE-5*          | 6/15/2023 8:31  | 50.1         | 32.6         | 0           | 17.3          | 69                    | -6.45                                         |                                                |
| VE-6*-**       | 6/15/2023 8:34  | 56.4         | 31.2         | 0.7         | 11.7          | 74                    | -0.24                                         |                                                |
| VE-7*          | 6/15/2023 8:40  | 0.7          | 0.5          | 21.5        | 77.3          | 71                    | -0.04                                         |                                                |
| VE-8*          | 6/15/2023 8:43  | 25.3         | 25.5         | 0.1         | 49.1          | 68                    | -3.4                                          |                                                |
| VE-9*-**       | 6/15/2023 8:47  | 0.3          | 0.3          | 21.6        | 77.8          | 64                    | -0.01                                         |                                                |
| VF-1*          | 6/15/2023 9:12  | 14.4         | 11.0         | 9.6         | 65.0          | 73                    | -0.35                                         |                                                |
| VF-10          | 6/15/2023 10:01 | 60.1         | 36.4         | 0           | 3.5           | 73                    | -20.38                                        |                                                |
| VF-11**        | 6/15/2023 10:07 | 55.1         | 36.0         | 0           | 8.9           | 71                    | -34.33                                        |                                                |
| VF-2*          | 6/15/2023 9:16  | 1.9          | 1.0          | 20.4        | 76.7          | 69                    | -40.42                                        |                                                |
| VF-3**         | 6/15/2023 9:20  | 60.2         | 35.2         | 0           | 4.6           | 71                    | -2.82                                         |                                                |
| VF-4*          | 6/15/2023 14:30 | 12.1         | 15.2         | 5.3         | 67.4          | 76                    | -0.02                                         |                                                |
| VF-5R*         | 6/15/2023 9:35  | 57.3         | 29.0         | 0.4         | 13.3          | 72                    | -3.92                                         |                                                |
| VF-6           | 6/15/2023 9:38  | 57.3         | 39.2         | 0           | 3.5           | 71                    | -0.2                                          |                                                |
| VF-7*          | 6/15/2023 9:47  | 1.5          | 1.0          | 21          | 76.5          | 77                    | -3.5                                          |                                                |
| VF-7A          | 6/15/2023 9:44  | 62.7         | 35.6         | 0           | 1.7           | 75                    | -0.64                                         |                                                |
| VF-8R*         | 6/15/2023 9:51  | 45.9         | 25.0         | 4.8         | 24.3          | 72                    | -11.36                                        |                                                |
| VF-9           | 6/15/2023 9:54  | 57.3         | 40.5         | 0           | 2.2           | 75                    | -0.46                                         |                                                |
| VG-1           | 6/15/2023 10:18 | 58.5         | 35.1         | 0.4         | 6.0           | 77                    | -25.77                                        |                                                |
| VG-1A          | 6/15/2023 10:15 | 52.8         | 31.4         | 2.3         | 13.5          | 79                    | -38                                           |                                                |
| VG-2R          | 6/15/2023 10:21 | 63           | 30.1         | 0.4         | 6.5           | 77                    | -33.29                                        |                                                |
| VG-3**         | 6/15/2023 10:30 | 54.7         | 35.7         | 0.5         | 9.1           | 73                    | -6.11                                         |                                                |
| VG-3AR**       | 6/15/2023 10:26 | 56           | 32.9         | 1.3         | 9.8           | 76                    | -11.51                                        |                                                |
| VG-4**         | 6/15/2023 10:38 | 54.5         | 39.8         | 0.3         | 5.4           | 73                    | -1.5                                          |                                                |
| VG-4A          | 6/15/2023 10:34 | 24.2         | 22.9         | 1.5         | 51.4          | 73                    | -39.41                                        |                                                |
| VG-5           | 6/15/2023 10:41 | 57.4         | 40.2         | 0           | 2.4           | 76                    | -1.3                                          |                                                |
| VG-6           | 6/15/2023 10:45 | 56.6         | 41.7         | 0           | 1.7           | 75                    | -0.38                                         |                                                |
| VH-1           | 6/15/2023 11:44 | 61.6         | 31.6         | 0           | 6.8           | 76                    | -1.82                                         |                                                |
| VH-10**        | 6/15/2023 12:19 | 58.3         | 38.7         | 0           | 3.0           | 78                    | -0.1                                          |                                                |
| VH-11          | 6/15/2023 12:40 | 54.8         | 32.1         | 0           | 13.1          | 79                    | -3.16                                         |                                                |
| VH-12          | 6/15/2023 12:23 | 53.6         | 35.0         | 1.6         | 9.8           | 81                    | -0.57                                         |                                                |
| VH-13          | 6/15/2023 12:43 | 56.4         | 38.4         | 0           | 5.2           | 82                    | -0.02                                         |                                                |
| VH-2           | 6/15/2023 10:56 | 45.9         | 30.2         | 0           | 23.9          | 73                    | -0.01                                         |                                                |
| VH-3*          | 6/15/2023 11:49 | 37.8         | 21.4         | 3           | 37.8          | 76                    | -0.04                                         |                                                |
| VH-4**         | 6/15/2023 10:49 | 39.2         | 21.3         | 4.1         | 68.8          | 74                    | -0.12                                         |                                                |
| VH-5**         | 6/15/2023 11:53 | 57.3         | 37.1         | 0           | 5.6           | 79                    | -1.25                                         |                                                |
| VH-6           | 6/15/2023 11:59 | 41.5         | 32.1         | 3.8         | 77.7          | 71                    | -40.42                                        |                                                |

\* - Alternative oxygen wellhead limit

\*\* - Alternate temperature wellhead limit

| Permit Well ID | Date/Time       | %CH4 by Vol. | %CO2 by Vol. | %O2 by Vol. | %Bal. by Vol. | Wellhead Temp.<br>° F | Initial Vacuum<br>(inches of water<br>column) | Adjusted Vacuum<br>(inches of water<br>column) |
|----------------|-----------------|--------------|--------------|-------------|---------------|-----------------------|-----------------------------------------------|------------------------------------------------|
| VH-7R          | 6/15/2023 12:03 | 48.3         | 29.2         | 3.6         | 18.9          | 79                    | -9.89                                         |                                                |
| VH-8           | 6/15/2023 12:07 | 56.4         | 35.6         | 0           | 8.0           | 79                    | -1.05                                         |                                                |
| VH-9           | 6/15/2023 12:11 | 59.9         | 34.5         | 0           | 5.6           | 77                    | -0.06                                         |                                                |
| VJ-10R*        | 6/15/2023 13:46 | 34.2         | 17.4         | 9.4         | 39.0          | 80                    | -5.71                                         |                                                |
| VJ-11R*        | 6/15/2023 13:42 | 8.4          | 3.6          | 19.1        | 68.9          | 80                    | -5.73                                         |                                                |
| VJ-1R          | 6/15/2023 13:03 | 41.8         | 25.4         | 2.4         | 30.4          | 81                    | -12.91                                        |                                                |
| VJ-2R*         | 6/15/2023 12:55 | 1            | 0.5          | 21.7        | 76.8          | 86                    | -13.52                                        |                                                |
| VJ-3R*-**      | 6/15/2023 12:59 | 50.2         | 24.2         | 4.4         | 21.2          | 84                    | -13.59                                        |                                                |
| VJ-4A*-**      | 6/15/2023 13:06 | 1.1          | 1.1          | 20.4        | 77.4          | 80                    | -35.46                                        |                                                |
| VJ-4R*-**      | 6/15/2023 13:09 | 59.4         | 34.2         | 0.7         | 5.7           | 82                    | -4.73                                         |                                                |
| VJ-5R*         | 6/15/2023 13:20 | 55.3         | 37.5         | 0.1         | 7.1           | 79                    | -10.15                                        |                                                |
| VJ-6R*         | 6/15/2023 13:25 | 59.3         | 32.3         | 1.2         | 7.2           | 82                    | -2.56                                         |                                                |
| VJ-7R*         | 6/15/2023 13:30 | 42.6         | 28.1         | 5.7         | 23.6          | 78                    | -2.41                                         |                                                |
| VJ-8*          | 6/15/2023 13:35 | 1.9          | 2.9          | 19          | 76.2          | 79                    | -4.63                                         |                                                |
| VJ-9R*         | 6/15/2023 13:38 | 61.8         | 30.8         | 0.5         | 6.9           | 79                    | -1.83                                         |                                                |
| VK-1R          | 6/15/2023 14:04 | 59.5         | 30.4         | 1           | 9.1           | 77                    | -39.41                                        |                                                |
| VK-2R          | 6/15/2023 14:07 | 61.3         | 27.9         | 1.1         | 9.7           | 77                    | -0.03                                         |                                                |
| VK-3R*         | 6/15/2023 14:21 | 21.4         | 11.4         | 14          | 53.2          | 80                    | -7.13                                         |                                                |
| VK-4*          | 6/15/2023 14:16 | 1            | 0.5          | 21.8        | 76.7          | 80                    | -34.9                                         |                                                |
| VK-5*          | 6/15/2023 14:11 | 31.8         | 17.9         | 10.4        | 39.9          | 77                    | -21.78                                        |                                                |

## FRONT NINE

| Permit Well ID | Date/Time       | %CH4 by Vol. | %CO2 by Vol. | %O2 by Vol. | %Bal. by Vol. | Wellhead Temp.<br>° F | Initial Vacuum<br>(inches of water<br>column) | Adjusted Vacuum<br>(inches of water<br>column) |
|----------------|-----------------|--------------|--------------|-------------|---------------|-----------------------|-----------------------------------------------|------------------------------------------------|
| A-16*          | 6/16/2023 10:56 | 0.1          | 0.1          | 21.9        | 77.9          | 73                    | -30.74                                        |                                                |
| A-5            | 6/16/2023 7:09  | 45.2         | 32.1         | 2.3         | 76.8          | 63                    | -0.62                                         |                                                |
| B-12           | 6/16/2023 10:34 | 28.7         | 18.2         | 4.8         | 70.7          | 77                    | -5.34                                         |                                                |
| B-2*           | 6/16/2023 9:04  | 5.7          | 2.1          | 20.6        | 71.6          | 69                    | -0.01                                         |                                                |
| B-28*          | 6/16/2023 7:25  | 5.1          | 17.1         | 0.5         | 77.3          | 62                    | -0.41                                         |                                                |
| B-3R*          | 6/16/2023 9:12  | 0.4          | 0.3          | 21.8        | 77.5          | 68                    | -0.04                                         |                                                |
| B-4R*          | 6/16/2023 9:19  | 32.5         | 21.0         | 4.1         | 57.0          | 64                    | -0.15                                         |                                                |
| FHZ-1*         | 6/16/2023 9:58  | 48.7         | 40.3         | 0           | 11.0          | 74                    | -0.09                                         |                                                |
| FHZ-2*         | 6/16/2023 10:29 | 49.2         | 41.0         | 0           | 9.8           | 78                    | -0.52                                         |                                                |
| FHZ-3*         | 6/16/2023 10:07 | 0.9          | 11.5         | 9           | 78.6          | 72                    | -0.02                                         |                                                |
| FHZ-4*         | 6/16/2023 10:48 | 8.7          | 13.4         | 9.3         | 68.6          | 83                    | -0.32                                         |                                                |
| FHZ-5*         | 6/16/2023 11:05 | 13.6         | 18.0         | 5.7         | 62.7          | 75                    | -0.18                                         |                                                |
| LE-1*          | 6/16/2023 7:50  | 0            | 11.5         | 8.2         | 80.3          | 62                    | -1.05                                         |                                                |

\* - Alternative oxygen wellhead limit

\*\* - Alternate temperature wellhead limit

| Permit Well ID | Date/Time      | %CH4 by Vol. | %CO2 by Vol. | %O2 by Vol. | %Bal. by Vol. | Wellhead Temp.<br>° F | Initial Vacuum<br>(inches of water<br>column) | Adjusted Vacuum<br>(inches of water<br>column) |
|----------------|----------------|--------------|--------------|-------------|---------------|-----------------------|-----------------------------------------------|------------------------------------------------|
| LE-2*          | 6/16/2023 8:41 | 1.7          | 4.4          | 15.1        | 78.8          | 65                    | -0.1                                          |                                                |
| LE-3*          | 6/16/2023 8:59 | 5.2          | 2.1          | 20.4        | 72.3          | 66                    | -0.3                                          |                                                |
| LE-4*          | 6/16/2023 9:40 | 16.2         | 6.5          | 15.8        | 61.5          | 68                    | -41.58                                        |                                                |
| Y-1*           | 6/16/2023 7:28 | 0            | 0.4          | 21.7        | 77.9          | 62                    | -0.76                                         |                                                |
| Y-2*           | 6/16/2023 8:15 | 0            | 1.0          | 20.6        | 78.4          | 64                    | -0.32                                         |                                                |
| Y-3*           | 6/16/2023 8:27 | 0            | 5.4          | 16.6        | 78.0          | 64                    | -0.01                                         |                                                |
| Y-4*           | 6/16/2023 8:24 | 0            | 0.7          | 20.9        | 78.4          | 64                    | -0.01                                         |                                                |
| Y-5*           | 6/16/2023 8:00 | 0            | 0.0          | 22.5        | 77.5          | 63                    | -0.23                                         |                                                |
| Y-6*           | 6/16/2023 7:54 | 0            | 0.1          | 22.4        | 77.5          | 62                    | -1.72                                         |                                                |

## MICHAELS

| Permit Well ID | Date/Time     | %CH4 by Vol. | %CO2 by Vol. | %O2 by Vol. | %Bal. by Vol. | Wellhead Temp.<br>° F | Initial Vacuum<br>(inches of water<br>column) | Adjusted Vacuum<br>(inches of water<br>column) |
|----------------|---------------|--------------|--------------|-------------|---------------|-----------------------|-----------------------------------------------|------------------------------------------------|
| B-20*          | 6/1/2023 6:57 | 0            | 0.0          | 22.5        | 77.5          | 53                    | -1.24                                         |                                                |
| B-24*          | 6/1/2023 7:01 | 12.8         | 7.0          | 17.1        | 63.1          | 52.0                  | -41.51                                        |                                                |
| MPHZ*          | 6/1/2023 6:50 | 11.1         | 18.0         | 3           | 67.9          | 57                    | -0.02                                         |                                                |

## BACK NINE

| Permit Well ID | Date/Time       | %CH4 by Vol. | %CO2 by Vol. | %O2 by Vol. | %Bal. by Vol. | Wellhead Temp.<br>° F | Initial Vacuum<br>(inches of water<br>column) | Adjusted Vacuum<br>(inches of water<br>column) |
|----------------|-----------------|--------------|--------------|-------------|---------------|-----------------------|-----------------------------------------------|------------------------------------------------|
| WA-10          | 6/26/2023 7:47  | 59.6         | 35.8         | 0.3         | 4.3           | 61                    | -0.53                                         |                                                |
| WA-11          | 6/26/2023 8:05  | 49.3         | 32.4         | 3.3         | 15.0          | 65                    | -4.02                                         |                                                |
| WA-12R         | 6/26/2023 8:04  | 51.9         | 35.9         | 1.9         | 10.3          | 61                    | -1.88                                         |                                                |
| WA-13*         | 6/26/2023 7:55  | 57.1         | 33.0         | 0.4         | 9.5           | 62                    | -16.15                                        |                                                |
| WA-14*         | 6/26/2023 8:21  | 0.5          | 0.5          | 21.9        | 77.1          | 62                    | -5.59                                         |                                                |
| WA-15R*        | 6/26/2023 8:32  | 40.8         | 18.2         | 8.7         | 32.3          | 62                    | -0.08                                         |                                                |
| WA-16*         | 6/26/2023 8:46  | 6.1          | 11.1         | 11.2        | 71.6          | 65                    | -3.64                                         |                                                |
| WA-17          | 6/26/2023 14:21 | 52.3         | 33.7         | 2.2         | 11.8          | 72                    | -36.6                                         |                                                |
| WA-18*         | 6/26/2023 9:05  | 33.2         | 15.1         | 10.8        | 40.9          | 65                    | -10.08                                        |                                                |
| WA-19*         | 6/26/2023 9:20  | 2.4          | 1.1          | 21.2        | 75.3          | 65                    | -0.05                                         |                                                |
| WA-1R*         | 6/26/2023 7:01  | 19.7         | 14.2         | 14.7        | 51.4          | 59                    | -3.86                                         |                                                |
| WA-2*          | 6/26/2023 7:07  | 65.3         | 30.3         | 0           | 4.4           | 55                    | -8.39                                         |                                                |
| WA-20*         | 6/26/2023 9:23  | 47.7         | 31.0         | 4           | 17.3          | 70                    | -17.54                                        |                                                |
| WA-21R*        | 6/26/2023 9:32  | 20.9         | 20.8         | 5.3         | 53.0          | 69                    | -2.37                                         |                                                |

\* - Alternative oxygen wellhead limit

\*\* - Alternate temperature wellhead limit

| Permit Well ID | Date/Time       | %CH4 by Vol. | %CO2 by Vol. | %O2 by Vol. | %Bal. by Vol. | Wellhead Temp.<br>° F | Initial Vacuum<br>(inches of water<br>column) | Adjusted Vacuum<br>(inches of water<br>column) |
|----------------|-----------------|--------------|--------------|-------------|---------------|-----------------------|-----------------------------------------------|------------------------------------------------|
| WA-22R*        | 6/26/2023 9:49  | 43.6         | 23.2         | 4.4         | 28.8          | 71                    | -0.48                                         |                                                |
| WA-23R*        | 6/26/2023 9:52  | 54.7         | 34.2         | 0.4         | 10.7          | 71                    | -3.34                                         |                                                |
| WA-24*         | 6/26/2023 10:19 | 52.5         | 30.8         | 3           | 13.7          | 70                    | -6.32                                         |                                                |
| WA-25*         | 6/26/2023 10:23 | 0.6          | 0.4          | 21.9        | 77.1          | 69                    | -0.03                                         |                                                |
| WA-26*         | 6/26/2023 10:33 | 51.6         | 32.9         | 2.4         | 13.1          | 71                    | -16.55                                        |                                                |
| WA-27*         | 6/26/2023 10:37 | 54.3         | 31.3         | 2.2         | 12.2          | 69                    | -19.32                                        |                                                |
| WA-28*         | 6/26/2023 10:41 | 57.7         | 38.8         | 0           | 3.5           | 70                    | -2.81                                         |                                                |
| WA-29*         | 6/26/2023 10:43 | 56.7         | 39.3         | 0           | 4.0           | 75                    | -1.2                                          |                                                |
| WA-4           | 6/26/2023 7:15  | 58.2         | 28.5         | 2.3         | 11.0          | 57                    | -5.65                                         |                                                |
| WA-5*          | 6/26/2023 7:32  | 42.7         | 23.4         | 8.3         | 25.6          | 59                    | -4.31                                         |                                                |
| WA-6*          | 6/26/2023 7:28  | 55.8         | 36.4         | 0           | 7.8           | 57                    | -0.39                                         |                                                |
| WA-7           | 6/26/2023 7:35  | 61           | 36.5         | 0           | 2.5           | 58                    | -26.02                                        |                                                |
| WA-8*          | 6/26/2023 7:41  | 3.5          | 6.4          | 16.2        | 73.9          | 59                    | -0.04                                         |                                                |
| WA-9*          | 6/26/2023 7:43  | 55.2         | 36.2         | 0.3         | 8.3           | 58                    | -4.17                                         |                                                |
| WB-1*          | 6/26/2023 10:31 | 61.5         | 38.5         | 0           | 0.0           | 75                    | -0.66                                         |                                                |
| WB-10R*        | 6/26/2023 8:33  | 64.3         | 35.7         | 0           | 0.0           | 64                    | -0.61                                         |                                                |
| WB-11*         | 6/26/2023 8:25  | 63.4         | 27.6         | 1.6         | 7.4           | 63                    | -0.02                                         |                                                |
| WB-12AR*       | 6/26/2023 8:04  | 58.5         | 41.5         | 0           | 0.0           | 63                    | -0.31                                         |                                                |
| WB-12R*        | 6/26/2023 8:11  | 22.3         | 17.1         | 13          | 47.6          | 65                    | -32.32                                        |                                                |
| WB-13R*        | 6/26/2023 7:58  | 59.4         | 40.6         | 0           | 0.0           | 65                    | -0.08                                         |                                                |
| WB-14R*        | 6/26/2023 7:56  | 55.8         | 34.0         | 0.1         | 10.1          | 64                    | -0.22                                         |                                                |
| WB-15R*        | 6/26/2023 7:11  | 56.5         | 40.6         | 0           | 2.9           | 61                    | -0.37                                         |                                                |
| WB-16R*        | 6/26/2023 7:09  | 0.1          | 0.2          | 21          | 78.7          | 63                    | -0.42                                         |                                                |
| WB-17R*        | 6/26/2023 9:57  | 21.9         | 24.7         | 0.9         | 52.5          | 67                    | -0.99                                         |                                                |
| WB-2*          | 6/26/2023 10:23 | 0.1          | 0.4          | 20.5        | 79.0          | 75                    | -0.02                                         |                                                |
| WB-3*          | 6/26/2023 10:06 | 0            | 0.1          | 21.4        | 78.5          | 73                    | -5.42                                         |                                                |
| WB-4*          | 6/26/2023 9:53  | 0.1          | 0.1          | 21.5        | 78.3          | 70                    | -32.91                                        |                                                |
| WB-5A*         | 6/26/2023 9:40  | 1            | 0.2          | 21.2        | 77.6          | 73                    | -1.13                                         |                                                |
| WB-5R*         | 6/26/2023 9:24  | 65.7         | 27.7         | 0.7         | 5.9           | 72                    | -8.54                                         |                                                |
| WB-6*          | 6/26/2023 9:14  | 54           | 40.1         | 0           | 5.9           | 72                    | -0.49                                         |                                                |
| WB-6A*         | 6/26/2023 9:19  | 50.9         | 38.9         | 0           | 10.2          | 32                    | -2.6                                          |                                                |
| WB-7*          | 6/26/2023 9:04  | 63.1         | 33.1         | 0.4         | 3.4           | 70                    | -0.76                                         |                                                |
| WB-7A*         | 6/26/2023 9:10  | 0.3          | 4.1          | 17.8        | 77.8          | 70                    | -0.64                                         |                                                |
| WB-8*          | 6/26/2023 8:58  | 46.8         | 28.2         | 4.9         | 20.1          | 66                    | -41.07                                        |                                                |
| WB-9*          | 6/26/2023 8:48  | 58.4         | 26.3         | 2.8         | 12.5          | 65                    | -2.94                                         |                                                |
| WC-1           | 6/26/2023 13:25 | 67.9         | 32.0         | 0           | 0.1           | 75                    | -1.8                                          |                                                |
| WC-2           | 6/26/2023 13:14 | 26.6         | 15.4         | 4.8         | 48.1          | 77                    | -0.16                                         |                                                |
| WC-3           | 6/26/2023 13:07 | 47.1         | 0.0          | 4.5         | 46.5          | 74                    | -0.26                                         |                                                |
| WC-4R          | 6/26/2023 12:59 | 62.4         | 26.0         | 1.8         | 9.8           | 76                    | -0.2                                          |                                                |

\* - Alternative oxygen wellhead limit

\*\* - Alternate temperature wellhead limit

| Permit Well ID | Date/Time       | %CH4 by Vol. | %CO2 by Vol. | %O2 by Vol. | %Bal. by Vol. | Wellhead Temp.<br>° F | Initial Vacuum<br>(inches of water<br>column) | Adjusted Vacuum<br>(inches of water<br>column) |
|----------------|-----------------|--------------|--------------|-------------|---------------|-----------------------|-----------------------------------------------|------------------------------------------------|
| WD-1           | 6/26/2023 14:12 | 62           | 30.8         | 0.8         | 6.4           | 71                    | -25.4                                         |                                                |
| WD-2           | 6/26/2023 14:07 | 57.9         | 18.0         | 3.9         | 20.2          | 74                    | -5.27                                         |                                                |
| WD-3*          | 6/26/2023 13:57 | 0.3          | 0.2          | 21.3        | 78.2          | 76                    | -22.42                                        |                                                |
| WD-4           | 6/26/2023 13:50 | 59.8         | 40.2         | 0           | 0.0           | 77                    | -6.83                                         |                                                |
| WE-1           | 6/26/2023 14:22 | 60.6         | 29.1         | 1.7         | 8.6           | 74                    | -36.89                                        |                                                |
| WE-1AR         | 6/26/2023 14:18 | 59.6         | 25.5         | 2.6         | 12.3          | 77                    | -35.54                                        |                                                |
| WE-2           | 6/26/2023 14:27 | 56.6         | 43.4         | 0           | 0.0           | 72                    | -1.74                                         |                                                |
| WE-3           | 6/26/2023 14:32 | 62.1         | 23.0         | 2.7         | 12.2          | 78                    | -2.96                                         |                                                |
| WE-4           | 6/26/2023 14:39 | 58.8         | 41.2         | 0           | 0.0           | 77                    | -14.43                                        |                                                |
| WE-5           | 6/26/2023 14:43 | 59.1         | 40.5         | 0           | 0.4           | 77                    | -4.73                                         |                                                |
| WF-1           | 6/26/2023 14:47 | 58.1         | 39.3         | 0           | 2.6           | 77                    | -3.61                                         |                                                |
| WF-2           | 6/26/2023 13:38 | 51.7         | 33.2         | 2.1         | 13.0          | 75                    | -0.11                                         |                                                |
| WN-10*         | 6/26/2023 12:37 | 9.7          | 4.2          | 20.6        | 65.5          | 80                    | -42.24                                        |                                                |
| WN-11*         | 6/26/2023 12:27 | 0.5          | 6.4          | 9.9         | 83.2          | 73                    | -14.39                                        |                                                |
| WN-12R*        | 6/26/2023 12:23 | 50.7         | 35.3         | 1.8         | 12.2          | 74                    | -0.91                                         |                                                |
| WN-13*         | 6/26/2023 12:19 | 0.7          | 3.7          | 18.4        | 77.2          | 78                    | -0.19                                         |                                                |
| WN-1R*         | 6/26/2023 13:38 | 53.6         | 31.7         | 1.7         | 13.0          | 81                    | -7.9                                          |                                                |
| WN-2R*         | 6/26/2023 13:32 | 44.4         | 21.2         | 7.2         | 27.2          | 78                    | -8.62                                         |                                                |
| WN-3R*         | 6/26/2023 13:26 | 60.9         | 27.6         | 1.4         | 10.1          | 81                    | -28.51                                        |                                                |
| WN-4*          | 6/26/2023 13:21 | 61.2         | 31.2         | 0.4         | 7.2           | 80                    | -39.36                                        |                                                |
| WN-4A*         | 6/26/2023 13:16 | 64           | 30.3         | 0.1         | 5.6           | 80                    | -39.41                                        |                                                |
| WN-5R*         | 6/26/2023 13:04 | 56.8         | 38.8         | 0.1         | 4.3           | 80                    | -18.24                                        |                                                |
| WN-6R*         | 6/26/2023 13:00 | 56.7         | 38.2         | 0.2         | 4.9           | 72                    | -7.45                                         |                                                |
| WN-7*          | 6/26/2023 12:56 | 8            | 11.9         | 15.3        | 64.8          | 76                    | -0.01                                         |                                                |
| WN-8R*         | 6/26/2023 12:52 | 51.5         | 28.3         | 3.3         | 16.9          | 73                    | -0.38                                         |                                                |
| WN-9R*         | 6/26/2023 12:35 | 46.8         | 35.5         | 0.4         | 17.3          | 71                    | -10.08                                        |                                                |

## CRITTENDEN

| Permit Well ID | Date/Time      | %CH4 by Vol. | %CO2 by Vol. | %O2 by Vol. | %Bal. by Vol. | Wellhead Temp.<br>° F | Initial Vacuum<br>(inches of water<br>column) | Adjusted Vacuum<br>(inches of water<br>column) |
|----------------|----------------|--------------|--------------|-------------|---------------|-----------------------|-----------------------------------------------|------------------------------------------------|
| CRA-10*        | 6/19/2023 8:52 | 3.7          | 2            | 21.1        | 73.2          | 68                    | -1.38                                         |                                                |
| CRA-11         | 6/19/2023 9:18 | 58.7         | 41.3         | 0           | 0             | 66                    | -2.37                                         |                                                |
| CRA-12         | 6/19/2023 9:10 | 56.5         | 39.4         | 0           | 4.1           | 67                    | -2.43                                         |                                                |
| CRA-13*        | 6/19/2023 9:06 | 57.7         | 41.6         | 0.1         | 0.6           | 65                    | -2.41                                         |                                                |
| CRA-1R*        | 6/19/2023 8:06 | 59           | 41           | 0           | 0             | 60                    | -1.83                                         |                                                |
| CRA-2R*        | 6/19/2023 8:10 | 9.5          | 27.2         | 4.1         | 59.2          | 61                    | -1.12                                         |                                                |
| CRA-3*         | 6/19/2023 8:15 | 58.1         | 41.9         | 0           | 0             | 61                    | -2.55                                         |                                                |

\* - Alternative oxygen wellhead limit

\*\* - Alternate temperature wellhead limit

| Permit Well ID | Date/Time       | %CH4 by Vol. | %CO2 by Vol. | %O2 by Vol. | %Bal. by Vol. | Wellhead Temp.<br>° F | Initial Vacuum<br>(inches of water<br>column) | Adjusted Vacuum<br>(inches of water<br>column) |
|----------------|-----------------|--------------|--------------|-------------|---------------|-----------------------|-----------------------------------------------|------------------------------------------------|
| CRA-4*         | 6/19/2023 8:19  | 34.5         | 26           | 8           | 31.5          | 64                    | -2.68                                         |                                                |
| CRA-5R*        | 6/19/2023 8:33  | 44.7         | 34.4         | 1.3         | 19.6          | 63                    | -2.21                                         |                                                |
| CRA-6*         | 6/19/2023 8:37  | 56.8         | 39           | 0.6         | 3.6           | 67                    | -2.28                                         |                                                |
| CRA-7R*        | 6/19/2023 8:40  | 4            | 4.5          | 19.3        | 72.2          | 65                    | -2.11                                         |                                                |
| CRA-8*         | 6/19/2023 8:44  | 53.7         | 37.4         | 0           | 8.9           | 66                    | -2.26                                         |                                                |
| CRA-9*         | 6/19/2023 8:48  | 35.5         | 28.8         | 6.4         | 29.3          | 68                    | -1.15                                         |                                                |
| CRB-1R*        | 6/19/2023 9:29  | 43           | 30.4         | 6.4         | 20.2          | 67                    | -2.24                                         |                                                |
| CRB-2R*        | 6/19/2023 9:39  | 55.5         | 40.3         | 0.1         | 4.1           | 71                    | -2.34                                         |                                                |
| CRB-3*         | 6/19/2023 9:50  | 58.8         | 40.2         | 0           | 1             | 74                    | -1.89                                         |                                                |
| CRB-4R*        | 6/19/2023 9:53  | 50.2         | 37.4         | 0.8         | 11.6          | 73                    | -1.77                                         |                                                |
| CRB-5*         | 6/19/2023 9:57  | 0.7          | 0.7          | 21.8        | 76.8          | 71                    | -1.64                                         |                                                |
| CRB-6*         | 6/19/2023 10:00 | 51.3         | 33.3         | 0           | 15.4          | 72                    | -0.61                                         |                                                |
| CRB-7R*        | 6/19/2023 10:06 | 59.2         | 37.7         | 0.3         | 2.8           | 71                    | -2.31                                         |                                                |
| CRB-8*         | 6/19/2023 10:16 | 12.9         | 13           | 12.1        | 62            | 80                    | -2.41                                         |                                                |
| CRC-1          | 6/19/2023 10:13 | 52           | 29.2         | 2.7         | 16.1          | 70                    | -2.24                                         |                                                |
| CRC-2          | 6/19/2023 10:03 | 62.8         | 31.8         | 0           | 5.4           | 77                    | -1.72                                         |                                                |
| CRC-3          | 6/19/2023 9:45  | 58.1         | 37.2         | 0.2         | 4.5           | 75                    | -1.71                                         |                                                |
| CRC-4          | 6/19/2023 13:18 | 44           | 31.2         | 4.9         | 19.9          | 79                    | -2.01                                         |                                                |
| CRD-1*         | 6/19/2023 10:41 | 56.5         | 39.4         | 0           | 4.1           | 68                    | -2.44                                         |                                                |
| CRD-10*        | 6/19/2023 12:21 | 60.1         | 28.9         | 0           | 11            | 76                    | -2.18                                         |                                                |
| CRD-11*        | 6/19/2023 12:35 | 0.1          | 0            | 22.7        | 77.2          | 78                    | -1.21                                         |                                                |
| CRD-2          | 6/19/2023 10:45 | 55.9         | 34.8         | 0.1         | 9.2           | 74                    | -2.24                                         |                                                |
| CRD-3*         | 6/19/2023 11:21 | 50.4         | 33.7         | 0           | 15.9          | 74                    | -2.47                                         |                                                |
| CRD-4          | 6/19/2023 11:29 | 57.5         | 34.9         | 0           | 7.6           | 75                    | -1.78                                         |                                                |
| CRD-5*         | 6/19/2023 11:35 | 6.1          | 5            | 17.3        | 71.6          | 71                    | -0.94                                         |                                                |
| CRD-6          | 6/19/2023 11:41 | 46.9         | 27.4         | 4.9         | 20.8          | 76                    | -2.33                                         |                                                |
| CRD-7          | 6/19/2023 11:54 | 15.3         | 12.1         | 4.8         | 78.1          | 78                    | -0.12                                         |                                                |
| CRD-8R*        | 6/19/2023 11:58 | 18.8         | 13.9         | 11.5        | 55.8          | 75                    | -0.64                                         |                                                |
| CRD-9*         | 6/19/2023 12:17 | 12           | 4.4          | 21.1        | 62.5          | 76                    | -0.19                                         |                                                |

## 6ANE

| Permit Well ID | Date/Time      | %CH4 by Vol. | %CO2 by Vol. | %O2 by Vol. | %Bal. by Vol. | Wellhead Temp.<br>° F | Initial Vacuum<br>(inches of water<br>column) | Adjusted Vacuum<br>(inches of water<br>column) |
|----------------|----------------|--------------|--------------|-------------|---------------|-----------------------|-----------------------------------------------|------------------------------------------------|
| NEA-1*         | 6/1/2023 14:13 | 0            | 0.1          | 21.4        | 78.5          | 88                    | -27.3                                         |                                                |
| NEA-10         | 6/1/2023 15:25 | 56.7         | 43.3         | 0           | 0.0           | 73                    | -7.42                                         |                                                |
| NEA-11*        | 6/1/2023 15:29 | 56.9         | 43.1         | 0           | 0.0           | 76                    | -10.87                                        |                                                |
| NEA-12         | 6/1/2023 15:36 | 56.7         | 43.3         | 0           | 0.0           | 74                    | -0.52                                         |                                                |

\* - Alternative oxygen wellhead limit

\*\* - Alternate temperature wellhead limit

| Permit Well ID | Date/Time      | %CH4 by Vol. | %CO2 by Vol. | %O2 by Vol. | %Bal. by Vol. | Wellhead Temp.<br>° F | Initial Vacuum<br>(inches of water<br>column) | Adjusted Vacuum<br>(inches of water<br>column) |
|----------------|----------------|--------------|--------------|-------------|---------------|-----------------------|-----------------------------------------------|------------------------------------------------|
| NEA-13*        | 6/1/2023 15:41 | 0.1          | 0.1          | 22          | 77.8          | 75                    | -18.89                                        |                                                |
| NEA-14         | 6/1/2023 15:49 | 38.7         | 28.5         | 4.5         | 48.1          | 74                    | -38.29                                        |                                                |
| NEA-15*        | 6/1/2023 15:55 | 42.3         | 33.6         | 3.9         | 20.2          | 72                    | -38.29                                        |                                                |
| NEA-16A*       | 6/1/2023 16:03 | 46.9         | 35.1         | 3.7         | 14.3          | 72                    | -38.45                                        |                                                |
| NEA-2R*        | 6/1/2023 14:31 | 0            | 0.1          | 21          | 78.9          | 77                    | -0.09                                         |                                                |
| NEA-3*         | 6/1/2023 14:47 | 65.4         | 34.1         | 0           | 0.5           | 73                    | -0.43                                         |                                                |
| NEA-4*         | 6/1/2023 14:57 | 44.4         | 31.2         | 5.1         | 19.3          | 77                    | -4.24                                         |                                                |
| NEA-5R*        | 6/1/2023 15:02 | 55.3         | 37.5         | 0.6         | 6.6           | 77                    | -0.13                                         |                                                |
| NEA-6*         | 6/1/2023 15:06 | 38.8         | 28.2         | 1.5         | 31.5          | 76                    | -6.73                                         |                                                |
| NEA-7*         | 6/1/2023 15:12 | 56.3         | 43.7         | 0           | 0.0           | 77                    | -1.95                                         |                                                |
| NEA-8* - **    | 6/1/2023 15:17 | 56.4         | 43.6         | 0           | 0.0           | 77                    | -4.6                                          |                                                |
| NEA-9*         | 6/1/2023 15:21 | 55.7         | 44.3         | 0           | 0.0           | 74                    | -0.49                                         |                                                |
| NEB-1*         | 6/1/2023 16:21 | 0            | 0.0          | 22.1        | 77.9          | 72                    | -30.04                                        |                                                |
| NEB-10*        | 6/5/2023 9:01  | 57.2         | 42.8         | 0           | 0.0           | 69                    | -2.65                                         |                                                |
| NEB-11*        | 6/5/2023 9:11  | 57           | 43.0         | 0           | 0.0           | 69                    | -10.47                                        |                                                |
| NEB-12*        | 6/5/2023 9:16  | 57.7         | 42.3         | 0           | 0.0           | 67                    | -2.42                                         |                                                |
| NEB-13*        | 6/5/2023 9:22  | 49.3         | 40.5         | 0           | 10.2          | 69                    | -2.03                                         |                                                |
| NEB-14R*       | 6/5/2023 9:29  | 27.4         | 29.7         | 0.6         | 42.3          | 67                    | -1.15                                         |                                                |
| NEB-2*         | 6/1/2023 16:32 | 16.5         | 11.0         | 9.3         | 63.2          | 72                    | -13.99                                        |                                                |
| NEB-3*         | 6/1/2023 16:37 | 31.7         | 27.1         | 1.4         | 39.8          | 71                    | -0.87                                         |                                                |
| NEB-4*         | 6/5/2023 8:15  | 24.9         | 14.4         | 12.8        | 47.9          | 65                    | -27.53                                        |                                                |
| NEB-5*         | 6/5/2023 8:20  | 46.6         | 32.3         | 0           | 21.1          | 66                    | -0.37                                         |                                                |
| NEB-6*         | 6/5/2023 8:31  | 58.6         | 41.3         | 0           | 0.1           | 63                    | -2.37                                         |                                                |
| NEB-7*         | 6/5/2023 8:40  | 55.4         | 40.6         | 0           | 4.0           | 70                    | -0.86                                         |                                                |
| NEB-8*         | 6/5/2023 8:45  | 56.6         | 41.5         | 0           | 1.9           | 68                    | -1.37                                         |                                                |
| NEB-9          | 6/5/2023 8:54  | 55.7         | 42.5         | 0           | 1.8           | 72                    | -1.25                                         |                                                |
| NEC-1*         | 6/5/2023 9:49  | 53.2         | 40.3         | 0.5         | 6.0           | 69                    | -16.27                                        |                                                |
| NEC-2*         | 6/5/2023 9:56  | 54.4         | 41.5         | 0.3         | 3.8           | 72                    | -0.98                                         |                                                |
| NEC-3*         | 6/5/2023 10:02 | 17.5         | 12.2         | 15          | 55.3          | 69                    | -0.36                                         |                                                |
| NED-1R*        | 6/5/2023 10:10 | 9            | 9.6          | 14.5        | 66.9          | 70                    | -0.27                                         |                                                |
| NED-2          | 6/5/2023 10:17 | 54           | 41.8         | 0           | 4.2           | 70                    | -4.86                                         |                                                |
| NED-3          | 6/5/2023 10:25 | 19.3         | 9.4          | 4.7         | 57.9          | 70                    | -31.57                                        |                                                |
| NEE-1          | 6/5/2023 10:32 | 57.6         | 42.4         | 0           | 0.0           | 76                    | -21.48                                        |                                                |
| NEE-2R*        | 6/5/2023 10:37 | 18.6         | 12.7         | 11.1        | 57.6          | 70                    | -35.36                                        |                                                |
| NEE-3*         | 6/5/2023 12:11 | 1.6          | 0.2          | 20.6        | 77.6          | 75                    | -0.12                                         |                                                |
| NEE-4*         | 6/5/2023 12:18 | 69.1         | 27.5         | 0.1         | 3.3           | 76                    | -38.37                                        |                                                |
| NEE-5*         | 6/5/2023 12:21 | 62.2         | 28.1         | 1.2         | 8.5           | 82                    | -16.31                                        |                                                |
| NEE-6*         | 6/5/2023 12:25 | 58           | 41.3         | 0           | 0.7           | 81                    | -37.26                                        |                                                |

