



CITY OF MOUNTAIN VIEW

PUBLIC WORKS DEPARTMENT • PUBLIC SERVICES DIVISION
231 North Whisman Road • Post Office Box 7540 • Mountain View • California • 94039-7540
650-903-6329 • Fax 650-962-8079

July 23, 2019

JUL 29 2019

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

TITLE V; START-UP, SHUTDOWN MALFUNCTION (SSM) 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; 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, 2019 through June 30, 2019 and primarily 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 AAAAA, 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 February 20 and 21, 2019. 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—Quarterly Landfill Gas Emission Monitoring. This section includes quarterly landfill surface emission monitoring and component checks performed by City staff. A Century OVA 108 portable organic vapor analyzer (OVA) was used to monitor emissions. The OVA was calibrated and tested prior to each use. The component leaks or surface emissions detected during quarterly monitoring 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 GEM 500 and GEM 2000 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. LFG wells permanently exempted for oxygen

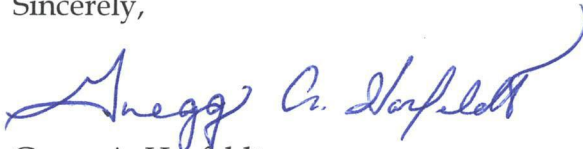
Mr. Jeffrey Gove
July 23, 2019
Page 3 of 3

content due to various site constraints are not included in this section. However, the oxygen concentrations measured at the main header during monthly monitoring of exempted wellheads are included and were below 5 percent at all times. Summary of field monitoring results and records are enclosed.

- 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 Nirmal Sajjan, Principal Civil Engineer, at 650-903-6284 or me at 650-903-6205.

Sincerely,



Gregg A. Hosfeldt
Assistant Public Works Director

GAH/NS/6/PSD
781-07-23-19L-1

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

cc: PWD, PCE—Arango, SLCM, PCE—Sajjan, AE—Sharma, F/c

TITLE V SEMINANNUAL REPORT

2019 – 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: 1/1/2019 – 6/30/2019

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:


Signature of Responsible Official

7-25-19
Date

Daniel H. Rich
Name of Responsible Official (please print)

City Manager
Title of Responsible Official (please print)

Mail to:

*Director of Compliance and Enforcement
BAAQMD
939 Ellis Street
San Francisco, CA 94109
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: 1/1/2019 – 6/30/2019

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 (1/1/2019 – 6/30/2019)
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
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 ³ (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 (1/1/2019 – 6/30/2019)
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
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 (1/1/2019 – 6/30/2019)
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	≤ 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% OR 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 ≤ 5% by volume, dry basis AND CH ₄ ≥ 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	≤ 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: ≤ 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	Continuous Yes	

CITY OF MOUNTAIN VIEW
Shoreline Landfill – Facility ID # A2740
TITLE V SEMI ANNUAL MONITORING REPORT (1/1/2019 – 6/30/2019)
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 ₂ , 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 2, 2015)	CT ≥ 1577 °F, averaged over any 3-hour period (applies to each flares)	Temperature Sensor and Recorder	C	Continuous Yes	
SO ₂	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 (1/1/2019 – 6/30/2019)
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 ₂	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 ₂ S (applies if SO ₂ testing is not conducted at flare exhaust)	Sulfur Analysis of Landfill Gas and Records	P/A	Continuous Yes	
NO _x	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 ₂ at 15% O ₂ , 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 ₂ , 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

<p style="text-align: center;">CITY OF MOUNTAIN VIEW Shoreline Landfill – Facility ID # A2740 TITLE V SEMI ANNUAL MONITORING REPORT (1/1/2019 – 6/30/2019) PERMITTED UNITS: S-11 AND S-14 DIESEL ENGINES FOR EMERGENCY STANDBY GENERATORS</p>							
Type of Limit	Monitoring Requirement Citation	Citation of Limit	Limit	Parameter Monitored	Monitoring Frequency * (P/C)	Compliance	Comments/Corrective Action Taken
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 (1/1/2019 – 6/30/2019)
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**

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

<p style="text-align: center;">CITY OF MOUNTAIN VIEW Shoreline Landfill – Facility ID # A2740 TITLE V SEMI ANNUAL MONITORING REPORT (1/1/2019 – 6/30/2019) PERMITTED UNITS: S-16 MICROTURBINE, AND S-17 MICROTURBINE</p>							
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 ₂ , 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 _x	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

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

C = Continuous Monitoring

SSM PLAN REPORT
2019 – 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, 2019

