February 14, 2024

Ventura County Air Pollution Control District
4567 Telephone Road, 2nd Floor
Ventura, California 93003
805-303-4005

Mr. Matt Salazar
Air Enforcement Office
US EPA, Region IX
75 Hawthorne Street
San Francisco, CA 94105

RE: 40 CFR 63, Subpart AAAA Semi-Annual Report
Simi Valley Landfill and Recycling Center, Simi Valley, California
July – December 2023

To Whom it May Concern,

Pursuant to Title 40 Code of Federal Regulations 63.1981(h), Waste Management of California, Inc. is submitting the Semi-Annual Report for the Simi Valley Landfill and Recycling Center (SVLRC). This report covers the period from July 1, 2023 to December 31, 2023.

If you have any questions or comments regarding this document, please call Collin Pavelchik at (510) 714-6098 (cpavelch@wm.com).

I certify that I have knowledge of the facts herein set forth, that the same are true, accurate and complete to the best of my knowledge and belief, and that all information not identified by me as confidential in nature shall be treated by the Ventura County Air Pollution Control District as public record.

Sincerely,

Nicole Stetson
District Manager
Waste Management

cc Mr. Christian Colline, Waste Management
Ms. Miriam Cardenas, Waste Management
Ms. Paulamarie Young, Waste Management
Mr. Matthew Darr, Waste Management

FEBRUARY 2024

40 CFR 63, SUBPART AAAA SEMI-ANNUAL REPORT
JULY – DECEMBER 2023

SIMI VALLEY LANDFILL AND RECYCLING CENTER
Ventura, California

2801 Madera Road, Simi Valley, CA 93065
Facility No. 01395

EXECUTIVE SUMMARY

The Simi Valley Landfill and Recycling Center (SVLRC) is a municipal solid waste (MSW) landfill located in Ventura, California in Ventura County and is owned/operated by Waste Management of California, Inc. The facility is subject to the requirements of the United States Environmental Protection Agency's (USEPA) *Standards of Performance for Municipal Solid Waste Landfills*; 40 Code of Federal Regulations (CFR) Part 63, Subpart AAAA and as such is submitting this NESHAP AAAA Report.

On June 21, 2021, new requirements from 40 CFR 62.1115(b)(2) incorporated monitoring, recordkeeping, and reporting requirements for landfill gas temperatures at wellheads from sections of 40 CFR 62, Subpart OOO that were incorporated into the California State Plan 40 CFR 62 Subpart F. As of September 27, 2021, SVLRC began complying with 40 CFR 63, Subpart AAAA in lieu of the 40 CFR 62 Subpart OOO sections that were incorporated into the 40 CFR 62 Subpart F California State Plan.

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1.0 40 CFR 63.1981(h) SEMI-ANNUAL REPORT

SVLRC is submitting this Report because the existing MSW landfill owns and/or operates an active landfill gas collection and control system. The following summarizes the report requirements pursuant to §63.1981(h). This report covers from July 1, 2023 through December 31, 2023.

1.1 Exceedance of Applicable Parameters §63.1981(h)(1)

§63.1981(h)(1) Number of times that applicable parameters monitored under §63.1958(b), (c), and (d) were exceeded and when the gas collection and control system was not operating under §63.1958(e), including periods of SSM. For each instance, report the date, time, and duration of each exceedance.

(i) Where an owner or operator subject to the provisions of this subpart seeks to demonstrate compliance with the temperature and nitrogen or oxygen operational standards in introductory paragraph §63.1958(c), provide a statement of the wellhead operational standard for temperature and oxygen you are complying with for the period covered by the report. Indicate the number of times each of those parameters monitored under §63.1961(a)(3) were exceeded. For each instance, report the date, time, and duration of each exceedance.

(ii) Where an owner or operator subject to the provisions of this subpart seeks to demonstrate compliance with the operational standard for temperature in §63.1958(c)(1), provide a statement of the wellhead operational standard for temperature and oxygen you are complying with for the period covered by the report. Indicate the number of times each of those parameters monitored under §63.1961(a)(4) were exceeded. For each instance, report the date, time, and duration of each exceedance.

(iii) Beginning no later than September 27, 2021, number of times the parameters for the site-specific treatment system in §63.1961(g) were exceeded.

1.1.1 Wells Operating Under Positive Pressure §63.1958(b)

§63.1958(b) Operate the collection system with negative pressure at each wellhead except under the following conditions:

(1) A fire or increased well temperature. The owner or operator must record instances when positive pressure occurs in efforts to avoid a fire. These records must be submitted with the semi-annual reports as provided in §63.1981(h);

(2) Use of a geomembrane or synthetic cover. The owner or operator must develop acceptable pressure limits in the design plan;

(3) A decommissioned well. A well may experience a static positive pressure after shut down to accommodate for declining flows. All design changes must be approved by the Administrator as specified in §63.1981(d)(2);

SVLRC operated in compliance with all wellhead monitoring standards listed in §63.1958(b) during the reporting period. All instances of positive pressure were corrected within applicable Subpart AAAA timelines.

On a monthly basis operations and maintenance personnel measure the gauge pressure, temperature, and oxygen concentration at each well head. The gauge pressure taken at the wellhead is used in determining the presence of vacuum at the collector. Measurements are taken with a portable meter which is calibrated per the manufacturer's specifications.

Wells that were found to be operating at positive pressures are summarized in the following table.