\* - Alternative oxygen wellhead limit

\*\* - Alternate temperature wellhead limit



## SECTION VI

MONTHLY LANDFILL GAS WELLHEAD  
REPAIRS FOR EXCEEDANCES

OXYGEN AND METHANE CONCENTRATIONS  
AT THE MAIN HEADER

**MONTHLY LANDFILL GAS WELLHEAD  
REPAIRS FOR EXCEEDANCES**

**CITY OF MOUNTAIN VIEW**  
**Monthly Landfill Gas Wellhead Repairs For Exceedances**  
**January 1 - June 30, 2023**

| <b>Date</b>                                                  | <b>Well<br/>I.D #</b> | <b>Exceedance</b><br>Temperature (T)<br>Oxygen (O <sub>2</sub> )<br>Vacuum (V) | <b>Status<br/>Compliance<br/>within 5 days<br/>(yes/no)</b> | <b>Status<br/>Compliance<br/>within 15<br/>days<br/>(yes/no)</b> | <b>Comments</b> |
|--------------------------------------------------------------|-----------------------|--------------------------------------------------------------------------------|-------------------------------------------------------------|------------------------------------------------------------------|-----------------|
| <b>There was no exceedance during this monitoring period</b> |                       |                                                                                |                                                             |                                                                  |                 |

OXYGEN AND METHANE  
CONCENTRATIONS AT THE MAIN HEADER

**CITY OF MOUNTAIN VIEW  
SHORELINE LANDFILL, FACILITY ID A2740  
OXYGEN AND METHANE CONCENTRATIONS AT THE MAIN HEADER  
ON THE DAY OF WELLHEAD MONITORING  
January 1 - June 30, 2023**

| Month     | Name of Well Field Monitored                               | Monitoring Date | Main Header Reading * |                   |
|-----------|------------------------------------------------------------|-----------------|-----------------------|-------------------|
|           |                                                            |                 | O <sub>2</sub> %      | CH <sub>4</sub> % |
| January   | Back Nine                                                  | 1/17/2023       | < 5                   | > 35              |
|           |                                                            | 1/18/2023       | < 5                   | > 35              |
|           |                                                            | 1/19/2023       | < 5                   | > 35              |
|           |                                                            | 1/23/2023       | < 5                   | > 35              |
|           | Cell 6ANE<br>Crittenden<br>Front Nine<br>Michaels<br>Vista | 1/10/2023       | < 5                   | > 35              |
|           |                                                            | 1/24/2023       | < 5                   | > 35              |
|           |                                                            | 1/5/2023        | < 5                   | > 35              |
|           |                                                            | 1/5/2023        | < 5                   | > 35              |
|           |                                                            | 1/12/2023       | < 5                   | > 35              |
|           |                                                            | 1/19/2023       | < 5                   | > 35              |
| February  | Back Nine                                                  | 2/15/2023       | < 5                   | > 35              |
|           |                                                            | 2/21/2023       | < 5                   | > 35              |
|           |                                                            | 2/22/2023       | < 5                   | > 35              |
|           | Cell 6ANE                                                  | 2/6/2023        | < 5                   | > 35              |
|           |                                                            | 2/7/2023        | < 5                   | > 35              |
|           | Crittenden                                                 | 2/8/2023        | < 5                   | > 35              |
|           |                                                            | 2/13/2023       | < 5                   | > 35              |
|           |                                                            | 2/13/2023       | < 5                   | > 35              |
|           | Front Nine                                                 | 2/13/2023       | < 5                   | > 35              |
|           |                                                            | 2/14/2023       | < 5                   | > 35              |
|           | Michaels<br>Vista                                          | 2/15/2023       | < 5                   | > 35              |
|           |                                                            | 2/6/2023        | < 5                   | > 35              |
|           |                                                            | 2/2/2023        | < 5                   | > 35              |
| 2/16/2023 |                                                            | < 5             | > 35                  |                   |
| March     | Back Nine                                                  | 3/13/2023       | < 5                   | > 35              |
|           |                                                            | 3/15/2023       | < 5                   | > 35              |
|           |                                                            | 3/20/2023       | < 5                   | > 35              |
|           |                                                            | 3/21/2023       | < 5                   | > 35              |
|           |                                                            | 3/7/2023        | < 5                   | > 35              |
|           | Cell 6ANE<br>Crittenden                                    | 3/6/2023        | < 5                   | > 35              |
|           |                                                            | 3/8/2023        | < 5                   | > 35              |
|           | Front Nine                                                 | 3/8/2023        | < 5                   | > 35              |
|           | Michaels                                                   | 3/1/2023        | < 5                   | > 35              |
|           | Vista                                                      | 3/2/2023        | < 5                   | > 35              |
|           |                                                            | 3/16/2023       | < 5                   | > 35              |
| April     | Back Nine                                                  | 4/11/2023       | < 5                   | > 35              |
|           |                                                            | 4/12/2023       | < 5                   | > 35              |
|           |                                                            | 4/13/2023       | < 5                   | > 35              |
|           |                                                            | 4/17/2023       | < 5                   | > 35              |
|           |                                                            | 4/19/2023       | < 5                   | > 35              |
|           | Cell 6 ANE                                                 | 4/20/2023       | < 5                   | > 35              |
|           |                                                            | 4/18/2023       | < 5                   | > 35              |
|           | Crittenden                                                 | 4/19/2023       | < 5                   | > 35              |
|           |                                                            | 4/13/2023       | < 5                   | > 35              |
|           | Front Nine                                                 | 4/13/2023       | < 5                   | > 35              |
|           | Michaels                                                   | 4/4/2023        | < 5                   | > 35              |
|           | Vista                                                      | 4/6/2023        | < 5                   | > 35              |
|           |                                                            | 4/20/2023       | < 5                   | > 35              |
| May       | Back Nine                                                  | 5/4/2023        | < 5                   | > 35              |
|           |                                                            | 5/5/2023        | < 5                   | > 35              |
|           |                                                            | 5/16/2023       | < 5                   | > 35              |
|           | Cell 6ANE                                                  | 5/1/2023        | < 5                   | > 35              |
|           |                                                            | 5/2/2023        | < 5                   | > 35              |
|           | Crittenden                                                 | 5/3/2023        | < 5                   | > 35              |
|           | Front Nine                                                 | 5/3/2023        | < 5                   | > 35              |
|           | Michaels                                                   | 5/1/2023        | < 5                   | > 35              |

**CITY OF MOUNTAIN VIEW  
 SHORELINE LANDFILL, FACILITY ID A2740  
 OXYGEN AND METHANE CONCENTRATIONS AT THE MAIN HEADER  
 ON THE DAY OF WELLHEAD MONITORING  
 January 1 - June 30, 2023**

| Month | Name of Well Field Monitored | Monitoring Date | Main Header Reading * |                   |
|-------|------------------------------|-----------------|-----------------------|-------------------|
|       |                              |                 | O <sub>2</sub> %      | CH <sub>4</sub> % |
|       | Vista                        | 5/4/2023        | < 5                   | > 35              |
|       |                              | 5/18/2023       | < 5                   | > 35              |
| June  | Back Nine                    | 6/26/2023       | < 5                   | > 35              |
|       | Cell 6ANE                    | 6/1/2023        | < 5                   | > 35              |
|       |                              | 6/5/2023        | < 5                   | > 35              |
|       | Crittenden                   | 6/19/2023       | < 5                   | > 35              |
|       | Front Nine                   | 6/16/2023       | < 5                   | > 35              |
|       | Michaels                     | 6/1/2023        | < 5                   | > 35              |
|       | Vista                        | 6/7/2023        | < 5                   | > 35              |
|       |                              | 6/15/2023       | < 5                   | > 35              |

\* Monitoring records are attached

SSM PLAN REPORT FORM /  
FLARE STATION DAILY CHECKLIST  
City of Mountain View Flare Station

Date 1-5-23  
s m t w th f s

AM MONITORING

Name LEON ROSADO  
Arrival Time 7am Departure Time 8:31am  
GEM# CNU #4 Manometer  yes  no

PM MONITORING

Name \_\_\_\_\_  
Arrival Time \_\_\_\_\_ Departure Time \_\_\_\_\_  
GEM# \_\_\_\_\_ Manometer \_\_\_\_\_ yes / no

LFG to Flares

| CH4 % | CO2 % | O2 % |
|-------|-------|------|
| 49.9  | 35.4  | 1.1  |

LFG to Flares

| CH4 % | CO2 % | O2 % |
|-------|-------|------|
|       |       |      |

| Flare Operation | Temp. | Vac.  | SCFM |
|-----------------|-------|-------|------|
| Flare #1        | /     | /     | /    |
| Flare #2        | /     | /     | /    |
| Flare #3        | 1670  | 1.52" | 355  |

| Flare Operation | Temp. | Vac. | SCFM |
|-----------------|-------|------|------|
| Flare #1        |       |      |      |
| Flare #2        |       |      |      |
| Flare #3        |       |      |      |

| Blower Oper. | RPM  | Hours   |
|--------------|------|---------|
| Blower #1    | 2100 | 19975.3 |
| Blower #2    | /    | /       |
| Blower #3    | /    | /       |

| LFG at Inlets | 6A NE | Vista | F9 / B9 |
|---------------|-------|-------|---------|
| Vacuum        |       |       |         |
| SCFM          |       |       |         |

Air Compressor Hours: 10877.2  
Google SCFM: am: 24 pm: \_\_\_\_\_

Back Up Generator Running \_\_\_\_\_ yes / no

Control Room Bypass \_\_\_\_\_ yes / no

| LFG at Inlets | 6A NE  | Vista  | F9 / B9 |
|---------------|--------|--------|---------|
| CH4 %         | 52.2   | 46.6   | 52.4    |
| CO2 %         | 36.4   | 34.4   | 33.9    |
| O2 %          | 0.7    | 0.9    | 1.8     |
| Vacuum        | -41.0" | -40.3" | -41.0"  |
| SCFM          | 173    | 222    | 58      |
| Temperature   | 57     | 51     | 58      |

The facility's program logic controller automatically reacted diligently and expeditiously to shut down the flare station, closed the shutdown valve as programmed isolating all LFG in the piping system to avoid excess emissions, and notified the staff.

The program logic controller or staff restarted the flare station and / or back-up generator in a diligent and expeditious manner to avoid excess emissions.

Comments and/or Description of Malfunction and Affected Equipment: \_\_\_\_\_

Time of Shutdown: \_\_\_\_\_  
Time of Start-Up: \_\_\_\_\_  
Duration of Shutdown/Malfunction: \_\_\_\_\_

\_\_\_\_\_

Reason for Shutdown/Malfunction:  
 Air-Compressor System  Blower  High Gas Flow  
 High Temperature  LEL  Low Gas Flow  
 Low Temperature  UV Scanner System  
 Power Failure  Scheduled Preventive Maintenance

Emission Exceedence: \_\_\_\_\_ yes\* / no

SSM Plan Procedures Followed: \_\_\_\_\_ yes / no\*

If SSM Plan Procedure not followed, explain procedure used: \_\_\_\_\_

\* If Emission Exceedence or SSM Procedures are not followed it must be reported to EPA/BAAQMD within 24 hours per SSM plan. (Report to EEC immediately and complete departure report)

Are any comments, descriptions, other information, etc. continued on the back side? \_\_\_\_\_ yes / no

Signature \_\_\_\_\_ Date \_\_\_\_\_

SSM PLAN REPORT FORM /  
 FLARE STATION DAILY CHECKLIST  
 City of Mountain View Flare Station

Date January 10th, 2022  
 s m w t h f s

AM MONITORING

PM MONITORING

Name Adrian Vega  
 Arrival Time 6:55 AM Departure Time 7:06 AM  
 GEM# Emission #4 Manometer  yes  no

Name \_\_\_\_\_  
 Arrival Time \_\_\_\_\_ Departure Time \_\_\_\_\_  
 GEM# \_\_\_\_\_ Manometer  yes /  no

LFG to Flares

| CH4 % | CO2 % | O2 % |
|-------|-------|------|
| 51.5  | 35.0  | 0.8  |

LFG to Flares

| CH4 % | CO2 % | O2 % |
|-------|-------|------|
|       |       |      |

| Flare Operation | Temp. | Vac.  | SCFM |
|-----------------|-------|-------|------|
| Flare #1        | /     | /     | /    |
| Flare #2        | /     | /     | /    |
| Flare #3        | 1630  | 1.12" | 304  |

| Flare Operation | Temp. | Vac. | SCFM |
|-----------------|-------|------|------|
| Flare #1        |       |      |      |
| Flare #2        |       |      |      |
| Flare #3        |       |      |      |

| Blower Oper. | RPM  | Hours  |
|--------------|------|--------|
| Blower #1    | 2100 | 200954 |
| Blower #2    | /    | /      |
| Blower #3    | /    | /      |

| LFG at Inlets | 6A NE | Vista | F9 / B9 |
|---------------|-------|-------|---------|
| Vacuum        |       |       |         |
| SCFM          |       |       |         |

Air Compressor Hours: 10916.9

Back Up Generator Running  yes /  no

Google SCFM: am: 7 pm: \_\_\_\_\_

Control Room Bypass  yes /  no

| LFG at Inlets | 6A NE  | Vista  | F9 / B9 |
|---------------|--------|--------|---------|
| CH4 %         | 53.1   | 47.0   | 55.4    |
| CO2 %         | 35.3   | 33.5   | 25.0    |
| O2 %          | 0.8    | 0.8    | 1.5     |
| Vacuum        | -41.2" | -40.4" | -41.1"  |
| SCFM          | 171    | 228    | 36      |
| Temperature   | 58     | 59     | 57      |

The facility's program logic controller automatically reacted diligently and expeditiously to shut down the flare station, closed the shutdown valve as programmed isolating all LFG in the piping system to avoid excess emissions, and notified the staff.

The program logic controller or staff restarted the flare station and / or back-up generator in a diligent and expeditious manner to avoid excess emissions.

Comments and/or Description of Malfunction and Affected Equipment: \_\_\_\_\_

Time of Shutdown: \_\_\_\_\_  
 Time of Start-Up: \_\_\_\_\_  
 Duration of Shutdown/Malfunction: \_\_\_\_\_

- Reason for Shutdown/Malfunction:
- Air-Compressor System
  - Blower
  - High Gas Flow
  - High Temperature
  - LEL
  - Low Gas Flow
  - Low Temperature
  - UV Scanner System
  - Power Failure
  - Scheduled Preventive Maintenance

Emission Exceedence:  yes\* /  no

SSM Plan Procedures Followed:  yes /  no\*

If SSM Plan Procedure not followed, explain procedure used: \_\_\_\_\_

\* If Emission Exceedence or SSM Procedures are not followed it must be reported to EPA/BAAQMD within 24 hours per SSM plan. (Report to EEC immediately and complete departure report)

Are any comments, descriptions, other information, etc. continued on the back side?  yes /  no

Signature \_\_\_\_\_ Date \_\_\_\_\_



SSM PLAN REPORT FORM /  
FLARE STATION DAILY CHECKLIST  
City of Mountain View Flare Station

Date 1/12/23  
s m t w th f s

AM MONITORING

Name LEON ROSARIO  
Arrival Time 7:30 am Departure Time 7:40 am  
GEM# ENV# 4 Manometer  yes  no

LFG to Flares

| CH4 % | CO2 % | O2 % |
|-------|-------|------|
| 48.8  | 34.8  | 1.1  |

| Flare Operation | Temp. | Vac.  | SCFM |
|-----------------|-------|-------|------|
| Flare #1        | /     | /     | /    |
| Flare #2        | /     | /     | /    |
| Flare #3        | 1634  | 1.17" | 309  |

| Blower Oper. | RPM  | Hours   |
|--------------|------|---------|
| Blower #1    | 2100 | 10144.1 |
| Blower #2    | /    | /       |
| Blower #3    | /    | /       |

Air Compressor Hours: 10932.4

Google SCFM: am: 0 pm: 0

| LFG at Inlets | 6A NE  | Vista  | F9 / B9 |
|---------------|--------|--------|---------|
| CH4 %         | 50.2   | 45.3   | 52.7    |
| CO2 %         | 34.1   | 32.6   | 33.1    |
| O2 %          | 1.0    | 0.9    | 1.9     |
| Vacuum        | -41.8" | -41.0" | -41.7"  |
| SCFM          | 173    | 226    | 35      |
| Temperature   | 58     | 59     | 58      |

Time of Shutdown: 8:56 am  
Time of Start-Up: 9:40 am  
Duration of Shutdown/Malfunction: 44 min

Reason for Shutdown/Malfunction:

- Air-Compressor System
- Blower
- High Gas Flow
- High Temperature
- LEL
- Low Gas Flow
- Low Temperature
- UV Scanner System
- Power Failure
- Scheduled Preventive Maintenance

Blower change

PM MONITORING

Name \_\_\_\_\_  
Arrival Time \_\_\_\_\_ Departure Time \_\_\_\_\_  
GEM# \_\_\_\_\_ Manometer \_\_\_\_\_ yes / no

LFG to Flares

| CH4 % | CO2 % | O2 % |
|-------|-------|------|
|       |       |      |

| Flare Operation | Temp. | Vac. | SCFM |
|-----------------|-------|------|------|
| Flare #1        |       |      |      |
| Flare #2        |       |      |      |
| Flare #3        |       |      |      |

| LFG at Inlets | 6A NE | Vista | F9 / B9 |
|---------------|-------|-------|---------|
| Vacuum        |       |       |         |
| SCFM          |       |       |         |

Back Up Generator Running yes /  no

Control Room Bypass yes /  no

The facility's program logic controller automatically reacted diligently and expeditiously to shut down the flare station, closed the shutdown valve as programmed isolating all LFG in the piping system to avoid excess emissions, and notified the staff.

The program logic controller or staff restarted the flare station and / or back-up generator in a diligent and expeditious manner to avoid excess emissions.

Comments and/or Description of Malfunction and Affected Equipment:

Emission Exceedence: yes\* /  no

SSM Plan Procedures Followed:  yes /  no\*

If SSM Plan Procedure not followed, explain procedure used:

\* If Emission Exceedence or SSM Procedures are not followed it must be reported to EPA/BAAQMD within 24 hours per SSM plan. (Report to EEC immediately and complete departure report)

Are any comments, descriptions, other information, etc. continued on the back side? yes /  no

Signature [Signature] Date 1/12/23

SSM PLAN REPORT FORM /  
FLARE STATION DAILY CHECKLIST  
City of Mountain View Flare Station

Date January 17<sup>th</sup>, 2023  
s o n t w th f s

AM MONITORING

Name Adrian Vega  
Arrival Time 7:35AM Departure Time 7:50AM  
GEM# EMUSIDA #4 Manometer  yes  no

PM MONITORING

Name \_\_\_\_\_  
Arrival Time \_\_\_\_\_ Departure Time \_\_\_\_\_  
GEM# \_\_\_\_\_ Manometer \_\_\_\_\_ yes / no

LFG to Flares

| CH4 % | CO2 % | O2 % |
|-------|-------|------|
| 48.2  | 33.1  | 1.3  |

LFG to Flares

| CH4 % | CO2 % | O2 % |
|-------|-------|------|
|       |       |      |

| Flare Operation | Temp. | Vac.  | SCFM |
|-----------------|-------|-------|------|
| Flare #1        |       |       |      |
| Flare #2        |       |       |      |
| Flare #3        | 1635  | 1.25" | 309  |

| Flare Operation | Temp. | Vac. | SCFM |
|-----------------|-------|------|------|
| Flare #1        |       |      |      |
| Flare #2        |       |      |      |
| Flare #3        |       |      |      |

| Blower Oper. | RPM  | Hours   |
|--------------|------|---------|
| Blower #1    |      |         |
| Blower #2    | 2100 | 64177.6 |
| Blower #3    |      |         |

| LFG at Inlets | 6A NE | Vista | F9 / B9 |
|---------------|-------|-------|---------|
| Vacuum        |       |       |         |
| SCFM          |       |       |         |

Air Compressor Hours: 10960.9

Back Up Generator Running \_\_\_\_\_ yes / no

Google SCFM: am: 0 pm: \_\_\_\_\_

Control Room Bypass \_\_\_\_\_ yes / no

| LFG at Inlets | 6A NE  | Vista  | F9 / B9 |
|---------------|--------|--------|---------|
| CH4 %         | 48.6   | 45.6   | 50.1    |
| CO2 %         | 34.0   | 32.9   | 31.6    |
| O2 %          | 1.3    | 1.3    | 3.1     |
| Vacuum        | -42.5" | -41.6" | -42.3"  |
| SCFM          | 170    | 216    | 37      |
| Temperature   | 56     | 58     | 54      |

The facility's program logic controller automatically reacted diligently and expeditiously to shut down the flare station, closed the shutdown valve as programmed isolating all LFG in the piping system to avoid excess emissions, and notified the staff.

The program logic controller or staff restarted the flare station and / or back-up generator in a diligent and expeditious manner to avoid excess emissions. \_\_\_\_\_ yes / no

Comments and/or Description of Malfunction and Affected Equipment: \_\_\_\_\_

Time of Shutdown: \_\_\_\_\_  
Time of Start-Up: \_\_\_\_\_  
Duration of Shutdown/Malfunction: \_\_\_\_\_

Emission Exceedence: \_\_\_\_\_ yes\* / no

Reason for Shutdown/Malfunction:

SSM Plan Procedures Followed: \_\_\_\_\_ yes / no\*

- Air-Compressor System
- Blower
- High Gas Flow
- High Temperature
- LEL
- Low Gas Flow
- Low Temperature
- UV Scanner System
- Power Failure
- Scheduled Preventive Maintenance

If SSM Plan Procedure not followed, explain procedure used: \_\_\_\_\_

\* If Emission Exceedence or SSM Procedures are not followed it must be reported to EPA/BAAQMD within 24 hours per SSM plan. (Report to EEC immediately and complete departure report)

Are any comments, descriptions, other information, etc. continued on the back side? \_\_\_\_\_ yes / no

Signature \_\_\_\_\_ Date \_\_\_\_\_

SSM PLAN REPORT FORM /  
 FLARE STATION DAILY CHECKLIST  
 City of Mountain View Flare Station

Date 1-18-23  
 s m t w th f s

AM MONITORING

Name LEON ROSARIO  
 Arrival Time 7:40am Departure Time 7:50am  
 GEM# ENV #4 Manometer  yes  no

LFG to Flares

| CH4 % | CO2 % | O2 % |
|-------|-------|------|
| 48.3  | 33.9  | 1.5  |

| Flare Operation | Temp. | Vac.  | SCFM |
|-----------------|-------|-------|------|
| Flare #1        | /     | /     | /    |
| Flare #2        | /     | /     | /    |
| Flare #3        | 1629  | 1.09" | 300  |

| Blower Oper. | RPM  | Hours  |
|--------------|------|--------|
| Blower #1    | /    | /      |
| Blower #2    | 2100 | 6701.7 |
| Blower #3    | /    | /      |

Air Compressor Hours: 10966.9  
 Google SCFM: am: 6 pm:

| LFG at Inlets | 6A NE  | Vista  | F9 / B9 |
|---------------|--------|--------|---------|
| CH4 %         | 48.7   | 46.3   | 50.6    |
| CO2 %         | 34.2   | 32.8   | 31.8    |
| O2 %          | 1.3    | 1.2    | 2.6     |
| Vacuum        | -43.2" | -42.6" | -43.0"  |
| SCFM          | 174    | 210    | 83      |
| Temperature   | 56     | 57     | 54      |

Time of Shutdown:  
 Time of Start-Up:  
 Duration of Shutdown/Malfunction:

Reason for Shutdown/Malfunction:

- Air-Compressor System    Blower    High Gas Flow  
 High Temperature    LEL    Low Gas Flow  
 Low Temperature    UV Scanner System  
 Power Failure    Scheduled Preventive Maintenance

PM MONITORING

Name \_\_\_\_\_  
 Arrival Time \_\_\_\_\_ Departure Time \_\_\_\_\_  
 GEM# \_\_\_\_\_ Manometer \_\_\_\_\_ yes / no

LFG to Flares

| CH4 % | CO2 % | O2 % |
|-------|-------|------|
|       |       |      |

| Flare Operation | Temp. | Vac. | SCFM |
|-----------------|-------|------|------|
| Flare #1        |       |      |      |
| Flare #2        |       |      |      |
| Flare #3        |       |      |      |

| LFG at Inlets | 6A NE | Vista | F9 / B9 |
|---------------|-------|-------|---------|
| Vacuum        |       |       |         |
| SCFM          |       |       |         |

Back Up Generator Running \_\_\_\_\_ yes / no

Control Room Bypass \_\_\_\_\_ yes / no

The facility's program logic controller automatically reacted diligently and expeditiously to shut down the flare station, closed the shutdown valve as programmed isolating all LFG in the piping system to avoid excess emissions, and notified the staff.

The program logic controller or staff restarted the flare station and / or back-up generator in a diligent and expeditious manner to avoid excess emissions.

Comments and/or Description

of Malfunction and Affected Equipment:

Emission Exceedence: \_\_\_\_\_ yes\* / no

SSM Plan Procedures Followed: \_\_\_\_\_ yes / no\*

If SSM Plan Procedure not followed, explain procedure used:

\* If Emission Exceedence or SSM Procedures are not followed it must be reported to EPA/BAAQMD within 24 hours per SSM plan. (Report to EEC immediately and complete departure report)

Are any comments, descriptions, other information, etc. continued on the back side? \_\_\_\_\_ yes / no

Signature

Date

SSM PLAN REPORT FORM /  
FLARE STATION DAILY CHECKLIST  
City of Mountain View Flare Station

Date January 19<sup>th</sup>, 2023  
s m t w th f s

AM MONITORING

Name Jason R. Bean  
Arrival Time 7:38am Departure Time 7:57am  
GEM# EMISION #4 Manometer  yes  no

PM MONITORING

Name \_\_\_\_\_  
Arrival Time \_\_\_\_\_ Departure Time \_\_\_\_\_  
GEM# \_\_\_\_\_ Manometer yes / no

LFG to Flares

| CH4 % | CO2 % | O2 % |
|-------|-------|------|
| 48.8  | 34.2  | 1.4  |

LFG to Flares

| CH4 % | CO2 % | O2 % |
|-------|-------|------|
|       |       |      |

| Flare Operation | Temp. | Vac.  | SCFM |
|-----------------|-------|-------|------|
| Flare #1        | /     | /     | /    |
| Flare #2        | /     | /     | /    |
| Flare #3        | 1622  | 1.09" | 300  |

| Flare Operation | Temp. | Vac. | SCFM |
|-----------------|-------|------|------|
| Flare #1        |       |      |      |
| Flare #2        |       |      |      |
| Flare #3        |       |      |      |

| Blower Oper. | RPM  | Hours  |
|--------------|------|--------|
| Blower #1    | /    | /      |
| Blower #2    | 2100 | 6422.7 |
| Blower #3    | /    | /      |

| LFG at Inlets | 6A NE | Vista | F9 / B9 |
|---------------|-------|-------|---------|
| Vacuum        |       |       |         |
| SCFM          |       |       |         |

Air Compressor Hours: 10973.4

Back Up Generator Running yes / no

Google SCFM: am: 10 pm: \_\_\_\_\_

Control Room Bypass yes / no

| LFG at Inlets | 6A NE  | Vista  | F9 / B9 |
|---------------|--------|--------|---------|
| CH4 %         | 49.8   | 46.9   | 51.0    |
| CO2 %         | 34.7   | 33.0   | 32.1    |
| O2 %          | 1.2    | 1.1    | 2.6     |
| Vacuum        | -42.7" | -42.0" | -42.7"  |
| SCFM          | 171    | 224    | 80      |
| Temperature   | 57     | 58     | 56      |

The facility's program logic controller automatically reacted diligently and expeditiously to shut down the flare station, closed the shutdown valve as programmed isolating all LFG in the piping system to avoid excess emissions, and notified the staff.

The program logic controller or staff restarted the flare station and / or back-up generator in a diligent and expeditious manner to avoid excess emissions.

yes / no

Comments and/or Description of Malfunction and Affected Equipment: \_\_\_\_\_

Time of Shutdown: \_\_\_\_\_  
Time of Start-Up: \_\_\_\_\_  
Duration of Shutdown/Malfunction: \_\_\_\_\_

\_\_\_\_\_

Reason for Shutdown/Malfunction:

- Air-Compressor System
- Blower
- High Gas Flow
- High Temperature
- LEL
- Low Gas Flow
- Low Temperature
- UV Scanner System
- Power Failure
- Scheduled Preventive Maintenance

Emission Exceedence: yes\* / no

SSM Plan Procedures Followed: yes / no\*

If SSM Plan Procedure not followed, explain procedure used: \_\_\_\_\_

\* If Emission Exceedence or SSM Procedures are not followed it must be reported to EPA/BAAQMD within 24 hours per SSM plan. (Report to EEC immediately and complete departure report)

Are any comments, descriptions, other information, etc. continued on the back side? yes / no

Signature \_\_\_\_\_

Date \_\_\_\_\_

SSM PLAN REPORT FORM /  
 FLARE STATION DAILY CHECKLIST  
 City of Mountain View Flare Station

Date January 23<sup>rd</sup>, 2023  
 s m t w th f s

AM MONITORING

Name Jason R. Bean  
 Arrival Time 9:00am Departure Time 9:17am  
 GEM# EMUION #4 Manometer  yes  no

PM MONITORING

Name \_\_\_\_\_  
 Arrival Time \_\_\_\_\_ Departure Time \_\_\_\_\_  
 GEM# \_\_\_\_\_ Manometer \_\_\_\_\_ yes / no

LFG to Flares

| CH4 % | CO2 % | O2 % |
|-------|-------|------|
| 49.2  | 31.0  | 1.8  |

LFG to Flares

| CH4 % | CO2 % | O2 % |
|-------|-------|------|
|       |       |      |

| Flare Operation | Temp. | Vac.  | SCFM |
|-----------------|-------|-------|------|
| Flare #1        | 1623  | 2.64" | 115  |
| Flare #2        | 1612  | 1.85" | 220  |
| Flare #3        | /     | /     | /    |

| Flare Operation | Temp. | Vac. | SCFM |
|-----------------|-------|------|------|
| Flare #1        |       |      |      |
| Flare #2        |       |      |      |
| Flare #3        |       |      |      |

| Blower Oper. | RPM  | Hours   |
|--------------|------|---------|
| Blower #1    | /    | /       |
| Blower #2    | 2100 | 64323.0 |
| Blower #3    | /    | /       |

| LFG at Inlets | 6A NE | Vista | F9 / B9 |
|---------------|-------|-------|---------|
| Vacuum        |       |       |         |
| SCFM          |       |       |         |

Air Compressor Hours: 10998.4  
 Google SCFM: am: 14 pm: \_\_\_\_\_

Back Up Generator Running \_\_\_\_\_ yes / no

Control Room Bypass \_\_\_\_\_ yes / no

| LFG at Inlets | 6A NE  | Vista  | F9 / B9 |
|---------------|--------|--------|---------|
| CH4 %         | 51.2   | 47.6   | 48.4    |
| CO2 %         | 32.2   | 31.2   | 29.6    |
| O2 %          | 1.0    | 1.3    | 3.8     |
| Vacuum        | -41.4" | -41.6" | -41.3"  |
| SCFM          | 167    | 223    | 32      |
| Temperature   | 56     | 58     | 56      |

The facility's program logic controller \_\_\_\_\_ yes / no

automatically reacted diligently and expeditiously to shut down the flare station, closed the shutdown valve as programmed isolating all LFG in the piping system to avoid excess emissions, and notified the staff.

The program logic controller or staff restarted \_\_\_\_\_ yes / no

the flare station and / or back-up generator in a diligent and expeditious manner to avoid excess emissions.

Comments and/or Description of Malfunction and Affected Equipment: \_\_\_\_\_

Time of Shutdown: \_\_\_\_\_  
 Time of Start-Up: \_\_\_\_\_  
 Duration of Shutdown/Malfunction: \_\_\_\_\_

Emission Exceedence: \_\_\_\_\_ yes\* / no

SSM Plan Procedures Followed: \_\_\_\_\_ yes / no\*

If SSM Plan Procedure not followed, explain procedure used: \_\_\_\_\_

Reason for Shutdown/Malfunction:

- Air-Compressor System  Blower  High Gas Flow
- High Temperature  LEL  Low Gas Flow
- Low Temperature  UV Scanner System
- Power Failure  Scheduled Preventive Maintenance

\* If Emission Exceedence or SSM Procedures are not followed it must be reported to EPA/BAAQMD within 24 hours per SSM plan. (Report to EEC immediately and complete departure report)

Are any comments, descriptions, other information, etc. continued on the back side? \_\_\_\_\_ yes / no

Signature \_\_\_\_\_

Date \_\_\_\_\_

SSM PLAN REPORT FORM /  
 FLARE STATION DAILY CHECKLIST  
 City of Mountain View Flare Station

Date January 24<sup>th</sup>, 2023  
 s m W th f s

AM MONITORING

Name Adrian Vega  
 Arrival Time 6:35 AM Departure Time 6:44 AM  
 GEM# Envision #4 Manometer  yes  no

LFG to Flares

| CH4 %       | CO2 %       | O2 %       |
|-------------|-------------|------------|
| <u>48.1</u> | <u>31.5</u> | <u>2.0</u> |

| Flare Operation | Temp.       | Vac.         | SCFM       |
|-----------------|-------------|--------------|------------|
| Flare #1        | <u>1631</u> | <u>2.12"</u> | <u>105</u> |
| Flare #2        | <u>1548</u> | <u>1.52"</u> | <u>201</u> |
| Flare #3        | <u>/</u>    | <u>/</u>     | <u>/</u>   |

| Blower Oper. | RPM         | Hours          |
|--------------|-------------|----------------|
| Blower #1    | <u>/</u>    | <u>/</u>       |
| Blower #2    | <u>2100</u> | <u>64344.5</u> |
| Blower #3    | <u>/</u>    | <u>/</u>       |

Air Compressor Hours: 11003.4

Google SCFM: am: 18 pm:

| LFG at Inlets | 6A NE         | Vista         | F9 / B9      |
|---------------|---------------|---------------|--------------|
| CH4 %         | <u>49.3</u>   | <u>46.3</u>   | <u>47.5</u>  |
| CO2 %         | <u>32.9</u>   | <u>30.4</u>   | <u>29.1</u>  |
| O2 %          | <u>1.5</u>    | <u>1.6</u>    | <u>4.0</u>   |
| Vacuum        | <u>-42.8"</u> | <u>-42.2"</u> | <u>-42.7</u> |
| SCFM          | <u>170</u>    | <u>217</u>    | <u>88</u>    |
| Temperature   | <u>55</u>     | <u>57</u>     | <u>54</u>    |

Time of Shutdown:  
 Time of Start-Up:  
 Duration of Shutdown/Malfunction:

Reason for Shutdown/Malfunction:  
 Air-Compressor System  Blower  High Gas Flow  
 High Temperature  LEL  Low Gas Flow  
 Low Temperature  UV Scanner System  
 Power Failure  Scheduled Preventive Maintenance

PM MONITORING

Name \_\_\_\_\_  
 Arrival Time \_\_\_\_\_ Departure Time \_\_\_\_\_  
 GEM# \_\_\_\_\_ Manometer  yes  no

LFG to Flares

| CH4 % | CO2 % | O2 % |
|-------|-------|------|
|       |       |      |

| Flare Operation | Temp. | Vac. | SCFM |
|-----------------|-------|------|------|
| Flare #1        |       |      |      |
| Flare #2        |       |      |      |
| Flare #3        |       |      |      |

| LFG at Inlets | 6A NE | Vista | F9 / B9 |
|---------------|-------|-------|---------|
| Vacuum        |       |       |         |
| SCFM          |       |       |         |

Back Up Generator Running  yes  no

Control Room Bypass  yes  no

The facility's program logic controller  yes  no  
automatically reacted diligently and expeditiously to shut down the flare station, closed the shutdown valve as programmed isolating all LFG in the piping system to avoid excess emissions, and notified the staff.

The program logic controller or staff restarted  yes  no  
the flare station and / or back-up generator in a diligent and expeditious manner to avoid excess emissions.