Period		Duration		
Total shutdown duration from January 1 - June 30, 2019		Hours: Minutes 7:37		
Date	Description * (January 1 - June 30, 2019) Maintenance, operation and repairs requiring Flare station Shutdown	Shutdown	Start up	Duration Hours: Minutes
1/16/2019		12:46 PM	12:53 PM	0:07
1/28/2019	Telstar calibrating flow meters	8:03 AM	10:38 AM	2:35
2/20/2019	Telstar calibrating flow meters	3:58 PM	4:09 PM	0:11
3/4/2019	Source Test	9:47 AM	10:03 AM	0:16
3/19/2019	Switched from blower #1 to #2	9:20 AM	10:04 AM	0:44
4/1/2019	Valve maintenance - WA-13	12:09 PM	12:28 PM	0:19
4/10/2019	Switched blowers from #2 to #3	10:32 AM	11:34 AM	1:02
4/10/2019	Low flow shutdown alarm, inspected and cleared alarm during backup generator operation	9:28 AM	9:32 AM	0:04
4/10/2019	Shutdown during backup power transfer to generator	9:45 AM	9:50 AM	0:05
5/1/2019	Shutdown during backup power transfer from generator	8:35 AM	8:44 AM	0:09
6/3/2016	Switched blowers from #1 to #2	6:31 AM	6:47 AM	0:16
6/5/2019	Switched blowers from #2 to #3	6:00 AM	7:02 AM	1:02
6/19/2019	Shutdown to clean shoreline sump	8:55 AM	9:12 AM	0:17
6/24/2019	Blower service by Dahl Beck and switch from #3 to #2	10:02 AM	10:12 AM	0:10
6/24/2019	Blower service and multiple switch	12:49 PM	1:01 PM	0:12
6/24/2019	Blower service and multiple switch	1:12 PM	1:20 PM	0:08

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

Date 1-16-2019
s m t w th f s

AM MONITORING

Name Jim Johnson
Arrival Time 6:06 AM Departure Time 6:20 AM
GEM# 6 Manometer yes no

PM MONITORING

Name Jim Johnson
Arrival Time 2:17 PM Departure Time 2:30 PM
GEM# 6 Manometer yes no

LFG to Flares

CH4 %	CO2 %	O2 %
46.2	32.3	2.4

LFG to Flares

CH4 %	CO2 %	O2 %
47.6	33.2	2.1

Flare Operation	Temp.	Vac.	SCFM
Flare #1	1616	4.06"	173
Flare #2			
Flare #3	1639	3.11"	507

Flare Operation	Temp.	Vac.	SCFM
Flare #1	1631	4.28"	147
Flare #2			
Flare #3	1625	3.27"	514

Blower Oper.	RPM	Hours
Blower #1		
Blower #2		
Blower #3	2150	20569

LFG at Inlets	6A NE	Vista	F9 / B9
Vacuum	-35.1"	-34.3"	-35.1"
SCFM	321	197	164

Back Up Generator Running yes no

Air Compressor Hours: 2443.2

Control Room Bypass yes no

Google SCFM: am: pm:

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 %	44.5	46.1	47.7
CO2 %	32.1	33.0	31.9
O2 %	2.4	1.5	2.6
Vacuum	-35.2"	-34.6"	-35.3"
SCFM	315	196	166
Temperature	59	59	60

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: 12:46 PM
Time of Start-Up: 12:53 PM
Duration of Shutdown/Malfunction:

Comments and/or Description of Malfunction and Affected Equipment:

6A NE 47.2 2.7
Vista 48.5 1.9
F9/B9 50.9 2.5 } PM

Reason for Shutdown/Malfunction: 07 minutes

Emission Exceedence: 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

SSM Plan Procedures Followed: yes no*

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

telstar on-site to calibrate flare inlet 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 Jim Johnson Date 1/16/19

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 1-28-2019
s (m) t w th f s

AM MONITORING

Name Jim Johnson

Arrival Time 7:30 AM Departure Time 11:00 AM

GEM# 6 Manometer yes / no

LFG to Flares

CH4 %	CO2 %	O2 %
<u>49.6</u>	<u>32.6</u>	<u>2.1</u>

Flare Operation	Temp.	Vac.	SCFM
Flare #1	<u>1633</u>	<u>4.09"</u>	<u>144</u>
Flare #2	 	 	
Flare #3	<u>1633</u>	<u>3.14"</u>	<u>503</u>

Blower Oper.	RPM	Hours
Blower #1	 	
Blower #2	 	
Blower #3	<u>2150</u>	<u>00858.5</u>

Air Compressor Hours: 2490.2

Google SCFM: am: 0 pm: 0

LFG at Inlets	6A NE	Vista	F9 / B9
CH4 %	<u>47.7</u>	<u>49.5</u>	<u>53.9</u>
CO2 %	<u>32.0</u>	<u>33.4</u>	<u>33.0</u>
O2 %	<u>2.5</u>	<u>1.4</u>	<u>2.5</u>
Vacuum	<u>-35.5"</u>	<u>-34.5"</u>	<u>-35.3"</u>
SCFM	<u>315</u>	<u>194</u>	<u>157</u>
Temperature	<u>58</u>	<u>59</u>	<u>59</u>

Time of Shutdown: 8:03 AM

Time of Start-Up: 10:38 AM

Duration of ~~Shutdown~~ Malfunction: 2 Hours 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

telstar on-site to calibrate inlet flow meter's & vacuum meters switched blower after restart.