Wells Operating Under Positive Pressure

Name	Initial Reading		Corrective Action Date	5-Day Corrective Action	Final Reading		Duration (days)
	Date	Value ("H_20)			Date	Value ("H_20)	
1789S	10/27/23	0.86	10/27/23	Inc. Flow/Vac	10/27/23	-23.36	<1
2100S	10/14/23	0.76	10/14/23	Inc. Flow/Vac	10/28/23	-2.51	14
2107A	12/8/23	0.09	12/8/23	Inc. Flow/Vac	12/8/23	-0.02	<1
2330A	7/8/23	0.3	7/8/23	Inc. Flow/Vac	7/11/23	-0.07	3
2330A	8/9/23	0.17	8/9/23	Inc. Flow/Vac	8/9/23	-0.08	<1
2330A	9/6/23	0.05	9/6/23	Inc. Flow/Vac	9/6/23	-0.03	<1
2330A	11/13/23	0.2	11/13/23	Inc. Flow/Vac	11/13/23	-0.11	<1
2331A	9/6/23	0.65	9/6/23	Inc. Flow/Vac	9/18/23	-0.01	12
2331A	10/12/23	0.02	10/12/23	Inc. Flow/Vac	10/12/23	-0.15	<1
2331A	11/13/23	0.45	11/13/23	Inc. Flow/Vac	11/13/23	-0.21	<1

Wells Operating Under Positive Pressure

Name	Initial Reading		Corrective Action Date	5-Day Corrective Action	Final Reading		Duration (days)
	Date	Value ("H_20)			Date	Value ("H_20)	
2332A	7/8/23	0.14	7/8/23	Inc. Flow/Vac	7/11/23	-0.13	3
2333A	7/8/23	0.17	7/8/23	Inc. Flow/Vac	7/11/23	-2.39	3
2334A	7/8/23	0.31	7/8/23	Inc. Flow/Vac	7/11/23	-0.09	3
2334A	11/13/23	0.16	11/13/23	Inc. Flow/Vac	11/13/23	-0.01	<1
2336A	7/8/23	0.25	7/8/23	Inc. Flow/Vac	7/8/23	-0.17	<1
2336A	7/11/23	0.03	7/11/23	Inc. Flow/Vac	7/11/23	-0.25	<1
2336A	11/13/23	0.56	11/13/23	Inc. Flow/Vac	11/13/23	-0.12	<1
2352S	11/3/23	1.39	11/3/23	Inc. Flow/Vac	11/3/23	-0.04	<1
2353A	11/7/23	0.07	11/7/23	Inc. Flow/Vac	11/7/23	-0.36	<1
808	9/19/23	0.11	9/19/23	Inc. Flow/Vac	9/19/23	-0.06	<1
1812	9/20/23	0.45	9/20/23	Inc. Flow/Vac	9/20/23	-28.95	<1
2065	10/14/23	0.28	10/14/23	Inc. Flow/Vac	10/14/23	-0.01	<1
2226	10/23/23	0.24	10/23/23	Inc. Flow/Vac	10/23/23	-0.41	<1
2341	7/7/23	0.77	7/7/23	Inc. Flow/Vac	7/7/23	-0.07	<1

1.1.2 Wells with Temperatures >145°F or HOV §63.1958(c)

*§*63.1958*(c) Operate each interior wellhead in the collection system as specified in 40 CFR 60.753(c), until the landfill owner or operator elects to meet the operational standard for temperature in paragraph (c)(1) of this section.*

(1) Beginning no later than September 27, 2021, operate each interior wellhead in the collection system with a landfill gas temperature less than 62.8 degrees Celsius (145 degrees Fahrenheit).

(2) The owner or operator may establish a higher operating temperature value at a particular well. A higher operating value demonstration must be submitted to the Administrator for approval and must include supporting data demonstrating that the elevated parameter neither causes fires nor significantly inhibits anaerobic decomposition by killing methanogens. The demonstration must satisfy both criteria in order to be approved (i.e., neither causing fires nor killing methanogens is acceptable).

The applicable standard for temperature and oxygen during this reporting period was §63.1958(c)(1), [62.8°C (145°F) or higher operating value (HOV), no oxygen limits]. SVLRC operated in compliance with all wellhead monitoring standards listed in §63.1958(c) during the reporting period. There were no instances of temperatures greater than 145°F (or HOV).

Each landfill gas collector is equipped with an access port allowing for measuring temperature at each wellhead. On a monthly basis operations and maintenance personnel measure the gauge pressure, temperature, and oxygen concentration at each well head. Measurements are taken with a portable meter which is calibrated per the manufacturer's specifications.

Wells with Landfill Gas Temperature Greater than 145°F or HOV

Name	Initial Reading		5-Day Corrective Action	Final Reading		Duration (days)
	Date	Temp (°F)		Date	Temp (°F)	
N/A						

A list of all current HOVs (greater than 145°F) is presented in the following table:

Wells with Temperature HOVs

Device	Date	HOV
SIM1778D	6/18/2021	150
SIMW1779	6/18/2021	150

Device	Date	HOV
SIMW1232	6/18/2021	150
SIMW1233	6/18/2021	150

*SVLRC also has seventy-two (72) existing HOVs for temperatures equal or greater than 131°F and equal or less than 145°F.

1.1.3 Surface Emissions Monitoring §63.1958(d)

§63.1958(d)(1) Operate the collection system so that the methane concentration is less than 500 parts per million (ppm) above background at the surface of the landfill. To determine if this level is exceeded, the owner or operator must conduct surface testing around the perimeter of the collection area and along a pattern that traverses the landfill at no more than 30-meter intervals and where visual observations indicate elevated concentrations of landfill gas, such as distressed vegetation and cracks or seeps in the cover. The owner or operator may establish an alternative traversing pattern that ensures equivalent coverage. A surface monitoring design plan must be developed that includes a topographical map with the monitoring route and the rationale for any site-specific deviations from the 30-meter intervals. Areas with steep slopes or other dangerous areas may be excluded from the surface testing.

(2) Beginning no later than September 27, 2021, the owner or operator must:

(i) Conduct surface testing using an organic vapor analyzer, flame ionization detector, or other portable monitor meeting the specifications provided in §63.1960(d).

(ii) Conduct surface testing at all cover penetrations. Thus, the owner or operator must monitor any cover penetrations that are within an area of the landfill where waste has been placed and a gas collection system is required.

(iii) Determine the latitude and longitude coordinates of each exceedance using an instrument with an accuracy of at least 4 meters. The coordinates must be in decimal degrees with at least five decimal places.

Surface emissions monitoring is discussed in Section 1.5.

1.1.4 Treatment System Monitoring §63.1981(h)(1)(iii)

§63.1981(h)(1) (iii) Beginning no later than September 27, 2021, number of times the parameters for the site-specific treatment system in §63.1961(g) were exceeded.