Comments and/or Description of Malfunction and Affected Equipment:

Emission Exceedence:  yes\*  no

SSM Plan Procedures Followed:  yes  no\*

If SSM Plan Procedure not followed, explain procedure used:

\* If Emission Exceedence or SSM Procedures are not followed it must be reported to EPA/BAAQMD within 24 hours per SSM plan. (Report to EEC immediately and complete departure report)

Are any comments, descriptions, other information, etc. continued on the back side?  yes  no

Signature \_\_\_\_\_ Date \_\_\_\_\_

**SSM PLAN REPORT FORM /  
FLARE STATION DAILY CHECKLIST**  
City of Mountain View Flare Station

Date February 2<sup>nd</sup>, 2023  
s m t w **th** f s

**AM MONITORING**

**PM MONITORING**

Name Jason R Bean  
Arrival Time 7:30am Departure Time 7:27am  
GEM# EMUJIAN #4 Manometer  yes  no

Name \_\_\_\_\_  
Arrival Time \_\_\_\_\_ Departure Time \_\_\_\_\_  
GEM# \_\_\_\_\_ Manometer \_\_\_\_\_ yes / no

LFG to Flares

| CH4 % | CO2 % | O2 % |
|-------|-------|------|
| 49.5  | 32.3  | 1.8  |

LFG to Flares

| CH4 % | CO2 % | O2 % |
|-------|-------|------|
|       |       |      |

| Flare Operation | Temp. | Vac. | SCFM |
|-----------------|-------|------|------|
| Flare #1        |       |      |      |
| Flare #2        |       |      |      |
| Flare #3        | 1621  | 129" | 329  |

| Flare Operation | Temp. | Vac. | SCFM |
|-----------------|-------|------|------|
| Flare #1        |       |      |      |
| Flare #2        |       |      |      |
| Flare #3        |       |      |      |

| Blower Oper. | RPM  | Hours  |
|--------------|------|--------|
| Blower #1    |      |        |
| Blower #2    | 2100 | 645575 |
| Blower #3    |      |        |

| LFG at Inlets | 6A NE | Vista | F9 / B9 |
|---------------|-------|-------|---------|
| Vacuum        |       |       |         |
| SCFM          |       |       |         |

Air Compressor Hours: 11065.6

Google SCFM: am: 20 pm: \_\_\_\_\_

| LFG at Inlets | 6A NE  | Vista  | F9 / B9 |
|---------------|--------|--------|---------|
| CH4 %         | 51.3   | 48.6   | 45.5    |
| CO2 %         | 33.6   | 32.9   | 29.7    |
| O2 %          | 1.3    | 1.1    | 4.3     |
| Vacuum        | -43.0" | -42.3" | -42.9"  |
| SCFM          | 167    | 221    | 10      |
| Temperature   | 53     | 56     | 53      |

Back Up Generator Running \_\_\_\_\_ yes / no

Control Room Bypass \_\_\_\_\_ yes / no

The facility's program logic controller automatically reacted diligently and expeditiously to shut down the flare station, closed the shutdown valve as programmed isolating all LFG in the piping system to avoid excess emissions, and notified the staff. \_\_\_\_\_ yes / no

The program logic controller or staff restarted the flare station and / or back-up generator in a diligent and expeditious manner to avoid excess emissions. \_\_\_\_\_ yes / no

Comments and/or Description of Malfunction and Affected Equipment: \_\_\_\_\_

Time of Shutdown: \_\_\_\_\_  
Time of Start-Up: \_\_\_\_\_  
Duration of Shutdown/Malfunction: \_\_\_\_\_

Reason for Shutdown/Malfunction: \_\_\_\_\_

- Air-Compressor System
- Blower
- High Gas Flow
- High Temperature
- LEL
- Low Gas Flow
- Low Temperature
- UV Scanner System
- Power Failure
- Scheduled Preventive Maintenance

Emission Exceedence: \_\_\_\_\_ yes\* / no

SSM Plan Procedures Followed: \_\_\_\_\_ yes / no\*

If SSM Plan Procedure **not** followed, explain procedure used: \_\_\_\_\_

\* If Emission Exceedence or SSM Procedures are **not** followed it must be reported to EPA/BAAQMD within 24 hours per SSM plan. (Report to EEC immediately and complete departure report)

Are any comments, descriptions, other information, etc. continued on the back side? \_\_\_\_\_ yes / no

Signature \_\_\_\_\_ Date \_\_\_\_\_

SSM PLAN REPORT FORM /  
FLARE STATION DAILY CHECKLIST  
City of Mountain View Flare Station

Date February 6<sup>th</sup>, 2023  
s m t w th f s

AM MONITORING

Name JASON R BEAN  
Arrival Time 6:50 AM Departure Time 7:06 am  
GEM# EMULSION #4 Manometer yes no

PM MONITORING

Name \_\_\_\_\_  
Arrival Time \_\_\_\_\_ Departure Time \_\_\_\_\_  
GEM# \_\_\_\_\_ Manometer \_\_\_\_\_ yes / no

LFG to Flares

| CH4 %       | CO2 %       | O2 %       |
|-------------|-------------|------------|
| <u>48.6</u> | <u>33.3</u> | <u>1.9</u> |

LFG to Flares

| CH4 % | CO2 % | O2 % |
|-------|-------|------|
|       |       |      |

| Flare Operation | Temp.       | Vac.         | SCFM       |
|-----------------|-------------|--------------|------------|
| Flare #1        | /           | /            | /          |
| Flare #2        | /           | /            | /          |
| Flare #3        | <u>1628</u> | <u>0.96"</u> | <u>286</u> |

| Flare Operation | Temp. | Vac. | SCFM |
|-----------------|-------|------|------|
| Flare #1        |       |      |      |
| Flare #2        |       |      |      |
| Flare #3        |       |      |      |

| Blower Oper. | RPM         | Hours          |
|--------------|-------------|----------------|
| Blower #1    | /           | /              |
| Blower #2    | <u>2100</u> | <u>14653.6</u> |
| Blower #3    | /           | /              |

| LFG at Inlets | 6A NE | Vista | F9 / B9 |
|---------------|-------|-------|---------|
| Vacuum        |       |       |         |
| SCFM          |       |       |         |

Air Compressor Hours: 11095.4  
Google SCFM: am: 21 pm: \_\_\_\_\_

Back Up Generator Running: yes / no  
Control Room Bypass: yes / no

| LFG at Inlets | 6A NE        | Vista         | F9 / B9      |
|---------------|--------------|---------------|--------------|
| CH4 %         | <u>49.3</u>  | <u>47.8</u>   | <u>46.8</u>  |
| CO2 %         | <u>33.6</u>  | <u>33.4</u>   | <u>30.9</u>  |
| O2 %          | <u>1.7</u>   | <u>1.3</u>    | <u>3.7</u>   |
| Vacuum        | <u>-435"</u> | <u>-42.9"</u> | <u>-433"</u> |
| SCFM          | <u>164</u>   | <u>220</u>    | <u>78</u>    |
| Temperature   | <u>54</u>    | <u>56</u>     | <u>54</u>    |

The facility's program logic controller automatically reacted diligently and expeditiously to shut down the flare station, closed the shutdown valve as programmed isolating all LFG in the piping system to avoid excess emissions, and notified the staff. yes / no

The program logic controller or staff restarted the flare station and / or back-up generator in a diligent and expeditious manner to avoid excess emissions. yes / no

Comments and/or Description of Malfunction and Affected Equipment: \_\_\_\_\_

Time of Shutdown: 8:41 pm  
Time of Start-Up: 11:44 am  
Duration of Shutdown/Malfunction: 3hr 3min

Reason for Shutdown/Malfunction:  
 Air-Compressor System    Blower    High Gas Flow  
 High Temperature    LEL    Low Gas Flow  
 Low Temperature    UV Scanner System  
 Power Failure    Scheduled Preventive Maintenance

Emission Exceedence: yes\* / no  
SSM Plan Procedures Followed: yes / no\*  
If SSM Plan Procedure not followed, explain procedure used: \_\_\_\_\_

Change out valves for blowers

\* If Emission Exceedence or SSM Procedures are not followed it must be reported to EPA/BAAQMD within 24 hours per SSM plan. (Report to EEC immediately and complete departure report)

Signature Jason R Bean Date 2/6/23

Are any comments, descriptions, other information, etc. continued on the back side? yes / no



**SSM PLAN REPORT FORM /  
FLARE STATION DAILY CHECKLIST**  
City of Mountain View Flare Station

Date February 7<sup>th</sup>, 2023  
s m 7 w th f s

**AM MONITORING**

Name Miguel Varela  
Arrival Time 8:20 AM Departure Time 8:35 AM  
GEM# ENVISION#4 Manometer  yes  no

LFG to Flares

| CH4 % | CO2 % | O2 % |
|-------|-------|------|
| 49.9  | 32.8  | 1.8  |

| Flare Operation | Temp. | Vac.  | SCFM |
|-----------------|-------|-------|------|
| Flare #1        | /     | /     | /    |
| Flare #2        | /     | /     | /    |
| Flare #3        | 1628  | 1.51" | 356  |

| Blower Oper. | RPM  | Hours   |
|--------------|------|---------|
| Blower #1    | /    | /       |
| Blower #2    | 2100 | 64655.3 |
| Blower #3    | /    | /       |

Air Compressor Hours: 11101.4

Google SCFM: am: 12 pm:

| LFG at Inlets | 6A NE  | Vista  | F9 / B9 |
|---------------|--------|--------|---------|
| CH4 %         | 51.6   | 49.0   | 46.5    |
| CO2 %         | 33.5   | 32.6   | 30.5    |
| O2 %          | 1.2    | 1.2    | 3.9     |
| Vacuum        | -42.5" | -41.9" | -42.4   |
| SCFM          | 166    | 219    | 80      |
| Temperature   | 54     | 56     | 54      |

Time of Shutdown:  
Time of Start-Up:  
Duration of Shutdown/Malfunction:

Reason for Shutdown/Malfunction:

- Air-Compressor System    Blower    High Gas Flow  
 High Temperature    LEL    Low Gas Flow  
 Low Temperature    UV Scanner System  
 Power Failure    Scheduled Preventive Maintenance

Signature

Date

**PM MONITORING**

Name \_\_\_\_\_  
Arrival Time \_\_\_\_\_ Departure Time \_\_\_\_\_  
GEM# \_\_\_\_\_ Manometer \_\_\_\_\_ yes / no

LFG to Flares

| CH4 % | CO2 % | O2 % |
|-------|-------|------|
|       |       |      |

| Flare Operation | Temp. | Vac. | SCFM |
|-----------------|-------|------|------|
| Flare #1        |       |      |      |
| Flare #2        |       |      |      |
| Flare #3        |       |      |      |

| LFG at Inlets | 6A NE | Vista | F9 / B9 |
|---------------|-------|-------|---------|
| Vacuum        |       |       |         |
| SCFM          |       |       |         |

Back Up Generator Running \_\_\_\_\_ yes / no

Control Room Bypass \_\_\_\_\_ yes / no

The facility's program logic controller automatically reacted diligently and expeditiously to shut down the flare station, closed the shutdown valve as programmed, isolating all LFG in the piping system to avoid excess emissions, and notified the staff.

The program logic controller or staff restarted the flare station and / or back-up generator in a diligent and expeditious manner to avoid excess emissions.

Comments and/or Description of Malfunction and Affected Equipment:

Emission Exceedence: \_\_\_\_\_ yes\* / no

SSM Plan Procedures Followed: \_\_\_\_\_ yes / no\*

If SSM Plan Procedure not followed, explain procedure used:

\* If Emmission Exceedence or SSM Procedures are not followed it must be reported to EPA/BAAQMD within 24 hours per SSM plan. (Report to EEC immediately and complete departure report)

Are any comments, descriptions, other information, etc. continued on the back side? \_\_\_\_\_ yes / no

SSM PLAN REPORT FORM /  
FLARE STATION DAILY CHECKLIST  
City of Mountain View Flare Station

Date February 8<sup>th</sup>, 2023  
s m t W th f s

AM MONITORING

Name Miguel varela  
Arrival Time 7:00 AM Departure Time 7:25 AM  
GEM# Envision #2 Manometer  yes no

LFG to Flares

| CH4 %       | CO2 %       | O2 %       |
|-------------|-------------|------------|
| <u>49.2</u> | <u>32.8</u> | <u>1.9</u> |

| Flare Operation | Temp.       | Vac.         | SCFM       |
|-----------------|-------------|--------------|------------|
| Flare #1        | /           | /            | /          |
| Flare #2        | /           | /            | /          |
| Flare #3        | <u>1619</u> | <u>1.86"</u> | <u>395</u> |

| Blower Oper. | RPM         | Hours         |
|--------------|-------------|---------------|
| Blower #1    | /           | /             |
| Blower #2    | <u>2100</u> | <u>646553</u> |
| Blower #3    | /           | /             |

Air Compressor Hours: 11106.9

Google SCFM: am: 0 pm:

| LFG at Inlets | 6A NE         | Vista         | F9 / B9       |
|---------------|---------------|---------------|---------------|
| CH4 %         | <u>49.1</u>   | <u>50.2</u>   | <u>47.0</u>   |
| CO2 %         | <u>33.5</u>   | <u>33.6</u>   | <u>30.1</u>   |
| O2 %          | <u>1.7</u>    | <u>1.0</u>    | <u>3.9</u>    |
| Vacuum        | <u>-42.5"</u> | <u>-41.7"</u> | <u>-42.1"</u> |
| SCFM          | <u>190</u>    | <u>220</u>    | <u>74</u>     |
| Temperature   | <u>54</u>     | <u>56</u>     | <u>54</u>     |

Time of Shutdown:  
Time of Start-Up:  
Duration of Shutdown/Malfunction:

Reason for Shutdown/Malfunction:

- Air-Compressor System     Blower     High Gas Flow  
 High Temperature     LEL     Low Gas Flow  
 Low Temperature     UV Scanner System  
 Power Failure     Scheduled Preventive Maintenance

PM MONITORING

Name \_\_\_\_\_  
Arrival Time \_\_\_\_\_ Departure Time \_\_\_\_\_  
GEM# \_\_\_\_\_ Manometer \_\_\_\_\_ yes / no

LFG to Flares

| CH4 % | CO2 % | O2 % |
|-------|-------|------|
|       |       |      |

| Flare Operation | Temp. | Vac. | SCFM |
|-----------------|-------|------|------|
| Flare #1        |       |      |      |
| Flare #2        |       |      |      |
| Flare #3        |       |      |      |

| LFG at Inlets | 6A NE | Vista | F9 / B9 |
|---------------|-------|-------|---------|
| Vacuum        |       |       |         |
| SCFM          |       |       |         |

Back Up Generator Running \_\_\_\_\_ yes / no

Control Room Bypass \_\_\_\_\_ yes / no

The facility's program logic controller automatically reacted diligently and expeditiously to shut down the flare station, closed the shutdown valve as programmed isolating all LFG in the piping system to avoid excess emissions, and notified the staff.

The program logic controller or staff restarted the flare station and / or back-up generator in a diligent and expeditious manner to avoid excess emissions.

Comments and/or Description of Malfunction and Affected Equipment:

Emission Exceedence: \_\_\_\_\_ yes\* / no

SSM Plan Procedures Followed: \_\_\_\_\_ yes / no\*

If SSM Plan Procedure not followed, explain procedure used:

\* If Emission Exceedence or SSM Procedures are not followed it must be reported to EPA/BAAQMD within 24 hours per SSM plan. (Report to EEC immediately and complete departure report)

Are any comments, descriptions, other information, etc. continued on the back side? \_\_\_\_\_ yes / no

Signature

Date

**SSM PLAN REPORT FORM /  
FLARE STATION DAILY CHECKLIST**  
City of Mountain View Flare Station

Date 2-13-23  
s (m) t w th f s

**AM MONITORING**

Name LEON ROSASO  
Arrival Time 8:13 AM Departure Time 8:29 AM  
GEM# ENV #2 Manometer  yes  no

LFG to Flares

| CH4 % | CO2 % | O2 % |
|-------|-------|------|
| 50.0  | 33.0  | 2.1  |

| Flare Operation | Temp. | Vac.  | SCFM |
|-----------------|-------|-------|------|
| Flare #1        | 1636  | 1.39" | 83   |
| Flare #2        | /     | /     | /    |
| Flare #3        | 1621  | 0.98" | 285  |

| Blower Oper. | RPM  | Hours   |
|--------------|------|---------|
| Blower #1    | /    | /       |
| Blower #2    | 2100 | 64655.3 |
| Blower #3    | /    | /       |

Air Compressor Hours: 11140.0

Google SCFM: am: 0 pm:

| LFG at Inlets | 6A NE | Vista  | F9 / B9 |
|---------------|-------|--------|---------|
| CH4 %         | 50.3  | 51.8   | 47.1    |
| CO2 %         | 33.3  | 34.0   | 30.9    |
| O2 %          | 1.9   | 1.0    | 3.9     |
| Vacuum        | -42.2 | -41.9" | -42.4"  |
| SCFM          | 192   | 221    | 54      |
| Temperature   | 54    | 56     | 55      |

Time of Shutdown:  
Time of Start-Up:  
Duration of Shutdown/Malfunction:

Reason for Shutdown/Malfunction:

- Air-Compressor System     Blower     High Gas Flow  
 High Temperature     LEL     Low Gas Flow  
 Low Temperature     UV Scanner System  
 Power Failure     Scheduled Preventive Maintenance

Signature

Date

**PM MONITORING**

Name \_\_\_\_\_  
Arrival Time \_\_\_\_\_ Departure Time \_\_\_\_\_  
GEM# \_\_\_\_\_ Manometer \_\_\_\_\_ yes / no

LFG to Flares

| CH4 % | CO2 % | O2 % |
|-------|-------|------|
|       |       |      |

| Flare Operation | Temp. | Vac. | SCFM |
|-----------------|-------|------|------|
| Flare #1        |       |      |      |
| Flare #2        |       |      |      |
| Flare #3        |       |      |      |

| LFG at Inlets | 6A NE | Vista | F9 / B9 |
|---------------|-------|-------|---------|
| Vacuum        |       |       |         |
| SCFM          |       |       |         |

Back Up Generator Running \_\_\_\_\_ yes / no

Control Room Bypass \_\_\_\_\_ yes / no

The facility's program logic controller automatically reacted diligently and expeditiously to shut down the flare station, closed the shutdown valve as programmed, isolating all LFG in the piping system to avoid excess emissions, and notified the staff.

The program logic controller or staff restarted the flare station and / or back-up generator in a diligent and expeditious manner to avoid excess emissions.

Comments and/or Description of Malfunction and Affected Equipment:

Emission Exceedence: \_\_\_\_\_ yes\* / no

SSM Plan Procedures Followed: \_\_\_\_\_ yes / no\*

If SSM Plan Procedure not followed, explain procedure used:

\* If Emission Exceedence or SSM Procedures are not followed it must be reported to EPA/BAAQMD within 24 hours per SSM plan. (Report to EEC immediately and complete departure report)

Are any comments, descriptions, other information, etc. continued on the back side? \_\_\_\_\_ yes / no

SSM PLAN REPORT FORM /  
FLARE STATION DAILY CHECKLIST  
City of Mountain View Flare Station

Date February 14<sup>th</sup>, 2023  
s m t w t h f s

AM MONITORING

Name JASON R. BEAN  
Arrival Time 6:39 AM Departure Time 6:52 AM  
GEM# ENVISION #2 Manometer  yes  no

PM MONITORING

Name \_\_\_\_\_  
Arrival Time \_\_\_\_\_ Departure Time \_\_\_\_\_  
GEM# \_\_\_\_\_ Manometer \_\_\_\_\_ yes / no

LFG to Flares

| CH4 % | CO2 % | O2 % |
|-------|-------|------|
| 47.8  | 32.2  | 2.5  |

LFG to Flares

| CH4 % | CO2 % | O2 % |
|-------|-------|------|
|       |       |      |

| Flare Operation | Temp. | Vac.  | SCFM |
|-----------------|-------|-------|------|
| Flare #1        | 1626  | 1.24" | 77   |
| Flare #2        |       |       |      |
| Flare #3        | 1621  | 0.86" | 281  |

| Flare Operation | Temp. | Vac. | SCFM |
|-----------------|-------|------|------|
| Flare #1        |       |      |      |
| Flare #2        |       |      |      |
| Flare #3        |       |      |      |

| Blower Oper. | RPM  | Hours   |
|--------------|------|---------|
| Blower #1    |      |         |
| Blower #2    | 2100 | 61655.3 |
| Blower #3    |      |         |

| LFG at Inlets | 6A NE | Vista | F9 / B9 |
|---------------|-------|-------|---------|
| Vacuum        |       |       |         |
| SCFM          |       |       |         |

Air Compressor Hours: 11146.6  
Google SCFM: am: 0 pm: \_\_\_\_\_

Back Up Generator Running  yes /  no

Control Room Bypass  yes /  no

| LFG at Inlets | 6A NE  | Vista  | F9 / B9 |
|---------------|--------|--------|---------|
| CH4 %         | 47.0   | 50.5   | 45.7    |
| CO2 %         | 32.4   | 33.3   | 30.5    |
| O2 %          | 2.5    | 1.1    | 4.1     |
| Vacuum        | -43.2" | -42.5" | -43.1"  |
| SCFM          | 185    | 209    | 119     |
| Temperature   | 55     | 56     | 55      |

The facility's program logic controller automatically reacted diligently and expeditiously to shut down the flare station, closed the shutdown valve as programmed isolating all LFG in the piping system to avoid excess emissions, and notified the staff.

The program logic controller or staff restarted the flare station and / or back-up generator in a diligent and expeditious manner to avoid excess emissions.  yes /  no

Comments and/or Description of Malfunction and Affected Equipment: \_\_\_\_\_

Time of Shutdown: 8:40 AM  
Time of Start-Up: 9:06 AM  
Duration of Shutdown/Malfunction: 26 min

Reason for Shutdown/Malfunction:  
 Air-Compressor System  Blower  High Gas Flow  
 High Temperature  LEL  Low Gas Flow  
 Low Temperature  UV Scanner System  
 Power Failure  Scheduled Preventive Maintenance

Emission Exceedence:  yes\* /  no

SSM Plan Procedures Followed:  yes /  no\*

If SSM Plan Procedure **not** followed, explain procedure used: \_\_\_\_\_

Change actuator valve on Flare #2 TelStar assist.

\* If Emission Exceedence or SSM Procedures are **not** followed it must be reported to EPA/BAAQMD within 24 hours per SSM plan. (Report to EEC immediately and complete departure report)

Are any comments, descriptions, other information, etc. continued on the back side?  yes /  no

Signature Jason R. Bean Date \_\_\_\_\_

SSM PLAN REPORT FORM /  
 FLARE STATION DAILY CHECKLIST  
 City of Mountain View Flare Station

Date 2/15/23  
 s m t **w** th f s

AM MONITORING

Name Leon Rosales  
 Arrival Time 8:45 am Departure Time 8:52 am  
 GEM# EMV #2 Manometer  yes  no

LFG to Flares

| CH4 % | CO2 % | O2 % |
|-------|-------|------|
| 46.1  | 31.1  | 2.9  |

| Flare Operation | Temp. | Vac.  | SCFM |
|-----------------|-------|-------|------|
| Flare #1        | 1614  | 3.65" | 137  |
| Flare #2        | 1605  | 1.45" | 195  |
| Flare #3        | /     | /     | /    |

| Blower Oper. | RPM  | Hours  |
|--------------|------|--------|
| Blower #1    | /    | /      |
| Blower #2    | 2100 | 6679.3 |
| Blower #3    | /    | /      |

Air Compressor Hours: 11152.8

Google SCFM: am: 0 pm:

| LFG at Inlets | 6A NE  | Vista  | F9 / B9 |
|---------------|--------|--------|---------|
| CH4 %         | 44.3   | 50.1   | 45.1    |
| CO2 %         | 30.9   | 32.2   | 29.0    |
| O2 %          | 3.2    | 1.3    | 4.1     |
| Vacuum        | -41.2" | -40.6" | -41.3"  |
| SCFM          | 187    | 220    | 75      |
| Temperature   | 55     | 57     | 55      |

Time of Shutdown:  
 Time of Start-Up:  
 Duration of Shutdown/Malfunction:

Reason for Shutdown/Malfunction:  
 Air-Compressor System  Blower  High Gas Flow  
 High Temperature  LEL  Low Gas Flow  
 Low Temperature  UV Scanner System  
 Power Failure  Scheduled Preventive Maintenance

PM MONITORING

Name \_\_\_\_\_  
 Arrival Time \_\_\_\_\_ Departure Time \_\_\_\_\_  
 GEM# \_\_\_\_\_ Manometer \_\_\_\_\_ yes / no

LFG to Flares

| CH4 % | CO2 % | O2 % |
|-------|-------|------|
|       |       |      |

| Flare Operation | Temp. | Vac. | SCFM |
|-----------------|-------|------|------|
| Flare #1        |       |      |      |
| Flare #2        |       |      |      |
| Flare #3        |       |      |      |

| LFG at Inlets | 6A NE | Vista | F9 / B9 |
|---------------|-------|-------|---------|
| Vacuum        |       |       |         |
| SCFM          |       |       |         |

Back Up Generator Running \_\_\_\_\_ yes / no

Control Room Bypass \_\_\_\_\_ yes / no

The facility's program logic controller automatically reacted diligently and expeditiously to shut down the flare station, closed the shutdown valve as programmed isolating all LFG in the piping system to avoid excess emissions, and notified the staff. \_\_\_\_\_ yes / no

The program logic controller or staff restarted the flare station and / or back-up generator in a diligent and expeditious manner to avoid excess emissions. \_\_\_\_\_ yes / no

Comments and/or Description of Malfunction and Affected Equipment: \_\_\_\_\_

Emission Exceedence: \_\_\_\_\_ yes\* / no

SSM Plan Procedures Followed: \_\_\_\_\_ yes / no\*

If SSM Plan Procedure **not** followed, explain procedure used: \_\_\_\_\_

\* If Emmission Exceedence or SSM Procedures are not followed it must be reported to EPA/BAAQMD within 24 hours per SSM plan. (Report to EEC immediately and complete departure report)

Are any comments, descriptions, other information, etc. continued on the back side? \_\_\_\_\_ yes / no

Signature \_\_\_\_\_ Date \_\_\_\_\_

SSM PLAN REPORT FORM /  
 FLARE STATION DAILY CHECKLIST  
 City of Mountain View Flare Station

Date February 16<sup>th</sup>, 2023  
 s m t w th f s

AM MONITORING

Name JASON R BEAN  
 Arrival Time 6:55 AM Departure Time 7:12 AM  
 GEM# EMISSION#2 Manometer  yes  no

PM MONITORING

Name \_\_\_\_\_  
 Arrival Time \_\_\_\_\_ Departure Time \_\_\_\_\_  
 GEM# \_\_\_\_\_ Manometer \_\_\_\_\_ yes / no

LFG to Flares

| CH4 % | CO2 % | O2 % |
|-------|-------|------|
| 48.7  | 32.3  | 2.2  |

LFG to Flares

| CH4 % | CO2 % | O2 % |
|-------|-------|------|
|       |       |      |

| Flare Operation | Temp. | Vac.  | SCFM |
|-----------------|-------|-------|------|
| Flare #1        | 1637  | 3.73" | 139  |
| Flare #2        | 1627  | 1.57" | 205  |
| Flare #3        |       |       |      |

| Flare Operation | Temp. | Vac. | SCFM |
|-----------------|-------|------|------|
| Flare #1        |       |      |      |
| Flare #2        |       |      |      |
| Flare #3        |       |      |      |

| Blower Oper. | RPM  | Hours  |
|--------------|------|--------|
| Blower #1    |      |        |
| Blower #2    | 2100 | 6170.1 |
| Blower #3    |      |        |

| LFG at Inlets | 6A NE | Vista | F9 / B9 |
|---------------|-------|-------|---------|
| Vacuum        |       |       |         |
| SCFM          |       |       |         |

Air Compressor Hours: 11158.4  
 Google SCFM: am: 0 pm: \_\_\_\_\_

Back Up Generator Running \_\_\_\_\_ yes / no  
 Control Room Bypass \_\_\_\_\_ yes / no

| LFG at Inlets | 6A NE  | Vista  | F9 / B9 |
|---------------|--------|--------|---------|
| CH4 %         | 48.5   | 51.6   | 46.9    |
| CO2 %         | 32.2   | 33.5   | 30.8    |
| O2 %          | 2.4    | 0.9    | 3.9     |
| Vacuum        | -40.9" | -40.2" | -41.1"  |
| SCFM          | 191    | 224    | 84      |
| Temperature   | 54     | 55     | 53      |

The facility's program logic controller automatically reacted diligently and expeditiously to shut down the flare station, closed the shutdown valve as programmed isolating all LFG in the piping system to avoid excess emissions, and notified the staff.

The program logic controller or staff restarted the flare station and / or back-up generator in a diligent and expeditious manner to avoid excess emissions.

Comments and/or Description of Malfunction and Affected Equipment: \_\_\_\_\_

Time of Shutdown: \_\_\_\_\_  
 Time of Start-Up: \_\_\_\_\_  
 Duration of Shutdown/Malfunction: \_\_\_\_\_

Reason for Shutdown/Malfunction: \_\_\_\_\_  
 Air-Compressor System  Blower  High Gas Flow  
 High Temperature  LEL  Low Gas Flow  
 Low Temperature  UV Scanner System  
 Power Failure  Scheduled Preventive Maintenance

Emission Exceedence: \_\_\_\_\_ yes\* / no  
 SSM Plan Procedures Followed: \_\_\_\_\_ yes / no\*  
 If SSM Plan Procedure not followed, explain procedure used: \_\_\_\_\_

\* If Emission Exceedence or SSM Procedures are not followed it must be reported to EPA/BAAQMD within 24 hours per SSM plan. (Report to EEC immediately and complete departure report)

Are any comments, descriptions, other information, etc. continued on the back side? \_\_\_\_\_ yes / no

Signature \_\_\_\_\_ Date \_\_\_\_\_

SSM PLAN REPORT FORM /  
 FLARE STATION DAILY CHECKLIST  
 City of Mountain View Flare Station

Date February 21<sup>st</sup>, 2023  
 s m t w t h f s

AM MONITORING

Name Jason R. Bean  
 Arrival Time 6:40 AM Departure Time 6:54 PM  
 GEM# EMULSION #2 Manometer  yes  no

LFG to Flares

| CH4 % | CO2 % | O2 % |
|-------|-------|------|
| 52.2  | 33.8  | 1.8  |

| Flare Operation | Temp. | Vac. | SCFM |
|-----------------|-------|------|------|
| Flare #1        | 1626  | 577" | 171  |
| Flare #2        | 1617  | 201" | 230  |
| Flare #3        |       |      |      |

| Blower Oper. | RPM  | Hours  |
|--------------|------|--------|
| Blower #1    |      |        |
| Blower #2    | 2100 | 6482.9 |
| Blower #3    |      |        |

Air Compressor Hours: 11189.1

Google SCFM: am: 0 pm:

| LFG at Inlets | 6A NE  | Vista  | F9 / B9 |
|---------------|--------|--------|---------|
| CH4 %         | 52.8   | 53.7   | 49.6    |
| CO2 %         | 34.1   | 34.8   | 32.3    |
| O2 %          | 1.6    | 0.7    | 3.1     |
| Vacuum        | -38.3" | -37.9" | -38.5"  |
| SCFM          | 184    | 213    | 89      |
| Temperature   | 55     | 57     | 56      |

Time of Shutdown:  
 Time of Start-Up:  
 Duration of Shutdown/Malfunction:

Reason for Shutdown/Malfunction:

- Air-Compressor System
- Blower
- High Gas Flow
- High Temperature
- LEL
- Low Gas Flow
- Low Temperature
- UV Scanner System
- Power Failure
- Scheduled Preventive Maintenance

PM MONITORING

Name \_\_\_\_\_  
 Arrival Time \_\_\_\_\_ Departure Time \_\_\_\_\_  
 GEM# \_\_\_\_\_ Manometer \_\_\_\_\_ yes / no

LFG to Flares

| CH4 % | CO2 % | O2 % |
|-------|-------|------|
|       |       |      |

| Flare Operation | Temp. | Vac. | SCFM |
|-----------------|-------|------|------|
| Flare #1        |       |      |      |
| Flare #2        |       |      |      |
| Flare #3        |       |      |      |

| LFG at Inlets | 6A NE | Vista | F9 / B9 |
|---------------|-------|-------|---------|
| Vacuum        |       |       |         |
| SCFM          |       |       |         |

Back Up Generator Running \_\_\_\_\_ yes / no

Control Room Bypass \_\_\_\_\_ yes / no

The facility's program logic controller automatically reacted diligently and expeditiously to shut down the flare station, closed the shutdown valve as programmed isolating all LFG in the piping system to avoid excess emissions, and notified the staff. \_\_\_\_\_ yes / no

The program logic controller or staff restarted the flare station and / or back-up generator in a diligent and expeditious manner to avoid excess emissions. \_\_\_\_\_ yes / no

Comments and/or Description of Malfunction and Affected Equipment: \_\_\_\_\_

Emission Exceedence: \_\_\_\_\_ yes\* / no

SSM Plan Procedures Followed: \_\_\_\_\_ yes / no\*

If SSM Plan Procedure not followed, explain procedure used: \_\_\_\_\_

\* If Emission Exceedence or SSM Procedures are not followed it must be reported to EPA/BAAQMD within 24 hours per SSM plan. (Report to EEC immediately and complete departure report)

Are any comments, descriptions, other information, etc. continued on the back side? \_\_\_\_\_ yes / no

Signature \_\_\_\_\_

Date \_\_\_\_\_

SSM PLAN REPORT FORM /  
FLARE STATION DAILY CHECKLIST  
City of Mountain View Flare Station

Date February 22<sup>nd</sup>, 2023  
s m t w th f s

AM MONITORING

Name Jason R. Bean  
Arrival Time 6:38pm Departure Time 6:51pm  
GEM# ENVISION #2 Manometer  yes  no

PM MONITORING

Name \_\_\_\_\_  
Arrival Time \_\_\_\_\_ Departure Time \_\_\_\_\_  
GEM# \_\_\_\_\_ Manometer \_\_\_\_\_ yes / no

LFG to Flares

| CH4 % | CO2 % | O2 % |
|-------|-------|------|
| 51.9  | 33.3  | 1.7  |

LFG to Flares

| CH4 % | CO2 % | O2 % |
|-------|-------|------|
|       |       |      |

| Flare Operation | Temp. | Vac.  | SCFM |
|-----------------|-------|-------|------|
| Flare #1        | 1639  | 5.71" | 168  |
| Flare #2        | 1622  | 1.99" | 221  |
| Flare #3        |       |       |      |

| Flare Operation | Temp. | Vac. | SCFM |
|-----------------|-------|------|------|
| Flare #1        |       |      |      |
| Flare #2        |       |      |      |
| Flare #3        |       |      |      |

| Blower Oper. | RPM  | Hours   |
|--------------|------|---------|
| Blower #1    |      |         |
| Blower #2    | 2100 | 64846.1 |
| Blower #3    |      |         |

| LFG at Inlets | 6A NE | Vista | F9 / B9 |
|---------------|-------|-------|---------|
| Vacuum        |       |       |         |
| SCFM          |       |       |         |

Air Compressor Hours: 11195.3  
Google SCFM: am: 0 pm: \_\_\_\_\_

Back Up Generator Running \_\_\_\_\_ yes / no

Control Room Bypass \_\_\_\_\_ yes / no

| LFG at Inlets | 6A NE  | Vista  | F9 / B9 |
|---------------|--------|--------|---------|
| CH4 %         | 53.1   | 53.6   | 49.1    |
| CO2 %         | 34.0   | 34.6   | 32.3    |
| O2 %          | 1.5    | 0.7    | 3.1     |
| Vacuum        | -38.4" | -37.7" | -38.8"  |
| SCFM          | 186    | 208    | 106     |
| Temperature   | 54     | 56     | 55      |

The facility's program logic controller automatically reacted diligently and expeditiously to shut down the flare station, closed the shutdown valve as programmed isolating all LFG in the piping system to avoid excess emissions, and notified the staff. \_\_\_\_\_ yes / no

The program logic controller or staff restarted the flare station and / or back-up generator in a diligent and expeditious manner to avoid excess emissions. \_\_\_\_\_ yes / no

Comments and/or Description of Malfunction and Affected Equipment: \_\_\_\_\_

Time of Shutdown: \_\_\_\_\_  
Time of Start-Up: \_\_\_\_\_  
Duration of Shutdown/Malfunction: \_\_\_\_\_

Reason for Shutdown/Malfunction: \_\_\_\_\_  
 Air-Compressor System  Blower  High Gas Flow  
 High Temperature  LEL  Low Gas Flow  
 Low Temperature  UV Scanner System  
 Power Failure  Scheduled Preventive Maintenance

Emission Exceedence: \_\_\_\_\_ yes\* / no

SSM Plan Procedures Followed: \_\_\_\_\_ yes / no\*

If SSM Plan Procedure not followed, explain procedure used: \_\_\_\_\_

\* If Emission Exceedence or SSM Procedures are not followed it must be reported to EPA/BAAQMD within 24 hours per SSM plan. (Report to EEC immediately and complete departure report)

Are any comments, descriptions, other information, etc. continued on the back side? \_\_\_\_\_ yes / no

Signature \_\_\_\_\_

Date \_\_\_\_\_



**SSM PLAN REPORT FORM /  
FLARE STATION DAILY CHECKLIST**  
City of Mountain View Flare Station

Date March 1<sup>st</sup>, 2023  
s m t w th f s

**AM MONITORING**

**PM MONITORING**

Name Adrian Vega

Name \_\_\_\_\_

Arrival Time 7:07 AM Departure Time 7:19 AM

Arrival Time \_\_\_\_\_ Departure Time \_\_\_\_\_

GEM# Envision #2 Manometer  yes no

GEM# \_\_\_\_\_ Manometer \_\_\_\_\_ yes / no

LFG to Flares

| CH4 %       | CO2 %       | O2 %       |
|-------------|-------------|------------|
| <u>51.9</u> | <u>34.4</u> | <u>1.4</u> |

LFG to Flares

| CH4 % | CO2 % | O2 % |
|-------|-------|------|
|       |       |      |

| Flare Operation | Temp.       | Vac.         | SCFM       |
|-----------------|-------------|--------------|------------|
| Flare #1        | <u>1619</u> | <u>3.61"</u> | <u>136</u> |
| Flare #2        | <u>1622</u> | <u>1.15"</u> | <u>174</u> |
| Flare #3        |             |              |            |

| Flare Operation | Temp. | Vac. | SCFM |
|-----------------|-------|------|------|
| Flare #1        |       |      |      |
| Flare #2        |       |      |      |
| Flare #3        |       |      |      |

| Blower Oper. | RPM         | Hours           |
|--------------|-------------|-----------------|
| Blower #1    |             |                 |
| Blower #2    | <u>2100</u> | <u>165015.9</u> |
| Blower #3    |             |                 |

| LFG at Inlets | 6A NE | Vista | F9 / B9 |
|---------------|-------|-------|---------|
| Vacuum        |       |       |         |
| SCFM          |       |       |         |

Air Compressor Hours: 11238.6

Back Up Generator Running \_\_\_\_\_ yes / no

Google SCFM: am: 17 pm: 0

Control Room Bypass \_\_\_\_\_ yes / no

| LFG at Inlets | 6A NE         | Vista         | F9 / B9       |
|---------------|---------------|---------------|---------------|
| CH4 %         | <u>49.5</u>   | <u>54.0</u>   | <u>53.9</u>   |
| CO2 %         | <u>34.0</u>   | <u>35.3</u>   | <u>34.1</u>   |
| O2 %          | <u>1.9</u>    | <u>0.3</u>    | <u>1.6</u>    |
| Vacuum        | <u>-40.3"</u> | <u>-40.1"</u> | <u>-40.2"</u> |
| SCFM          | <u>182</u>    | <u>204</u>    | <u>86</u>     |
| Temperature   | <u>53</u>     | <u>55</u>     | <u>53</u>     |

The facility's program logic controller automatically reacted diligently and expeditiously to shut down the flare station, closed the shutdown valve as programmed isolating all LFG in the piping system to avoid excess emissions, and notified the staff. \_\_\_\_\_ yes / no

The program logic controller or staff restarted the flare station and / or back-up generator in a diligent and expeditious manner to avoid excess emissions. \_\_\_\_\_ yes / no