Jim Johnson 1/28/2019
Signature Date

PM MONITORING

Name Jim Johnson

Arrival Time 1:18 PM Departure Time 1:45 PM

GEM# 6 Manometer yes / no

LFG to Flares

CH4 %	CO2 %	O2 %
<u>50.4</u>	<u>32.9</u>	<u>1.9</u>

Flare Operation	Temp.	Vac.	SCFM
Flare #1	<u>1621</u>	<u>34.08"</u>	<u>142</u>
Flare #2	 	 	
Flare #3	<u>1633</u>	<u>3.20"</u>	<u>503</u>

LFG at Inlets	6A NE	Vista	F9 / B9
Vacuum	<u>-34.2"</u>	<u>-33.0"</u>	<u>-33.8"</u>
SCFM	<u>316</u>	<u>199</u>	<u>160</u>

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:

6 A NE 48.8 2.2
Vista 49.8 1.2 / PM
F9/B9 55.0 2.3

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 2/20/19
s m t w th f s

AM MONITORING

Name Eimer Kulp
Arrival Time 6:13 A Departure Time 6:25 A
GEM# 6 Manometer yes no

PM MONITORING

Name Eimer Kulp
Arrival Time 3:17 Departure Time _____
GEM# 6 Manometer yes no

LFG to Flares

CH4 %	CO2 %	O2 %
49.9	33.3	1.5

LFG to Flares

CH4 %	CO2 %	O2 %
50.7	33.5	1.4

Flare Operation	Temp.	Vac.	SCFM
Flare #1	1623	3.56"	136
Flare #2	—	—	—
Flare #3	1615	2.82"	482

Flare Operation	Temp.	Vac.	SCFM
Flare #1	1857	1.44"	291
Flare #2	1624	1.89"	223
Flare #3	—	—	—

Blower Oper.	RPM	Hours
Blower #1	2150	7383.4
Blower #2	—	—
Blower #3	—	—

LFG at Inlets	6A NE	Vista	F9 / B9
Vacuum	26.9"	26.2"	26.7"
SCFM	283	169	96

Air Compressor Hours: 2578.0
Google SCFM: am: ⊕ 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 %	45.4	50.5	60.6
CO2 %	31.5	33.4	35.5
O2 %	2.2	1.2	1.2
Vacuum	35.7"	34.6"	35.5"
SCFM	337	197	122
Temperature	57	57	57

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: BEST ENV.

ANNUAL SOURCE TESTING

Time of Shutdown: 3:58 PM
Time of Start-Up: 4:09 PM
Duration of Shutdown/Malfunction: 11 mins

6A	42.9	32.2	1.9
VISTA	47.1	33.8	1.2
G/C	35.8	36.0	1.1

Reason for Shutdown/Malfunction: SOURCE TEST

Emission Exceedence: 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

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] 2/20/19
Signature Date

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

Date 3/4/19
s 0 m t w th f s

AM MONITORING

Name Zimmer Kulp
Arrival Time 6:04 A Departure Time 6:15 A
GEM# 6 Manometer yes no

LFG to Flares

CH4 %	CO2 %	O2 %
47.0	32.8	2.0

Flare Operation	Temp.	Vac.	SCFM
Flare #1	1622	3.90"	142
Flare #2	—	—	—
Flare #3	1611	3.04"	499

Blower Oper.	RPM	Hours
Blower #1	2150	7671.1
Blower #2	—	—
Blower #3	—	—

Air Compressor Hours: 2622.7
Google SCFM: am: 0 pm: 0

LFG at Inlets	6A NE	Vista	F9 / B9
CH4 %	42.3	47.6	54.3
CO2 %	30.6	33.5	34.3
O2 %	2.5	1.4	2.2
Vacuum	-35.3	-34.3	-35.0
SCFM	352	183	143
Temperature	58	58	58

Time of Shutdown: 9:47 AM
Time of Start-Up: 10:03 AM
Duration of Shutdown/Malfunction: 16 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 Blowers From #1 to #2