§63.1961(g) Each owner or operator seeking to demonstrate compliance with §63.1959(b)(2)(iii)(C) using a landfill gas treatment system must calibrate, maintain, and operate according to the manufacturer's specifications a device that records flow to the treatment system and bypass of the treatment system (if applicable). Beginning no later than September 27, 2021, each owner or operator must maintain and operate all monitoring systems associated with the treatment system in accordance with the site-specific treatment system monitoring plan required in §63.1983(b)(5)(ii). The owner or operator must:

(1) Install, calibrate, and maintain a gas flow rate measuring device that records the flow to the treatment system at least every 15 minutes; and

(2) Secure the bypass line valve in the closed position with a car-seal or a lock-and-key type configuration. A visual inspection of the seal or closure mechanism must be performed at least once every month to ensure that the valve is maintained in the closed position and that the gas flow is not diverted through the bypass line.

SVLRC does not operate a treatment system and therefore, is not subject to the requirements of §63.1981(h)(1)(iii).

1.2 Gas Stream Diversion §63.1981(h)(2)

§63.1981(h)(2) Description and duration of all periods when the gas stream was diverted from the control device or treatment system through a bypass line or the indication of bypass flow as specified under §63.1961.

The gas collection system is not designed nor equipped to bypass the control device(s); therefore §63.1981(h)(2) is not applicable.

1.3 Control or Treatment System Downtime Events §63.1981(h)(3)

§63.1981(h)(3) Description and duration of all periods when the control device or treatment system was not operating and length of time the control device or treatment system was not operating.

Control device and treatment system downtime events were recorded in compliance with §63.1981(h)(1) and (3) during the reporting period. The following tables summarize all the periods when the control devices and/or treatment system were not operating.

Enclosed Flare No. 3 Downtime Events

Shutdown	Startup	Duration (hours)	Reason
7/1/2023 3:15	7/1/2023 7:10	3.92	CAB 220 Failure
7/13/2023 17:08	7/14/2023 9:45	16.62	Flare 3 Cleaning
8/17/2023 0:40	8/17/2023 7:05	6.42	Blower 103 Failure/ Low Flow
9/14/2023 7:45	9/14/2023 16:45	9.00	Manual Shut Down / Blower Repairs
10/6/2023 1:05	10/6/2023 14:55	13.83	High Burner Temp
10/12/2023 23:20	10/13/2023 7:01	7.68	Manual shutdown for maintenance

Enclosed Flare No. 3 Downtime Events

Shutdown	Startup	Duration (hours)	Reason
10/17/2023 7:54	10/17/2023 12:54	5.00	Clean Out Sumps
11/15/2023 13:05	11/16/2023 11:01	21.93	Igniter failure
12/2/2023 6:15	12/4/2023 13:15	55.00	Burner damaged
12/9/2023 6:55	12/11/2023 7:52	48.95	Power Outage

Enclosed Flare No. 4 Downtime Events

Shutdown	Startup	Duration (hours)	Reason
7/1/2023 2:50	7/1/2023 8:05	5.25	CAB 220 Failure
7/13/2023 17:08	7/13/2023 22:08	5.00	Flare 3 Cleaning
7/14/2023 20:05	7/15/2023 6:34	10.48	Igniter malfunction/thermocouple failure
8/17/2023 0:40	8/17/2023 7:05	6.42	BL 103 Failure / Low Flow
9/14/2023 7:45	9/14/2023 16:45	**9.00**	Manual Shut Down / Blower Repairs
9/28/2023 23:41	9/29/2023 7:53	8.20	CAB Filters Cleaning
10/8/2023 15:40	10/9/2023 6:55	15.25	CAB Filters Cleaning
10/12/2023 23:20	10/13/2023 7:01	7.68	Manual shutdown for maintenance
10/17/2023 7:54	10/17/2023 12:54	5.00	Clean Out Sumps
11/4/2023 4:47	11/6/2023 9:15	52.47	CAB Fault 24 - Decel Inhibit fault tripped VFD
11/14/2023 22:45	11/15/2023 15:05	16.33	CAB Fault 24 - Decel Inhibit fault tripped VFD
11/17/2023 5:05	11/17/2023 12:04	6.98	CAB Fault 24 - Decel Inhibit fault tripped VFD

11/18/2023 7:35	11/18/2023 11:17	3.70	Manual Shut Down for Maintenance
11/26/2023 4:40	11/26/2023 9:05	4.42	CAB Fault 24 - Decel Inhibit fault tripped VFD
11/26/2023 20:50	11/27/2023 7:05	10.25	CAB Fault 24 - Decel Inhibit fault tripped VFD
12/3/2023 1:30	12/4/2023 13:03	35.55	CAB Fault 24 - Decel Inhibit fault tripped VFD

1.4 Collection System Downtime Events §63.1981(h) (4)

§63.1981(h)(4) All periods when the collection system was not operating.

§63.1958(e) Operate the system as specified in § 60.753(e) of this chapter, except:

(1) Beginning no later than September 27, 2021, operate the system in accordance to §63.1955(c) such that all collected gases are vented to a control system designed and operated in compliance with §63.1959(b)(2)(iii). In the event the collection or control system is not operating:

(i) The gas mover system must be shut down and all valves in the collection and control system contributing to venting of the gas to the atmosphere must be closed within 1 hour of the collection or control system not operating; and

(ii) Efforts to repair the collection or control system must be initiated and completed in a manner such that downtime is kept to a minimum, and the collection and control system must be returned to operation.

The gas collection system was operated in accordance with §63.1955(c) during the reporting period to in a manner consistent with safety and good air pollution control practices to minimize emissions and downtime. All collected gases were vented to a control system design and operated in compliance with §63.1959(b)(2)(iii). In the event of collection or control system downtime the gas mover system is shut down and all valves in the collection and control system contributing to the venting of gas to the atmosphere are closed within 1 hour of the collection or control system not operating. Efforts to repair the collection or control system are initiated and completed pursuant to the work practice standards of

Section 112(h) of the Clean Air Act such that downtime is kept to a minimum, and the collection and control system is returned to operation.