Comments and/or Description of Malfunction and Affected Equipment: \_\_\_\_\_

Time of Shutdown: \_\_\_\_\_

Time of Start-Up: \_\_\_\_\_

Duration of Shutdown/Malfunction: \_\_\_\_\_

Reason for Shutdown/Malfunction:

- Air-Compressor System     Blower     High Gas Flow
- High Temperature     LEL     Low Gas Flow
- Low Temperature     UV Scanner System
- Power Failure     Scheduled Preventive Maintenance

Emission Exceedence: \_\_\_\_\_ yes\* / no

SSM Plan Procedures Followed: \_\_\_\_\_ yes / no\*

If SSM Plan Procedure not followed, explain procedure used: \_\_\_\_\_

\* If Emission Exceedence or SSM Procedures are not followed it must be reported to EPA/BAAQMD within 24 hours per SSM plan. (Report to EEC immediately and complete departure report)

Are any comments, descriptions, other information, etc. continued on the back side? \_\_\_\_\_ yes / no

Signature \_\_\_\_\_ Date \_\_\_\_\_

**SSM PLAN REPORT FORM /  
FLARE STATION DAILY CHECKLIST**  
City of Mountain View Flare Station

Date March 2<sup>nd</sup>, 2023  
s m t w th f s

**AM MONITORING**

**PM MONITORING**

Name Adrian Vega

Name \_\_\_\_\_

Arrival Time 7:00 AM Departure Time 7:13 AM

Arrival Time \_\_\_\_\_ Departure Time \_\_\_\_\_

GEM# Emulsion #2 Manometer  yes  no

GEM# \_\_\_\_\_ Manometer \_\_\_\_\_ yes / no

**LFG to Flares**

| CH4 %       | CO2 %       | O2 %       |
|-------------|-------------|------------|
| <u>47.2</u> | <u>32.1</u> | <u>2.5</u> |

**LFG to Flares**

| CH4 % | CO2 % | O2 % |
|-------|-------|------|
|       |       |      |

| Flare Operation | Temp.       | Vac.         | SCFM       |
|-----------------|-------------|--------------|------------|
| Flare #1        | <u>1635</u> | <u>4.01"</u> | <u>144</u> |
| Flare #2        | <u>1623</u> | <u>1.29"</u> | <u>185</u> |
| Flare #3        |             |              |            |

| Flare Operation | Temp. | Vac. | SCFM |
|-----------------|-------|------|------|
| Flare #1        |       |      |      |
| Flare #2        |       |      |      |
| Flare #3        |       |      |      |

| Blower Oper. | RPM         | Hours          |
|--------------|-------------|----------------|
| Blower #1    |             |                |
| Blower #2    | <u>2100</u> | <u>15039.8</u> |
| Blower #3    |             |                |

| LFG at Inlets | 6A NE | Vista | F9 / B9 |
|---------------|-------|-------|---------|
| Vacuum        |       |       |         |
| SCFM          |       |       |         |

Air Compressor Hours: 11244.5

Back Up Generator Running \_\_\_\_\_ yes / no

Google SCFM: am: 0 pm: 0

Control Room Bypass \_\_\_\_\_ yes / no

| LFG at Inlets | 6A NE         | Vista         | F9 / B9       |
|---------------|---------------|---------------|---------------|
| CH4 %         | <u>44.7</u>   | <u>53.0</u>   | <u>49.5</u>   |
| CO2 %         | <u>31.0</u>   | <u>34.9</u>   | <u>32.1</u>   |
| O2 %          | <u>3.0</u>    | <u>0.5</u>    | <u>2.5</u>    |
| Vacuum        | <u>-40.8"</u> | <u>-40.2"</u> | <u>-40.7"</u> |
| SCFM          | <u>193</u>    | <u>214</u>    | <u>44</u>     |
| Temperature   | <u>53</u>     | <u>55</u>     | <u>53</u>     |

The facility's program logic controller automatically reacted diligently and expeditiously to shut down the flare station, closed the shutdown valve as programmed isolating all LFG in the piping system to avoid excess emissions, and notified the staff. \_\_\_\_\_ yes / no

The program logic controller or staff restarted the flare station and / or back-up generator in a diligent and expeditious manner to avoid excess emissions. \_\_\_\_\_ yes / no

Comments and/or Description of Malfunction and Affected Equipment: \_\_\_\_\_

Time of Shutdown: \_\_\_\_\_

Time of Start-Up: \_\_\_\_\_

Duration of Shutdown/Malfunction: \_\_\_\_\_

Reason for Shutdown/Malfunction: \_\_\_\_\_

- Air-Compressor System
- Blower
- High Gas Flow
- High Temperature
- LEL
- Low Gas Flow
- Low Temperature
- UV Scanner System
- Power Failure
- Scheduled Preventive Maintenance

Emission Exceedence: \_\_\_\_\_ yes\* / no

SSM Plan Procedures Followed: \_\_\_\_\_ yes / no\*

If SSM Plan Procedure not followed, explain procedure used: \_\_\_\_\_

\* If Emission Exceedence or SSM Procedures are not followed it must be reported to EPA/BAAQMD within 24 hours per SSM plan. (Report to EEC immediately and complete departure report)

Are any comments, descriptions, other information, etc. continued on the back side? \_\_\_\_\_ yes / no

Signature \_\_\_\_\_ Date \_\_\_\_\_

**SSM PLAN REPORT FORM /  
FLARE STATION DAILY CHECKLIST**  
City of Mountain View Flare Station

Date March 6<sup>th</sup> 2023  
s m t w th f s

**AM MONITORING**

Name Adrian Vega

Arrival Time 6:55 AM Departure Time 7:18 AM

GEM# Envision #2 Manometer  yes  no

LFG to Flares

| CH4 %       | CO2 %       | O2 %       |
|-------------|-------------|------------|
| <u>48.5</u> | <u>32.3</u> | <u>2.4</u> |

| Flare Operation | Temp.       | Vac.         | SCFM       |
|-----------------|-------------|--------------|------------|
| Flare #1        | <u>1633</u> | <u>3.98"</u> | <u>143</u> |
| Flare #2        | <u>1620</u> | <u>1.24"</u> | <u>183</u> |
| Flare #3        | /           | /            | /          |

| Blower Oper. | RPM         | Hours          |
|--------------|-------------|----------------|
| Blower #1    | /           | /              |
| Blower #2    | <u>2100</u> | <u>65135.9</u> |
| Blower #3    | /           | /              |

Air Compressor Hours: 11267.6

Google SCFM: am: 6 pm:

| LFG at Inlets | 6A NE         | Vista         | F9 / B9       |
|---------------|---------------|---------------|---------------|
| CH4 %         | <u>46.2</u>   | <u>53.4</u>   | <u>51.1</u>   |
| CO2 %         | <u>31.9</u>   | <u>34.7</u>   | <u>32.0</u>   |
| O2 %          | <u>2.9</u>    | <u>0.8</u>    | <u>2.7</u>    |
| Vacuum        | <u>-40.5"</u> | <u>-39.9"</u> | <u>-40.5"</u> |
| SCFM          | <u>192</u>    | <u>216</u>    | <u>46</u>     |
| Temperature   | <u>54</u>     | <u>55</u>     | <u>53</u>     |

Time of Shutdown:

Time of Start-Up:

Duration of Shutdown/Malfunction:

Reason for Shutdown/Malfunction:

- Air-Compressor System     Blower     High Gas Flow  
 High Temperature     LEL     Low Gas Flow  
 Low Temperature     UV Scanner System  
 Power Failure     Scheduled Preventive Maintenance

Signature

Date

**PM MONITORING**

Name \_\_\_\_\_

Arrival Time \_\_\_\_\_ Departure Time \_\_\_\_\_

GEM# \_\_\_\_\_ Manometer \_\_\_\_\_ yes / no

LFG to Flares

| CH4 % | CO2 % | O2 % |
|-------|-------|------|
|       |       |      |

| Flare Operation | Temp. | Vac. | SCFM |
|-----------------|-------|------|------|
| Flare #1        |       |      |      |
| Flare #2        |       |      |      |
| Flare #3        |       |      |      |

| LFG at Inlets | 6A NE | Vista | F9 / B9 |
|---------------|-------|-------|---------|
| Vacuum        |       |       |         |
| SCFM          |       |       |         |

Back Up Generator Running \_\_\_\_\_ yes / no

Control Room Bypass \_\_\_\_\_ yes / no

The facility's program logic controller automatically reacted diligently and expeditiously to shut down the flare station, closed the shutdown valve as programmed isolating all LFG in the piping system to avoid excess emissions, and notified the staff. \_\_\_\_\_ yes / no

The program logic controller or staff restarted the flare station and / or back-up generator in a diligent and expeditious manner to avoid excess emissions. \_\_\_\_\_ yes / no

Comments and/or Description of Malfunction and Affected Equipment: \_\_\_\_\_

Emission Exceedence: \_\_\_\_\_ yes\* / no

SSM Plan Procedures Followed: \_\_\_\_\_ yes / no\*

If SSM Plan Procedure not followed, explain procedure used: \_\_\_\_\_

\* If Emission Exceedence or SSM Procedures are not followed it must be reported to EPA/BAAQMD within 24 hours per SSM plan. (Report to EEC immediately and complete departure report)

Are any comments, descriptions, other information, etc. continued on the back side? \_\_\_\_\_ yes / no

**SSM PLAN REPORT FORM /  
FLARE STATION DAILY CHECKLIST**  
City of Mountain View Flare Station

Date March 7<sup>th</sup>, 2023  
s m W th f s

**AM MONITORING**

**PM MONITORING**

Name Jason R. Bean

Name \_\_\_\_\_

Arrival Time 6:53 AM Departure Time 7:08 PM

Arrival Time \_\_\_\_\_ Departure Time \_\_\_\_\_

GEM# Envision #2 Manometer  yes  no

GEM# \_\_\_\_\_ Manometer yes / no

LFG to Flares

| CH4 %       | CO2 %       | O2 %       |
|-------------|-------------|------------|
| <u>49.0</u> | <u>32.3</u> | <u>2.5</u> |

LFG to Flares

| CH4 % | CO2 % | O2 % |
|-------|-------|------|
|       |       |      |

| Flare Operation | Temp.       | Vac.         | SCFM       |
|-----------------|-------------|--------------|------------|
| Flare #1        | <u>1628</u> | <u>343"</u>  | <u>134</u> |
| Flare #2        | <u>1630</u> | <u>1.11"</u> | <u>172</u> |
| Flare #3        |             |              |            |

| Flare Operation | Temp. | Vac. | SCFM |
|-----------------|-------|------|------|
| Flare #1        |       |      |      |
| Flare #2        |       |      |      |
| Flare #3        |       |      |      |

| Blower Oper. | RPM         | Hours         |
|--------------|-------------|---------------|
| Blower #1    |             |               |
| Blower #2    | <u>2100</u> | <u>6519.9</u> |
| Blower #3    |             |               |

| LFG at Inlets | 6A NE | Vista | F9 / B9 |
|---------------|-------|-------|---------|
| Vacuum        |       |       |         |
| SCFM          |       |       |         |

Air Compressor Hours: 11273.6

Back Up Generator Running yes / no

Google SCFM: am: 18 pm: \_\_\_\_\_

Control Room Bypass yes / no

| LFG at Inlets | 6A NE         | Vista         | F9 / B9       |
|---------------|---------------|---------------|---------------|
| CH4 %         | <u>45.9</u>   | <u>53.4</u>   | <u>49.8</u>   |
| CO2 %         | <u>31.5</u>   | <u>34.2</u>   | <u>32.5</u>   |
| O2 %          | <u>3.2</u>    | <u>0.8</u>    | <u>3.0</u>    |
| Vacuum        | <u>-41.0"</u> | <u>-40.5"</u> | <u>-40.8"</u> |
| SCFM          | <u>194</u>    | <u>211</u>    | <u>42</u>     |
| Temperature   | <u>54</u>     | <u>55</u>     | <u>53</u>     |

The facility's program logic controller automatically reacted diligently and expeditiously to shut down the flare station, closed the shutdown valve as programmed isolating all LFG in the piping system to avoid excess emissions, and notified the staff.

The program logic controller or staff restarted the flare station and / or back-up generator in a diligent and expeditious manner to avoid excess emissions.

Comments and/or Description of Malfunction and Affected Equipment: \_\_\_\_\_

Time of Shutdown: \_\_\_\_\_

Time of Start-Up: \_\_\_\_\_

Duration of Shutdown/Malfunction: \_\_\_\_\_

- Reason for Shutdown/Malfunction:
- Air-Compressor System
  - Blower
  - High Gas Flow
  - High Temperature
  - LEL
  - Low Gas Flow
  - Low Temperature
  - UV Scanner System
  - Power Failure
  - Scheduled Preventive Maintenance

Emission Exceedence: yes\* / no

SSM Plan Procedures Followed: yes / no\*

If SSM Plan Procedure not followed, explain procedure used: \_\_\_\_\_

\* If Emission Exceedence or SSM Procedures are not followed it must be reported to EPA/BAAQMD within 24 hours per SSM plan. (Report to EEC immediately and complete departure report)

Are any comments, descriptions, other information, etc. continued on the back side? yes / no

Signature \_\_\_\_\_ Date \_\_\_\_\_

**SSM PLAN REPORT FORM /  
FLARE STATION DAILY CHECKLIST**  
City of Mountain View Flare Station

Date March 8<sup>th</sup>, 2023  
s m t w th f s

**AM MONITORING**

**PM MONITORING**

Name Jason R. Bean  
Arrival Time 6:49 AM Departure Time 7:00 PM  
GEM# EMUSION #2 Manometer  yes  no

Name \_\_\_\_\_  
Arrival Time \_\_\_\_\_ Departure Time \_\_\_\_\_  
GEM# \_\_\_\_\_ Manometer yes / no

LFG to Flares

| CH4 % | CO2 % | O2 % |
|-------|-------|------|
| 49.2  | 32.1  | 2.3  |

LFG to Flares

| CH4 % | CO2 % | O2 % |
|-------|-------|------|
|       |       |      |

| Flare Operation | Temp. | Vac.  | SCFM |
|-----------------|-------|-------|------|
| Flare #1        | 1634  | 3.61" | 137  |
| Flare #2        | 1624  | 1.14" | 175  |
| Flare #3        |       |       |      |

| Flare Operation | Temp. | Vac. | SCFM |
|-----------------|-------|------|------|
| Flare #1        |       |      |      |
| Flare #2        |       |      |      |
| Flare #3        |       |      |      |

| Blower Oper. | RPM  | Hours  |
|--------------|------|--------|
| Blower #1    |      |        |
| Blower #2    | 2100 | 651838 |
| Blower #3    |      |        |

| LFG at Inlets | 6A NE | Vista | F9 / B9 |
|---------------|-------|-------|---------|
| Vacuum        |       |       |         |
| SCFM          |       |       |         |

Air Compressor Hours: 11279.4  
Google SCFM: am: 19 pm: \_\_\_\_\_

Back Up Generator Running yes / no  
Control Room Bypass yes / no  
The facility's program logic controller automatically reacted diligently and expeditiously to shut down the flare station, closed the shutdown valve as programmed isolating all LFG in the piping system to avoid excess emissions, and notified the staff. yes / no

| LFG at Inlets | 6A NE  | Vista  | F9 / B9 |
|---------------|--------|--------|---------|
| CH4 %         | 46.1   | 52.9   | 50.0    |
| CO2 %         | 31.1   | 34.1   | 32.3    |
| O2 %          | 2.9    | 0.8    | 3.1     |
| Vacuum        | -40.9" | -40.3" | -40.8"  |
| SCFM          | 197    | 212    | 46      |
| Temperature   | 54     | 55     | 53      |

The program logic controller or staff restarted the flare station and / or back-up generator in a diligent and expeditious manner to avoid excess emissions. yes / no

Comments and/or Description of Malfunction and Affected Equipment: \_\_\_\_\_

Time of Shutdown: \_\_\_\_\_  
Time of Start-Up: \_\_\_\_\_  
Duration of Shutdown/Malfunction: \_\_\_\_\_

Reason for Shutdown/Malfunction: \_\_\_\_\_  
 Air-Compressor System  Blower  High Gas Flow  
 High Temperature  LEL  Low Gas Flow  
 Low Temperature  UV Scanner System  
 Power Failure  Scheduled Preventive Maintenance

Emission Exceedence: yes\* / no  
SSM Plan Procedures Followed: yes / no\*  
If SSM Plan Procedure not followed, explain procedure used: \_\_\_\_\_

\* If Emission Exceedence or SSM Procedures are not followed it must be reported to EPA/BAAQMD within 24 hours per SSM plan. (Report to EEC immediately and complete departure report)

Are any comments, descriptions, other information, etc. continued on the back side? yes / no

Signature \_\_\_\_\_ Date \_\_\_\_\_

SSM PLAN REPORT FORM /  
 FLARE STATION DAILY CHECKLIST  
 City of Mountain View Flare Station

Date March 13<sup>th</sup>, 2023  
 s m t w th f s

AM MONITORING

Name Adrian Vega  
 Arrival Time 6:55 AM Departure Time 7:12 AM  
 GEM# ENVISION #2 Manometer  yes  no

LFG to Flares

| CH4 %       | CO2 %       | O2 %       |
|-------------|-------------|------------|
| <u>52.9</u> | <u>34.8</u> | <u>1.4</u> |

| Flare Operation | Temp.       | Vac.         | SCFM       |
|-----------------|-------------|--------------|------------|
| Flare #1        | <u>1618</u> | <u>3.15"</u> | <u>126</u> |
| Flare #2        | <u>1630</u> | <u>0.99"</u> | <u>160</u> |
| Flare #3        | /           | /            | /          |

| Blower Oper. | RPM         | Hours          |
|--------------|-------------|----------------|
| Blower #1    | /           | /              |
| Blower #2    | <u>2100</u> | <u>65302.9</u> |
| Blower #3    | /           | /              |

Air Compressor Hours: 11308.2

Google SCFM: am: 0 pm:

| LFG at Inlets | 6A NE         | Vista         | F9 / B9       |
|---------------|---------------|---------------|---------------|
| CH4 %         | <u>51.1</u>   | <u>54.2</u>   | <u>53.4</u>   |
| CO2 %         | <u>34.9</u>   | <u>34.8</u>   | <u>32.9</u>   |
| O2 %          | <u>1.7</u>    | <u>0.5</u>    | <u>2.4</u>    |
| Vacuum        | <u>-40.3"</u> | <u>-39.7"</u> | <u>-40.2"</u> |
| SCFM          | <u>151</u>    | <u>120</u>    | <u>34</u>     |
| Temperature   | <u>56</u>     | <u>57</u>     | <u>57</u>     |

Time of Shutdown:  
 Time of Start-Up:  
 Duration of Shutdown/Malfunction:

Reason for Shutdown/Malfunction:

- Air-Compressor System  Blower  High Gas Flow
- High Temperature  LEL  Low Gas Flow
- Low Temperature  UV Scanner System
- Power Failure  Scheduled Preventive Maintenance

PM MONITORING

Name \_\_\_\_\_  
 Arrival Time \_\_\_\_\_ Departure Time \_\_\_\_\_  
 GEM# \_\_\_\_\_ Manometer \_\_\_\_\_ yes / no

LFG to Flares

| CH4 % | CO2 % | O2 % |
|-------|-------|------|
|       |       |      |

| Flare Operation | Temp. | Vac. | SCFM |
|-----------------|-------|------|------|
| Flare #1        |       |      |      |
| Flare #2        |       |      |      |
| Flare #3        |       |      |      |

| LFG at Inlets | 6A NE | Vista | F9 / B9 |
|---------------|-------|-------|---------|
| Vacuum        |       |       |         |
| SCFM          |       |       |         |

Back Up Generator Running \_\_\_\_\_ yes / no

Control Room Bypass \_\_\_\_\_ yes / no

The facility's program logic controller automatically reacted diligently and expeditiously to shut down the flare station, closed the shutdown valve as programmed isolating all LFG in the piping system to avoid excess emissions, and notified the staff. \_\_\_\_\_ yes / no

The program logic controller or staff restarted the flare station and / or back-up generator in a diligent and expeditious manner to avoid excess emissions. \_\_\_\_\_ yes / no

Comments and/or Description of Malfunction and Affected Equipment: \_\_\_\_\_

Emission Exceedence: \_\_\_\_\_ yes\* / no

SSM Plan Procedures Followed: \_\_\_\_\_ yes / no\*

If SSM Plan Procedure not followed, explain procedure used: \_\_\_\_\_

\* If Emission Exceedence or SSM Procedures are not followed it must be reported to EPA/BAAQMD within 24 hours per SSM plan. (Report to EEC immediately and complete departure report)

Are any comments, descriptions, other information, etc. continued on the back side? \_\_\_\_\_ yes / no

Signature \_\_\_\_\_

Date \_\_\_\_\_

SSM PLAN REPORT FORM /  
 FLARE STATION DAILY CHECKLIST  
 City of Mountain View Flare Station

Date March 15<sup>th</sup>, 2003  
 s m t W th f s

AM MONITORING

Name Adrian Vega  
 Arrival Time 7:10 AM Departure Time 7:26 AM  
 GEM# Envision #2 Manometer  yes  no

LFG to Flares

| CH4 % | CO2 % | O2 % |
|-------|-------|------|
| 48.2  | 32.4  | 2.9  |

| Flare Operation | Temp. | Vac.  | SCFM |
|-----------------|-------|-------|------|
| Flare #1        | 1637  | 3.33" | 130  |
| Flare #2        | 1616  | 1.07" | 167  |
| Flare #3        |       |       |      |

| Blower Oper. | RPM  | Hours   |
|--------------|------|---------|
| Blower #1    |      |         |
| Blower #2    | 2100 | 65350.7 |
| Blower #3    |      |         |

Air Compressor Hours: 11322.4

Google SCFM: am: 0 pm: 0

| LFG at Inlets | 6A NE  | Vista  | F9 / B9 |
|---------------|--------|--------|---------|
| CH4 %         | 47.9   | 54.9   | 46.7    |
| CO2 %         | 33.2   | 35.2   | 30.4    |
| O2 %          | 3.5    | 0.5    | 4.2     |
| Vacuum        | -40.8" | -40.3" | -40.6"  |
| SCFM          | 169    | 124    | 40      |
| Temperature   | 55     | 56     | 55      |

Time of Shutdown:  
 Time of Start-Up:  
 Duration of Shutdown/Malfunction:

Reason for Shutdown/Malfunction:

- Air-Compressor System  Blower  High Gas Flow
- High Temperature  LEL  Low Gas Flow
- Low Temperature  UV Scanner System
- Power Failure  Scheduled Preventive Maintenance

PM MONITORING

Name \_\_\_\_\_  
 Arrival Time \_\_\_\_\_ Departure Time \_\_\_\_\_  
 GEM# \_\_\_\_\_ Manometer  yes /  no

LFG to Flares

| CH4 % | CO2 % | O2 % |
|-------|-------|------|
|       |       |      |

| Flare Operation | Temp. | Vac. | SCFM |
|-----------------|-------|------|------|
| Flare #1        |       |      |      |
| Flare #2        |       |      |      |
| Flare #3        |       |      |      |

| LFG at Inlets | 6A NE | Vista | F9 / B9 |
|---------------|-------|-------|---------|
| Vacuum        |       |       |         |
| SCFM          |       |       |         |

Back Up Generator Running  yes /  no

Control Room Bypass  yes /  no

The facility's program logic controller automatically reacted diligently and expeditiously to shut down the flare station, closed the shutdown valve as programmed isolating all LFG in the piping system to avoid excess emissions, and notified the staff.  yes /  no

The program logic controller or staff restarted the flare station and / or back-up generator in a diligent and expeditious manner to avoid excess emissions.  yes /  no

Comments and/or Description of Malfunction and Affected Equipment:

Emission Exceedence:  yes\* /  no

SSM Plan Procedures Followed:  yes /  no\*

If SSM Plan Procedure not followed, explain procedure used:

\* If Emission Exceedence or SSM Procedures are not followed it must be reported to EPA/BAAQMD within 24 hours per SSM plan. (Report to EEC immediately and complete departure report)

Are any comments, descriptions, other information, etc. continued on the back side?  yes /  no

Signature

Date

SSM PLAN REPORT FORM /  
 FLARE STATION DAILY CHECKLIST  
 City of Mountain View Flare Station

Date March 16<sup>th</sup>, 2023  
 s m t w th f s

AM MONITORING

Name JASON R. BEAN  
 Arrival Time 7:25am Departure Time 7:36am  
 GEM# EMISSION #2 Manometer  yes  no

LFG to Flares

| CH4 %       | CO2 %       | O2 %       |
|-------------|-------------|------------|
| <u>48.8</u> | <u>31.7</u> | <u>3.1</u> |

| Flare Operation | Temp.       | Vac.         | SCFM       |
|-----------------|-------------|--------------|------------|
| Flare #1        | <u>1635</u> | <u>3.41"</u> | <u>132</u> |
| Flare #2        | <u>1627</u> | <u>1.09"</u> | <u>171</u> |
| Flare #3        | /           | /            | /          |

| Blower Oper. | RPM         | Hours         |
|--------------|-------------|---------------|
| Blower #1    | /           | /             |
| Blower #2    | <u>2100</u> | <u>6535.0</u> |
| Blower #3    | /           | /             |

Air Compressor Hours: 11331.9

Google SCFM: am: 0 pm:

| LFG at Inlets | 6A NE         | Vista         | F9 / B9       |
|---------------|---------------|---------------|---------------|
| CH4 %         | <u>44.6</u>   | <u>54.8</u>   | <u>49.0</u>   |
| CO2 %         | <u>31.0</u>   | <u>34.9</u>   | <u>31.2</u>   |
| O2 %          | <u>4.1</u>    | <u>0.6</u>    | <u>3.8</u>    |
| Vacuum        | <u>-41.1"</u> | <u>-40.4"</u> | <u>-41.0"</u> |
| SCFM          | <u>170</u>    | <u>131</u>    | <u>50</u>     |
| Temperature   | <u>55</u>     | <u>56</u>     | <u>55</u>     |

Time of Shutdown:  
 Time of Start-Up:  
 Duration of Shutdown/Malfunction:

Reason for Shutdown/Malfunction:

- Air-Compressor System  Blower  High Gas Flow
- High Temperature  LEL  Low Gas Flow
- Low Temperature  UV Scanner System
- Power Failure  Scheduled Preventive Maintenance

PM MONITORING

Name \_\_\_\_\_  
 Arrival Time \_\_\_\_\_ Departure Time \_\_\_\_\_  
 GEM# \_\_\_\_\_ Manometer \_\_\_\_\_ yes / no

LFG to Flares

| CH4 % | CO2 % | O2 % |
|-------|-------|------|
|       |       |      |

| Flare Operation | Temp. | Vac. | SCFM |
|-----------------|-------|------|------|
| Flare #1        |       |      |      |
| Flare #2        |       |      |      |
| Flare #3        |       |      |      |

| LFG at Inlets | 6A NE | Vista | F9 / B9 |
|---------------|-------|-------|---------|
| Vacuum        |       |       |         |
| SCFM          |       |       |         |

Back Up Generator Running \_\_\_\_\_ yes / no

Control Room Bypass \_\_\_\_\_ yes / no

The facility's program logic controller automatically reacted diligently and expeditiously to shut down the flare station, closed the shutdown valve as programmed isolating all LFG in the piping system to avoid excess emissions, and notified the staff.

The program logic controller or staff restarted the flare station and / or back-up generator in a diligent and expeditious manner to avoid excess emissions.

Comments and/or Description of Malfunction and Affected Equipment:

Emission Exceedence: \_\_\_\_\_ yes\* / no

SSM Plan Procedures Followed: \_\_\_\_\_ yes / no\*

If SSM Plan Procedure not followed, explain procedure used:

\* If Emission Exceedence or SSM Procedures are not followed it must be reported to EPA/BAAQMD within 24 hours per SSM plan. (Report to EEC immediately and complete departure report)

Are any comments, descriptions, other information, etc. continued on the back side? \_\_\_\_\_ yes / no

Signature

Date



**SSM PLAN REPORT FORM /  
FLARE STATION DAILY CHECKLIST**  
City of Mountain View Flare Station

Date March 20<sup>th</sup>, 2023  
s m t w th f s

**AM MONITORING**

Name Adrian Vega  
Arrival Time 6:36 AM Departure Time 6:53 AM  
GEM# Envision #2 Manometer  yes  no

LFG to Flares

| CH4 % | CO2 % | O2 % |
|-------|-------|------|
| 47.6  | 32.0  | 3.1  |

| Flare Operation | Temp. | Vac.  | SCFM |
|-----------------|-------|-------|------|
| Flare #1        | 1615  | 3.53" | 133  |
| Flare #2        | 1623  | 1.15" | 172  |
| Flare #3        | /     | /     | /    |

| Blower Oper. | RPM  | Hours   |
|--------------|------|---------|
| Blower #1    | /    | /       |
| Blower #2    | 2100 | 65470.2 |
| Blower #3    | /    | /       |

Air Compressor Hours: 11354.9

Google SCFM: am: 0 pm:

| LFG at Inlets | 6A NE  | Vista  | F9 / B9 |
|---------------|--------|--------|---------|
| CH4 %         | 48.9   | 54.7   | 42.5    |
| CO2 %         | 34.1   | 35.1   | 27.6    |
| O2 %          | 2.4    | 0.6    | 5.5     |
| Vacuum        | -40.1" | -39.9" | -39.9"  |
| SCFM          | 172    | 117    | 56      |
| Temperature   | 57     | 58     | 57      |

Time of Shutdown:  
Time of Start-Up:  
Duration of Shutdown/Malfunction:

Reason for Shutdown/Malfunction:  
 Air-Compressor System    Blower    High Gas Flow  
 High Temperature    LEL    Low Gas Flow  
 Low Temperature    UV Scanner System  
 Power Failure    Scheduled Preventive Maintenance

Signature \_\_\_\_\_ Date \_\_\_\_\_

**PM MONITORING**

Name \_\_\_\_\_  
Arrival Time \_\_\_\_\_ Departure Time \_\_\_\_\_  
GEM# \_\_\_\_\_ Manometer \_\_\_\_\_ yes / no

LFG to Flares

| CH4 % | CO2 % | O2 % |
|-------|-------|------|
|       |       |      |

| Flare Operation | Temp. | Vac. | SCFM |
|-----------------|-------|------|------|
| Flare #1        |       |      |      |
| Flare #2        |       |      |      |
| Flare #3        |       |      |      |

| LFG at Inlets | 6A NE | Vista | F9 / B9 |
|---------------|-------|-------|---------|
| Vacuum        |       |       |         |
| SCFM          |       |       |         |

Back Up Generator Running \_\_\_\_\_ yes / no

Control Room Bypass \_\_\_\_\_ yes / no

The facility's program logic controller automatically reacted diligently and expeditiously to shut down the flare station, closed the shutdown valve as programmed isolating all LFG in the piping system to avoid excess emissions, and notified the staff. \_\_\_\_\_ yes / no

The program logic controller or staff restarted the flare station and / or back-up generator in a diligent and expeditious manner to avoid excess emissions. \_\_\_\_\_ yes / no

Comments and/or Description of Malfunction and Affected Equipment: \_\_\_\_\_

Emission Exceedence: \_\_\_\_\_ yes\* / no

SSM Plan Procedures Followed: \_\_\_\_\_ yes / no\*

If SSM Plan Procedure not followed, explain procedure used: \_\_\_\_\_

\* If Emission Exceedence or SSM Procedures are not followed it must be reported to EPA/BAAQMD within 24 hours per SSM plan. (Report to EEC immediately and complete departure report)

Are any comments, descriptions, other information, etc. continued on the back side? \_\_\_\_\_ yes / no

**SSM PLAN REPORT FORM /  
FLARE STATION DAILY CHECKLIST**  
City of Mountain View Flare Station

Date March 21<sup>st</sup>, 2023  
s m W th f s

**AM MONITORING**

Name Adrian Vega  
Arrival Time 7:15 AM Departure Time 7:30 AM  
GEM# Emission #2 Manometer  yes no

LFG to Flares

| CH4 % | CO2 % | O2 % |
|-------|-------|------|
| 49.9  | 33.1  | 2.8  |

| Flare Operation | Temp. | Vac.  | SCFM |
|-----------------|-------|-------|------|
| Flare #1        | 1631  | 3.79" | 136  |
| Flare #2        | 1633  | 1.20" | 173  |
| Flare #3        | /     | /     | /    |

| Blower Oper. | RPM  | Hours  |
|--------------|------|--------|
| Blower #1    | /    | /      |
| Blower #2    | 2100 | 6544.7 |
| Blower #3    | /    | /      |

Air Compressor Hours: 11359.8

Google SCFM: am: 0 pm:

| LFG at Inlets | 6A NE  | Vista  | F9 / B9 |
|---------------|--------|--------|---------|
| CH4 %         | 50.9   | 56.5   | 45.1    |
| CO2 %         | 35.0   | 36.5   | 29.3    |
| O2 %          | 2.5    | 0.2    | 4.9     |
| Vacuum        | -39.4" | -38.8" | -39.1"  |
| SCFM          | 172    | 127    | 54      |
| Temperature   | 57     | 58     | 57      |

Time of Shutdown: 1:15 pm  
Time of Start-Up: 1:23 pm  
Duration of Shutdown/Malfunction: 8 min

- Reason for Shutdown/Malfunction:
- Air-Compressor System
  - Blower
  - High Gas Flow
  - High Temperature
  - LEL
  - Low Gas Flow
  - Low Temperature
  - UV Scanner System
  - Power Failure
  - Scheduled Preventive Maintenance

Power failure due to tree striking power line.

**PM MONITORING**

Name \_\_\_\_\_  
Arrival Time \_\_\_\_\_ Departure Time \_\_\_\_\_  
GEM# \_\_\_\_\_ Manometer \_\_\_\_\_ yes / no

LFG to Flares

| CH4 % | CO2 % | O2 % |
|-------|-------|------|
|       |       |      |

| Flare Operation | Temp. | Vac. | SCFM |
|-----------------|-------|------|------|
| Flare #1        |       |      |      |
| Flare #2        |       |      |      |
| Flare #3        |       |      |      |

| LFG at Inlets | 6A NE | Vista | F9 / B9 |
|---------------|-------|-------|---------|
| Vacuum        |       |       |         |
| SCFM          |       |       |         |

Back Up Generator Running  yes / no

Control Room Bypass  yes /  no

The facility's program logic controller automatically reacted diligently and expeditiously to shut down the flare station, closed the shutdown valve as programmed isolating all LFG in the piping system to avoid excess emissions, and notified the staff.  yes / no

The program logic controller or staff restarted the flare station and / or back-up generator in a diligent and expeditious manner to avoid excess emissions.  yes / no

Comments and/or Description of Malfunction and Affected Equipment: \_\_\_\_\_

\_\_\_\_\_

Emission Exceedence: \_\_\_\_\_ yes\* /  no

SSM Plan Procedures Followed: \_\_\_\_\_  yes / no\*

If SSM Plan Procedure not followed, explain procedure used: \_\_\_\_\_

\* If Emission Exceedence or SSM Procedures are not followed it must be reported to EPA/BAAQMD within 24 hours per SSM plan. (Report to EEC immediately and complete departure report)

Are any comments, descriptions, other information, etc. continued on the back side? \_\_\_\_\_ yes /  no

Adrian Vega 3/21/23  
Signature Date

SSM PLAN REPORT FORM /  
 FLARE STATION DAILY CHECKLIST  
 City of Mountain View Flare Station

Date 4-4-2023  
 s m t w t h f s

AM MONITORING

PM MONITORING

Name LEON Lopez  
 Arrival Time 7:20 am Departure Time 7:36 am  
 GEM# CNV # 2 Manometer  yes  no

Name \_\_\_\_\_  
 Arrival Time \_\_\_\_\_ Departure Time \_\_\_\_\_  
 GEM# \_\_\_\_\_ Manometer  yes /  no

LFG to Flares

| CH4 % | CO2 % | O2 % |
|-------|-------|------|
| 48.7  | 31.3  | 3.1  |

LFG to Flares

| CH4 % | CO2 % | O2 % |
|-------|-------|------|
|       |       |      |

| Flare Operation | Temp. | Vac.  | SCFM |
|-----------------|-------|-------|------|
| Flare #1        | 1618  | 1.99" | 98   |
| Flare #2        | 1632  | 1.99" | 204  |
| Flare #3        |       |       |      |

| Flare Operation | Temp. | Vac. | SCFM |
|-----------------|-------|------|------|
| Flare #1        |       |      |      |
| Flare #2        |       |      |      |
| Flare #3        |       |      |      |

| Blower Oper. | RPM  | Hours   |
|--------------|------|---------|
| Blower #1    |      |         |
| Blower #2    |      |         |
| Blower #3    | 2100 | 31128.1 |

| LFG at Inlets | 6A NE | Vista | F9 / B9 |
|---------------|-------|-------|---------|
| Vacuum        |       |       |         |
| SCFM          |       |       |         |

Air Compressor Hours: 11480.0  
 Google SCFM: am: 20 pm: \_\_\_\_\_

Back Up Generator Running  yes /  no  
 Control Room Bypass  yes /  no  
 The facility's program logic controller automatically reacted diligently and expeditiously to shut down the flare station, closed the shutdown valve as programmed isolating all LFG in the piping system to avoid excess emissions, and notified the staff.  yes /  no

| LFG at Inlets | 6A NE  | Vista  | F9 / B9 |
|---------------|--------|--------|---------|
| CH4 %         | 48.9   | 55.3   | 49.2    |
| CO2 %         | 32.6   | 39.8   | 28.5    |
| O2 %          | 2.9    | 0.6    | 5.3     |
| Vacuum        | -42.8" | -42.0" | -42.5"  |
| SCFM          | 182    | 211    | 54      |
| Temperature   | 56     | 57     | 55      |

The program logic controller or staff restarted the flare station and / or back-up generator in a diligent and expeditious manner to avoid excess emissions.  yes /  no

Comments and/or Description of Malfunction and Affected Equipment: \_\_\_\_\_

Time of Shutdown: \_\_\_\_\_  
 Time of Start-Up: \_\_\_\_\_  
 Duration of Shutdown/Malfunction: \_\_\_\_\_

Reason for Shutdown/Malfunction:  
 Air-Compressor System  Blower  High Gas Flow  
 High Temperature  LEL  Low Gas Flow  
 Low Temperature  UV Scanner System  
 Power Failure  Scheduled Preventive Maintenance

Emission Exceedence:  yes\* /  no  
 SSM Plan Procedures Followed:  yes /  no\*  
 If SSM Plan Procedure not followed, explain procedure used: \_\_\_\_\_

\* If Emmission Exceedence or SSM Procedures are not followed it must be reported to EPA/BAAQMD within 24 hours per SSM plan. (Report to EEC immediately and complete departure report)

Are any comments, descriptions, other information, etc. continued on the back side?  yes /  no

Signature \_\_\_\_\_ Date \_\_\_\_\_

SSM PLAN REPORT FORM /  
 FLARE STATION DAILY CHECKLIST  
 City of Mountain View Flare Station

Date 4-6-23  
 s m t w th f s

AM MONITORING

Name LEON ROSARIO  
 Arrival Time 8:50am Departure Time 9am  
 GEM# CNV #2 Manometer  yes / no

LFG to Flares

| CH4 % | CO2 % | O2 % |
|-------|-------|------|
| 50.1  | 32.1  | 2.5  |

| Flare Operation | Temp. | Vac.  | SCFM |
|-----------------|-------|-------|------|
| Flare #1        | 1619  | 2.25" | 112  |
| Flare #2        | 1636  | 2.17" | 226  |
| Flare #3        | ✓     | ✓     | ✓    |

| Blower Oper. | RPM  | Hours  |
|--------------|------|--------|
| Blower #1    | ✓    | ✓      |
| Blower #2    | ✓    | ✓      |
| Blower #3    | 2100 | 3117.6 |

Air Compressor Hours: 11495.4  
 Google SCFM: am: 18 pm:

| LFG at Inlets | 6A NE  | Vista  | F9 / B9 |
|---------------|--------|--------|---------|
| CH4 %         | 51.2   | 55.6   | 45.8    |
| CO2 %         | 43.7   | 39.7   | 28.3    |
| O2 %          | 1.5    | 0.6    | 4.7     |
| Vacuum        | -41.3" | -41.1" | -41.1"  |
| SCFM          | 232    | 207    | 98      |
| Temperature   | 57     | 58     | 58      |

Time of Shutdown: 1:50PM 4/6/23  
 Time of Start-Up: 2:20PM 4/6/23  
 Duration of Shutdown/Malfunction: 30Min

Reason for Shutdown/Malfunction: Low Gas Flow  
 Air-Compressor System  Blower  High Gas Flow  
 High Temperature  LEL  Low Gas Flow  
 Low Temperature  UV Scanner System  
 Power Failure  Scheduled Preventive Maintenance

Switched 6ANE gas flow to F9.