Signature [Signature] Date 3/4/19

PM MONITORING

Name Zimmer Kulp
Arrival Time 1:11 P Departure Time 1:20 P
GEM# 6 Manometer yes / no

LFG to Flares

CH4 %	CO2 %	O2 %
46.1	32.1	2.0

Flare Operation	Temp.	Vac.	SCFM
Flare #1	1626	4.01"	142
Flare #2	—	—	—
Flare #3	1632	3.22"	506

LFG at Inlets	6A NE	Vista	F9 / B9
Vacuum	-35.1	-34.1	-34.7
SCFM	349	186	144

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:

6A	42.2	30.6	2.4
Vista	47.4	33.3	1.4
G/C	54.0	34.1	2.2

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 3/19/19
s m (t) w th f s

AM MONITORING

Name Elmer Kulp
Arrival Time 5:56 A Departure Time 6:12 A
GEM# 6 Manometer (yes) no

LFG to Flares

CH4 %	CO2 %	O2 %
<u>48.5</u>	<u>32.3</u>	<u>2.1</u>

Flare Operation	Temp.	Vac.	SCFM
Flare #1	<u>1627</u>	<u>3.68"</u>	<u>137</u>
Flare #2	<u>/</u>	<u>/</u>	<u>/</u>
Flare #3	<u>1619</u>	<u>3.01"</u>	<u>494</u>

Blower Oper.	RPM	Hours
Blower #1	<u>/</u>	<u>/</u>
Blower #2	<u>2150</u>	<u>53434.9</u>
Blower #3	<u>/</u>	<u>/</u>

Air Compressor Hours: 2674.9
Google SCFM: am: 0 pm: 0

LFG at Inlets	6A NE	Vista	F9 / B9
CH4 %	<u>40.9</u>	<u>48.3</u>	<u>55.8</u>
CO2 %	<u>30.0</u>	<u>33.3</u>	<u>35.3</u>
O2 %	<u>2.8</u>	<u>1.7</u>	<u>1.7</u>
Vacuum	<u>-35.2</u>	<u>-34.4</u>	<u>-35.0</u>
SCFM	<u>351</u>	<u>175</u>	<u>132</u>
Temperature	<u>59</u>	<u>59</u>	<u>59</u>

Time of Shutdown: 9:25 AM
Time of Start-Up: 10:04 AM
Duration of Shutdown/Malfunction: 4 mins

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

Valve Maintenance
WA-13

[Signature] 3/19/19
Signature Date

PM MONITORING

Name Elmer Kulp
Arrival Time 2:01 P Departure Time 2:26 P
GEM# 6 Manometer (yes) / no

LFG to Flares

CH4 %	CO2 %	O2 %
<u>47.8</u>	<u>31.2</u>	<u>2.8</u>

Flare Operation	Temp.	Vac.	SCFM
Flare #1	<u>1630</u>	<u>3.82"</u>	<u>138</u>
Flare #2	<u>/</u>	<u>/</u>	<u>/</u>
Flare #3	<u>1635</u>	<u>3.11"</u>	<u>494</u>

LFG at Inlets	6A NE	Vista	F9 / B9
Vacuum	<u>-34.1"</u>	<u>-33.1"</u>	<u>-33.8"</u>
SCFM	<u>366</u>	<u>175</u>	<u>114</u>

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:

<u>6A</u>	<u>40.1</u>	<u>29.8</u>	<u>2.6</u>
<u>VISTA</u>	<u>48.5</u>	<u>33.6</u>	<u>1.6</u>
<u>B/C</u>	<u>50.0</u>	<u>31.8</u>	<u>3.7</u>

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 4/1/19
s m t w th f s

AM MONITORING

Name Elmer Kulp
Arrival Time 7:22 A Departure Time 8:15 M
GEM# 6 Manometer yes / no

LFG to Flares

CH4 %	CO2 %	O2 %
49.0	32.4	2.2

Flare Operation	Temp.	Vac.	SCFM
Flare #1	1631	3.40"	132
Flare #2	—	—	—
Flare #3	1633	2.83"	482

Blower Oper.	RPM	Hours
Blower #1	—	—
Blower #2	2150	53747.8
Blower #3	—	—

Air Compressor Hours: 2725.2

Google SCFM: am: 0 pm: 0

LFG at Inlets	6A NE	Vista	F9 / B9
CH4 %	42.6	49.5	54.1
CO2 %	30.8	33.8	33.4
O2 %	2.6	1.4	2.5
Vacuum	-35.9"	-35.0"	-35.7"
SCFM	352	174	92
Temperature	60	60	55

Time of Shutdown: 12:09 AM

Time of Start-Up: 12:28

Duration of Shutdown/Malfunction: 19 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 Blower From #2 to #3