Collection System Downtime Events

Shutdown	Startup	Duration (hours)	Reason
7/1/2023 3:15	7/1/2023 7:10	3.92	CAB 220 Failure
7/13/2023 17:08	7/13/2023 22:08	5.00	Flare 3 Cleaning
8/17/2023 0:40	8/17/2023 7:05	6.42	BL 103 Failure / Low Flow
9/14/2023 7:45	9/14/2023 16:45	9.00	Manual Shut Down / Blower Repairs
10/12/2023 23:20	10/13/2023 7:01	7.68	Manual Shut Down for Maintenance
10/17/2023 7:54	10/17/2023 12:54	5.00	Clean Out Sumps
11/15/2023 13:05	11/15/2023 15:05	2.00	Igniter failure
12/3/2023 1:30	12/4/2023 13:03	35.55	Burner Damage/CAB Fault 24 - Decel Inhibit fault tripped VFD
12/9/2023 6:55	12/11/2023 7:42	48.78	Power Outage

1.5 Surface Emissions Monitoring §63.1981(h)(5)

§63.1981(h)(5) The location of each exceedance of the 500-ppm methane concentration as provided in §63.1958(d) and the concentration recorded at each location for which an exceedance was recorded in the previous month. Beginning no later than September 27, 2021, for location, you record the latitude and longitude coordinates of each exceedance using an instrument with an accuracy of at least 4 meters. The coordinates must be in decimal degrees with at least five decimal places.

Surface emissions monitoring was completed in compliance with §63.1960(c) during the reporting period. Monitoring included the perimeter of the landfill, the serpentine path with a 30-meter spacing, penetration and openings monitoring and per Method 21 requirements areas where visual observations indicate possible elevated concentrations of landfill gas, such as distressed vegetation and cracks or seeps in the cover are monitored.

Monitoring for the Third Quarter 2023 was completed during the reporting period. There were twenty-two (22) locations with recorded methane concentrations greater than 500 ppm as methane. All locations were remediated within §63.1960(c)(4) timelines. Applicable

monitoring data, including the location information plus initial and final remediated methane concentrations are presented in Appendix B.

Monitoring for the Fourth Quarter 2023 was also completed during the reporting period. There were fifty-one (51) locations with recorded methane concentrations greater than 500 ppm as methane. All locations were remediated within §63.1960(c)(4) timelines. Applicable monitoring data, including the location information plus initial and final remediated methane concentrations are presented in Appendix B.

1.6 System Expansion §63.1981(h)(6)

§63.1981(h)(6) The date of installation and the location of each well or collection system expansion added pursuant to §63.1960(a)(3) and (4), (b), and (c)(4).

SVLRC complied with the requirements of §63.1960(a)(3) and (4), (b), and (c)(4).

SVLRC continually looks for ways to optimize the collection system and additional wells or collectors are installed on an as needed basis maintain collection efficiency. The following table summarizes the locations of the wells added to the collection system during the reporting period. Locations of the wells are shown on the GCCS Map included in Appendix A.

Wellfield Expansions to Comply with §63.1960(a)(3) (Pressure Exceedances)

Well ID	Startup Date
N/A, no expansions were required to correct pressure exceedances	

Wellfield Expansions to Comply with §63.1960(a)(4) (Temperature Exceedances)

Well ID	Startup Date
N/A, no expansions were required to correct temperature exceedances	

Wellfield Expansions to Comply with §63.1960(b) (Collection System Coverage)

Well ID	Startup Date
2341	7/7/2023
2330, 2332, 2333, 2334, 2336	7/8/2023

Wellfield Expansions to Comply with §63.1960(c)(4) (Surface Emissions)

Well ID	Startup Date
N/A, no expansions were required to correct surface emissions exceedances	

1.7 Root Cause / Corrective Action Analyses §40 CFR 63.1981(h)(7)

§63.1981(h)(7) For any corrective action analysis for which corrective actions are required in §63.1960(a)(3)(i) or (a)(5) and that take more than 60 days to correct the exceedance, the root cause analysis conducted, including a description of the recommended corrective action(s), the date for corrective action(s) already completed following the positive pressure or high temperature reading, and, for action(s) not already completed, a schedule for implementation, including proposed commencement and completion dates.

SVLRC complied with the requirements of §63.1960(a)(3)(i) and (a)(5). No root cause or corrective action analyses were required during the reporting period. During the reporting period all wells with positive pressures or temperatures greater than 145°F (or applicable HOV) were corrected within 0 to 60 days.

1.8 Enhanced Monitoring §40 CFR 63.1981(h)(8)

§63.1981(h)(8) Each owner or operator required to conduct enhanced monitoring in §63.1961(a)(5) and (6) must include the results of all monitoring activities conducted during the period.

(i) For each monitoring point, report the date, time, and well identifier along with the value and units of measure for oxygen, temperature (wellhead and downwell), methane, and carbon monoxide.

(ii) Include a summary trend analysis for each well subject to the enhanced monitoring requirements to chart the weekly readings over time for oxygen, wellhead temperature, methane, and weekly or monthly readings over time, as applicable for carbon monoxide.

(iii) Include the date, time, staff person name, and description of findings for each visual observation for subsurface oxidation event.

1.8.1 Enhanced Monitoring for Wellhead Temperature Exceedances §63.1961(a)(5)

The enhanced monitoring requirements of §63.1961(a)(5) for temperature exceedances were not applicable during the reporting period.

1.8.2 Summary Trend Analyses for Wells Subject to Enhanced Monitoring Requirements

No wells were subject to the enhanced monitoring requirements of §63.1961(a)(5) during the reporting period.

1.8.3 Visual Observations for Wells to Enhanced Monitoring Requirements

No wells were subject to the enhanced monitoring requirements of §63.1961(a)(5) during the reporting period.