Signature [Signature] Date 4/6/23

PM MONITORING

Name \_\_\_\_\_  
 Arrival Time \_\_\_\_\_ Departure Time \_\_\_\_\_  
 GEM# \_\_\_\_\_ Manometer \_\_\_\_\_ yes / no

LFG to Flares

| CH4 % | CO2 % | O2 % |
|-------|-------|------|
|       |       |      |

| Flare Operation | Temp. | Vac. | SCFM |
|-----------------|-------|------|------|
| Flare #1        |       |      |      |
| Flare #2        |       |      |      |
| Flare #3        |       |      |      |

| LFG at Inlets | 6A NE | Vista | F9 / B9 |
|---------------|-------|-------|---------|
| Vacuum        |       |       |         |
| SCFM          |       |       |         |

Back Up Generator Running  yes /  no

Control Room Bypass  yes /  no

The facility's program logic controller automatically reacted diligently and expeditiously to shut down the flare station, closed the shutdown valve as programmed isolating all LFG in the piping system to avoid excess emissions, and notified the staff.  yes / no

The program logic controller or staff restarted the flare station and / or back-up generator in a diligent and expeditious manner to avoid excess emissions.  yes / no

Comments and/or Description of Malfunction and Affected Equipment:

Emission Exceedence:  yes\* /  no

SSM Plan Procedures Followed:  yes /  no\*

If SSM Plan Procedure not followed, explain procedure used:

\* If Emission Exceedence or SSM Procedures are not followed it must be reported to EPA/BAAQMD within 24 hours per SSM plan. (Report to EEC immediately and complete departure report)

Are any comments, descriptions, other information, etc. continued on the back side?  yes /  no

SSM PLAN REPORT FORM /  
FLARE STATION DAILY CHECKLIST  
City of Mountain View Flare Station

Date 4-11-2023  
s m t w th f s

AM MONITORING

PM MONITORING

Name RAUL BANDA

Name \_\_\_\_\_

Arrival Time 5:38 AM Departure Time 5:54 AM

Arrival Time \_\_\_\_\_ Departure Time \_\_\_\_\_

GEM# ENV #2 Manometer  yes  no

GEM# \_\_\_\_\_ Manometer \_\_\_\_\_ yes / no

LFG to Flares

| CH4 %       | CO2 %       | O2 %       |
|-------------|-------------|------------|
| <u>46.8</u> | <u>29.9</u> | <u>3.9</u> |

LFG to Flares

| CH4 % | CO2 % | O2 % |
|-------|-------|------|
|       |       |      |

| Flare Operation | Temp.       | Vac.         | SCFM       |
|-----------------|-------------|--------------|------------|
| Flare #1        | <u>1619</u> | <u>1.91"</u> | <u>98</u>  |
| Flare #2        | <u>1616</u> | <u>1.51"</u> | <u>198</u> |
| Flare #3        | <u> </u>    | <u> </u>     | <u> </u>   |

| Flare Operation | Temp. | Vac. | SCFM |
|-----------------|-------|------|------|
| Flare #1        |       |      |      |
| Flare #2        |       |      |      |
| Flare #3        |       |      |      |

| Blower Oper. | RPM         | Hours          |
|--------------|-------------|----------------|
| Blower #1    | <u> </u>    | <u> </u>       |
| Blower #2    | <u> </u>    | <u> </u>       |
| Blower #3    | <u>2200</u> | <u>31291.9</u> |

| LFG at Inlets | 6A NE | Vista | F9 / B9 |
|---------------|-------|-------|---------|
| Vacuum        |       |       |         |
| SCFM          |       |       |         |

Air Compressor Hours: 11524.3

Back Up Generator Running \_\_\_\_\_ yes / no

Google SCFM: am: 14 pm: \_\_\_\_\_

Control Room Bypass \_\_\_\_\_ yes / no

| LFG at Inlets | 6A NE         | Vista         | F9 / B9       |
|---------------|---------------|---------------|---------------|
| CH4 %         | <u>16.1</u>   | <u>54.7</u>   | <u>48.3</u>   |
| CO2 %         | <u>9.4</u>    | <u>34.0</u>   | <u>31.9</u>   |
| O2 %          | <u>15.4</u>   | <u>1.0</u>    | <u>3.3</u>    |
| Vacuum        | <u>-44.9"</u> | <u>-44.2"</u> | <u>-44.7"</u> |
| SCFM          | <u>11</u>     | <u>124</u>    | <u>136</u>    |
| Temperature   | <u>60</u>     | <u>60</u>     | <u>61</u>     |

The facility's program logic controller automatically reacted diligently and expeditiously to shut down the flare station, closed the shutdown valve as programmed, isolating all LFG in the piping system to avoid excess emissions, and notified the staff.

The program logic controller or staff restarted the flare station and / or back-up generator in a diligent and expeditious manner to avoid excess emissions.

Comments and/or Description of Malfunction and Affected Equipment: \_\_\_\_\_

Time of Shutdown: \_\_\_\_\_

Time of Start-Up: \_\_\_\_\_

Duration of Shutdown/Malfunction: \_\_\_\_\_

Reason for Shutdown/Malfunction: \_\_\_\_\_

- Air-Compressor System     Blower     High Gas Flow  
 High Temperature     LEL     Low Gas Flow  
 Low Temperature     UV Scanner System  
 Power Failure     Scheduled Preventive Maintenance

Emission Exceedence: \_\_\_\_\_ yes\* / no

SSM Plan Procedures Followed: \_\_\_\_\_ yes / no\*

If SSM Plan Procedure not followed, explain procedure used: \_\_\_\_\_

\* If Emission Exceedence or SSM Procedures are not followed it must be reported to EPA/BAAQMD within 24 hours per SSM plan. (Report to EEC immediately and complete departure report)

Are any comments, descriptions, other information, etc. continued on the back side? \_\_\_\_\_ yes / no

Signature \_\_\_\_\_

Date \_\_\_\_\_

SSM PLAN REPORT FORM /  
FLARE STATION DAILY CHECKLIST  
City of Mountain View Flare Station

Date 4-12-2023  
s m t w th f s

AM MONITORING

PM MONITORING

Name RAUL BANDA

Name \_\_\_\_\_

Arrival Time 7:07 AM Departure Time 7:21 AM

Arrival Time \_\_\_\_\_ Departure Time \_\_\_\_\_

GEM# ENV # 2 Manometer yes no

GEM# \_\_\_\_\_ Manometer \_\_\_\_\_ yes / no

LFG to Flares

| CH4 %       | CO2 %       | O2 %       |
|-------------|-------------|------------|
| <u>47.0</u> | <u>29.6</u> | <u>3.2</u> |

LFG to Flares

| CH4 % | CO2 % | O2 % |
|-------|-------|------|
|       |       |      |

| Flare Operation | Temp.       | Vac.         | SCFM       |
|-----------------|-------------|--------------|------------|
| Flare #1        | <u>1624</u> | <u>8.53"</u> | <u>207</u> |
| Flare #2        | <u>1610</u> | <u>7.75"</u> | <u>445</u> |
| Flare #3        | <u> </u>    | <u> </u>     | <u> </u>   |

| Flare Operation | Temp. | Vac. | SCFM |
|-----------------|-------|------|------|
| Flare #1        |       |      |      |
| Flare #2        |       |      |      |
| Flare #3        |       |      |      |

| Blower Oper. | RPM         | Hours          |
|--------------|-------------|----------------|
| Blower #1    | <u> </u>    | <u> </u>       |
| Blower #2    | <u> </u>    | <u> </u>       |
| Blower #3    | <u>2200</u> | <u>31317.4</u> |

| LFG at Inlets | 6A NE | Vista | F9 / B9 |
|---------------|-------|-------|---------|
| Vacuum        |       |       |         |
| SCFM          |       |       |         |

Air Compressor Hours: 11531.0

Back Up Generator Running \_\_\_\_\_ yes / no

Google SCFM: am: 15 pm: \_\_\_\_\_

Control Room Bypass \_\_\_\_\_ yes / no

| LFG at Inlets | 6A NE         | Vista         | F9 / B9       |
|---------------|---------------|---------------|---------------|
| CH4 %         | <u>46.0</u>   | <u>55.2</u>   | <u>41.2</u>   |
| CO2 %         | <u>29.6</u>   | <u>34.5</u>   | <u>27.1</u>   |
| O2 %          | <u>3.0</u>    | <u>0.9</u>    | <u>5.8</u>    |
| Vacuum        | <u>-38.9"</u> | <u>-38.3"</u> | <u>-38.5"</u> |
| SCFM          | <u>365</u>    | <u>124</u>    | <u>102</u>    |
| Temperature   | <u>59</u>     | <u>59</u>     | <u>58</u>     |

The facility's program logic controller automatically reacted diligently and expeditiously to shut down the flare station, closed the shutdown valve as programmed isolating all LFG in the piping system to avoid excess emissions, and notified the staff. \_\_\_\_\_

The program logic controller or staff restarted the flare station and / or back-up generator in a diligent and expeditious manner to avoid excess emissions. \_\_\_\_\_ yes / no

Comments and/or Description of Malfunction and Affected Equipment: \_\_\_\_\_

Time of Shutdown: \_\_\_\_\_

Time of Start-Up: \_\_\_\_\_

Duration of Shutdown/Malfunction: \_\_\_\_\_

Reason for Shutdown/Malfunction: \_\_\_\_\_

- Air-Compressor System     Blower     High Gas Flow  
 High Temperature     LEL     Low Gas Flow  
 Low Temperature     UV Scanner System  
 Power Failure     Scheduled Preventive Maintenance

Emission Exceedence: \_\_\_\_\_ yes\* / no

SSM Plan Procedures Followed: \_\_\_\_\_ yes / no\*

If SSM Plan Procedure not followed, explain procedure used: \_\_\_\_\_

\* If Emission Exceedence or SSM Procedures are not followed it must be reported to EPA/BAAQMD within 24 hours per SSM plan. (Report to EEC immediately and complete departure report)

Are any comments, descriptions, other information, etc. continued on the back side? \_\_\_\_\_ yes / no

Signature \_\_\_\_\_

Date \_\_\_\_\_

SSM PLAN REPORT FORM /  
 FLARE STATION DAILY CHECKLIST  
 City of Mountain View Flare Station

Date April 13<sup>th</sup>, 2023  
 s m t w th f s

AM MONITORING

PM MONITORING

Name Jason R. Bean  
 Arrival Time 6:20am Departure Time 6:33am  
 GEM# EMVISION #2 Manometer  yes  no

Name \_\_\_\_\_  
 Arrival Time \_\_\_\_\_ Departure Time \_\_\_\_\_  
 GEM# \_\_\_\_\_ Manometer  yes /  no

LFG to Flares

| CH4 %       | CO2 %       | O2 %       |
|-------------|-------------|------------|
| <u>43.0</u> | <u>28.6</u> | <u>3.8</u> |

LFG to Flares

| CH4 % | CO2 % | O2 % |
|-------|-------|------|
|       |       |      |

| Flare Operation | Temp.       | Vac.         | SCFM       |
|-----------------|-------------|--------------|------------|
| Flare #1        | <u>1617</u> | <u>7.08"</u> | <u>205</u> |
| Flare #2        | <u>1616</u> | <u>6.20"</u> | <u>437</u> |
| Flare #3        |             |              |            |

| Flare Operation | Temp. | Vac. | SCFM |
|-----------------|-------|------|------|
| Flare #1        |       |      |      |
| Flare #2        |       |      |      |
| Flare #3        |       |      |      |

| Blower Oper. | RPM         | Hours          |
|--------------|-------------|----------------|
| Blower #1    |             |                |
| Blower #2    |             |                |
| Blower #3    | <u>2200</u> | <u>31340.6</u> |

| LFG at Inlets | 6A NE | Vista | F9 / B9 |
|---------------|-------|-------|---------|
| Vacuum        |       |       |         |
| SCFM          |       |       |         |

Air Compressor Hours: 11537.0

Back Up Generator Running  yes /  no

Google SCFM: am: 16 pm: \_\_\_\_\_

Control Room Bypass  yes /  no

| LFG at Inlets | 6A NE         | Vista         | F9 / B9       |
|---------------|---------------|---------------|---------------|
| CH4 %         | <u>40.2</u>   | <u>55.7</u>   | <u>41.5</u>   |
| CO2 %         | <u>27.8</u>   | <u>34.5</u>   | <u>27.6</u>   |
| O2 %          | <u>3.9</u>    | <u>0.9</u>    | <u>5.6</u>    |
| Vacuum        | <u>-40.4"</u> | <u>-39.6"</u> | <u>-39.4"</u> |
| SCFM          | <u>365</u>    | <u>129</u>    | <u>104</u>    |
| Temperature   | <u>59</u>     | <u>59</u>     | <u>58</u>     |

The facility's program logic controller automatically reacted diligently and expeditiously to shut down the flare station, closed the shutdown valve as programmed isolating all LFG in the piping system to avoid excess emissions, and notified the staff.

The program logic controller or staff restarted the flare station and / or back-up generator in a diligent and expeditious manner to avoid excess emissions.  yes /  no

Comments and/or Description of Malfunction and Affected Equipment: \_\_\_\_\_

Time of Shutdown: \_\_\_\_\_  
 Time of Start-Up: \_\_\_\_\_  
 Duration of Shutdown/Malfunction: \_\_\_\_\_

- Reason for Shutdown/Malfunction:
- Air-Compressor System
  - Blower
  - High Gas Flow
  - High Temperature
  - LEL
  - Low Gas Flow
  - Low Temperature
  - UV Scanner System
  - Power Failure
  - Scheduled Preventive Maintenance

Emission Exceedence:  yes\* /  no

SSM Plan Procedures Followed:  yes /  no\*

If SSM Plan Procedure not followed, explain procedure used: \_\_\_\_\_

\* If Emission Exceedence or SSM Procedures are not followed it must be reported to EPA/BAAQMD within 24 hours per SSM plan. (Report to EEC immediately and complete departure report)

Are any comments, descriptions, other information, etc. continued on the back side?  yes /  no

Signature \_\_\_\_\_ Date \_\_\_\_\_

SSM PLAN REPORT FORM /  
 FLARE STATION DAILY CHECKLIST  
 City of Mountain View Flare Station

Date April 17<sup>th</sup>, 2023  
 s m t w th f s

AM MONITORING

Name Adrian Vega  
 Arrival Time 6:50 AM Departure Time 7:10 AM  
 GEM# Emission #2 Manometer  yes  no

PM MONITORING

Name \_\_\_\_\_  
 Arrival Time \_\_\_\_\_ Departure Time \_\_\_\_\_  
 GEM# \_\_\_\_\_ Manometer  yes  no

LFG to Flares

| CH4 %       | CO2 %       | O2 %       |
|-------------|-------------|------------|
| <u>46.9</u> | <u>30.6</u> | <u>3.7</u> |

LFG to Flares

| CH4 % | CO2 % | O2 % |
|-------|-------|------|
|       |       |      |

| Flare Operation | Temp.       | Vac.         | SCFM       |
|-----------------|-------------|--------------|------------|
| Flare #1        | <u>1626</u> | <u>3.13"</u> | <u>125</u> |
| Flare #2        | <u>1632</u> | <u>2.55"</u> | <u>258</u> |
| Flare #3        |             |              |            |

| Flare Operation | Temp. | Vac. | SCFM |
|-----------------|-------|------|------|
| Flare #1        |       |      |      |
| Flare #2        |       |      |      |
| Flare #3        |       |      |      |

| Blower Oper. | RPM         | Hours          |
|--------------|-------------|----------------|
| Blower #1    |             |                |
| Blower #2    |             |                |
| Blower #3    | <u>2200</u> | <u>31437.2</u> |

| LFG at Inlets | 6A NE | Vista | F9 / B9 |
|---------------|-------|-------|---------|
| Vacuum        |       |       |         |
| SCFM          |       |       |         |

Air Compressor Hours: 11563.0  
 Google SCFM: am: 13 pm: \_\_\_\_\_

Back Up Generator Running  yes  no  
 Control Room Bypass  yes  no

| LFG at Inlets | 6A NE        | Vista        | F9 / B9      |
|---------------|--------------|--------------|--------------|
| CH4 %         | <u>48.3</u>  | <u>56.0</u>  | <u>38.2</u>  |
| CO2 %         | <u>32.6</u>  | <u>34.6</u>  | <u>25.0</u>  |
| O2 %          | <u>2.8</u>   | <u>1.0</u>   | <u>6.9</u>   |
| Vacuum        | <u>44.8"</u> | <u>44.2"</u> | <u>44.4"</u> |
| SCFM          | <u>217</u>   | <u>137</u>   | <u>100</u>   |
| Temperature   | <u>59</u>    | <u>60</u>    | <u>59</u>    |

The facility's program logic controller automatically reacted diligently and expeditiously to shut down the flare station, closed the shutdown valve as programmed isolating all LFG in the piping system to avoid excess emissions, and notified the staff.

The program logic controller or staff restarted the flare station and / or back-up generator in a diligent and expeditious manner to avoid excess emissions.

Comments and/or Description of Malfunction and Affected Equipment:

Time of Shutdown: \_\_\_\_\_  
 Time of Start-Up: \_\_\_\_\_  
 Duration of Shutdown/Malfunction: \_\_\_\_\_

- Reason for Shutdown/Malfunction:
- Air-Compressor System
  - Blower
  - High Gas Flow
  - High Temperature
  - LEL
  - Low Gas Flow
  - Low Temperature
  - UV Scanner System
  - Power Failure
  - Scheduled Preventive Maintenance

Emission Exceedence:  yes\*  no  
 SSM Plan Procedures Followed:  yes  no\*  
 If SSM Plan Procedure not followed, explain procedure used:

\* If Emission Exceedence or SSM Procedures are not followed it must be reported to EPA/BAAQMD within 24 hours per SSM plan. (Report to EEC immediately and complete departure report)

Are any comments, descriptions, other information, etc. continued on the back side?  yes  no

Signature \_\_\_\_\_ Date \_\_\_\_\_



SSM PLAN REPORT FORM /  
 FLARE STATION DAILY CHECKLIST  
 City of Mountain View Flare Station

Date April 18<sup>th</sup>, 2023  
 s m t w th f s

AM MONITORING

Name JASON R. BEAN  
 Arrival Time 5:53 AM Departure Time 6:08 AM  
 GEM# EMISION #2 Manometer yes no

PM MONITORING

Name \_\_\_\_\_  
 Arrival Time \_\_\_\_\_ Departure Time \_\_\_\_\_  
 GEM# \_\_\_\_\_ Manometer \_\_\_\_\_ yes / no

LFG to Flares

| CH4 % | CO2 % | O2 % |
|-------|-------|------|
| 40.2  | 26.4  | 4.6  |

LFG to Flares

| CH4 % | CO2 % | O2 % |
|-------|-------|------|
|       |       |      |

| Flare Operation | Temp. | Vac.  | SCFM |
|-----------------|-------|-------|------|
| Flare #1        | 1629  | 3.82" | 139  |
| Flare #2        | 1631  | 3.14" | 284  |
| Flare #3        |       |       |      |

| Flare Operation | Temp. | Vac. | SCFM |
|-----------------|-------|------|------|
| Flare #1        |       |      |      |
| Flare #2        |       |      |      |
| Flare #3        |       |      |      |

| Blower Oper. | RPM  | Hours  |
|--------------|------|--------|
| Blower #1    |      |        |
| Blower #2    |      |        |
| Blower #3    | 2200 | 3146.2 |

| LFG at Inlets | 6A NE | Vista | F9 / B9 |
|---------------|-------|-------|---------|
| Vacuum        |       |       |         |
| SCFM          |       |       |         |

Air Compressor Hours: 11568.7  
 Google SCFM: am: 16 pm: \_\_\_\_\_

Back Up Generator Running \_\_\_\_\_ yes / no  
 Control Room Bypass \_\_\_\_\_ yes / no  
 The facility's program logic controller automatically reacted diligently and expeditiously to shut down the flare station, closed the shutdown valve as programmed, isolating all LFG in the piping system to avoid excess emissions, and notified the staff. \_\_\_\_\_ yes / no

| LFG at Inlets | 6A NE  | Vista  | F9 / B9 |
|---------------|--------|--------|---------|
| CH4 %         | 33.3   | 55.5   | 37.4    |
| CO2 %         | 23.1   | 34.1   | 24.9    |
| O2 %          | 8.0    | 1.3    | 7.0     |
| Vacuum        | -44.3" | -43.5" | -44.1"  |
| SCFM          | 278    | 223    | 104     |
| Temperature   | 59     | 60     | 59      |

The program logic controller or staff restarted the flare station and / or back-up generator in a diligent and expeditious manner to avoid excess emissions. \_\_\_\_\_ yes / no  
 Comments and/or Description of Malfunction and Affected Equipment: \_\_\_\_\_

Time of Shutdown: \_\_\_\_\_  
 Time of Start-Up: \_\_\_\_\_  
 Duration of Shutdown/Malfunction: \_\_\_\_\_

Reason for Shutdown/Malfunction:  
 Air-Compressor System     Blower     High Gas Flow  
 High Temperature     LEL     Low Gas Flow  
 Low Temperature     UV Scanner System  
 Power Failure     Scheduled Preventive Maintenance

Emission Exceedence: \_\_\_\_\_ yes\* / no  
 SSM Plan Procedures Followed: \_\_\_\_\_ yes / no\*  
 If SSM Plan Procedure not followed, explain procedure used: \_\_\_\_\_

\* If Emission Exceedence or SSM Procedures are not followed it must be reported to EPA/BAAQMD within 24 hours per SSM plan. (Report to EEC immediately and complete departure report)

Signature \_\_\_\_\_ Date \_\_\_\_\_

Are any comments, descriptions, other information, etc. continued on the back side? \_\_\_\_\_ yes / no

SSM PLAN REPORT FORM /  
 FLARE STATION DAILY CHECKLIST  
 City of Mountain View Flare Station

Date April 19<sup>th</sup> 2023  
 s m t w th f s

AM MONITORING

Name Adrian Vega  
 Arrival Time 7:00 AM Departure Time 7:15 AM  
 GEM# Envision #2 Manometer  yes  no

PM MONITORING

Name \_\_\_\_\_  
 Arrival Time \_\_\_\_\_ Departure Time \_\_\_\_\_  
 GEM# \_\_\_\_\_ Manometer  yes /  no

LFG to Flares

| CH4 %       | CO2 %       | O2 %       |
|-------------|-------------|------------|
| <u>46.3</u> | <u>30.0</u> | <u>3.8</u> |

LFG to Flares

| CH4 % | CO2 % | O2 % |
|-------|-------|------|
|       |       |      |

| Flare Operation | Temp.       | Vac.         | SCFM       |
|-----------------|-------------|--------------|------------|
| Flare #1        | <u>1613</u> | <u>2.70"</u> | <u>117</u> |
| Flare #2        | <u>1627</u> | <u>2.19"</u> | <u>239</u> |
| Flare #3        |             |              |            |

| Flare Operation | Temp. | Vac. | SCFM |
|-----------------|-------|------|------|
| Flare #1        |       |      |      |
| Flare #2        |       |      |      |
| Flare #3        |       |      |      |

| Blower Oper. | RPM         | Hours          |
|--------------|-------------|----------------|
| Blower #1    |             |                |
| Blower #2    |             |                |
| Blower #3    | <u>2200</u> | <u>31485.2</u> |

| LFG at Inlets | 6A NE | Vista | F9 / B9 |
|---------------|-------|-------|---------|
| Vacuum        |       |       |         |
| SCFM          |       |       |         |

Air Compressor Hours: 11574.9  
 Google SCFM: am: 14 pm: \_\_\_\_\_

Back Up Generator Running  yes /  no

Control Room Bypass  yes /  no

| LFG at Inlets | 6A NE         | Vista         | F9 / B9       |
|---------------|---------------|---------------|---------------|
| CH4 %         | <u>43.2</u>   | <u>56.8</u>   | <u>40.8</u>   |
| CO2 %         | <u>29.1</u>   | <u>34.8</u>   | <u>27.3</u>   |
| O2 %          | <u>4.4</u>    | <u>1.0</u>    | <u>5.1</u>    |
| Vacuum        | <u>-45.3"</u> | <u>-45.0"</u> | <u>-45.1"</u> |
| SCFM          | <u>157</u>    | <u>205</u>    | <u>144</u>    |
| Temperature   | <u>59</u>     | <u>60</u>     | <u>59</u>     |

The facility's program logic controller automatically reacted diligently and expeditiously to shut down the flare station, closed the shutdown valve as programmed isolating all LFG in the piping system to avoid excess emissions, and notified the staff.  yes /  no

The program logic controller or staff restarted the flare station and / or back-up generator in a diligent and expeditious manner to avoid excess emissions.  yes /  no

Comments and/or Description of Malfunction and Affected Equipment: \_\_\_\_\_

Time of Shutdown: \_\_\_\_\_  
 Time of Start-Up: \_\_\_\_\_  
 Duration of Shutdown/Malfunction: \_\_\_\_\_

Reason for Shutdown/Malfunction:  
 Air-Compressor System  Blower  High Gas Flow  
 High Temperature  LEL  Low Gas Flow  
 Low Temperature  UV Scanner System  
 Power Failure  Scheduled Preventive Maintenance

Emission Exceedence:  yes\* /  no

SSM Plan Procedures Followed:  yes /  no\*

If SSM Plan Procedure not followed, explain procedure used: \_\_\_\_\_

\* If Emission Exceedence or SSM Procedures are not followed it must be reported to EPA/BAAQMD within 24 hours per SSM plan. (Report to EEC immediately and complete departure report)

Are any comments, descriptions, other information, etc. continued on the back side?  yes /  no

Signature \_\_\_\_\_ Date \_\_\_\_\_

SSM PLAN REPORT FORM /  
 FLARE STATION DAILY CHECKLIST  
 City of Mountain View Flare Station

Date 4-20-23  
 s m t w th f s

AM MONITORING

Name LEON ROSARZO  
 Arrival Time 7:30am Departure Time 7:43AM  
 GEM# ENV # 2 Manometer  yes  no

PM MONITORING

Name \_\_\_\_\_  
 Arrival Time \_\_\_\_\_ Departure Time \_\_\_\_\_  
 GEM# \_\_\_\_\_ Manometer \_\_\_\_\_ yes / no

LFG to Flares

| CH4 %       | CO2 %       | O2 %       |
|-------------|-------------|------------|
| <u>49.8</u> | <u>30.5</u> | <u>3.6</u> |

LFG to Flares

| CH4 % | CO2 % | O2 % |
|-------|-------|------|
|       |       |      |

| Flare Operation | Temp.       | Vac.         | SCFM       |
|-----------------|-------------|--------------|------------|
| Flare #1        | <u>1618</u> | <u>2.30"</u> | <u>109</u> |
| Flare #2        | <u>1625</u> | <u>1.83"</u> | <u>217</u> |
| Flare #3        |             |              |            |

| Flare Operation | Temp. | Vac. | SCFM |
|-----------------|-------|------|------|
| Flare #1        |       |      |      |
| Flare #2        |       |      |      |
| Flare #3        |       |      |      |

| Blower Oper. | RPM         | Hours          |
|--------------|-------------|----------------|
| Blower #1    |             |                |
| Blower #2    |             |                |
| Blower #3    | <u>2200</u> | <u>31509.8</u> |

| LFG at Inlets | 6A NE | Vista | F9 / B9 |
|---------------|-------|-------|---------|
| Vacuum        |       |       |         |
| SCFM          |       |       |         |

Air Compressor Hours: 11580.9  
 Google SCFM: am: 14 pm: \_\_\_\_\_

Back Up Generator Running \_\_\_\_\_ yes / no

Control Room Bypass \_\_\_\_\_ yes / no

| LFG at Inlets | 6A NE         | Vista         | F9 / B9       |
|---------------|---------------|---------------|---------------|
| CH4 %         | <u>46.1</u>   | <u>56.1</u>   | <u>41.9</u>   |
| CO2 %         | <u>29.7</u>   | <u>34.3</u>   | <u>28.4</u>   |
| O2 %          | <u>4.6</u>    | <u>1.1</u>    | <u>4.9</u>    |
| Vacuum        | <u>-45.7"</u> | <u>-45.2"</u> | <u>-45.4"</u> |
| SCFM          | <u>120</u>    | <u>224</u>    | <u>140</u>    |
| Temperature   | <u>60</u>     | <u>61</u>     | <u>61</u>     |

The facility's program logic controller automatically reacted diligently and expeditiously to shut down the flare station, closed the shutdown valve as programmed isolating all LFG in the piping system to avoid excess emissions, and notified the staff. \_\_\_\_\_ yes / no

The program logic controller or staff restarted the flare station and / or back-up generator in a diligent and expeditious manner to avoid excess emissions. \_\_\_\_\_ yes / no

Comments and/or Description of Malfunction and Affected Equipment: \_\_\_\_\_

Time of Shutdown: \_\_\_\_\_  
 Time of Start-Up: \_\_\_\_\_  
 Duration of Shutdown/Malfunction: \_\_\_\_\_

Reason for Shutdown/Malfunction:

- Air-Compressor System     Blower     High Gas Flow  
 High Temperature     LEL     Low Gas Flow  
 Low Temperature     UV Scanner System  
 Power Failure     Scheduled Preventive Maintenance

Emission Exceedence: \_\_\_\_\_ yes\* / no

SSM Plan Procedures Followed: \_\_\_\_\_ yes / no\*

If SSM Plan Procedure not followed, explain procedure used: \_\_\_\_\_

\* If Emission Exceedence or SSM Procedures are not followed it must be reported to EPA/BAAQMD within 24 hours per SSM plan. (Report to EEC immediately and complete departure report)

Are any comments, descriptions, other information, etc. continued on the back side? \_\_\_\_\_ yes / no

Signature \_\_\_\_\_

Date \_\_\_\_\_

SSM PLAN REPORT FORM /  
 FLARE STATION DAILY CHECKLIST  
 City of Mountain View Flare Station

Date May 1<sup>st</sup>, 2023  
 s t w t h f s

AM MONITORING

PM MONITORING

Name Jason R. Bean  
 Arrival Time 6:53 AM Departure Time 7:04 PM  
 GEM# EMUSION #2 Manometer  yes / no

Name \_\_\_\_\_  
 Arrival Time \_\_\_\_\_ Departure Time \_\_\_\_\_  
 GEM# \_\_\_\_\_ Manometer \_\_\_\_\_ yes / no

LFG to Flares

| CH4 % | CO2 % | O2 % |
|-------|-------|------|
| 49.9  | 33.2  | 2.9  |

LFG to Flares

| CH4 % | CO2 % | O2 % |
|-------|-------|------|
|       |       |      |

| Flare Operation | Temp. | Vac.  | SCFM |
|-----------------|-------|-------|------|
| Flare #1        | 1623  | 3.15" | 126  |
| Flare #2        | 1618  | 2.72" | 246  |
| Flare #3        |       |       |      |

| Flare Operation | Temp. | Vac. | SCFM |
|-----------------|-------|------|------|
| Flare #1        |       |      |      |
| Flare #2        |       |      |      |
| Flare #3        |       |      |      |

| Blower Oper. | RPM  | Hours  |
|--------------|------|--------|
| Blower #1    |      |        |
| Blower #2    |      |        |
| Blower #3    | 2100 | 3173.1 |

| LFG at Inlets | 6A NE | Vista | F9 / B9 |
|---------------|-------|-------|---------|
| Vacuum        |       |       |         |
| SCFM          |       |       |         |

Air Compressor Hours: 11647.5  
 Google SCFM: am: 13 pm: \_\_\_\_\_

Back Up Generator Running \_\_\_\_\_ yes / no  
 Control Room Bypass \_\_\_\_\_ yes / no  
 The facility's program logic controller automatically reacted diligently and expeditiously to shut down the flare station, closed the shutdown valve as programmed isolating all LFG in the piping system to avoid excess emissions, and notified the staff. \_\_\_\_\_ yes / no

| LFG at Inlets | 6A NE | Vista | F9 / B9 |
|---------------|-------|-------|---------|
| CH4 %         | 54.5  | 55.7  | 35.0    |
| CO2 %         | 36.0  | 35.2  | 21.9    |
| O2 %          | 0.9   | 1.0   | 8.3     |
| Vacuum        | -436" | -432" | -436"   |
| SCFM          | 192   | 125   | 102     |
| Temperature   | 63    | 63    | 62      |

The program logic controller or staff restarted the flare station and / or back-up generator in a diligent and expeditious manner to avoid excess emissions. \_\_\_\_\_ yes / no

Time of Shutdown: \_\_\_\_\_  
 Time of Start-Up: \_\_\_\_\_  
 Duration of Shutdown/Malfunction: \_\_\_\_\_

Reason for Shutdown/Malfunction:  
 Air-Compressor System  Blower  High Gas Flow  
 High Temperature  LEL  Low Gas Flow  
 Low Temperature  UV Scanner System  
 Power Failure  Scheduled Preventive Maintenance

Comments and/or Description of Malfunction and Affected Equipment: \_\_\_\_\_

Emission Exceedence: \_\_\_\_\_ yes\* / no  
 SSM Plan Procedures Followed: \_\_\_\_\_ yes / no\*  
 If SSM Plan Procedure not followed, explain procedure used: \_\_\_\_\_

\* If Emission Exceedence or SSM Procedures are not followed it must be reported to EPA/BAAQMD within 24 hours per SSM plan. (Report to EEC immediately and complete departure report)

Are any comments, descriptions, other information, etc. continued on the back side? \_\_\_\_\_ yes / no

Signature \_\_\_\_\_ Date \_\_\_\_\_

SSM PLAN REPORT FORM /  
 FLARE STATION DAILY CHECKLIST  
 City of Mountain View Flare Station

Date May 2<sup>nd</sup>, 2023  
 s m t w t h f s

AM MONITORING

PM MONITORING

Name JASON R BEAN  
 Arrival Time 6:07pm Departure Time 6:18pm  
 GEM# EN0011#2 Manometer  yes / no

Name \_\_\_\_\_  
 Arrival Time \_\_\_\_\_ Departure Time \_\_\_\_\_  
 GEM# \_\_\_\_\_ Manometer \_\_\_\_\_ yes / no

LFG to Flares

| CH4 % | CO2 % | O2 % |
|-------|-------|------|
| 50.2  | 32.5  | 2.8  |

LFG to Flares

| CH4 % | CO2 % | O2 % |
|-------|-------|------|
|       |       |      |

| Flare Operation | Temp. | Vac.  | SCFM |
|-----------------|-------|-------|------|
| Flare #1        | 1125  | 3.13" | 124  |
| Flare #2        | 1132  | 2.68" | 262  |
| Flare #3        |       |       |      |

| Flare Operation | Temp. | Vac. | SCFM |
|-----------------|-------|------|------|
| Flare #1        |       |      |      |
| Flare #2        |       |      |      |
| Flare #3        |       |      |      |

| Blower Oper. | RPM  | Hours  |
|--------------|------|--------|
| Blower #1    |      |        |
| Blower #2    |      |        |
| Blower #3    | 2100 | 3179.4 |

| LFG at Inlets | 6A NE | Vista | F9 / B9 |
|---------------|-------|-------|---------|
| Vacuum        |       |       |         |
| SCFM          |       |       |         |

Air Compressor Hours: 11653.5  
 Google SCFM: am: 13 pm: \_\_\_\_\_

Back Up Generator Running \_\_\_\_\_ yes / no

Control Room Bypass \_\_\_\_\_ yes / no

| LFG at Inlets | 6A NE  | Vista  | F9 / B9 |
|---------------|--------|--------|---------|
| CH4 %         | 54.1   | 55.9   | 34.5    |
| CO2 %         | 35.5   | 35.2   | 22.4    |
| O2 %          | 1.1    | 0.9    | 8.2     |
| Vacuum        | -43.9" | -43.4" | -43.7"  |
| SCFM          | 188    | 183    | 98      |
| Temperature   | 63     | 63     | 61      |

The facility's program logic controller automatically reacted diligently and expeditiously to shut down the flare station, closed the shutdown valve as programmed isolating all LFG in the piping system to avoid excess emissions, and notified the staff. \_\_\_\_\_ yes / no

The program logic controller or staff restarted the flare station and / or back-up generator in a diligent and expeditious manner to avoid excess emissions. \_\_\_\_\_ yes / no

Comments and/or Description of Malfunction and Affected Equipment: \_\_\_\_\_

Time of Shutdown: \_\_\_\_\_  
 Time of Start-Up: \_\_\_\_\_  
 Duration of Shutdown/Malfunction: \_\_\_\_\_

Reason for Shutdown/Malfunction: \_\_\_\_\_  
 Air-Compressor System    Blower    High Gas Flow  
 High Temperature    LEL    Low Gas Flow  
 Low Temperature    UV Scanner System  
 Power Failure    Scheduled Preventive Maintenance

Emission Exceedence: \_\_\_\_\_ yes\* / no

SSM Plan Procedures Followed: \_\_\_\_\_ yes / no\*

If SSM Plan Procedure not followed, explain procedure used: \_\_\_\_\_

\* If Emission Exceedence or SSM Procedures are not followed it must be reported to EPA/BAAQMD within 24 hours per SSM plan. (Report to EEC immediately and complete departure report)

Are any comments, descriptions, other information, etc. continued on the back side? \_\_\_\_\_ yes / no

Signature \_\_\_\_\_ Date \_\_\_\_\_

SSM PLAN REPORT FORM /  
 FLARE STATION DAILY CHECKLIST  
 City of Mountain View Flare Station

Date May 3<sup>rd</sup>, 2023  
 s m t w th f s

AM MONITORING

PM MONITORING

Name Jason R. Bean  
 Arrival Time 7:32am Departure Time 7:45am  
 GEM# EMULSION #2 Manometer  yes  no