Signature [Signature] Date 4/1/19

PM MONITORING

Name Elmer Kulp
Arrival Time 2:35 P Departure Time 2:43 P
GEM# 6 Manometer yes / no

LFG to Flares

CH4 %	CO2 %	O2 %
49.4	32.2	2.3

Flare Operation	Temp.	Vac.	SCFM
Flare #1	1620	3.68"	134
Flare #2	—	—	—
Flare #3	1617	2.99"	490

LFG at Inlets	6A NE	Vista	F9 / B9
Vacuum	-35.4"	-34.4"	-35.1"
SCFM	350	174	102

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:

6A	42.6	30.9	2.6
Vista	49.1	33.5	1.6
B/C	52.8	32.8	2.8

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 4/10/19
s m t w th f s

AM MONITORING

Name Zimmer Kulp
Arrival Time 6:26 AM Departure Time 6:50 AM
GEM# 6 Manometer yes / no

LFG to Flares

CH4 %	CO2 %	O2 %
44.3	30.6	3.3

Flare Operation	Temp.	Vac.	SCFM
Flare #1	1633	4.57"	153
Flare #2	/	/	/
Flare #3	1621	3.90"	571

Blower Oper.	RPM	Hours
Blower #1	/	/
Blower #2	/	/
Blower #3	2150	21068.9

Air Compressor Hours: 2759.4
Google SCFM: am: 0 pm: 0

LFG at Inlets	6A NE	Vista	F9 / B9
CH4 %	40.7	46.7	45.7
CO2 %	29.9	32.5	29.4
O2 %	3.1	2.2	4.7
Vacuum	-34.5"	-33.9"	-34.5"
SCFM	334	174	181
Temperature	62	61	61

Time of Shutdown: 10:32 AM
Time of Start-Up: 11:34 AM
Duration of Shutdown/Malfunction: 1 hr 2 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

Flare station shutdown due to low flow alarm. Responded

[Signature] 4/10/19
Signature Date

PM MONITORING

Name Zimmer Kulp
Arrival Time 1:37 PM Departure Time 1:50 PM
GEM# 6 Manometer yes / no

LFG to Flares

CH4 %	CO2 %	O2 %
44.6	30.7	3.1

Flare Operation	Temp.	Vac.	SCFM
Flare #1	1615	4.69"	153
Flare #2	/	/	/
Flare #3	1608	4.18"	576

LFG at Inlets	6A NE	Vista	F9 / B9
Vacuum	-34.9"	-32.2"	-32.7"
SCFM	337	170	180

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: to the site

backup power generator was running due to planned power shutdown. Cleared the low

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

Flow Alarm And restarted the system
After inspection

AFTERNOON Readings Continued

6ANE	40.8	29.9	3.0
VISTA	46.6	32.5	2.3
B/C	45.6	29.6	4.6

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

Date April 10th 2019
s m t w th f s

AM MONITORING

Name Jason R. Beam
Arrival Time 11:15 pm Departure Time 11:45 pm
GEM# 6 Manometer yes no

LFG to Flares

CH4 %	CO2 %	O2 %
46.3	30.6	3.1

Flare Operation	Temp.	Vac.	SCFM
Flare #1	1627	4.44"	153
Flare #2	/	/	/
Flare #3	1620	3.89"	574

Blower Oper.	RPM	Hours
Blower #1	2150	7686.7
Blower #2	/	/
Blower #3	/	/

Air Compressor Hours: 2762.5
Google SCFM: am: 0 pm: 0

LFG at Inlets	6A NE	Vista	F9 / B9
CH4 %	40.4	46.8	45.4
CO2 %	30.1	32.2	29.3
O2 %	2.0	1.8	4.5
Vacuum	-33.7"	-32.7"	-33.4"
SCFM	326	174	184
Temperature	62	62	62

Time of Shutdown: 9:28 pm 9:45 pm
Time of Start-Up: 9:32 pm 9:50 pm
Duration of Shutdown/Malfunction: 4 min 5 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

Scheduled PGR Shutdown

Signature Jason R. Beam Date 4/10/19

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 During Power Transfer. yes / no *dm*

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:

the shutdown on startup was for the power transfer duration from emergency backup generator

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 5/1/19
s m t w th f s

AM MONITORING

Name Elmer Kulp
Arrival Time 7:15 A Departure Time 8:45 A
GEM# 6 Manometer yes no

PM MONITORING

Name Elmer Kulp
Arrival Time 2:51 P Departure Time 3:00 P
GEM# 6 Manometer yes / no