1.9 Enclosed Combustor Monitoring §63.1983(c)

> *§63.1983(c) Except as provided in §63.1981(d)(2), each owner or operator of a controlled landfill subject to the provisions of this subpart must keep for 5 years up-to-date, readily accessible continuous records of the equipment operating parameters specified to be monitored in §63.1961 as well as up-to-date, readily accessible records for periods of operation during which the parameter boundaries established during the most recent performance test are exceeded.*
>
> > *(1) The following constitute exceedances that must be recorded and reported under §63.1981(h):*
> >
> > > *(i) For enclosed combustors except for boilers and process heaters with design heat input capacity of 44 megawatts (150 million Btu per hour) or greater, all 3-hour periods of operation during which the average temperature was more than 28 degrees Celsius (82 degrees Fahrenheit) below the average combustion temperature during the most recent performance test at which compliance with §63.1959(b)(2)(iii) was determined.*
> >
> > > *(ii) For boilers or process heaters, whenever there is a change in the location at which the vent stream is introduced into the flame zone as required under paragraph (b)(3) of this section.*

The SVLRC operated in compliance with all enclosed combustor monitoring standards listed in §63.1983(c) during the reporting period. There were no reportable exceedances under §63.1983(c)(1)(i).

SVLRC operates two enclosed combustors in accordance with the Part 70 Title V Permit No. 01395, issued by the Ventura County Air Pollution Control District (VCAPCD). As required, the enclosed combustors are equipped with thermocouple(s) that serve as the temperature monitoring device(s). The thermocouples send temperature monitoring data to the digital

data recorder. Temperature data is continuously monitored and recorded at least once every 15 minutes.

The enclosed combustors are equipped with flow meters which monitor flow to the enclosed combustors. The flow meters send the data to the digital data recorder, which must record flow rate at least once every 15 minutes.

The enclosed flares are subject to a minimum operating temperature of 28°C (50°F) below the average combustion temperature during the most recent source test (3-hr block averages). The following thresholds apply to the enclosed flares during the reporting period:

Applicable 3-hr Block Average Temperature Limits

Flare No. 3

Parameter	**July 18, 2023 Source Test Report**
Avg. Test Temperature	1,567 °F
3-hr Min Combustion Temperature	1,517°F

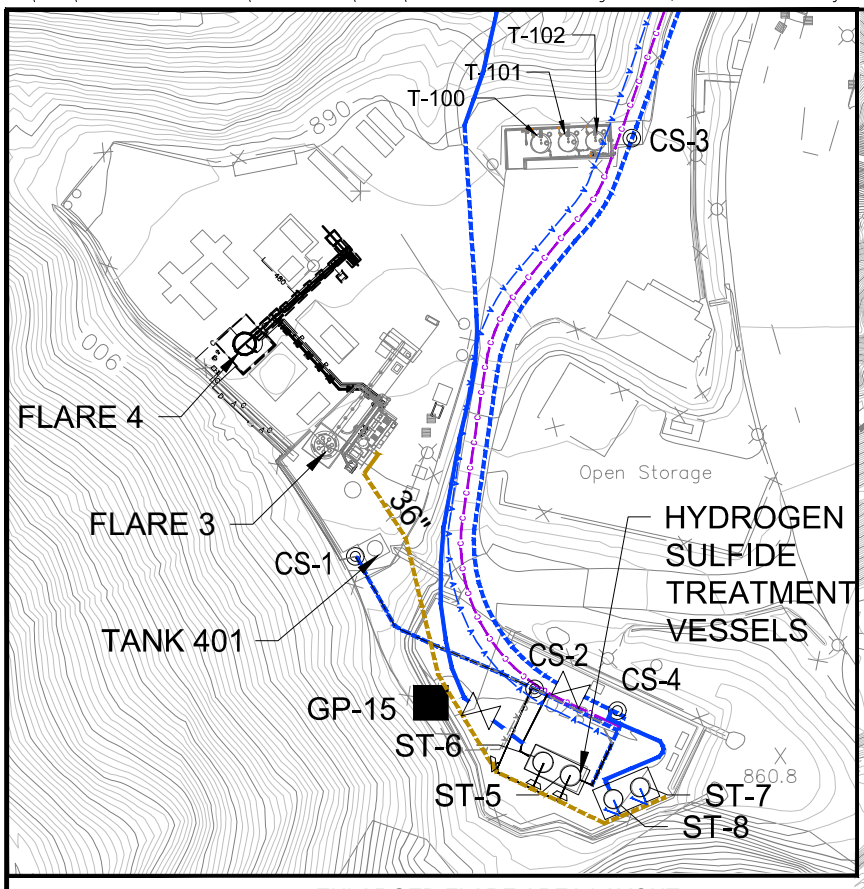
Flare No. 4

Parameter	**June 30, 2022 Source Test Report**
Avg. Test Temperature	1,550 °F
3-hr Min Combustion Temperature	1,500°F