Name \_\_\_\_\_  
 Arrival Time \_\_\_\_\_ Departure Time \_\_\_\_\_  
 GEM# \_\_\_\_\_ Manometer \_\_\_\_\_ yes / no

LFG to Flares

| CH4 % | CO2 % | O2 % |
|-------|-------|------|
| 48.6  | 31.3  | 3.3  |

LFG to Flares

| CH4 % | CO2 % | O2 % |
|-------|-------|------|
|       |       |      |

| Flare Operation | Temp. | Vac.  | SCFM |
|-----------------|-------|-------|------|
| Flare #1        | 1622  | 3.19" | 126  |
| Flare #2        | 1628  | 2.73" | 266  |
| Flare #3        |       |       |      |

| Flare Operation | Temp. | Vac. | SCFM |
|-----------------|-------|------|------|
| Flare #1        |       |      |      |
| Flare #2        |       |      |      |
| Flare #3        |       |      |      |

| Blower Oper. | RPM | Hours  |
|--------------|-----|--------|
| Blower #1    |     |        |
| Blower #2    |     |        |
| Blower #3    | 200 | 3182.8 |

| LFG at Inlets | 6A NE | Vista | F9 / B9 |
|---------------|-------|-------|---------|
| Vacuum        |       |       |         |
| SCFM          |       |       |         |

Air Compressor Hours: 11660.0  
 Google SCFM: am: 12 pm: \_\_\_\_\_

Back Up Generator Running \_\_\_\_\_ yes / no  
 Control Room Bypass \_\_\_\_\_ yes / no  
 The facility's program logic controller automatically reacted diligently and expeditiously to shut down the flare station, closed the shutdown valve as programmed isolating all LFG in the piping system to avoid excess emissions, and notified the staff. \_\_\_\_\_ yes / no

| LFG at Inlets | 6A NE  | Vista  | F9 / B9 |
|---------------|--------|--------|---------|
| CH4 %         | 57.2   | 55.7   | 35.3    |
| CO2 %         | 33.9   | 34.3   | 23.8    |
| O2 %          | 1.9    | 0.9    | 8.8     |
| Vacuum        | -43.6" | -42.0" | -42.3"  |
| SCFM          | 199    | 164    | 100     |
| Temperature   | 63     | 64     | 62      |

The program logic controller or staff restarted the flare station and / or back-up generator in a diligent and expeditious manner to avoid excess emissions. \_\_\_\_\_ yes / no  
 Comments and/or Description of Malfunction and Affected Equipment: \_\_\_\_\_

Time of Shutdown: \_\_\_\_\_  
 Time of Start-Up: \_\_\_\_\_  
 Duration of Shutdown/Malfunction: \_\_\_\_\_

Reason for Shutdown/Malfunction:  
 Air-Compressor System    Blower    High Gas Flow  
 High Temperature    LEL    Low Gas Flow  
 Low Temperature    UV Scanner System  
 Power Failure    Scheduled Preventive Maintenance

Emission Exceedence: \_\_\_\_\_ yes\* / no  
 SSM Plan Procedures Followed: \_\_\_\_\_ yes / no\*  
 If SSM Plan Procedure not followed, explain procedure used: \_\_\_\_\_

\* If Emission Exceedence or SSM Procedures are not followed it must be reported to EPA/BAAQMD within 24 hours per SSM plan. (Report to EEC immediately and complete departure report)

Are any comments, descriptions, other information, etc. continued on the back side? \_\_\_\_\_ yes / no

Signature \_\_\_\_\_ Date \_\_\_\_\_

SSM PLAN REPORT FORM /  
 FLARE STATION DAILY CHECKLIST  
 City of Mountain View Flare Station

Date May 4<sup>th</sup>, 2023  
 s m t w th f s

AM MONITORING

PM MONITORING

Name Jason R. Bean  
 Arrival Time 6:27 AM Departure Time 6:41 AM  
 GEM# ENVISION #2 Manometer  yes  no

Name \_\_\_\_\_  
 Arrival Time \_\_\_\_\_ Departure Time \_\_\_\_\_  
 GEM# \_\_\_\_\_ Manometer yes / no

LFG to Flares

| CH4 %       | CO2 %       | O2 %       |
|-------------|-------------|------------|
| <u>48.4</u> | <u>31.5</u> | <u>3.4</u> |

LFG to Flares

| CH4 % | CO2 % | O2 % |
|-------|-------|------|
|       |       |      |

| Flare Operation | Temp.       | Vac.         | SCFM       |
|-----------------|-------------|--------------|------------|
| Flare #1        | <u>1618</u> | <u>2.82"</u> | <u>118</u> |
| Flare #2        | <u>1621</u> | <u>2.32"</u> | <u>247</u> |
| Flare #3        |             |              |            |

| Flare Operation | Temp. | Vac. | SCFM |
|-----------------|-------|------|------|
| Flare #1        |       |      |      |
| Flare #2        |       |      |      |
| Flare #3        |       |      |      |

| Blower Oper. | RPM         | Hours         |
|--------------|-------------|---------------|
| Blower #1    |             |               |
| Blower #2    |             |               |
| Blower #3    | <u>2200</u> | <u>3184.7</u> |

| LFG at Inlets | 6A NE | Vista | F9 / B9 |
|---------------|-------|-------|---------|
| Vacuum        |       |       |         |
| SCFM          |       |       |         |

Air Compressor Hours: 1166.58

Back Up Generator Running yes / no

Google SCFM: am: 12 pm: \_\_\_\_\_

Control Room Bypass yes / no

| LFG at Inlets | 6A NE         | Vista         | F9 / B9       |
|---------------|---------------|---------------|---------------|
| CH4 %         | <u>50.2</u>   | <u>56.0</u>   | <u>34.7</u>   |
| CO2 %         | <u>33.6</u>   | <u>34.9</u>   | <u>22.5</u>   |
| O2 %          | <u>2.3</u>    | <u>1.0</u>    | <u>8.5</u>    |
| Vacuum        | <u>-44.3"</u> | <u>-43.5"</u> | <u>-44.1"</u> |
| SCFM          | <u>172</u>    | <u>167</u>    | <u>92</u>     |
| Temperature   | <u>63</u>     | <u>64</u>     | <u>62</u>     |

The facility's program logic controller automatically reacted diligently and expeditiously to shut down the flare station, closed the shutdown valve as programmed isolating all LFG in the piping system to avoid excess emissions, and notified the staff.

The program logic controller or staff restarted the flare station and / or back-up generator in a diligent and expeditious manner to avoid excess emissions.

Comments and/or Description of Malfunction and Affected Equipment:

Time of Shutdown: \_\_\_\_\_  
 Time of Start-Up: \_\_\_\_\_  
 Duration of Shutdown/Malfunction: \_\_\_\_\_

- Reason for Shutdown/Malfunction:
- Air-Compressor System
  - Blower
  - High Gas Flow
  - High Temperature
  - LEL
  - Low Gas Flow
  - Low Temperature
  - UV Scanner System
  - Power Failure
  - Scheduled Preventive Maintenance

Emission Exceedence: yes\* / no

SSM Plan Procedures Followed: yes / no\*

If SSM Plan Procedure not followed, explain procedure used:

\* If Emission Exceedence or SSM Procedures are not followed it must be reported to EPA/BAAQMD within 24 hours per SSM plan. (Report to EEC immediately and complete departure report)

Are any comments, descriptions, other information, etc. continued on the back side? yes / no

Signature \_\_\_\_\_ Date \_\_\_\_\_

SSM PLAN REPORT FORM /  
 FLARE STATION DAILY CHECKLIST  
 City of Mountain View Flare Station

Date May 5<sup>th</sup>, 2023  
 s m t w th (f) s

AM MONITORING

Name Adrian Vega  
 Arrival Time 7:45 AM Departure Time 8:01 AM  
 GEM# Emission #2 Manometer (Yes) no

PM MONITORING

Name \_\_\_\_\_  
 Arrival Time \_\_\_\_\_ Departure Time \_\_\_\_\_  
 GEM# \_\_\_\_\_ Manometer \_\_\_\_\_ yes / no

LFG to Flares

| CH4 %       | CO2 %       | O2 %      |
|-------------|-------------|-----------|
| <u>47.2</u> | <u>31.0</u> | <u>38</u> |

LFG to Flares

| CH4 % | CO2 % | O2 % |
|-------|-------|------|
|       |       |      |

| Flare Operation | Temp.       | Vac.         | SCFM       |
|-----------------|-------------|--------------|------------|
| Flare #1        | <u>1615</u> | <u>2.79"</u> | <u>119</u> |
| Flare #2        | <u>1616</u> | <u>2.40"</u> | <u>247</u> |
| Flare #3        |             |              |            |

| Flare Operation | Temp. | Vac. | SCFM |
|-----------------|-------|------|------|
| Flare #1        |       |      |      |
| Flare #2        |       |      |      |
| Flare #3        |       |      |      |

| Blower Oper. | RPM         | Hours          |
|--------------|-------------|----------------|
| Blower #1    |             |                |
| Blower #2    |             |                |
| Blower #3    | <u>2200</u> | <u>31870.1</u> |

| LFG at Inlets | 6A NE | Vista | F9 / B9 |
|---------------|-------|-------|---------|
| Vacuum        |       |       |         |
| SCFM          |       |       |         |

Air Compressor Hours: 11672.1  
 Google SCFM: am: 13 pm: \_\_\_\_\_

Back Up Generator Running \_\_\_\_\_ yes / no

Control Room Bypass \_\_\_\_\_ yes / no

| LFG at Inlets | 6A NE         | Vista         | F9 / B9       |
|---------------|---------------|---------------|---------------|
| CH4 %         | <u>48.5</u>   | <u>55.6</u>   | <u>33.2</u>   |
| CO2 %         | <u>33.0</u>   | <u>34.3</u>   | <u>22.1</u>   |
| O2 %          | <u>2.8</u>    | <u>1.2</u>    | <u>9.0</u>    |
| Vacuum        | <u>-44.4"</u> | <u>-43.9"</u> | <u>-44.3"</u> |
| SCFM          | <u>175</u>    | <u>199</u>    | <u>96</u>     |
| Temperature   | <u>63</u>     | <u>64</u>     | <u>62</u>     |

The facility's program logic controller automatically reacted diligently and expeditiously to shut down the flare station, closed the shutdown valve as programmed, isolating all LFG in the piping system to avoid excess emissions, and notified the staff.

The program logic controller or staff restarted the flare station and / or back-up generator in a diligent and expeditious manner to avoid excess emissions.

Comments and/or Description of Malfunction and Affected Equipment: \_\_\_\_\_

Time of Shutdown: \_\_\_\_\_  
 Time of Start-Up: \_\_\_\_\_  
 Duration of Shutdown/Malfunction: \_\_\_\_\_

Reason for Shutdown/Malfunction: \_\_\_\_\_  
 Air-Compressor System    Blower    High Gas Flow  
 High Temperature    LEL    Low Gas Flow  
 Low Temperature    UV Scanner System  
 Power Failure    Scheduled Preventive Maintenance

Emission Exceedence: \_\_\_\_\_ yes\* / no

SSM Plan Procedures Followed: \_\_\_\_\_ yes / no\*

If SSM Plan Procedure not followed, explain procedure used: \_\_\_\_\_

\* If Emission Exceedence or SSM Procedures are not followed it must be reported to EPA/BAAQMD within 24 hours per SSM plan. (Report to EEC immediately and complete departure report)

Are any comments, descriptions, other information, etc. continued on the back side? \_\_\_\_\_ yes / no

Signature \_\_\_\_\_ Date \_\_\_\_\_



SSM PLAN REPORT FORM /  
 FLARE STATION DAILY CHECKLIST  
 City of Mountain View Flare Station

Date May 16<sup>th</sup>, 2023  
 s m t w th f s

AM MONITORING

PM MONITORING

Name JASON R. BEAN  
 Arrival Time 6:21 AM Departure Time 6:35 AM  
 GEM# EMULSION H2 Manometer  yes / no

Name \_\_\_\_\_  
 Arrival Time \_\_\_\_\_ Departure Time \_\_\_\_\_  
 GEM# \_\_\_\_\_ Manometer \_\_\_\_\_ yes / no

LFG to Flares

| CH4 % | CO2 % | O2 % |
|-------|-------|------|
| 49.6  | 33.0  | 2.1  |

LFG to Flares

| CH4 % | CO2 % | O2 % |
|-------|-------|------|
|       |       |      |

| Flare Operation | Temp. | Vac.  | SCFM |
|-----------------|-------|-------|------|
| Flare #1        | 1637  | 2.96" | 120  |
| Flare #2        | 1620  | 2.47" | 248  |
| Flare #3        |       |       |      |

| Flare Operation | Temp. | Vac. | SCFM |
|-----------------|-------|------|------|
| Flare #1        |       |      |      |
| Flare #2        |       |      |      |
| Flare #3        |       |      |      |

| Blower Oper. | RPM  | Hours  |
|--------------|------|--------|
| Blower #1    |      |        |
| Blower #2    |      |        |
| Blower #3    | 2200 | 3213.5 |

| LFG at Inlets | 6A NE | Vista | F9 / B9 |
|---------------|-------|-------|---------|
| Vacuum        |       |       |         |
| SCFM          |       |       |         |

Air Compressor Hours: 11743.9  
 Google SCFM: am: 14 pm: \_\_\_\_\_

Back Up Generator Running \_\_\_\_\_ yes / no  
 Control Room Bypass \_\_\_\_\_ yes / no  
 The facility's program logic controller automatically reacted diligently and expeditiously to shut down the flare station, closed the shutdown valve as programmed isolating all LFG in the piping system to avoid excess emissions, and notified the staff. \_\_\_\_\_ yes / no

| LFG at Inlets | 6A NE  | Vista  | F9 / B9 |
|---------------|--------|--------|---------|
| CH4 %         | 49.8   | 54.8   | 42.6    |
| CO2 %         | 33.7   | 34.6   | 28.6    |
| O2 %          | 2.1    | 0.8    | 4.4     |
| Vacuum        | -43.9" | -43.6" | -44.2"  |
| SCFM          | 177    | 131    | 90      |
| Temperature   | 65     | 65     | 65      |

The program logic controller or staff restarted the flare station and / or back-up generator in a diligent and expeditious manner to avoid excess emissions. \_\_\_\_\_ yes / no

Time of Shutdown: \_\_\_\_\_  
 Time of Start-Up: \_\_\_\_\_  
 Duration of Shutdown/Malfunction: \_\_\_\_\_

Comments and/or Description of Malfunction and Affected Equipment: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Reason for Shutdown/Malfunction:  
 Air-Compressor System    Blower    High Gas Flow  
 High Temperature    LEL    Low Gas Flow  
 Low Temperature    UV Scanner System  
 Power Failure    Scheduled Preventive Maintenance

Emission Exceedence: \_\_\_\_\_ yes\* / no  
 SSM Plan Procedures Followed: \_\_\_\_\_ yes / no\*  
 If SSM Plan Procedure not followed, explain procedure used: \_\_\_\_\_

\_\_\_\_\_  
 \_\_\_\_\_

\* If Emission Exceedence or SSM Procedures are not followed it must be reported to EPA/BAAQMD within 24 hours per SSM plan. (Report to EEC immediately and complete departure report)

Signature \_\_\_\_\_ Date \_\_\_\_\_

Are any comments, descriptions, other information, etc. continued on the back side? \_\_\_\_\_ yes / no

**SSM PLAN REPORT FORM /  
FLARE STATION DAILY CHECKLIST**  
City of Mountain View Flare Station

Date 5-18-2023  
s m t w **th** f s

**AM MONITORING**

**PM MONITORING**

Name RAUL BANDA  
Arrival Time 6:54 Departure Time 7:09A  
GEM# ENV#2 Manometer  yes no

Name \_\_\_\_\_  
Arrival Time \_\_\_\_\_ Departure Time \_\_\_\_\_  
GEM# \_\_\_\_\_ Manometer \_\_\_\_\_ yes / no

LFG to Flares

| CH4 % | CO2 % | O2 % |
|-------|-------|------|
| 39.6  | 33.3  | 2.2  |

LFG to Flares

| CH4 % | CO2 % | O2 % |
|-------|-------|------|
|       |       |      |

| Flare Operation | Temp. | Vac.  | SCFM |
|-----------------|-------|-------|------|
| Flare #1        | 1619  | 1.44" | 84   |
| Flare #2        | /     | /     | /    |
| Flare #3        | 1622  | 1.06" | 292  |

| Flare Operation | Temp. | Vac. | SCFM |
|-----------------|-------|------|------|
| Flare #1        |       |      |      |
| Flare #2        |       |      |      |
| Flare #3        |       |      |      |

| Blower Oper. | RPM  | Hours  |
|--------------|------|--------|
| Blower #1    | /    | /      |
| Blower #2    | /    | /      |
| Blower #3    | 2200 | 321800 |

| LFG at Inlets | 6A NE | Vista | F9 / B9 |
|---------------|-------|-------|---------|
| Vacuum        |       |       |         |
| SCFM          |       |       |         |

Air Compressor Hours: 11759.6  
Google SCFM: am: 14 pm: \_\_\_\_\_

Back Up Generator Running yes / no  
Control Room Bypass yes / no  
The facility's program logic controller automatically reacted diligently and expeditiously to shut down the flare station, closed the shutdown valve as programmed isolating all LFG in the piping system to avoid excess emissions, and notified the staff. yes / no

| LFG at Inlets | 6A NE  | Vista  | F9 / B9 |
|---------------|--------|--------|---------|
| CH4 %         | 48.6   | 54.1   | 39.7    |
| CO2 %         | 33.7   | 34.7   | 28.1    |
| O2 %          | 2.4    | 1.1    | 4.9     |
| Vacuum        | -45.4" | -44.9" | -45.3"  |
| SCFM          | 175    | 136    | 86      |
| Temperature   | 65     | 65     | 64      |

The program logic controller or staff restarted the flare station and / or back-up generator in a diligent and expeditious manner to avoid excess emissions. yes / no

Time of Shutdown: \_\_\_\_\_  
Time of Start-Up: \_\_\_\_\_  
Duration of Shutdown/Malfunction: \_\_\_\_\_

Reason for Shutdown/Malfunction:  
 Air-Compressor System  Blower  High Gas Flow  
 High Temperature  LEL  Low Gas Flow  
 Low Temperature  UV Scanner System  
 Power Failure  Scheduled Preventive Maintenance

Comments and/or Description of Malfunction and Affected Equipment: \_\_\_\_\_

Emission Exceedence: \_\_\_\_\_ yes\* / no  
SSM Plan Procedures Followed: \_\_\_\_\_ yes / no\*  
If SSM Plan Procedure not followed, explain procedure used: \_\_\_\_\_

\* If Emission Exceedence or SSM Procedures are not followed it must be reported to EPA/BAAQMD within 24 hours per SSM plan. (Report to EEC immediately and complete departure report)

Are any comments, descriptions, other information, etc. continued on the back side? \_\_\_\_\_ yes / no

Signature \_\_\_\_\_ Date \_\_\_\_\_

SSM PLAN REPORT FORM /  
FLARE STATION DAILY CHECKLIST  
City of Mountain View Flare Station

Date June 1st, 2023  
s m t w th f s

AM MONITORING

Name Miguel Varela  
Arrival Time 7:10 AM Departure Time 7:25 AM  
GEM# ENVISION# 2 Manometer  yes  no

PM MONITORING

Name \_\_\_\_\_  
Arrival Time \_\_\_\_\_ Departure Time \_\_\_\_\_  
GEM# \_\_\_\_\_ Manometer  yes /  no

LFG to Flares

| CH4 % | CO2 % | O2 % |
|-------|-------|------|
| 50.6  | 33.7  | 2.0  |

LFG to Flares

| CH4 % | CO2 % | O2 % |
|-------|-------|------|
|       |       |      |

| Flare Operation | Temp. | Vac.  | SCFM |
|-----------------|-------|-------|------|
| Flare #1        | 1624  | 2.95" | 121  |
| Flare #2        | 1622  | 2.39" | 250  |
| Flare #3        | /     | /     | /    |

| Flare Operation | Temp. | Vac. | SCFM |
|-----------------|-------|------|------|
| Flare #1        |       |      |      |
| Flare #2        |       |      |      |
| Flare #3        |       |      |      |

| Blower Oper. | RPM  | Hours   |
|--------------|------|---------|
| Blower #1    | /    | /       |
| Blower #2    | /    | /       |
| Blower #3    | 2200 | 32516.2 |

| LFG at Inlets | 6A NE | Vista | F9 / B9 |
|---------------|-------|-------|---------|
| Vacuum        |       |       |         |
| SCFM          |       |       |         |

Air Compressor Hours: 11869.6  
Google SCFM: am: 13 pm: \_\_\_\_\_

Back Up Generator Running  yes /  no

Control Room Bypass  yes /  no

| LFG at Inlets | 6A NE  | Vista  | F9 / B9 |
|---------------|--------|--------|---------|
| CH4 %         | 49.6   | 55.8   | 40.7    |
| CO2 %         | 33.4   | 35.5   | 28.3    |
| O2 %          | 2.2    | 0.6    | 4.8     |
| Vacuum        | -43.9" | -43.4" | -43.4"  |
| SCFM          | 170    | 154    | 80      |
| Temperature   | 68     | 68     | 65      |

The facility's program logic controller automatically reacted diligently and expeditiously to shut down the flare station, closed the shutdown valve as programmed isolating all LFG in the piping system to avoid excess emissions, and notified the staff.  yes /  no

The program logic controller or staff restarted the flare station and / or back-up generator in a diligent and expeditious manner to avoid excess emissions.  yes /  no

Comments and/or Description of Malfunction and Affected Equipment: \_\_\_\_\_

Time of Shutdown: \_\_\_\_\_

Time of Start-Up: \_\_\_\_\_

Duration of Shutdown/Malfunction: \_\_\_\_\_

Reason for Shutdown/Malfunction: \_\_\_\_\_

- Air-Compressor System    Blower    High Gas Flow  
 High Temperature    LEL    Low Gas Flow  
 Low Temperature    UV Scanner System  
 Power Failure    Scheduled Preventive Maintenance

Emission Exceedence:  yes\* /  no

SSM Plan Procedures Followed:  yes /  no\*

If SSM Plan Procedure not followed, explain procedure used: \_\_\_\_\_

\* If Emission Exceedence or SSM Procedures are not followed it must be reported to EPA/BAAQMD within 24 hours per SSM plan. (Report to EEC immediately and complete departure report)

Are any comments, descriptions, other information, etc. continued on the back side?  yes /  no

Signature \_\_\_\_\_

Date \_\_\_\_\_

SSM PLAN REPORT FORM /  
 FLARE STATION DAILY CHECKLIST  
 City of Mountain View Flare Station

Date June 5<sup>th</sup>, 2023  
 s t w t h f s

AM MONITORING

PM MONITORING

Name Miguel Varela

Name \_\_\_\_\_

Arrival Time 6:35 AM Departure Time 7:00 AM

Arrival Time \_\_\_\_\_ Departure Time \_\_\_\_\_

GEM# Envision #2 Manometer  yes no

GEM# \_\_\_\_\_ Manometer \_\_\_\_\_ yes / no

LFG to Flares

| CH4 % | CO2 % | O2 % |
|-------|-------|------|
| 50.3  | 33.6  | 2.0  |

LFG to Flares

| CH4 % | CO2 % | O2 % |
|-------|-------|------|
|       |       |      |

| Flare Operation | Temp. | Vac.  | SCFM |
|-----------------|-------|-------|------|
| Flare #1        | /     | /     | /    |
| Flare #2        | /     | /     | /    |
| Flare #3        | 1622  | 1.69" | 364  |

| Flare Operation | Temp. | Vac. | SCFM |
|-----------------|-------|------|------|
| Flare #1        |       |      |      |
| Flare #2        |       |      |      |
| Flare #3        |       |      |      |

| Blower Oper. | RPM  | Hours   |
|--------------|------|---------|
| Blower #1    | /    | /       |
| Blower #2    | /    | /       |
| Blower #3    | 2200 | 32611.6 |

| LFG at Inlets | 6A NE | Vista | F9 / B9 |
|---------------|-------|-------|---------|
| Vacuum        |       |       |         |
| SCFM          |       |       |         |

Air Compressor Hours: 11900.8

Back Up Generator Running \_\_\_\_\_ yes / no

Google SCFM: am: 13 pm: \_\_\_\_\_

Control Room Bypass \_\_\_\_\_ yes / no

| LFG at Inlets | 6A NE  | Vista  | F9 / B9 |
|---------------|--------|--------|---------|
| CH4 %         | 49.1   | 55.8   | 40.4    |
| CO2 %         | 33.7   | 35.8   | 28.2    |
| O2 %          | 2.3    | 0.5    | 4.7     |
| Vacuum        | -44.3" | -43.5" | -44.2"  |
| SCFM          | 177    | 141    | 76      |
| Temperature   | 69     | 69     | 67      |

The facility's program logic controller automatically reacted diligently and expeditiously to shut down the flare station, closed the shutdown valve as programmed isolating all LFG in the piping system to avoid excess emissions, and notified the staff.

The program logic controller or staff restarted the flare station and / or back-up generator in a diligent and expeditious manner to avoid excess emissions.

Comments and/or Description of Malfunction and Affected Equipment: \_\_\_\_\_

Time of Shutdown: \_\_\_\_\_

Time of Start-Up: \_\_\_\_\_

Duration of Shutdown/Malfunction: \_\_\_\_\_

Reason for Shutdown/Malfunction:

- Air-Compressor System
- Blower
- High Gas Flow
- High Temperature
- LEL
- Low Gas Flow
- Low Temperature
- UV Scanner System
- Power Failure
- Scheduled Preventive Maintenance

Emission Exceedence: \_\_\_\_\_ yes\* / no

SSM Plan Procedures Followed: \_\_\_\_\_ yes / no\*

If SSM Plan Procedure not followed, explain procedure used: \_\_\_\_\_

\* If Emission Exceedence or SSM Procedures are not followed it must be reported to EPA/BAAQMD within 24 hours per SSM plan. (Report to EEC immediately and complete departure report)

Are any comments, descriptions, other information, etc. continued on the back side? \_\_\_\_\_ yes / no

Signature \_\_\_\_\_ Date \_\_\_\_\_

SSM PLAN REPORT FORM /  
 FLARE STATION DAILY CHECKLIST  
 City of Mountain View Flare Station

Date 6-7-23  
 s m t **w** th f s

AM MONITORING

PM MONITORING

Name LEON ROSARIO  
 Arrival Time 6:08am Departure Time 6:20am  
 GEM# ENV #2 Manometer  yes  no

Name \_\_\_\_\_  
 Arrival Time \_\_\_\_\_ Departure Time \_\_\_\_\_  
 GEM# \_\_\_\_\_ Manometer \_\_\_\_\_ yes / no

LFG to Flares

| CH4 % | CO2 % | O2 % |
|-------|-------|------|
| 49.5  | 33.0  | 2.2  |

LFG to Flares

| CH4 % | CO2 % | O2 % |
|-------|-------|------|
|       |       |      |

| Flare Operation | Temp. | Vac.  | SCFM |
|-----------------|-------|-------|------|
| Flare #1        | /     | /     | /    |
| Flare #2        | 1612  | 0.75" | 138  |
| Flare #3        | 1617  | 0.73" | 244  |

| Flare Operation | Temp. | Vac. | SCFM |
|-----------------|-------|------|------|
| Flare #1        |       |      |      |
| Flare #2        |       |      |      |
| Flare #3        |       |      |      |

| Blower Oper. | RPM  | Hours   |
|--------------|------|---------|
| Blower #1    | /    | /       |
| Blower #2    | /    | /       |
| Blower #3    | 2200 | 32659.2 |

| LFG at Inlets | 6A NE | Vista | F9 / B9 |
|---------------|-------|-------|---------|
| Vacuum        |       |       |         |
| SCFM          |       |       |         |

Air Compressor Hours: 11916.4  
 Google SCFM: am: 13 pm: \_\_\_\_\_

Back Up Generator Running \_\_\_\_\_ yes / no  
 Control Room Bypass \_\_\_\_\_ yes / no

| LFG at Inlets | 6A NE  | Vista  | F9 / B9 |
|---------------|--------|--------|---------|
| CH4 %         | 49.0   | 55.6   | 39.9    |
| CO2 %         | 33.4   | 35.4   | 27.7    |
| O2 %          | 2.4    | 0.5    | 4.8     |
| Vacuum        | -45.3" | -44.6" | -45.2"  |
| SCFM          | 178    | 218    | 86      |
| Temperature   | 49     | 70     | 67      |

The facility's program logic controller automatically reacted diligently and expeditiously to shut down the flare station, closed the shutdown valve as programmed isolating all LFG in the piping system to avoid excess emissions, and notified the staff.  
 The program logic controller or staff restarted the flare station and / or back-up generator in a diligent and expeditious manner to avoid excess emissions.  
 Comments and/or Description of Malfunction and Affected Equipment: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Time of Shutdown: \_\_\_\_\_  
 Time of Start-Up: \_\_\_\_\_  
 Duration of Shutdown/Malfunction: \_\_\_\_\_

Reason for Shutdown/Malfunction:  
 Air-Compressor System    Blower    High Gas Flow  
 High Temperature    LEL    Low Gas Flow  
 Low Temperature    UV Scanner System  
 Power Failure    Scheduled Preventive Maintenance

Emission Exceedence: \_\_\_\_\_ yes\* / no  
 SSM Plan Procedures Followed: \_\_\_\_\_ yes / no\*  
 If SSM Plan Procedure not followed, explain procedure used: \_\_\_\_\_  
 \_\_\_\_\_

\* If Emission Exceedence or SSM Procedures are not followed it must be reported to EPA/BAAQMD within 24 hours per SSM plan. (Report to EEC immediately and complete departure report)

Signature \_\_\_\_\_ Date \_\_\_\_\_

Are any comments, descriptions, other information, etc. continued on the back side? \_\_\_\_\_ yes / no

SSM PLAN REPORT FORM /  
FLARE STATION DAILY CHECKLIST  
City of Mountain View Flare Station

Date 6-15-23  
s m t w **th** f s

AM MONITORING

Name LEON ROSA  
Arrival Time 6:40 am Departure Time 6:59 pm  
GEM# ENV # 2 Manometer  yes / no

PM MONITORING

Name \_\_\_\_\_  
Arrival Time \_\_\_\_\_ Departure Time \_\_\_\_\_  
GEM# \_\_\_\_\_ Manometer \_\_\_\_\_ yes / no

LFG to Flares

| CH4 % | CO2 % | O2 % |
|-------|-------|------|
| 48.0  | 32.5  | 2.6  |

LFG to Flares

| CH4 % | CO2 % | O2 % |
|-------|-------|------|
|       |       |      |

| Flare Operation | Temp. | Vac.  | SCFM |
|-----------------|-------|-------|------|
| Flare #1        | 1624  | 1.69" | 89   |
| Flare #2        | —     | —     | —    |
| Flare #3        | 1626  | 1.37" | 343  |

| Flare Operation | Temp. | Vac. | SCFM |
|-----------------|-------|------|------|
| Flare #1        |       |      |      |
| Flare #2        |       |      |      |
| Flare #3        |       |      |      |

| Blower Oper. | RPM  | Hours   |
|--------------|------|---------|
| Blower #1    | —    | —       |
| Blower #2    | 2200 | 65507.8 |
| Blower #3    | —    | —       |

| LFG at Inlets | 6A NE | Vista | F9 / B9 |
|---------------|-------|-------|---------|
| Vacuum        |       |       |         |
| SCFM          |       |       |         |

Air Compressor Hours: 11976.2  
Google SCFM: am: 13 pm: \_\_\_\_\_

Back Up Generator Running \_\_\_\_\_ yes / no  
Control Room Bypass \_\_\_\_\_ yes / no  
The facility's program logic controller automatically reacted diligently and expeditiously to shut down the flare station, closed the shutdown valve as programmed, isolating all LFG in the piping system to avoid excess emissions, and notified the staff. \_\_\_\_\_ yes / no

| LFG at Inlets | 6A NE  | Vista  | F9 / B9 |
|---------------|--------|--------|---------|
| CH4 %         | 49.4   | 56.3   | 35.7    |
| CO2 %         | 33.7   | 35.8   | 26.1    |
| O2 %          | 2.3    | 0.5    | 5.9     |
| Vacuum        | -44.3" | -43.7" | -43.9"  |
| SCFM          | 179    | 152    | 138     |
| Temperature   | 71     | 71     | 68      |

The program logic controller or staff restarted the flare station and / or back-up generator in a diligent and expeditious manner to avoid excess emissions. \_\_\_\_\_ yes / no  
Comments and/or Description of Malfunction and Affected Equipment: \_\_\_\_\_

Time of Shutdown: \_\_\_\_\_  
Time of Start-Up: \_\_\_\_\_  
Duration of Shutdown/Malfunction: \_\_\_\_\_

Reason for Shutdown/Malfunction: \_\_\_\_\_  
 Air-Compressor System    Blower    High Gas Flow  
 High Temperature    LEL    Low Gas Flow  
 Low Temperature    UV Scanner System  
 Power Failure    Scheduled Preventive Maintenance

Emission Exceedence: \_\_\_\_\_ yes\* / no  
SSM Plan Procedures Followed: \_\_\_\_\_ yes / no\*  
If SSM Plan Procedure not followed, explain procedure used: \_\_\_\_\_

\* If Emission Exceedence or SSM Procedures are not followed it must be reported to EPA/BAAQMD within 24 hours per SSM plan. (Report to EEC immediately and complete departure report)

Are any comments, descriptions, other information, etc. continued on the back side? \_\_\_\_\_ yes / no

Signature \_\_\_\_\_ Date \_\_\_\_\_

SSM PLAN REPORT FORM /  
 FLARE STATION DAILY CHECKLIST  
 City of Mountain View Flare Station

Date 6-16-23  
 s m t w th f s

AM MONITORING

PM MONITORING

Name LEON ROSARIO

Name \_\_\_\_\_

Arrival Time 6:40am Departure Time 6:55am

Arrival Time \_\_\_\_\_ Departure Time \_\_\_\_\_

GEM# ENV #2 Manometer yes no

GEM# \_\_\_\_\_ Manometer yes / no

LFG to Flares

| CH4 %       | CO2 %       | O2 %       |
|-------------|-------------|------------|
| <u>46.9</u> | <u>31.7</u> | <u>2.9</u> |

LFG to Flares

| CH4 % | CO2 % | O2 % |
|-------|-------|------|
|       |       |      |

| Flare Operation | Temp.       | Vac.         | SCFM       |
|-----------------|-------------|--------------|------------|
| Flare #1        | <u>1627</u> | <u>1.69"</u> | <u>89</u>  |
| Flare #2        | <u>/</u>    | <u>/</u>     | <u>/</u>   |
| Flare #3        | <u>1629</u> | <u>1.46"</u> | <u>337</u> |

| Flare Operation | Temp. | Vac. | SCFM |
|-----------------|-------|------|------|
| Flare #1        |       |      |      |
| Flare #2        |       |      |      |
| Flare #3        |       |      |      |

| Blower Oper. | RPM         | Hours          |
|--------------|-------------|----------------|
| Blower #1    | <u>/</u>    | <u>/</u>       |
| Blower #2    | <u>2200</u> | <u>65507.0</u> |
| Blower #3    | <u>/</u>    | <u>/</u>       |

| LFG at Inlets | 6A NE | Vista | F9 / B9 |
|---------------|-------|-------|---------|
| Vacuum        |       |       |         |
| SCFM          |       |       |         |

Air Compressor Hours: 11989.7

Back Up Generator Running yes / no

Google SCFM: am: 14 pm: \_\_\_\_\_

Control Room Bypass yes / no

| LFG at Inlets | 6A NE         | Vista         | F9 / B9       |
|---------------|---------------|---------------|---------------|
| CH4 %         | <u>49.0</u>   | <u>55.8</u>   | <u>33.9</u>   |
| CO2 %         | <u>33.1</u>   | <u>35.5</u>   | <u>25.1</u>   |
| O2 %          | <u>2.6</u>    | <u>0.5</u>    | <u>6.1</u>    |
| Vacuum        | <u>-44.4"</u> | <u>-43.9"</u> | <u>-44.3"</u> |
| SCFM          | <u>180</u>    | <u>132</u>    | <u>134</u>    |
| Temperature   | <u>71</u>     | <u>71</u>     | <u>69</u>     |

The facility's program logic controller automatically reacted diligently and expeditiously to shut down the flare station, closed the shutdown valve as programmed isolating all LFG in the piping system to avoid excess emissions, and notified the staff.

The program logic controller or staff restarted the flare station and / or back-up generator in a diligent and expeditious manner to avoid excess emissions.