LFG to Flares

CH4 %	CO2 %	O2 %	
45.2	31.5	2.9	<u>Ⓢ</u> MIX

LFG to Flares

CH4 %	CO2 %	O2 %	
44.8	31.1	2.9	<u>Ⓢ</u> MIX

Flare Operation	Temp.	Vac.	SCFM
Flare #1	1632	4.48"	151
Flare #2	—	—	—
Flare #3	1628	3.47"	530

Flare Operation	Temp.	Vac.	SCFM
Flare #1	1634	3.84"	137
Flare #2	—	—	—
Flare #3	1619	2.79"	470

Blower Oper.	RPM	Hours
Blower #1	2150	874.7
Blower #2	—	—
Blower #3	—	—

LFG at Inlets	6A NE	Vista	F9 / B9
Vacuum	-32.7"	-31.8"	-32.3"
SCFM	341	166	177

Air Compressor Hours: 2852.2
Google SCFM: am: Ⓢ pm: Ⓢ

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 %	41.2	49.2	49.0
CO2 %	30.3	33.6	31.3
O2 %	2.9	1.7	4.0
Vacuum	-33.2"	-32.2"	-32.8"
SCFM	343	170	180
Temperature	65	66	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: 8:35 AM
Time of Start-Up: 8:44 AM
Duration of Shutdown/Malfunction: 9 mins

Comments and/or Description of Malfunction and Affected Equipment:

<u>6A</u>	<u>41.3</u>	<u>30.4</u>	<u>2.7</u>
<u>Vista</u>	<u>49.6</u>	<u>33.7</u>	<u>1.5</u>
<u>G/C</u>	<u>49.1</u>	<u>31.2</u>	<u>3.8</u>

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:

Blower CHange 1 to 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 5/1/19

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

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

Date 6-3-19
s (m) t w th f s

AM MONITORING

Name PAUL BANDA
Arrival Time 6:12 AM Departure Time 6:49 AM
GEM# 6 Manometer yes no

LFG to Flares

CH4 %	CO2 %	O2 %
42.3	30.8	2.6

Flare Operation	Temp.	Vac.	SCFM
Flare #1	1636	4.03"	143
Flare #2	—	—	—
Flare #3	1621	4.32"	589

Blower Oper.	RPM	Hours
Blower #1	—	—
Blower #2	2150	54542.0
Blower #3	—	—

Air Compressor Hours: 2999.2
Google SCFM: am: ∅ pm: ∅

LFG at Inlets	6A NE	Vista	F9 / B9
CH4 %	35.1	48.0	43.8
CO2 %	28.8	33.9	29.9
O2 %	2.6	1.2	4.1
Vacuum	-33.0"	-31.9"	-32.4"
SCFM	364	165	150
Temperature	69	69	69

Time of Shutdown: 6:31 AM
Time of Start-Up: 6:47 AM
Duration of Shutdown/Malfunction: 16 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

SWITCH FROM BLOWER #2
TO BLOWER #3

Signature MMA Date 6-3-19

PM MONITORING

Name Elmer Kulp
Arrival Time 1:35 PM Departure Time 1:46 PM
GEM# 6 Manometer yes no

LFG to Flares

CH4 %	CO2 %	O2 %
38.0	28.5	3.5

Flare Operation	Temp.	Vac.	SCFM
Flare #1	1619	4.21"	143
Flare #2	—	—	—
Flare #3	1624	4.54"	592

LFG at Inlets	6A NE	Vista	F9 / B9
Vacuum	-32.1	-31.2	-31.7
SCFM	363	164	166

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:

6A	34.9	28.5	2.5
VISTA	47.8	33.7	1.1
G/L	36.8	24.3	6.9

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 6-5-19
s m t w th f s

AM MONITORING

Name RAUL BANDA
Arrival Time 5:50 AM Departure Time 6:01 AM
GEM# 6 Manometer yes no

LFG to Flares

CH4 %	CO2 %	O2 %
42.2	30.7	2.6

Flare Operation	Temp.	Vac.	SCFM
Flare #1	1628	4.08"	143
Flare #2	—	—	—
Flare #3	1626	3.62"	538

Blower Oper.	RPM	Hours
Blower #1	—	—
Blower #2	—	—
Blower #3	2150	2112.2

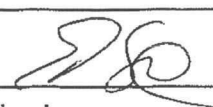
Air Compressor Hours: 3008.8
Google SCFM: am: ∅ pm: ∅

LFG at Inlets	6A NE	Vista	F9 / B9
CH4 %	34.9	48.0	43.9
CO2 %	28.5	33.8	29.9
O2 %	2.6	1.3	4.1
Vacuum	-32.9"	-33.1"	-32.8"
SCFM	363	167	159
Temperature	69	70	69