Appendix A

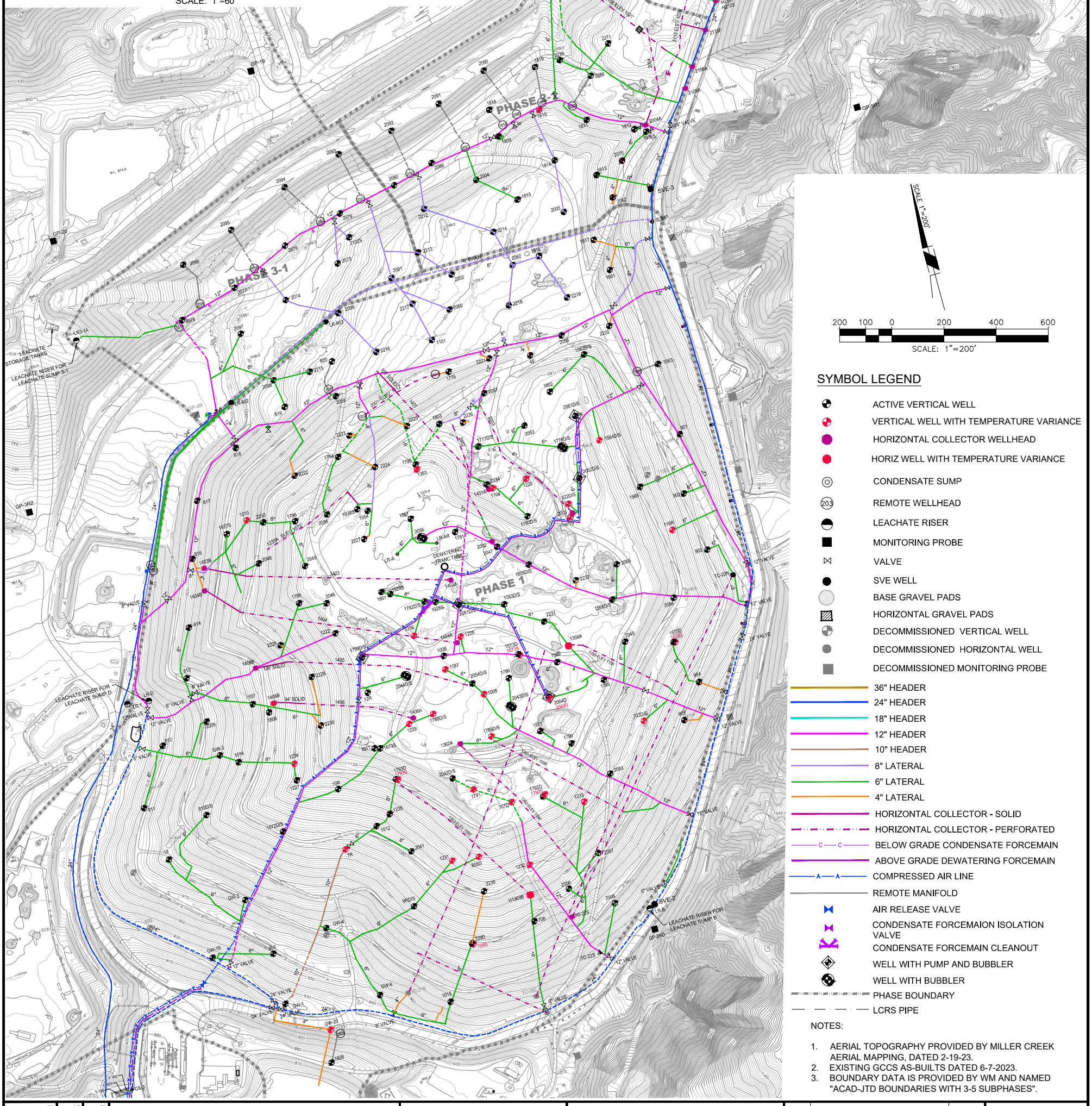
GCCS MAP

N:\CAD\ASBUILT – MASTERS\SIMI VALLEY\GCCS\SIMI GCCS 20230607.dwg Jun 09, 2023 – 12:6am By: 4018j_h



ENLARGED FLARE AREA LAYOUT

SCALE: 1"=60'



SYMBOL LEGEND

- ACTIVE VERTICAL WELL
- VERTICAL WELL WITH TEMPERATURE VARIANCE
- HORIZONTAL COLLECTOR WELLHEAD
- HORIZ WELL WITH TEMPERATURE VARIANCE
- CONDENSATE SUMP
- REMOTE WELLHEAD
- LEACHATE RISER
- MONITORING PROBE
- VALVE
- SVE WELL
- BASE GRAVEL PADS
- HORIZONTAL GRAVEL PADS
- DECOMMISSIONED VERTICAL WELL
- DECOMMISSIONED HORIZONTAL WELL
- DECOMMISSIONED MONITORING PROBE
- 36" HEADER
- 24" HEADER
- 18" HEADER
- 12" HEADER
- 10" HEADER
- 8" LATERAL
- 6" LATERAL
- 4" LATERAL
- HORIZONTAL COLLECTOR - SOLID
- HORIZONTAL COLLECTOR - PERFORATED
- BELOW GRADE CONDENSATE FORCEMAIN
- ABOVE GRADE DEWATERING FORCEMAIN
- COMPRESSED AIR LINE
- REMOTE MANIFOLD
- AIR RELEASE VALVE
- CONDENSATE FORCEMAION ISOLATION VALVE
- CONDENSATE FORCEMAIN CLEANOUT
- WELL WITH PUMP AND BUBBLER
- WELL WITH BUBBLER
- PHASE BOUNDARY
- LCRS PIPE

NOTES:

1. AERIAL TOPOGRAPHY PROVIDED BY MILLER CREEK AERIAL MAPPING, DATED 2-19-23.
2. EXISTING GCCS AS-BUILTS DATED 6-7-2023.
3. BOUNDARY DATA IS PROVIDED BY WM AND NAMED "ACAD-JTD BOUNDARIES WITH 3-5 SUBPHASES".

DRAWING NO. 2 of 3

SCALE: AS SHOWN

DATE: 06-07-2023

SCS ENGINEERS
ENVIRONMENTAL CONSULTANTS
3900 KILROY AIRPORT WAY, SUITE 100
LONG BEACH, CA 90806
PH. (562) 426-9544 FAX. (562) 427-0805

PROJ. NO.	DWN. BY:	ACAD FILE:
	RR	
DSN. BY:	CHK. BY:	APP. BY:
WM	JH	JH

CLIENT: WASTE MANAGEMENT

SHEET TITLE: GCCS AND DEWATER LAYOUT

PROJECT TITLE:
SIMI VALLEY LANDFILL AND RECYCLING CENTER
2801 MADERA ROAD
SIMI VALLEY, CALIFORNIA 93065

NO.	REVISION	DATE

Appendix B

SEM DATA

WASTE MANAGEMENT

8491 Fruitridge Road
Sacramento, CA 95826
(510) 714-6098

October 27, 2023

Ms. Nicole Stetson
2801 Madera Road
Simi Valley, California 93065

Third Quarter 2023 Surface Emissions and Component Leak Monitoring Report for the Simi Valley Landfill and Recycling Center

Dear Ms. Stetson:

This monitoring report for the **"Simi Valley Landfill and Recycling Center (SVLRC)"** contains the results of the Third Quarter 2023 Integrated and Instantaneous Surface Emissions Monitoring (SEM) and Component Leak Monitoring. Initial surface emissions monitoring was performed by Roberts Environmental Services, LLC. (RES). Re-monitoring of site-wide surface emissions and component leak monitoring was also conducted by RES personnel.