Comments and/or Description of Malfunction and Affected Equipment: \_\_\_\_\_

|                                   |
|-----------------------------------|
| Time of Shutdown:                 |
| Time of Start-Up:                 |
| Duration of Shutdown/Malfunction: |

Reason for Shutdown/Malfunction:

- Air-Compressor System     Blower     High Gas Flow  
 High Temperature     LEL     Low Gas Flow  
 Low Temperature     UV Scanner System  
 Power Failure     Scheduled Preventive Maintenance

Emission Exceedence: yes\* / no

SSM Plan Procedures Followed: yes / no\*

If SSM Plan Procedure not followed, explain procedure used: \_\_\_\_\_

\* If Emission Exceedence or SSM Procedures are not followed it must be reported to EPA/BAAQMD within 24 hours per SSM plan. (Report to EEC immediately and complete departure report)

Are any comments, descriptions, other information, etc. continued on the back side? yes / no

Signature \_\_\_\_\_ Date \_\_\_\_\_

SSM PLAN REPORT FORM /  
 FLARE STATION DAILY CHECKLIST  
 City of Mountain View Flare Station

Date June 19<sup>th</sup>, 2023  
 s m t w th f s

AM MONITORING

PM MONITORING

Name Adrian Vega  
 Arrival Time 6:23 AM Departure Time 6:47 AM  
 GEM# Emission # 2 Manometer  yes no

Name \_\_\_\_\_  
 Arrival Time \_\_\_\_\_ Departure Time \_\_\_\_\_  
 GEM# \_\_\_\_\_ Manometer \_\_\_\_\_ yes / no

LFG to Flares

| CH4 % | CO2 % | O2 % |
|-------|-------|------|
| 49.2  | 31.9  | 2.6  |

LFG to Flares

| CH4 % | CO2 % | O2 % |
|-------|-------|------|
|       |       |      |

| Flare Operation | Temp. | Vac.  | SCFM |
|-----------------|-------|-------|------|
| Flare #1        | 1612  | 2.97" | 182  |
| Flare #2        | 1625  | 2.65" | 264  |
| Flare #3        |       |       |      |

| Flare Operation | Temp. | Vac. | SCFM |
|-----------------|-------|------|------|
| Flare #1        |       |      |      |
| Flare #2        |       |      |      |
| Flare #3        |       |      |      |

| Blower Oper. | RPM  | Hours   |
|--------------|------|---------|
| Blower #1    |      |         |
| Blower #2    | 2200 | 65507.8 |
| Blower #3    |      |         |

| LFG at Inlets | 6A NE | Vista | F9 / B9 |
|---------------|-------|-------|---------|
| Vacuum        |       |       |         |
| SCFM          |       |       |         |

Air Compressor Hours: 12007.7  
 Google SCFM: am: 14 pm: \_\_\_\_\_

Back Up Generator Running \_\_\_\_\_ yes / no  
 Control Room Bypass \_\_\_\_\_ yes / no  
 The facility's program logic controller automatically reacted diligently and expeditiously to shut down the flare station, closed the shutdown valve as programmed isolating all LFG in the piping system to avoid excess emissions, and notified the staff. \_\_\_\_\_ yes / no

| LFG at Inlets | 6A NE  | Vista  | F9 / B9 |
|---------------|--------|--------|---------|
| CH4 %         | 48.6   | 55.8   | 39.2    |
| CO2 %         | 32.9   | 35.2   | 56.8    |
| O2 %          | 2.8    | 0.7    | 5.5     |
| Vacuum        | -43.5" | -42.8" | -43.3"  |
| SCFM          | 173    | 148    | 100     |
| Temperature   | 71     | 71     | 68      |

The program logic controller or staff restarted the flare station and / or back-up generator in a diligent and expeditious manner to avoid excess emissions. \_\_\_\_\_ yes / no  
 Comments and/or Description of Malfunction and Affected Equipment: \_\_\_\_\_

Time of Shutdown: \_\_\_\_\_  
 Time of Start-Up: \_\_\_\_\_  
 Duration of Shutdown/Malfunction: \_\_\_\_\_

Reason for Shutdown/Malfunction: \_\_\_\_\_  
 Air-Compressor System  Blower  High Gas Flow  
 High Temperature  LEL  Low Gas Flow  
 Low Temperature  UV Scanner System  
 Power Failure  Scheduled Preventive Maintenance

Emission Exceedence: \_\_\_\_\_ yes\* / no  
 SSM Plan Procedures Followed: \_\_\_\_\_ yes / no\*  
 If SSM Plan Procedure not followed, explain procedure used: \_\_\_\_\_

\* If Emission Exceedence or SSM Procedures are not followed it must be reported to EPA/BAAQMD within 24 hours per SSM plan. (Report to EEC immediately and complete departure report)

Signature \_\_\_\_\_ Date \_\_\_\_\_

Are any comments, descriptions, other information, etc. continued on the back side? \_\_\_\_\_ yes / no



SSM PLAN REPORT FORM /  
FLARE STATION DAILY CHECKLIST  
City of Mountain View Flare Station

Date June 26<sup>th</sup>, 2023  
s m t w th f s

AM MONITORING

PM MONITORING

Name Jason R. Bean

Name \_\_\_\_\_

Arrival Time 6:55am Departure Time 7:00am

Arrival Time \_\_\_\_\_ Departure Time \_\_\_\_\_

GEM: ENVUION #2 Manometer  yes / no

GEM# \_\_\_\_\_ Manometer \_\_\_\_\_ yes / no

LFG to Flares

| CH4 %       | CO2 %       | O2 %       |
|-------------|-------------|------------|
| <u>50.5</u> | <u>32.1</u> | <u>2.3</u> |

LFG to Flares

| CH4 % | CO2 % | O2 % |
|-------|-------|------|
|       |       |      |

| Flare Operation | Temp.       | Vac.         | SCFM       |
|-----------------|-------------|--------------|------------|
| Flare #1        | <u>1632</u> | <u>1.38"</u> | <u>85</u>  |
| Flare #2        | /           | /            | /          |
| Flare #3        | <u>1623</u> | <u>1.16"</u> | <u>315</u> |

| Flare Operation | Temp. | Vac. | SCFM |
|-----------------|-------|------|------|
| Flare #1        |       |      |      |
| Flare #2        |       |      |      |
| Flare #3        |       |      |      |

| Blower Oper. | RPM         | Hours          |
|--------------|-------------|----------------|
| Blower #1    | /           | /              |
| Blower #2    | <u>2200</u> | <u>65507.9</u> |
| Blower #3    | /           | /              |

| LFG at Inlets | 6A NE | Vista | F9 / B9 |
|---------------|-------|-------|---------|
| Vacuum        |       |       |         |
| SCFM          |       |       |         |

Air Compressor Hours: 12064.2

Back Up Generator Running \_\_\_\_\_ yes / no

Google SCFM: am: 9 pm: \_\_\_\_\_

Control Room Bypass \_\_\_\_\_ yes / no

| LFG at Inlets | 6A NE         | Vista         | F9 / B9       |
|---------------|---------------|---------------|---------------|
| CH4 %         | <u>49.4</u>   | <u>55.8</u>   | <u>42.3</u>   |
| CO2 %         | <u>33.1</u>   | <u>34.8</u>   | <u>28.1</u>   |
| O2 %          | <u>2.4</u>    | <u>0.7</u>    | <u>4.7</u>    |
| Vacuum        | <u>-44.6"</u> | <u>-44.0"</u> | <u>-44.6"</u> |
| SCFM          | <u>177</u>    | <u>220</u>    | <u>94</u>     |
| Temperature   | <u>72</u>     | <u>72</u>     | <u>69</u>     |

The facility's program logic controller automatically reacted diligently and expeditiously to shut down the flare station, closed the shutdown valve as programmed isolating all LFG in the piping system to avoid excess emissions, and notified the staff.

The program logic controller or staff restarted the flare station and / or back-up generator in a diligent and expeditious manner to avoid excess emissions.

Comments and/or Description of Malfunction and Affected Equipment: \_\_\_\_\_

Time of Shutdown: \_\_\_\_\_

Time of Start-Up: \_\_\_\_\_

Duration of Shutdown/Malfunction: \_\_\_\_\_

Reason for Shutdown/Malfunction: \_\_\_\_\_

- Air-Compressor System
- Blower
- High Gas Flow
- High Temperature
- LEL
- Low Gas Flow
- Low Temperature
- UV Scanner System
- Power Failure
- Scheduled Preventive Maintenance

Emission Exceedence: \_\_\_\_\_ yes\* / no

SSM Plan Procedures Followed: \_\_\_\_\_ yes / no\*

If SSM Plan Procedure not followed, explain procedure used: \_\_\_\_\_

\* If Emission Exceedence or SSM Procedures are not followed it must be reported to EPA/BAAQMD within 24 hours per SSM plan. (Report to EEC immediately and complete departure report)

Are any comments, descriptions, other information, etc. continued on the back side? \_\_\_\_\_ yes / no

Signature \_\_\_\_\_ Date \_\_\_\_\_

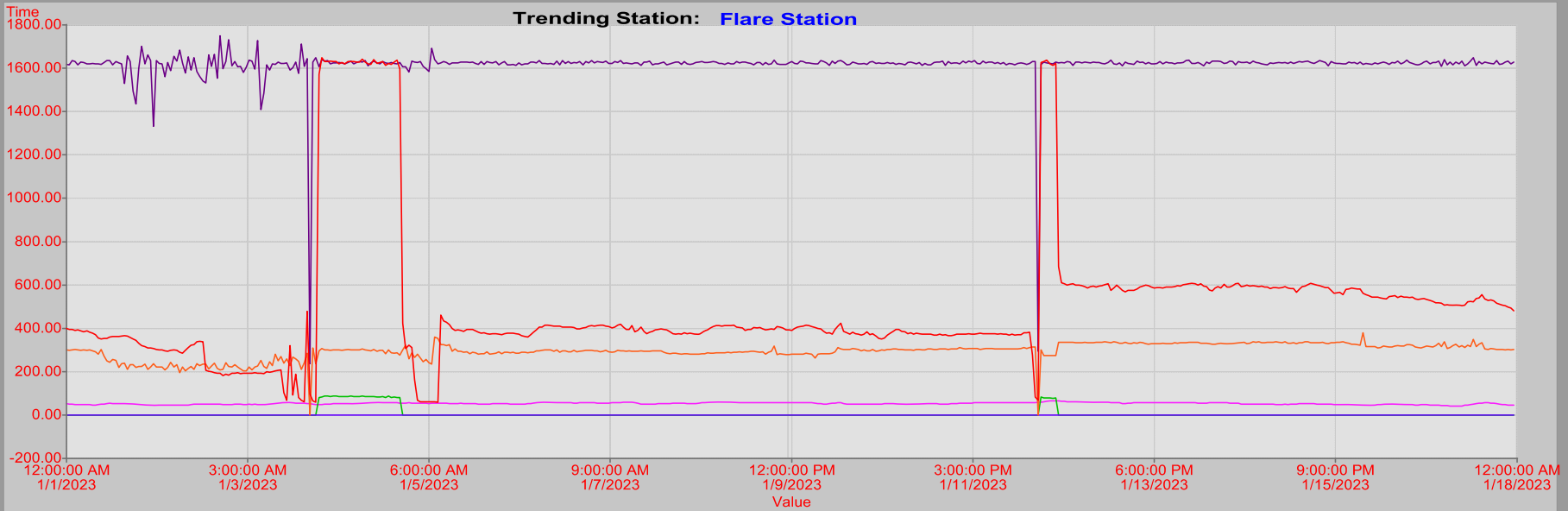
## SECTION VII

# CONTINUOUS TEMPERATURE AND FLOW MONITORING RECORDS

Trend Selection:

Flare Station **GO**

Trending Station: Flare Station



Hist.MOC\_Host.R46Flr6Temp.F\_CV  
Hist.MOC\_Host.R46Flr7Temp.F\_CV  
Hist.MOC\_Host.R46Flr8Temp.F\_CV  
Hist.MOC\_Host.R46Flr6aFlow.F\_CV  
Hist.MOC\_Host.R46Flr7aFlow.F\_CV  
Hist.MOC\_Host.R46Flr8aFlow.F\_CV

Flare 6 Temperature (deg F) (F\_CV)  
Flare 7 Temperature (deg F) (F\_CV)  
Flare 8 Temp (deg F) (F\_CV)  
Flare 1 - A6 Flow  
Flare 2 - A7 Flow  
Flare 3 - A8 Flow

393.00  
56.73  
1622.37  
0.00 scfm  
0.00 scfm  
279.00 scfm

Duration

1 Hour

6 Hour

12 Hour

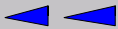
1 Day

3 Days

**Custom**

Reset Chart

**Nirmal**

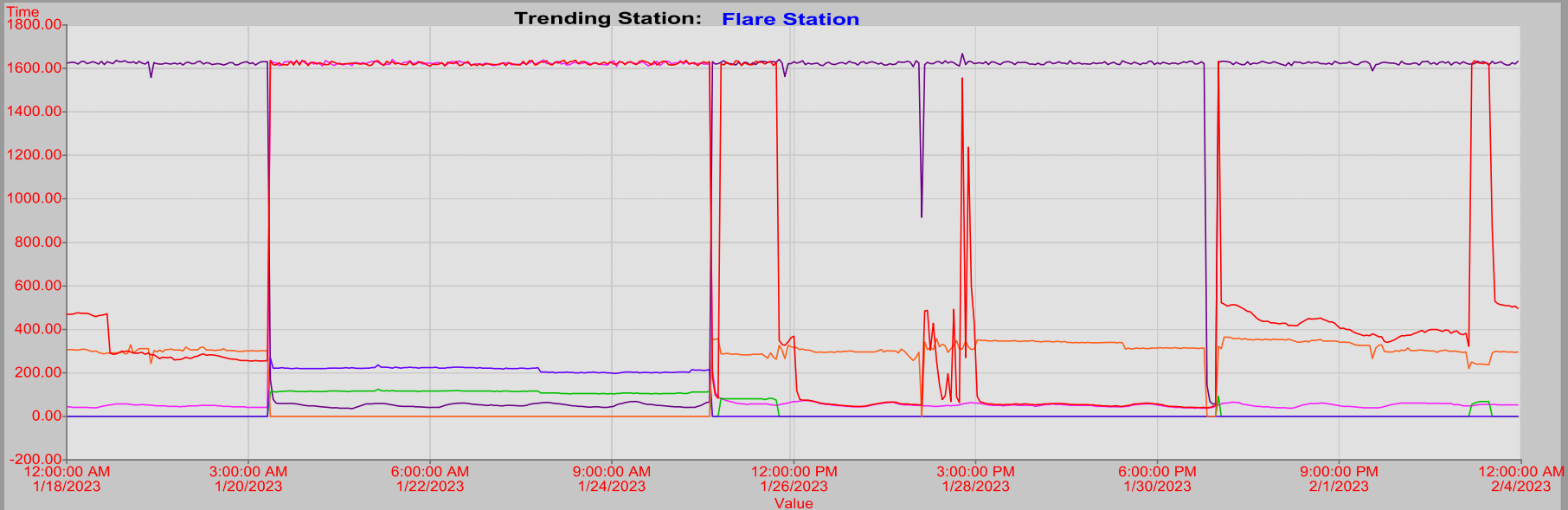


Trend Selection:

Flare Station

GO

Trending Station: Flare Station



Hist.MOC\_Host.R46Flr6Temp.F\_CV  
Hist.MOC\_Host.R46Flr7Temp.F\_CV  
Hist.MOC\_Host.R46Flr8Temp.F\_CV  
Hist.MOC\_Host.R46Flr6aFlow.F\_CV  
Hist.MOC\_Host.R46Flr7aFlow.F\_CV  
Hist.MOC\_Host.R46Flr8aFlow.F\_CV

Flare 6 Temperature (deg F) (F\_CV)  
Flare 7 Temperature (deg F) (F\_CV)  
Flare 8 Temp (deg F) (F\_CV)  
Flare 1 - A6 Flow  
Flare 2 - A7 Flow  
Flare 3 - A8 Flow

355.82  
64.18  
1622.73  
0.00 scfm  
0.00 scfm  
322.18 scfm

Duration

1 Hour

6 Hour

12 Hour

1 Day

3 Days

Custom

Reset Chart

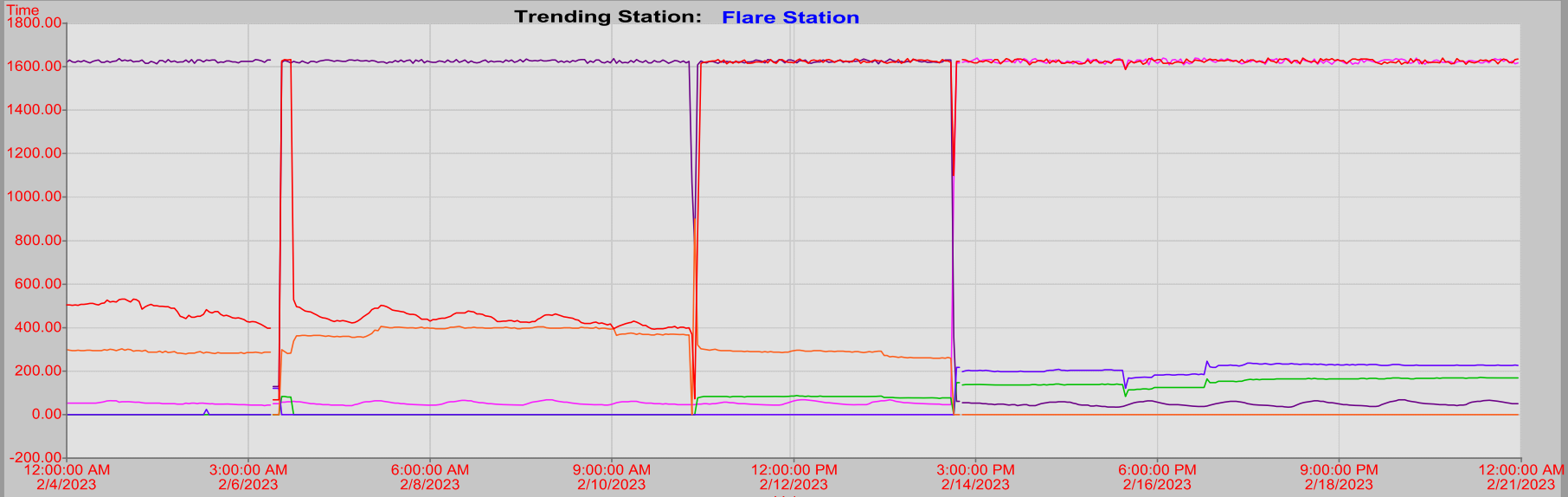
Nirmal



Trend Selection:

Flare Station GO

Trending Station: Flare Station



Hist.MOC\_Host.R46Flr6Temp.F\_CV  
Hist.MOC\_Host.R46Flr7Temp.F\_CV  
Hist.MOC\_Host.R46Flr8Temp.F\_CV  
Hist.MOC\_Host.R46Flr6aFlow.F\_CV  
Hist.MOC\_Host.R46Flr7aFlow.F\_CV  
Hist.MOC\_Host.R46Flr8aFlow.F\_CV

Flare 6 Temperature (deg F) (F\_CV)  
Flare 7 Temperature (deg F) (F\_CV)  
Flare 8 Temp (deg F) (F\_CV)  
Flare 1 - A6 Flow  
Flare 2 - A7 Flow  
Flare 3 - A8 Flow

1620.27  
58.64  
1630.27  
84.73 scfm  
0.00 scfm  
290.18 scfm

Duration

1 Hour

6 Hour

12 Hour

1 Day

3 Days

Custom

Reset Chart

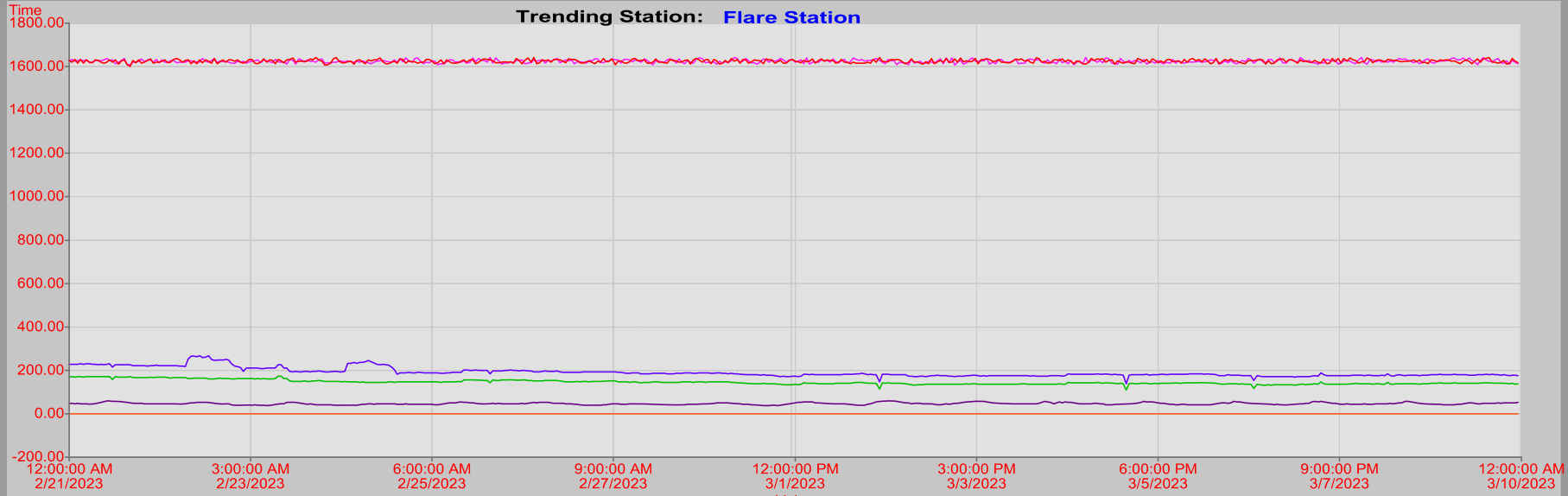
Nirmal



Trend Selection:

Flare Station GO

Trending Station: Flare Station



Hist.MOC\_Host.R46Flr6Temp.F\_CV  
Hist.MOC\_Host.R46Flr7Temp.F\_CV  
Hist.MOC\_Host.R46Flr8Temp.F\_CV  
Hist.MOC\_Host.R46Flr6aFlow.F\_CV  
Hist.MOC\_Host.R46Flr7aFlow.F\_CV  
Hist.MOC\_Host.R46Flr8aFlow.F\_CV

Value  
Flare 6 Temperature (deg F) (F\_CV) 1632.37  
Flare 7 Temperature (deg F) (F\_CV) 1632.91  
Flare 8 Temp (deg F) (F\_CV) 48.46  
Flare 1 - A6 Flow 134.00 scfm  
Flare 2 - A7 Flow 173.46 scfm  
Flare 3 - A8 Flow 0.00 scfm

Duration

1 Hour

6 Hour

12 Hour

1 Day

3 Days

Custom

Reset Chart

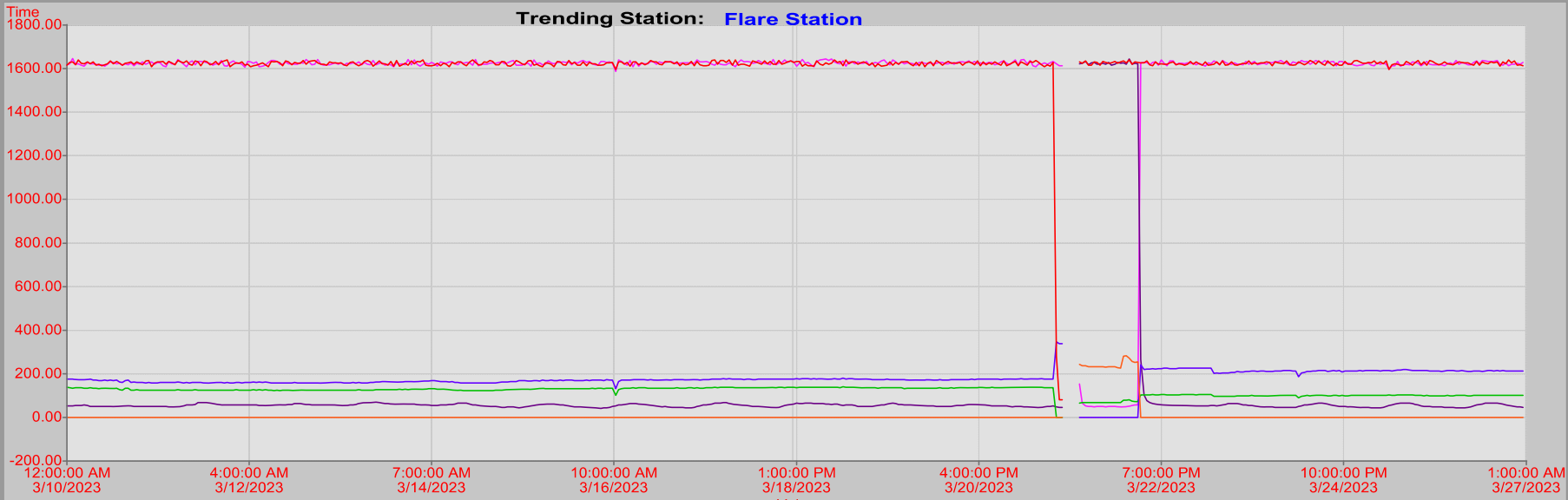
Nirmal



Trend Selection:

Flare Station GO

Trending Station: Flare Station



Hist.MOC\_Host.R46Flr6Temp.F\_CV  
Hist.MOC\_Host.R46Flr7Temp.F\_CV  
Hist.MOC\_Host.R46Flr8Temp.F\_CV  
Hist.MOC\_Host.R46Flr6aFlow.F\_CV  
Hist.MOC\_Host.R46Flr7aFlow.F\_CV  
Hist.MOC\_Host.R46Flr8aFlow.F\_CV

Flare 6 Temperature (deg F) (F\_CV)  
Flare 7 Temperature (deg F) (F\_CV)  
Flare 8 Temp (deg F) (F\_CV)  
Flare 1 - A6 Flow  
Flare 2 - A7 Flow  
Flare 3 - A8 Flow

1630.63  
1631.63  
61.46  
138.00 scfm  
176.00 scfm  
0.00 scfm

Duration

1 Hour

6 Hour

12 Hour

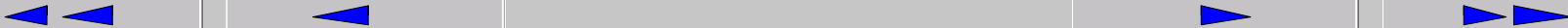
1 Day

3 Days

Custom

Reset Chart

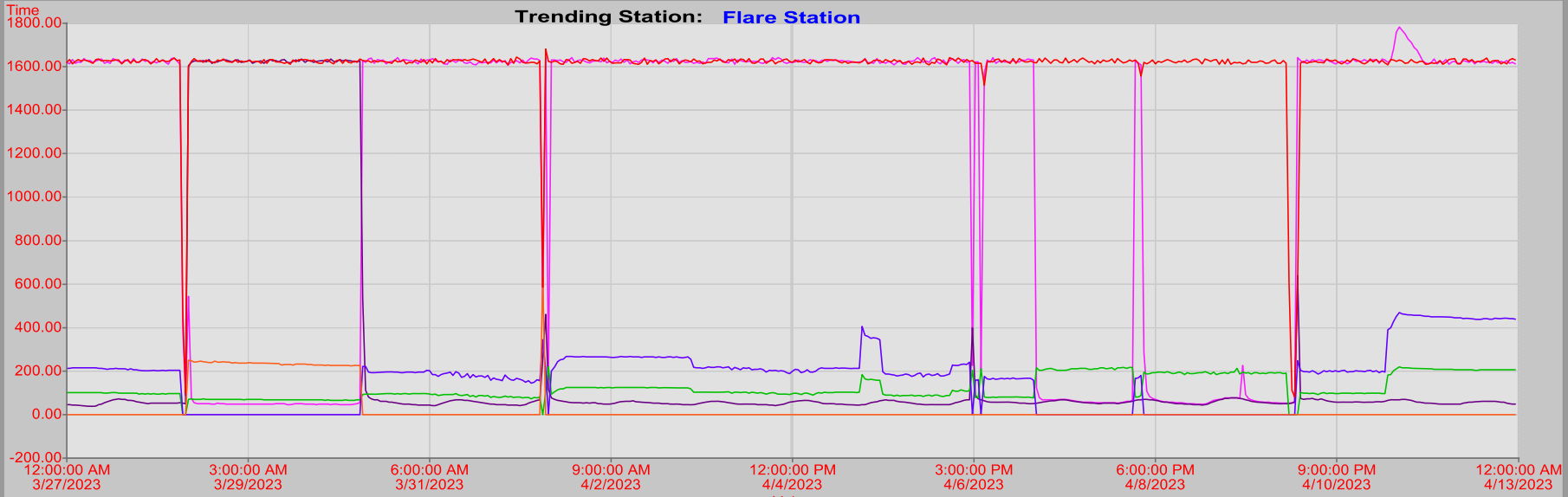
Nirmal



Trend Selection:

Flare Station GO

Trending Station: Flare Station



Hist.MOC\_Host.R46Flr6Temp.F\_CV  
Hist.MOC\_Host.R46Flr7Temp.F\_CV  
Hist.MOC\_Host.R46Flr8Temp.F\_CV  
Hist.MOC\_Host.R46Flr6aFlow.F\_CV  
Hist.MOC\_Host.R46Flr7aFlow.F\_CV  
Hist.MOC\_Host.R46Flr8aFlow.F\_CV

Flare 6 Temperature (deg F) (F\_CV)  
Flare 7 Temperature (deg F) (F\_CV)  
Flare 8 Temp (deg F) (F\_CV)  
Flare 1 - A6 Flow  
Flare 2 - A7 Flow  
Flare 3 - A8 Flow

1623.15  
1619.93  
57.39  
93.78 scfm  
193.56 scfm  
0.00 scfm

Duration

1 Hour

6 Hour

12 Hour

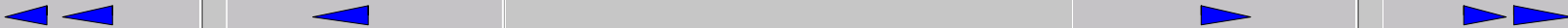
1 Day

3 Days

Custom

Reset Chart

Nirmal

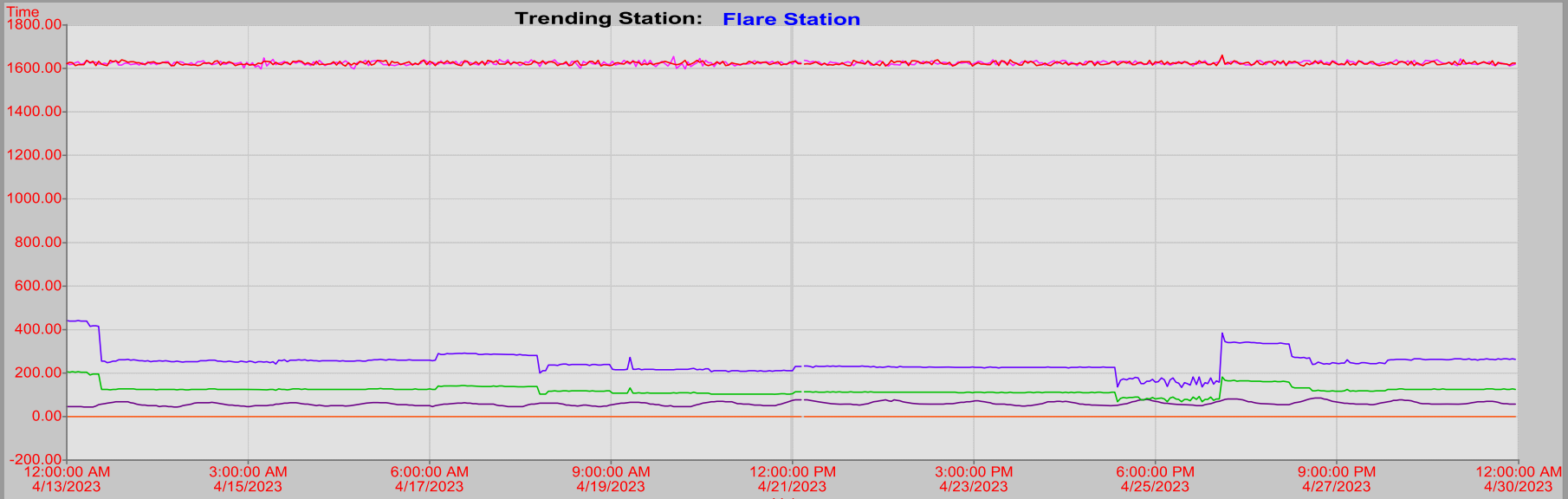




Trend Selection:

Flare Station

Trending Station: Flare Station



Hist.MOC\_Host.R46Flr6Temp.F\_CV  
Hist.MOC\_Host.R46Flr7Temp.F\_CV  
Hist.MOC\_Host.R46Flr8Temp.F\_CV  
Hist.MOC\_Host.R46Flr6aFlow.F\_CV  
Hist.MOC\_Host.R46Flr7aFlow.F\_CV  
Hist.MOC\_Host.R46Flr8aFlow.F\_CV

Flare 6 Temperature (deg F) (F\_CV)  
Flare 7 Temperature (deg F) (F\_CV)  
Flare 8 Temp (deg F) (F\_CV)  
Flare 1 - A6 Flow  
Flare 2 - A7 Flow  
Flare 3 - A8 Flow

Value  
1627.85  
1625.83  
71.85  
104.46 scfm  
210.46 scfm  
0.00 scfm

Duration

1 Hour

6 Hour

12 Hour

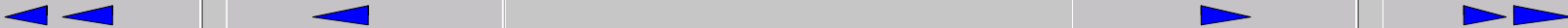
1 Day

3 Days

Custom

Reset Chart

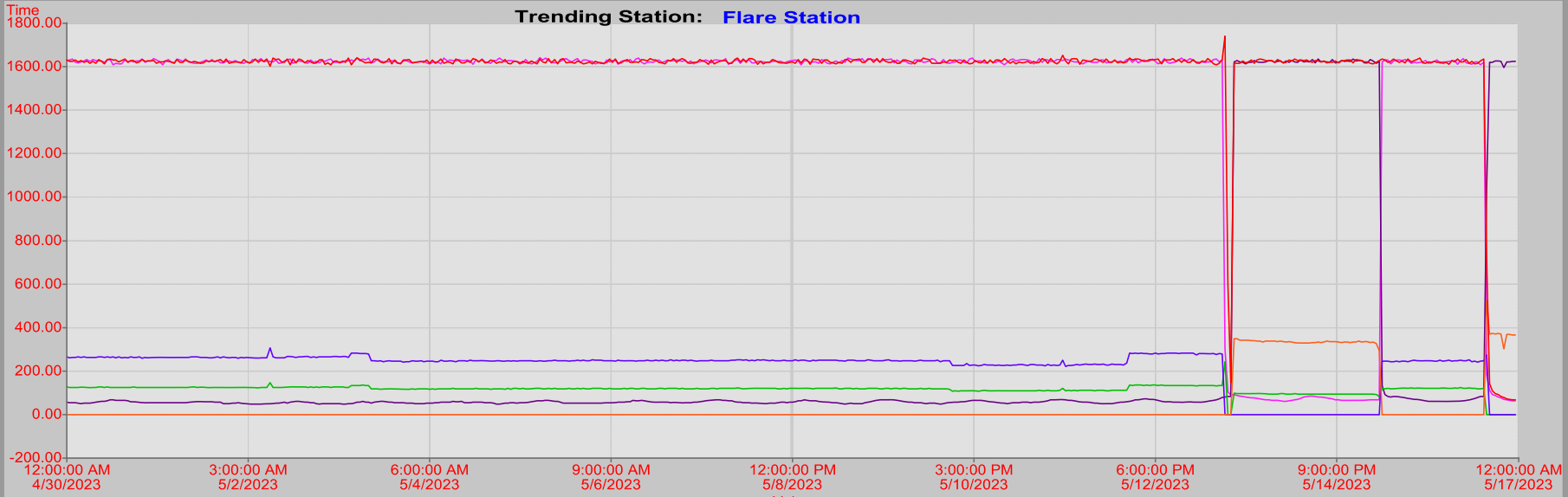
Nirmal



Trend Selection:

Flare Station **GO**

Trending Station: Flare Station



Hist.MOC\_Host.R46Flr6Temp.F\_CV  
Hist.MOC\_Host.R46Flr7Temp.F\_CV  
Hist.MOC\_Host.R46Flr8Temp.F\_CV  
Hist.MOC\_Host.R46Flr6aFlow.F\_CV  
Hist.MOC\_Host.R46Flr7aFlow.F\_CV  
Hist.MOC\_Host.R46Flr8aFlow.F\_CV

Flare 6 Temperature (deg F) (F\_CV)  
Flare 7 Temperature (deg F) (F\_CV)  
Flare 8 Temp (deg F) (F\_CV)  
Flare 1 - A6 Flow  
Flare 2 - A7 Flow  
Flare 3 - A8 Flow

1621.39  
1627.93  
57.46  
120.00 scfm  
247.93 scfm  
0.00 scfm

Duration

1 Hour

6 Hour

12 Hour

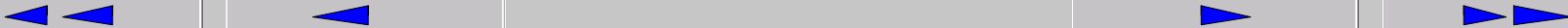
1 Day

3 Days

**Custom**

Reset Chart

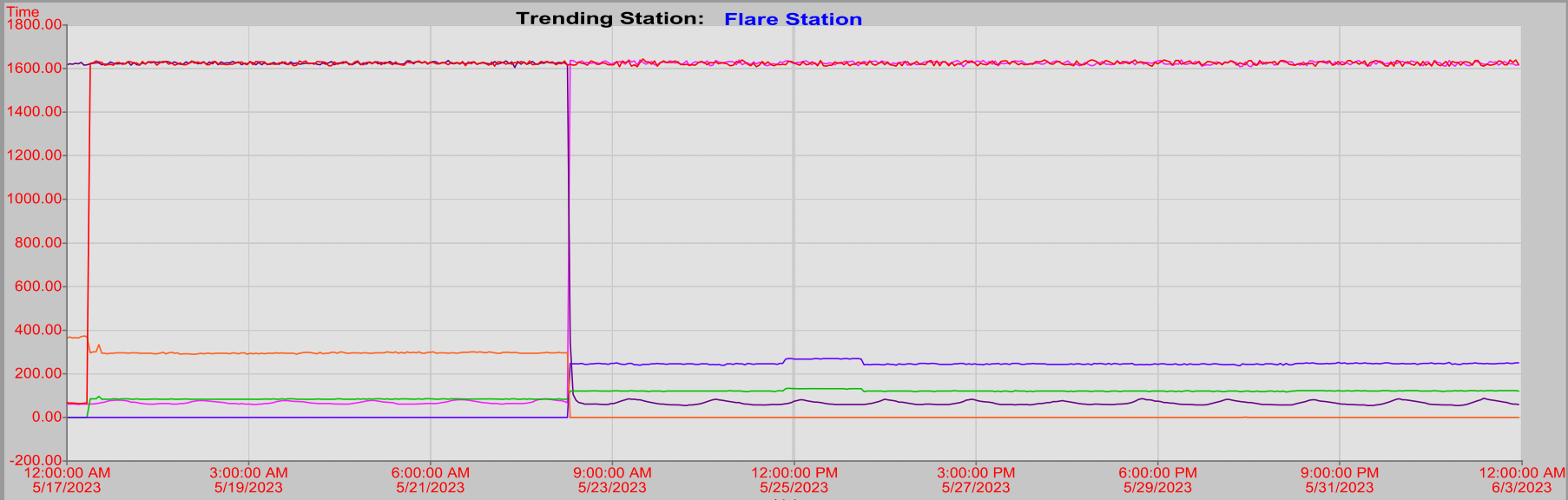
**Nirmal**



Trend Selection:

Flare Station GO

Trending Station: Flare Station



Hist.MOC\_Host.R46Flr6Temp.F\_CV  
Hist.MOC\_Host.R46Flr7Temp.F\_CV  
Hist.MOC\_Host.R46Flr8Temp.F\_CV  
Hist.MOC\_Host.R46Flr6aFlow.F\_CV  
Hist.MOC\_Host.R46Flr7aFlow.F\_CV  
Hist.MOC\_Host.R46Flr8aFlow.F\_CV

|                                    |         |      |
|------------------------------------|---------|------|
| Flare 6 Temperature (deg F) (F_CV) | 1629.75 |      |
| Flare 7 Temperature (deg F) (F_CV) | 1626.22 |      |
| Flare 8 Temp (deg F) (F_CV)        | 71.32   |      |
| Flare 1 - A6 Flow                  | 132.00  | scfm |
| Flare 2 - A7 Flow                  | 269.07  | scfm |
| Flare 3 - A8 Flow                  | 0.00    | scfm |