Time of Shutdown: 6:10 AM
Time of Start-Up: 7:02 AM
Duration of Shutdown/Malfunction: 1 hr 2 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

Clean Shoreline Sump

 6/5/19
 Signature Date

PM MONITORING

Name RAUL BANDA
Arrival Time 2:00 PM Departure Time 2:06 PM
GEM# 6 Manometer yes no

LFG to Flares

CH4 %	CO2 %	O2 %
42.2	30.5	2.6

Flare Operation	Temp.	Vac.	SCFM
Flare #1	1617	4.27"	143
Flare #2	—	—	—
Flare #3	1632	3.63"	526

LFG at Inlets	6A NE	Vista	F9 / B9
Vacuum	-32.0"	-30.9"	-31.6"
SCFM	363	164	163

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:
6A- 34.9 28.4 2.6
VISTA 47.7 33.5 1.2 } PM.
F9/B9 44.0 29.8 4.0

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 June 19th, 2019
s m t w th f s

AM MONITORING

PM MONITORING

Name Jason R. Bean

Name Jason R. Bean

Arrival Time 6:45 AM Departure Time 6:54 AM

Arrival Time 12:26 pm Departure Time 2:40 pm

GEM# 6 Manometer yes no

GEM# 6 Manometer yes no

LFG to Flares

CH4 %	CO2 %	O2 %
<u>43.0</u>	<u>31.3</u>	<u>2.4</u>

LFG to Flares

CH4 %	CO2 %	O2 %
<u>42.7</u>	<u>31.1</u>	<u>2.3</u>

Flare Operation	Temp.	Vac.	SCFM
Flare #1	<u>1616</u>	<u>4.00"</u>	<u>141</u>
Flare #2	/	/	/
Flare #3	<u>1614</u>	<u>3.79"</u>	<u>548</u>

Flare Operation	Temp.	Vac.	SCFM
Flare #1	<u>1625</u>	<u>3.89"</u>	<u>137</u>
Flare #2	/	/	/
Flare #3	<u>1617</u>	<u>3.80"</u>	<u>548</u>

Blower Oper.	RPM	Hours
Blower #1	/	/
Blower #2	/	/
Blower #3	<u>2150</u>	<u>2456.2</u>

LFG at Inlets	6A NE	Vista	F9 / B9
Vacuum	<u>-31.2"</u>	<u>-30.2"</u>	<u>-30.8"</u>
SCFM	<u>362</u>	<u>164</u>	<u>164</u>

Air Compressor Hours: 3075.8

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>35.6</u>	<u>48.2</u>	<u>45.2</u>
CO2 %	<u>29.3</u>	<u>33.9</u>	<u>30.8</u>
O2 %	<u>2.4</u>	<u>1.3</u>	<u>3.5</u>
Vacuum	<u>-32.5"</u>	<u>-31.5"</u>	<u>-32.0"</u>
SCFM	<u>362</u>	<u>168</u>	<u>164</u>
Temperature	<u>74</u>	<u>74</u>	<u>71</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: Pm Readings

<u>6ANE</u>	<u>36.0</u>	<u>29.3</u>	<u>2.3</u>
<u>VISTA</u>	<u>47.7</u>	<u>33.5</u>	<u>1.3</u>
<u>B-9</u>	<u>41.4</u>	<u>30.5</u>	<u>3.5</u>

Time of Shutdown: 8:55 AM

Emission Exceedence: yes* / no*

Time of Start-Up: 9:12 AM

Duration of ~~Shutdown~~ Malfunction: 17 min

SSM Plan Procedures Followed: yes / no*

Reason for ~~Shutdown~~ Malfunction:

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

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

Blower service by DINK-Beck electric Switch from #3 to #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)

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

Signature Jason R. Bean Date 6/19/19

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

Date 6/24/19
s (m) t w th f s

AM MONITORING

Name Zimer Kulp
Arrival Time 6:58 AM Departure Time 7:39 AM
GEM# 6 Manometer (yes) no

LFG to Flares

CH4 %	CO2 %	O2 %
<u>40.5</u>	<u>30.5</u>	<u>2.4</u>

Flare Operation	Temp.	Vac.	SCFM
Flare #1	<u>1626</u>	<u>3.32"</u>	<u>128</u>
Flare #2	<u>/</u>	<u>/</u>	<u>/</u>
Flare #3	<u>1625</u>	<u>3.65"</u>	<u>536</u>

Blower Oper.	RPM	Hours
Blower #1	<u>/</u>	<u>/</u>
Blower #2	<u>2150</u>	<u>54660.2</u>
Blower #3	<u>/</u>	<u>/</u>

Air Compressor Hours: 3097.8

Google SCFM: am: (no) pm: (no)