APPLICABLE REQUIREMENTS

The monitoring discussed in this report was conducted in accordance with the following requirements:

Surface Emission Monitoring (SEM)

- California Code of Regulations (CCR) Title 17, Subchapter 10, Article 4, Subarticle 6, §95460 to §95476, known as the Assembly Bill 32 (AB32) landfill methane rule (LMR).

- New Source Performance Standard (NSPS), Title 40 of the Code of Federal Regulations (CFR) §60.755 (c) and (d), 40 CFR 60, Appendix A Method 21; and updated Title 40 CFR part 63, Subpart AAAA (63.1960), promulgated by the United States Environmental Protection Agency (USEPA).

- Ventura County Air Pollution Control District (VCAPCD) Rule 74.17.1 (Municipal Solid Waste Landfills)

Component Leak

- California Code of Regulations (CCR) Title 17, Subchapter 10, Article 4, Subarticle 6, §95460 to §95476, known as the Assembly Bill 32 (AB32) landfill methane rule (LMR).

SVLRC Plan and Alternative Compliance Measures

An Alternative Compliance Option (ACO) Request was submitted to the California Air Resources Board (CARB) on May 24, 2011. A response from the CARB was not received to the ACO Request within 120 days from the date of submittal, therefore SVLRC assumes that the alternative compliance measures, monitoring requirements, and test measures and procedures were deemed acceptable as of September 21, 2011, per CCR Title 17 §95468(c).

All monitoring and reporting was completed in accordance with the 2011 SVLRC AB-32 SEM Plan.

PROCEDURES

General

The surface of the SVLRC disposal area has been divided into two-hundred and three (203), (approximately) 50,000 square foot monitoring grids. The entire landfill surface is monitored with the exception of active portions of the Landfill, slope areas, and as requested in the approved ACO, areas containing only asbestos-containing waste, inert waste and/or non-decomposable waste which are excluded for safety as allowed by CCR Title 17 §95466.

Field personnel walked the surface of the landfill following the walking pattern as depicted the 2011 SVLRC AB-32 SEM Plan, which traverses each monitoring grid. Additionally, in accordance with the provisions of 40 CFR 60.753(d) and 60.755(c)(1-3) and 63.1960, the entire perimeter of the landfill surface was monitored. During the event, special attention was given to monitoring unusual cover conditions (stressed vegetation, cracks, seeps, etc.) and any areas with unusual odors. In addition, penetrations were monitoring per Title 40 CFR part 63, Subpart AAAA (63.1960).

Instantaneous Surface Emissions Monitoring

The Instantaneous SEM was conducted using a Toxic Vapor Analyzer (TVA) 1000 flame ionization detector (FID), which was calibrated to 500 parts per million by volume (ppmv) methane, which meets or exceeds all guidelines set forth in the CCR Title 17 §95471(a). The FID was calibrated prior to use in accordance with the United States Environmental Protection Agency (USEPA) Method 21 requirements. The Instantaneous SEM procedures followed the requirements of 40 CFR 60.755 (c) and (d), CCR Title 17 §95471(c)(2), VCAPCD Rule 74.1.7, and 40 CFR part 63, Subpart AAAA 63.1960.

RES personnel walked the surface of the landfill on a grid-by-grid basis with the wand tip held at 3 inches from the landfill surface. While sampling the grid, the technicians also checked any surface impoundments (wells or otherwise) for leaks. Technicians also checked any surface cracks, seeps, or other areas that show evidence of surface emissions (odors or distressed vegetation). Active and sloped areas excluded for safety were documented on field data sheets and maps.

All instantaneous surface monitoring was performed in accordance with the applicable requirements referenced in this report. Any detections of methane above 200 ppmv (areas of concern) or 500 ppmv (exceedances) for instantaneous were recorded, flagged, and marked on an SEM Map, which, wherever required, is included in the Attachments of this report. Applicable corrective action and re-monitoring timelines are listed below:

- Re-monitoring shall be conducted within 10 days of the initial exceedance.
    - If the re-monitoring event shows the exceedance is corrected, the location shall be re-monitored within 1 month of the initial exceedance.
    - If the 1-month re-monitoring event shows the location is still corrected, all re-monitoring requirements have been completed.
- If either the first 10-day or 1-month re-monitoring events show a second exceedance, additional corrective actions shall be completed and a second re-monitoring event shall be conducted within 10 days of the second exceedance.
- If the second 10-day re-monitoring event shows the second exceedance is corrected, the location shall be re-monitored within 1 month of the initial exceedance. If the 1-month re-monitoring event shows the area is still corrected, monitoring requirements have been completed.
- If any location shows three exceedances, an additional well shall be installed within 120 days of the initial exceedance.

Integrated Surface Emissions Monitoring

The Integrated surface monitoring was conducted using a TVA 1000 calibrated to 25 ppmv for the integrated monitoring, which meets or exceeds all guidelines set forth in the CCR Title 17 §95471(a). The field technician traversed the grid walking path over a continuous 25-minute period using the TVA 1000 held at 3 inches above the landfill surface. The Integrated monitoring procedures followed the requirements of CCR Title 17 §95471(c)(2).

Grids with results greater than 25 ppmv were recorded, marked on the SEM map, and flagged for remediation. Any grids with integrated concentrations greater than 25 ppmv are subject to the following corrective action and re-monitoring timeline:

- Re-monitoring shall be conducted within 10 days of the initial exceedance.
- If the 10-day re-monitoring event shows the exceedance is corrected, all re-monitoring requirements have been completed.

- If either the first 10-day re-monitoring event shows a second grid exceedance, additional corrective actions shall be completed and a second re-monitoring event shall be conducted within 10 days of the second exceedance.

- If the second 10-day re-monitoring event shows the second exceedance is corrected, all re-monitoring requirements have been completed.

- If the second 10-day re-monitoring event shows a third grid exceedance, an additional well shall be installed within 120 days of the initial exceedance.