Duration

1 Hour

6 Hour

12 Hour

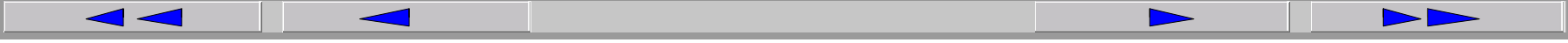
1 Day

3 Days

**Custom**

Reset Chart

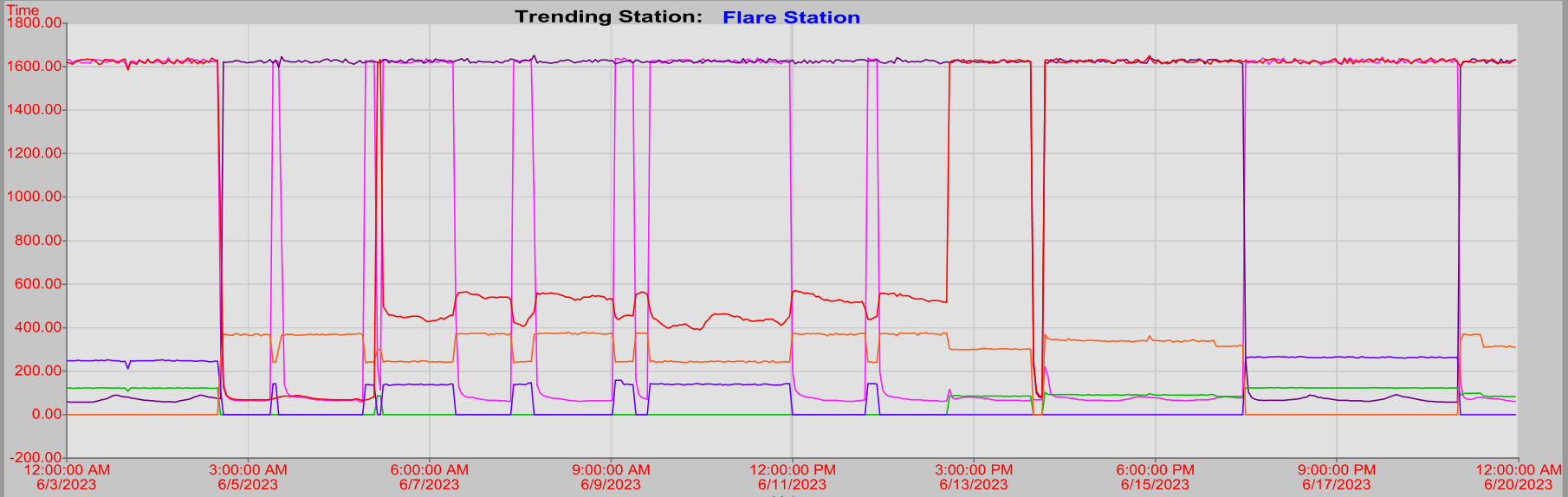
**Nirmal**



Trend Selection:

Flare Station

Trending Station: Flare Station



Hist.MOC\_Host.R46Flr6Temp.F\_CV  
Hist.MOC\_Host.R46Flr7Temp.F\_CV  
Hist.MOC\_Host.R46Flr8Temp.F\_CV  
Hist.MOC\_Host.R46Flr6aFlow.F\_CV  
Hist.MOC\_Host.R46Flr7aFlow.F\_CV  
Hist.MOC\_Host.R46Flr8aFlow.F\_CV

Flare 6 Temperature (deg F) (F\_CV)  
Flare 7 Temperature (deg F) (F\_CV)  
Flare 8 Temp (deg F) (F\_CV)  
Flare 1 - A6 Flow  
Flare 2 - A7 Flow  
Flare 3 - A8 Flow

502.94  
968.17  
1626.25  
0.00 scfm  
76.15 scfm  
300.82 scfm

Duration

1 Hour

6 Hour

12 Hour

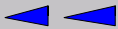
1 Day

3 Days

Custom

Reset Chart

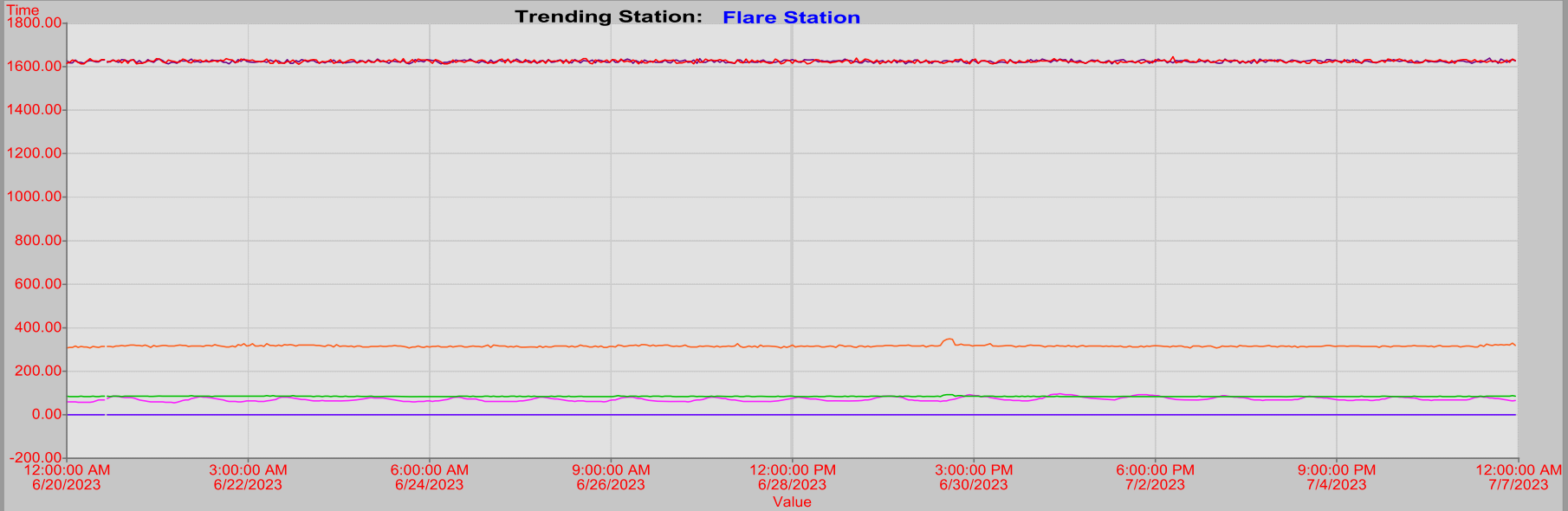
Nirmal



Trend Selection:

Flare Station

Trending Station: Flare Station



Hist.MOC\_Host.R46Flr6Temp.F\_CV  
Hist.MOC\_Host.R46Flr7Temp.F\_CV  
Hist.MOC\_Host.R46Flr8Temp.F\_CV  
Hist.MOC\_Host.R46Flr6aFlow.F\_CV  
Hist.MOC\_Host.R46Flr7aFlow.F\_CV  
Hist.MOC\_Host.R46Flr8aFlow.F\_CV

|                                    |         |      |
|------------------------------------|---------|------|
| Flare 6 Temperature (deg F) (F_CV) | 1622.44 |      |
| Flare 7 Temperature (deg F) (F_CV) | 74.39   |      |
| Flare 8 Temp (deg F) (F_CV)        | 1630.85 |      |
| Flare 1 - A6 Flow                  | 85.46   | scfm |
| Flare 2 - A7 Flow                  | 0.00    | scfm |
| Flare 3 - A8 Flow                  | 316.25  | scfm |

Duration

1 Hour

6 Hour

12 Hour

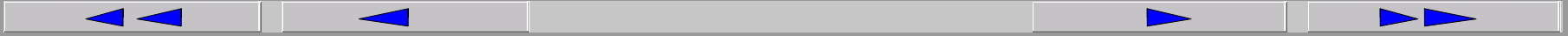
1 Day

3 Days

**Custom**

Reset Chart

**Nirmal**



## SECTION VIII

### LANDFILL GAS FLOW METER CALIBRATION

**CITY OF MOUNTAIN VIEW  
LANDFILL GAS FLOW METER CALIBRATION  
January 1 - June 30, 2023**

| <b>Date</b> | <b>Location</b>                    | <b>Calibrated *</b> |
|-------------|------------------------------------|---------------------|
| 2/14/2023   | 6A Northeast, Crittenden Header    | Yes *               |
| 2/14/2023   | Front/Back Nine                    | Yes *               |
| 2/14/2023   | Vista                              | Yes *               |
| 6/14/2023   | Flare Station, Flare A-6 (Flare 1) | Yes *               |
| 6/14/2023   | Flare Station, Flare A-7 (Flare 2) | Yes *               |
| 6/14/2023   | Flare Station, Flare A-8 (Flare 3) | Yes *               |

\* Calibration certificates are attached.

# Calibration Certificate

Telstar Instruments Inc  
 1717 Solano Way, Suite #34, Concord Ca  
 Tel 925-671-2888 - Fax 925-671-9507



Certificate **CC-10-40884-06**  
 Calibration date **2/14/2023**  
 Next calibration due **2/14/2024**  
**Location of calibration**  
 Company name  
 Address **231 north whisman rd mountain view ca 94043**

**Customer information**  
 Company name **City of Mountain View**  
 Address **231 north whisman rd mountain view ca 94043**  
 Contact **Rene Munoz**

**Instrument information**  
 Manufacturer **Rosemount**  
 Model **3051CD2A22A1AB4M5**  
 Serial **22SHPG03744213**  
 Tag **NA**  
 Description **Crittenden GA NE Gas Flow**

Received In Tolerance  
 Returned In Tolerance  
 Calibrated range 0 to 10 "H2O  
 User Specified Tolerance 1.00 %  
 Instrument Output 4 to 20 mA

**Test standards used** This calibration certificate documents the traceability to national standards, which states the units of measurement according to the International System of Units (SI)

| ID      | Description                  | Serial number | Certificate | Due date |
|---------|------------------------------|---------------|-------------|----------|
| CAL121  | Fluke 725 Process Calibrator | 9420157       | 1026719     | 01/13/24 |
| TEST191 | FLUKE 700P04                 | 92700402      | 10298945    | 01/12/24 |
|         |                              |               |             |          |
|         |                              |               |             |          |
|         |                              |               |             |          |
|         |                              |               |             |          |

**Procedure Used**

CP0005

As Found = As Left

**As Found**

| Cal. point(s) | Standard | Expected Output | Display | Measured Output | Error | Output Error |
|---------------|----------|-----------------|---------|-----------------|-------|--------------|
| 1             | 0        | 4.000           | 0.00    | 3.997           | 0.00  | -0.02        |
| 2             | 2.5      | 8.000           | 2.50    | 8.003           | 0.00  | 0.02         |
| 3             | 5        | 12.000          | 5.02    | 12.007          | 0.20  | 0.04         |
| 4             | 7.5      | 16.000          | 7.48    | 16.013          | -0.20 | 0.08         |
| 5             | 10       | 20.000          | 10.02   | 20.003          | 0.20  | 0.02         |
| 6             |          |                 |         |                 |       |              |
| 7             |          |                 |         |                 |       |              |
| 8             |          |                 |         |                 |       |              |
| 9             |          |                 |         |                 |       |              |
| 10            |          |                 |         |                 |       |              |
| Units*        | "H2O     | mA              | "H2O    | mA              | %     | %            |

**As Left**

| Standard | Expected Output | Display | Measured Output | Error | Output Error |
|----------|-----------------|---------|-----------------|-------|--------------|
|          |                 |         |                 |       |              |
|          |                 |         |                 |       |              |
|          |                 |         |                 |       |              |
|          |                 |         |                 |       |              |
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|          |                 |         |                 |       |              |
|          |                 |         |                 |       |              |
|          |                 |         |                 |       |              |
|          |                 |         |                 |       |              |
| "H2O     | mA              | "H2O    | mA              | %     | %            |

Error calculated as percent of span

**Conformity**  
 UUT conforms  UUT does not conform

INSTRUMENT RETURNED TO SERVICE (EXPLAIN IN REMARKS IF NOT)

**Remarks**

This calibration certificate should not be published or reproduced other than in full

Service Engineer **Erik Johnson** Date **2/14/2023**  
 Signature *Erik Johnson*



# Calibration Certificate

Telstar Instruments Inc  
 1717 Solano Way, Suite #34, Concord Ca  
 Tel 925-671-2888 - Fax 925-671-9507



Certificate **CC-10-40884-02**  
 Calibration date **2/14/2023**  
 Next calibration due **2/14/2024**  
**Location of calibration**  
 Company name  
 Address **231 north whisman rd mountain view ca 94043**

**Customer information**  
 Company name **City of Mountain View**  
 Address **231 north whisman rd mountain view ca 94043**  
 Contact **Rene Munoz**

**Instrument information**  
 Manufacturer **Rosemount**  
 Model **3051CD2A22A1AB4M5**  
 Serial **22SHPG0374214**  
 Tag **NA**  
 Description **Front 9 - Back 9 Flow**

Received In Tolerance  
 Returned In Tolerance  
 Calibrated range 0 to 10 "H2O  
 User Specified Tolerance 1.00 %  
 Instrument Output 4 to 20 mA

**Test standards used** This calibration certificate documents the traceability to national standards, which states the units of measurement according to the International System of Units (SI)

| ID      | Description                  | Serial number | Certificate | Due date |
|---------|------------------------------|---------------|-------------|----------|
| CAL121  | Fluke 725 Process Calibrator | 9420157       | 1026719     | 01/13/24 |
| TEST191 | FLUKE 700P04                 | 92700402      | 10298945    | 01/12/24 |
|         |                              |               |             |          |
|         |                              |               |             |          |
|         |                              |               |             |          |
|         |                              |               |             |          |

**Procedure Used**

CP0005

As Found = As Left

**As Found**

| Cal. point(s) | Standard | Expected Output | Display | Measured Output | Error | Output Error |
|---------------|----------|-----------------|---------|-----------------|-------|--------------|
| 1             | 0        | 4.000           | 0.02    | 4.002           | 0.20  | 0.01         |
| 2             | 2.5      | 8.000           | 2.48    | 8.003           | -0.20 | 0.02         |
| 3             | 5        | 12.000          | 5.03    | 12.009          | 0.30  | 0.06         |
| 4             | 7.5      | 16.000          | 7.51    | 16.012          | 0.10  | 0.08         |
| 5             | 10       | 20.000          | 10.02   | 20.013          | 0.20  | 0.08         |
| 6             |          |                 |         |                 |       |              |
| 7             |          |                 |         |                 |       |              |
| 8             |          |                 |         |                 |       |              |
| 9             |          |                 |         |                 |       |              |
| 10            |          |                 |         |                 |       |              |
| Units*        | "H2O     | mA              | "H2O    | mA              | %     | %            |

**As Left**

| Standard | Expected Output | Display | Measured Output | Error | Output Error |
|----------|-----------------|---------|-----------------|-------|--------------|
|          |                 |         |                 |       |              |
|          |                 |         |                 |       |              |
|          |                 |         |                 |       |              |
|          |                 |         |                 |       |              |
|          |                 |         |                 |       |              |
|          |                 |         |                 |       |              |
|          |                 |         |                 |       |              |
|          |                 |         |                 |       |              |
|          |                 |         |                 |       |              |
| "H2O     | mA              | "H2O    | mA              | %     | %            |

Error calculated as percent of span

**Conformity**  
 UUT conforms  UUT does not conform

INSTRUMENT RETURNED TO SERVICE (EXPLAIN IN REMARKS IF NOT)

**Remarks**

This calibration certificate should not be published or reproduced other than in full

Service Engineer **Erik Johnson** Date **2/14/2023**  
 Signature *Erik Johnson*

# Calibration Certificate

Telstar Instruments Inc  
 1717 Solano Way, Suite #34, Concord Ca  
 Tel 925-671-2888 - Fax 925-671-9507



Certificate **CC-10-40884-04**  
 Calibration date **2/14/2023**  
 Next calibration due **2/14/2024**

**Customer information**

Company name **City of Mountain View**  
 Address **231 north whisman rd mountain view ca 94043**  
 Contact **Rene Munoz**

**Location of calibration**

Company name  
 Address **231 north whisman rd mountain view ca 94043**

**Instrument information**

Manufacturer **Rosemount**  
 Model **3051CD2A22A1AB4M5**  
 Serial **22SHPG0374212**  
 Tag **NA**  
 Description **Flare station vista flow**

Received In Tolerance  
 Returned In Tolerance

Calibrated range 0 to 10 "H2O  
 User Specified Tolerance 1.00 %  
 Instrument Output 4 to 20 mA

**Test standards used** This calibration certificate documents the traceability to national standards, which states the units of measurement according to the International System of Units (SI)

| ID      | Description                  | Serial number | Certificate | Due date |
|---------|------------------------------|---------------|-------------|----------|
| CAL121  | Fluke 725 Process Calibrator | 9420157       | 1026719     | 01/13/24 |
| TEST191 | FLUKE 700P04                 | 92700402      | 10298945    | 01/12/24 |
|         |                              |               |             |          |
|         |                              |               |             |          |
|         |                              |               |             |          |
|         |                              |               |             |          |

**Procedure Used**

CP0005

As Found = As Left

**As Found**

| Cal. point(s) | Standard | Expected Output | Display | Measured Output | Error | Output Error |
|---------------|----------|-----------------|---------|-----------------|-------|--------------|
| 1             | 0        | 4.000           | 0.03    | 4.006           | 0.30  | 0.04         |
| 2             | 2.5      | 8.000           | 2.51    | 8.006           | 0.10  | 0.04         |
| 3             | 5        | 12.000          | 5.00    | 12.010          | 0.00  | 0.06         |
| 4             | 7.5      | 16.000          | 7.52    | 15.998          | 0.20  | -0.01        |
| 5             | 10       | 20.000          | 10.01   | 20.011          | 0.10  | 0.07         |
| 6             |          |                 |         |                 |       |              |
| 7             |          |                 |         |                 |       |              |
| 8             |          |                 |         |                 |       |              |
| 9             |          |                 |         |                 |       |              |
| 10            |          |                 |         |                 |       |              |
| Units*        | "H2O     | mA              | "H2O    | mA              | %     | %            |

**As Left**

| Standard | Expected Output | Display | Measured Output | Error | Output Error |
|----------|-----------------|---------|-----------------|-------|--------------|
|          |                 |         |                 |       |              |
|          |                 |         |                 |       |              |
|          |                 |         |                 |       |              |
|          |                 |         |                 |       |              |
|          |                 |         |                 |       |              |
|          |                 |         |                 |       |              |
|          |                 |         |                 |       |              |
|          |                 |         |                 |       |              |
|          |                 |         |                 |       |              |
| "H2O     | mA              | "H2O    | mA              | %     | %            |

Error calculated as percent of span

**Conformity**

UUT conforms  UUT does not conform

INSTRUMENT RETURNED TO SERVICE (EXPLAIN IN REMARKS IF NOT)

**Remarks**

This calibration certificate should not be published or reproduced other than in full

Service Engineer  
 Signature

**Erik Johnson**  
*Erik Johnson*

Date 2/14/2023

June 14, 2023

**CALIBRATION DATA SHEET**

Consistent with ISO 10474 2.1 or EN 10204 2.1

**Contact Information**

|                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                        |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Purchase Order:</b> 0<br><b>Customer Name:</b> Telstar Instruments<br><b>Location/Project:</b> Mountain View/18 1 SMI Utility<br><b>Address 1:</b> 231 Whisman Road<br><b>Address 2:</b> Mountain View Ca 94043<br><b>Customer Contact:</b> Tyrone Brown<br><b>Phone:</b> 510-693-8043<br><b>Email:</b> tbrown@telstarinc.com | <b>Service Request:</b> 0<br><b>Quote#:</b> 0<br><b>Sales Representative:</b> 0<br><b>Phone:</b><br><b>Email:</b><br><b>Service Representative:</b> David James<br><b>Phone:</b> 209-597-0378<br><b>Email:</b> David.James@Emerson.com |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

**Device Information**

|                                                                                                                                                |
|------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Device Type:</b> Multivariable<br><b>Device Tag:</b> FL-109A<br><b>Model:</b> 3051SMV5M11A3R2E11A1AC12B4C2E5M5Q4<br><b>Serial #:</b> 446400 |
|------------------------------------------------------------------------------------------------------------------------------------------------|

**Calibration Range Data**

|                                                                                                                                                                                     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Static Pressure Range:</b> 14.7 To 30 PSI<br><b>Differential Pressure Range:</b> 0 To 12 InH2O<br><b>Temperature Range:</b> 0 To 150 F<br><b>Analog Output Range:</b> 4 To 20 mA |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

**Test Equipment Used**

| Asset #  | Description                              | Calibration Due |
|----------|------------------------------------------|-----------------|
| ES-01491 | Fluke 754 Documenting Process Calibrator | 28-Mar-24       |
| PS-01356 | Fluke 750PA5 0-30 PSIA Pressure Module   | 28-Mar-24       |
| PS-01406 | Fluke 750P02 0-1 PSIG Pressure Module    | 28-Mar-24       |
| 0        | 0                                        | 0-Jan-00        |

**As Found Calibration Data**

| Target % Of Span | Static Pressure        |             |                                  |                         | Differential Pressure |               |                                       |                           |
|------------------|------------------------|-------------|----------------------------------|-------------------------|-----------------------|---------------|---------------------------------------|---------------------------|
|                  | Specified Range in PSI | Applied PSI | Indicated Static Pressure in PSI | Pass Fail +/- 0.052 PSI | Specified Range InH2O | Applied InH2O | Indicated Differential Pressure InH2O | Pass Fail +/- 0.012 InH2O |
| 0.00             | 14.70                  | 14.700      | 14.720                           | Pass                    | 0.00                  | 0.000         | 0.000                                 | Pass                      |
| 25.00            | 18.53                  | 18.525      | 18.530                           | Pass                    | 3.00                  | 3.000         | 2.990                                 | Pass                      |
| 50.00            | 22.35                  | 22.350      | 22.360                           | Pass                    | 6.00                  | 6.000         | 5.990                                 | Pass                      |
| 75.00            | 26.18                  | 26.175      | 26.180                           | Pass                    | 9.00                  | 9.000         | 8.990                                 | Pass                      |
| 100.00           | 30.00                  | 30.000      | 30.010                           | Pass                    | 12.00                 | 12.000        | 12.000                                | Pass                      |

| Target % Of Span | Temperature           |               |                              |                            | Analog Out         |              |                     |                        |
|------------------|-----------------------|---------------|------------------------------|----------------------------|--------------------|--------------|---------------------|------------------------|
|                  | Specified Range Deg F | Applied Deg F | Indicated Digital Temp Deg F | Pass Fail +/- 0.6666 Deg F | Specified Range mA | Simulated mA | Indicated Output mA | Pass Fail +/- 0.016 mA |
| 0.00             | 0.00                  | 0.00          | -0.070                       | Pass                       | 4.0000             | 4.0000       | 4.0020              | Pass                   |
| 25.00            | 37.50                 | 37.50         | 37.450                       | Pass                       | 8.0000             | 8.0000       | 8.0020              | Pass                   |
| 50.00            | 75.00                 | 75.00         | 74.970                       | Pass                       | 12.0000            | 12.0000      | 12.0030             | Pass                   |
| 75.00            | 112.50                | 112.50        | 112.510                      | Pass                       | 16.0000            | 16.0000      | 16.0030             | Pass                   |
| 100.00           | 150.00                | 150.00        | 150.060                      | Pass                       | 20.0000            | 20.0000      | 20.0040             | Pass                   |

**As Left Calibration Data**

| Target % Of Span | Static Pressure        |             |                                  |                         | Differential Pressure |               |                                       |                           |
|------------------|------------------------|-------------|----------------------------------|-------------------------|-----------------------|---------------|---------------------------------------|---------------------------|
|                  | Specified Range in PSI | Applied PSI | Indicated Static Pressure in PSI | Pass Fail +/- 0.052 PSI | Specified Range InH2O | Applied InH2O | Indicated Differential Pressure InH2O | Pass Fail +/- 0.012 InH2O |
| 0.00             | 14.70                  | 14.700      | 14.720                           | Pass                    | 0.00                  | 0.000         | 0.000                                 | Pass                      |
| 25.00            | 18.53                  | 18.525      | 18.530                           | Pass                    | 3.00                  | 3.000         | 2.990                                 | Pass                      |
| 50.00            | 22.35                  | 22.350      | 22.360                           | Pass                    | 6.00                  | 6.000         | 5.990                                 | Pass                      |
| 75.00            | 26.18                  | 26.175      | 26.180                           | Pass                    | 9.00                  | 9.000         | 8.990                                 | Pass                      |
| 100.00           | 30.00                  | 30.000      | 30.010                           | Pass                    | 12.00                 | 12.000        | 12.000                                | Pass                      |

| Target % Of Span | Temperature           |               |                              |                            | Analog Out         |              |                     |                        |
|------------------|-----------------------|---------------|------------------------------|----------------------------|--------------------|--------------|---------------------|------------------------|
|                  | Specified Range Deg F | Applied Deg F | Indicated Digital Temp Deg F | Pass Fail +/- 0.6666 Deg F | Specified Range mA | Simulated mA | Indicated Output mA | Pass Fail +/- 0.016 mA |
| 0.00             | 0.00                  | 0.00          | -0.070                       | Pass                       | 4.0000             | 4.0000       | 3.9990              | Pass                   |
| 25.00            | 37.50                 | 37.50         | 37.450                       | Pass                       | 8.0000             | 8.0000       | 8.0000              | Pass                   |
| 50.00            | 75.00                 | 75.00         | 74.970                       | Pass                       | 12.0000            | 12.0000      | 12.0000             | Pass                   |
| 75.00            | 112.50                | 112.50        | 112.510                      | Pass                       | 16.0000            | 16.0000      | 16.0000             | Pass                   |
| 100.00           | 150.00                | 150.00        | 150.060                      | Pass                       | 20.0000            | 20.0000      | 20.0000             | Pass                   |

**Certification**

This is to validate that the listed product performs within the acceptable performance variation of the test equipment. Measuring and test equipment used in the inspection and validation of the listed product are traceable to the National Institute of Standards and Technology.

*David James*

David James  
 Rosemount Service Representative  
 PH: 209-597-0378

June 14, 2023

Date

June 14, 2023

### CALIBRATION DATA SHEET

Consistent with ISO 10474 2.1 or EN 10204 2.1

#### Contact Information

|                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                        |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Purchase Order:</b> 0<br><b>Customer Name:</b> Telstar Instruments<br><b>Location/Project:</b> Mountain View/18 1 SMI Utility<br><b>Address 1:</b> 231 Whisman Road<br><b>Address 2:</b> Mountain View Ca 94043<br><b>Customer Contact:</b> Tyrone Brown<br><b>Phone:</b> 510-693-8043<br><b>Email:</b> tbrown@telstarinc.com | <b>Service Request:</b> 0<br><b>Quote#:</b> 0<br><b>Sales Representative:</b> 0<br><b>Phone:</b><br><b>Email:</b><br><b>Service Representative:</b> David James<br><b>Phone:</b> 209-597-0378<br><b>Email:</b> David.James@Emerson.com |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

#### Device Information

|                                                                                                                                     |
|-------------------------------------------------------------------------------------------------------------------------------------|
| <b>Device Type:</b> Multivariable<br><b>Device Tag:</b> FL-180A<br><b>Model:</b> 3095MA13AA11AA110ABC2Q4<br><b>Serial #:</b> 296459 |
|-------------------------------------------------------------------------------------------------------------------------------------|

#### Calibration Range Data

|                                                                                                                                                                                     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Static Pressure Range:</b> 14.7 To 30 PSI<br><b>Differential Pressure Range:</b> 0 To 16 InH2O<br><b>Temperature Range:</b> 0 To 150 F<br><b>Analog Output Range:</b> 4 To 20 mA |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

#### Test Equipment Used

| Asset #  | Description                              | Calibration Due |
|----------|------------------------------------------|-----------------|
| ES-01491 | Fluke 754 Documenting Process Calibrator | 28-Mar-24       |
| PS-01356 | Fluke 750PA5 0-30 PSIA Pressure Module   | 28-Mar-24       |
| PS-01406 | Fluke 750P02 0-1 PSIG Pressure Module    | 28-Mar-24       |
| 0        | 0                                        | 0-Jan-00        |

#### As Found Calibration Data

| Target % Of Span | Static Pressure        |             |                                  |                           | Differential Pressure |               |                                       |                           |
|------------------|------------------------|-------------|----------------------------------|---------------------------|-----------------------|---------------|---------------------------------------|---------------------------|
|                  | Specified Range in PSI | Applied PSI | Indicated Static Pressure in PSI | Pass Fail +/- 0.06459 PSI | Specified Range InH2O | Applied InH2O | Indicated Differential Pressure InH2O | Pass Fail +/- 0.016 InH2O |
| 0.00             | 14.70                  | 14.700      | 14.710                           | Pass                      | 0.00                  | 0.000         | 0.006                                 | Pass                      |
| 25.00            | 18.53                  | 18.525      | 18.540                           | Pass                      | 4.00                  | 4.000         | 4.010                                 | Pass                      |
| 50.00            | 22.35                  | 22.350      | 22.360                           | Pass                      | 8.00                  | 8.000         | 8.010                                 | Pass                      |
| 75.00            | 26.18                  | 26.175      | 26.200                           | Pass                      | 12.00                 | 12.000        | 12.010                                | Pass                      |
| 100.00           | 30.00                  | 30.000      | 30.020                           | Pass                      | 16.00                 | 16.000        | 16.010                                | Pass                      |

| Target % Of Span | Temperature           |               |                              |                           | Analog Out         |              |                     |                        |
|------------------|-----------------------|---------------|------------------------------|---------------------------|--------------------|--------------|---------------------|------------------------|
|                  | Specified Range Deg F | Applied Deg F | Indicated Digital Temp Deg F | Pass Fail +/- 1.008 Deg F | Specified Range mA | Simulated mA | Indicated Output mA | Pass Fail +/- 0.016 mA |
| 0.00             | 0.00                  | 0.00          | -0.350                       | Pass                      | 4.0000             | 4.0000       | 4.0010              | Pass                   |
| 25.00            | 37.50                 | 37.50         | 37.110                       | Pass                      | 8.0000             | 8.0000       | 8.0010              | Pass                   |
| 50.00            | 75.00                 | 75.00         | 74.590                       | Pass                      | 12.0000            | 12.0000      | 12.0020             | Pass                   |
| 75.00            | 112.50                | 112.50        | 112.100                      | Pass                      | 16.0000            | 16.0000      | 16.0030             | Pass                   |
| 100.00           | 150.00                | 150.00        | 149.630                      | Pass                      | 20.0000            | 20.0000      | 20.0040             | Pass                   |

#### As Left Calibration Data

| Target % Of Span | Static Pressure        |             |                                  |                           | Differential Pressure |               |                                       |                           |
|------------------|------------------------|-------------|----------------------------------|---------------------------|-----------------------|---------------|---------------------------------------|---------------------------|
|                  | Specified Range in PSI | Applied PSI | Indicated Static Pressure in PSI | Pass Fail +/- 0.06459 PSI | Specified Range InH2O | Applied InH2O | Indicated Differential Pressure InH2O | Pass Fail +/- 0.016 InH2O |
| 0.00             | 14.70                  | 14.700      | 14.710                           | Pass                      | 0.00                  | 0.000         | 0.006                                 | Pass                      |
| 25.00            | 18.53                  | 18.525      | 18.540                           | Pass                      | 4.00                  | 4.000         | 4.010                                 | Pass                      |
| 50.00            | 22.35                  | 22.350      | 22.360                           | Pass                      | 8.00                  | 8.000         | 8.010                                 | Pass                      |
| 75.00            | 26.18                  | 26.175      | 26.200                           | Pass                      | 12.00                 | 12.000        | 12.010                                | Pass                      |
| 100.00           | 30.00                  | 30.000      | 30.020                           | Pass                      | 16.00                 | 16.000        | 16.010                                | Pass                      |

| Target % Of Span | Temperature           |               |                              |                           | Analog Out         |              |                     |                        |
|------------------|-----------------------|---------------|------------------------------|---------------------------|--------------------|--------------|---------------------|------------------------|
|                  | Specified Range Deg F | Applied Deg F | Indicated Digital Temp Deg F | Pass Fail +/- 1.008 Deg F | Specified Range mA | Simulated mA | Indicated Output mA | Pass Fail +/- 0.016 mA |
| 0.00             | 0.00                  | 0.00          | -0.350                       | Pass                      | 4.0000             | 4.0000       | 4.0010              | Pass                   |
| 25.00            | 37.50                 | 37.50         | 37.110                       | Pass                      | 8.0000             | 8.0000       | 8.0000              | Pass                   |
| 50.00            | 75.00                 | 75.00         | 74.590                       | Pass                      | 12.0000            | 12.0000      | 12.0000             | Pass                   |
| 75.00            | 112.50                | 112.50        | 112.100                      | Pass                      | 16.0000            | 16.0000      | 16.0000             | Pass                   |
| 100.00           | 150.00                | 150.00        | 149.630                      | Pass                      | 20.0000            | 20.0000      | 19.9990             | Pass                   |

#### Certification

This is to validate that the listed product performs within the acceptable performance variation of the test equipment. Measuring and test equipment used in the inspection and validation of the listed product are traceable to the National Institute of Standards and Technology.

*David James*

David James  
 Rosemount Service Representative  
 PH: 209-597-0378

June 14, 2023

Date

June 14, 2023

**CALIBRATION DATA SHEET**

Consistent with ISO 10474 2.1 or EN 10204 2.1

**Contact Information**

|                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                        |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Purchase Order:</b> 0<br><b>Customer Name:</b> Telstar Instruments<br><b>Location/Project:</b> Mountain View/18 1 SMI Utility<br><b>Address 1:</b> 231 Whisman Road<br><b>Address 2:</b> Mountain View Ca 94043<br><b>Customer Contact:</b> Tyrone Brown<br><b>Phone:</b> 510-693-8043<br><b>Email:</b> tbrown@telstarinc.com | <b>Service Request:</b> 0<br><b>Quote#:</b> 0<br><b>Sales Representative:</b> 0<br><b>Phone:</b><br><b>Email:</b><br><b>Service Representative:</b> David James<br><b>Phone:</b> 209-597-0378<br><b>Email:</b> David.James@Emerson.com |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

**Device Information**

|                                                                                                                                     |
|-------------------------------------------------------------------------------------------------------------------------------------|
| <b>Device Type:</b> Multivariable<br><b>Device Tag:</b> FL-10A<br><b>Model:</b> 3095MA13AAA11AA110ABC2Q4<br><b>Serial #:</b> 296498 |
|-------------------------------------------------------------------------------------------------------------------------------------|

**Calibration Range Data**

|                                                                                                                                                                                     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Static Pressure Range:</b> 14.7 To 30 PSI<br><b>Differential Pressure Range:</b> 0 To 25 InH2O<br><b>Temperature Range:</b> 0 To 150 F<br><b>Analog Output Range:</b> 4 To 20 mA |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

**Test Equipment Used**

| Asset #  | Description                              | Calibration Due |
|----------|------------------------------------------|-----------------|
| ES-01491 | Fluke 754 Documenting Process Calibrator | 28-Mar-24       |
| PS-01356 | Fluke 750PA5 0-30 PSIA Pressure Module   | 28-Mar-24       |
| PS-01406 | Fluke 750P02 0-1 PSIG Pressure Module    | 28-Mar-24       |
| 0        | 0                                        | 0-Jan-00        |

**As Found Calibration Data**

| Target % Of Span | Static Pressure        |             |                                  |                           | Differential Pressure |               |                                       |                           |
|------------------|------------------------|-------------|----------------------------------|---------------------------|-----------------------|---------------|---------------------------------------|---------------------------|
|                  | Specified Range in PSI | Applied PSI | Indicated Static Pressure in PSI | Pass Fail +/- 0.06459 PSI | Specified Range InH2O | Applied InH2O | Indicated Differential Pressure InH2O | Pass Fail +/- 0.025 InH2O |
| 0.00             | 14.70                  | 14.700      | 14.680                           | Pass                      | 0.00                  | 0.000         | 0.004                                 | Pass                      |
| 25.00            | 18.53                  | 18.525      | 18.500                           | Pass                      | 6.25                  | 6.250         | 6.270                                 | Pass                      |
| 50.00            | 22.35                  | 22.350      | 22.330                           | Pass                      | 12.50                 | 12.500        | 12.530                                | Fail                      |
| 75.00            | 26.18                  | 26.175      | 26.160                           | Pass                      | 18.75                 | 18.750        | 18.780                                | Fail                      |
| 100.00           | 30.00                  | 30.000      | 29.990                           | Pass                      | 25.00                 | 25.000        | 25.040                                | Fail                      |

| Target % Of Span | Temperature           |               |                              |                           | Analog Out         |              |                     |                        |
|------------------|-----------------------|---------------|------------------------------|---------------------------|--------------------|--------------|---------------------|------------------------|
|                  | Specified Range Deg F | Applied Deg F | Indicated Digital Temp Deg F | Pass Fail +/- 1.008 Deg F | Specified Range mA | Simulated mA | Indicated Output mA | Pass Fail +/- 0.016 mA |
| 0.00             | 0.00                  | 0.00          | 0.110                        | Pass                      | 4.0000             | 4.0000       | 4.0030              | Pass                   |
| 25.00            | 37.50                 | 37.50         | 37.560                       | Pass                      | 8.0000             | 8.0000       | 8.0030              | Pass                   |
| 50.00            | 75.00                 | 75.00         | 75.040                       | Pass                      | 12.0000            | 12.0000      | 12.0050             | Pass                   |
| 75.00            | 112.50                | 112.50        | 112.560                      | Pass                      | 16.0000            | 16.0000      | 16.0050             | Pass                   |
| 100.00           | 150.00                | 150.00        | 150.090                      | Pass                      | 20.0000            | 20.0000      | 20.0060             | Pass                   |

**As Left Calibration Data**

| Target % Of Span | Static Pressure        |             |                                  |                           | Differential Pressure |               |                                       |                           |
|------------------|------------------------|-------------|----------------------------------|---------------------------|-----------------------|---------------|---------------------------------------|---------------------------|
|                  | Specified Range in PSI | Applied PSI | Indicated Static Pressure in PSI | Pass Fail +/- 0.06459 PSI | Specified Range InH2O | Applied InH2O | Indicated Differential Pressure InH2O | Pass Fail +/- 0.025 InH2O |
| 0.00             | 14.70                  | 14.700      | 14.680                           | Pass                      | 0.00                  | 0.000         | 0.000                                 | Pass                      |
| 25.00            | 18.53                  | 18.525      | 18.500                           | Pass                      | 6.25                  | 6.250         | 6.250                                 | Pass                      |
| 50.00            | 22.35                  | 22.350      | 22.330                           | Pass                      | 12.50                 | 12.500        | 12.500                                | Pass                      |
| 75.00            | 26.18                  | 26.175      | 26.160                           | Pass                      | 18.75                 | 18.750        | 18.750                                | Pass                      |
| 100.00           | 30.00                  | 30.000      | 29.990                           | Pass                      | 25.00                 | 25.000        | 25.000                                | Pass                      |

| Target % Of Span | Temperature           |               |                              |                           | Analog Out         |              |                     |                        |
|------------------|-----------------------|---------------|------------------------------|---------------------------|--------------------|--------------|---------------------|------------------------|
|                  | Specified Range Deg F | Applied Deg F | Indicated Digital Temp Deg F | Pass Fail +/- 1.008 Deg F | Specified Range mA | Simulated mA | Indicated Output mA | Pass Fail +/- 0.016 mA |
| 0.00             | 0.00                  | 0.00          | 0.110                        | Pass                      | 4.0000             | 4.0000       | 4.0010              | Pass                   |
| 25.00            | 37.50                 | 37.50         | 37.560                       | Pass                      | 8.0000             | 8.0000       | 8.0010              | Pass                   |
| 50.00            | 75.00                 | 75.00         | 75.040                       | Pass                      | 12.0000            | 12.0000      | 12.0000             | Pass                   |
| 75.00            | 112.50                | 112.50        | 112.560                      | Pass                      | 16.0000            | 16.0000      | 16.0000             | Pass                   |
| 100.00           | 150.00                | 150.00        | 150.090                      | Pass                      | 20.0000            | 20.0000      | 20.0000             | Pass                   |

**Certification**

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