LFG at Inlets	6A NE	Vista	F9 / B9
CH4 %	<u>34.4</u>	<u>48.4</u>	<u>45.5</u>
CO2 %	<u>28.5</u>	<u>33.9</u>	<u>31.0</u>
O2 %	<u>2.4</u>	<u>1.2</u>	<u>3.3</u>
Vacuum	<u>-32.3"</u>	<u>-31.2"</u>	<u>-31.9"</u>
SCFM	<u>359</u>	<u>165</u>	<u>164</u>
Temperature	<u>75</u>	<u>75</u>	<u>72</u>

Time of Shutdown: 10:12 AM 12:49 PM 1:12 PM
Time of Start-Up: 10:12 AM 1:01 PM 1:20 PM
Duration of Shutdown/Malfunction: 10 min 12 min 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

Blower Service / multiple Swtch

Signature [Signature] Date 6/24/19

PM MONITORING

Name Zimer Kulp
Arrival Time 2:27 PM Departure Time 2:38 PM
GEM# 6 Manometer (yes) / no

LFG to Flares

CH4 %	CO2 %	O2 %
<u>40.6</u>	<u>30.3</u>	<u>2.4</u>

Flare Operation	Temp.	Vac.	SCFM
Flare #1	<u>1625</u>	<u>3.22"</u>	<u>125</u>
Flare #2	<u>/</u>	<u>/</u>	<u>/</u>
Flare #3	<u>1632</u>	<u>3.84"</u>	<u>542</u>

LFG at Inlets	6A NE	Vista	F9 / B9
Vacuum	<u>-31.4"</u>	<u>-30.3"</u>	<u>-30.9"</u>
SCFM	<u>349</u>	<u>171</u>	<u>164</u>

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:

<u>6A</u>	<u>34.8</u>	<u>28.5</u>	<u>2.4</u>
<u>VISTA</u>	<u>48.7</u>	<u>33.8</u>	<u>1.2</u>
<u>G/L</u>	<u>45.8</u>	<u>31.0</u>	<u>3.3</u>

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

CITY OF MOUNTAIN VIEW
 SHORELINE LANDFILL, FACILITY ID A2740
 LANDFILL GAS COLLECTION SYSTEM SHUTDOWN SUMMARY
 January 1 - June 30, 2019

Well ID	Reasons for Shutdown *	Date: Time		Shutdown Duration Hours: Minutes
		Shutdown	Start-up	
VG-01	Replace lateral, valve and testport	3/26/19 1:00 PM	3/26/19 2:30 PM	1:30
WA-13	Replace valve and testport assembly	4/8/19 1:00 PM	4/8/19 3:20 PM	2:20

- * 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?

X 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)

APR 04 2019

ENGR. & ENVIRONMENTAL
COMPLIANCE DIVISION

DATE:

Identified 3/25/19
Shutdown/Malfunction 3/26/19
Startup 3/24/19
Shutdown/Malfunction _____

TIME:

7:00 am / pm
1:00 am / pm
2:30 am / pm
_____ am / pm

LOCATION:

Well # VG-01
Grid # _____
Sump # _____

SITE:

_____ Back Nine
 X Vista
_____ Northshore
_____ Crittenden
_____ Cell 6A NE
_____ Front Nine
_____ Control Device

**AFFECTED EQUIPMENT
HEADER**

X Gas Line
_____ Air Line
_____ Condensate Line
_____ Valve Assembly

LATERAL

X Gas Line
_____ Air Line
_____ Condensate Line
 X Valve Assembly

SUMP/DRAIN

_____ Casing
_____ Pump
_____ Pump

DESCRIPTION/ PROCEDURE FOR THE REPAIR: Excavate from tie in at header to well. Install new valve and testport assembly. Backfill, compact and set boxes to grade.

Cause/Reason for Shutdown/Malfunction:

Belly in existing lateral

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

4/5/2019
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 4/1/19 **TIME:** 8:00 am/pm
~~Shutdown/Malfunction~~ 4/8/19 1:00 am/pm
 Startup 4/8/19 3:20 am/pm
 Shutdown/Malfunction _____ am/pm

LOCATION: Well # WA-13 **SITE:** Back Nine
 Grid # 17-CC Vista
 Sump # _____ 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

SUMP/DRAIN

_____ Casing
 _____ Pump
 _____ Pump

DESCRIPTION/ PROCEDURE FOR THE REPAIR: EXCAVATE AROUND VALVE AREA
Replace Valve & Testport Assembly, BACK FILL

Cause/Reason for ~~Shutdown~~ Malfunction: _____
Found Crack in
Valve body

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


 Signature

4/9/10
 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)