Component Leak Monitoring Procedures

RES personnel monitored the exposed LFG components under positive pressure (pipes, wellheads, valves, blowers, and other mechanical appurtenances) using a TVA 1000 calibrated to 500 ppmv. All leaks measured one half inch or less from the component exceeding the compliance limit of 500 ppmv per requirements outlined in pursuant to CARB Title 17 of California Code of Regulations Subchapter 10, Article 4, Subarticle 6, Section 95464(b)(1)(B) were recorded. Applicable corrective action and re-monitoring timelines are listed below:

- Leaks at or above 500 ppmv must be corrected and re-monitored within 10 days of the initial exceedance.

THIRD QUARTER SEM AND COMPONENT LEAK RESULTS

The following is a summary of the SEM and Component leak monitoring results completed during the Third Quarter 2023.

Instantaneous Surface Emission Monitoring Results

The Instantaneous surface monitoring was performed on July 10, 11, 13, 17, 18, 19, 20, and August 1, 2023 in accordance with the NSPS NESHAP, Rule 74.1.17, CCR Title 17 §95469 and ACO. Results and data from the monitoring are presented in Attachment A.

Initial Monitoring Event Exceedances of 500 ppmv

There were twenty-two (22) exceedances of 500 ppmv as methane detected during the initial monitoring events conducted on July 10, 11 & 13, 2023. RES personnel remediated the locations, and the following re-monitoring was conducted as described below.

First Ten-Day Re-Monitoring Results

RES personnel performed the first ten-day re-monitoring events on July 10 and 20, 2023. No exceedances were observed during the first ten-day re-monitoring events.

Thirty-Day Re-Monitoring Results

RES personnel performed the thirty-day monitoring events on August 9, 2023. No exceedances were observed during the thirty-day re-monitoring events.

Readings between 200 ppmv and 499 ppmv (Initial and Re-monitored)

There were two-hundred four (204) readings between 200 ppmv and 499 ppmv, measured as methane detected during the initial monitoring events on July 10, 11, 18 and August 2 & 4, 2023, respectively. Pursuant to CCR Title 17 §95471(c), instantaneous surface emissions exceeding 200 ppmv but below 500 ppmv are required to be recorded. As a best management practice, if these readings occur, SVLRC voluntarily addresses these locations by remediating and re-monitoring all those within this range, during the 10-day re-checks. Therefore, SVLRC and RES personnel performed ten-day re-checks on July 20 & 26 and August 10 & 14, 2023, respectively, and the two-hundred four (204) readings were below 200 ppmv. The goal of this is effort is to reduce any future exceedances to improve and reduce overall odors/emissions. Results, if applicable, are summarized in Attachment A.

Integrated Surface Emissions Monitoring Results

The Integrated surface sampling (ISS) was performed on August 1, 2, 3 & 4, 2023, in accordance with the ACO, requirements outlined in CCR Title 17 §95469, and VCAPCD Rule 74.1.17. See Attachment B for details.

Initial Monitoring Event Exceedances of 25 ppmv

There were twenty-nine (29) grids with an exceedance above 25 ppmv as methane detected during the initial monitoring events conducted on August 2, 3 & 4, 2023. SVLRC personnel remediated the locations, and the following re-monitoring was conducted as described below.

Ten-Day Re-Monitoring Results

RES personnel performed the ten-day re-monitoring events on August 9 & 14, 2023. No exceedances were observed during the ten-day re-monitoring events.

The average methane concentration of each grid was recorded during the monitoring event per applicable requirements. See Attachment B for details.

Component Leak Monitoring Results

Component leak monitoring was conducted per the applicable requirements on August 4, 2023. There were zero (0) locations with a component leak detection of greater than 500 ppmv. See Attachment C for details.

WEATHER CONDITIONS

Wind Speed Conductions during the Surface Emission Monitoring Events

Wind speeds during initial monitoring were monitored using a portable weather station. The station has a strip chart that records the wind speed and direction. After completion of monitoring, the strip chart is reviewed by RES office staff to determine the average and maximum wind speeds during the monitoring and the average wind direction during each grid and ensure that the wind speed requirements are met (no gusts greater than 20 mph, average wind speed cannot exceed 10 mph). These values are documented in the field data sheets. The chart data is scanned and included in Attachment D.

Precipitation Requirements

Per the SVLRC's ACO, the initial monitoring event was carefully scheduled so that it could be conducted in compliance with the precipitation requirements (no measurable precipitation within 24 hours). Re-monitoring events are required to adhere to strict timelines. Any conflicts with precipitation requirements are discussed in the results section of this document.

EQUIPMENT CALIBRATION

The portable analyzers were calibrated to meet the instrument specifications requirements of U.S. EPA Method 21. The calibration gas used was methane, diluted to a nominal concentration of 25 ppmv in air for integrated sample analyses and 500 ppmv in air for instantaneous monitoring to comply with the requirements.

All analyzers were calibrated prior to use with required response time and precision related instrument checks. Calibration records include the following: One time response time test record; One time response factor determination for methane; Calibration Precision test records (test to be performed every 3 months); and Daily Instrument Calibration and Background test records for each gas meter that was used during the quarterly monitoring event. The calibration log records are included in Attachment E.

All monitoring was completed in accordance with the applicable regulatory requirements or approved alternatives. If you have any questions regarding this report, please do not hesitate to contact the undersigned at (510) 714-6098.

Thank you,
Waste Management

Collin Pavelchik
Environmental Protection Air Quality Specialist

Attachment A – Instantaneous Surface Emission Monitoring Event Records

- Monitoring Logs and Exceedances
- Surface Monitoring Weather Data
- SEM Map

Attachment B – Integrated Surface Emission Monitoring Event Records

- Monitoring Logs and Exceedances
- Surface Monitoring Weather Data
- SEM Map

Attachment C – Component Leak Monitoring Event Records

- Component Leak Exceedances and Monitoring Logs

Attachment D – Weather Station Data

- Strip Chart Data and Legend

Attachment E – Calibration Records

- Instrument and Gas Calibration Records

Attachment A

Instantaneous Surface Emission Monitoring Event Records

SIMI VALLEY LANDFILL
INSTANTANEOUS LANDFILL SURFACE MONITORING

Personnel: M. MORE
G. ROBLES
J. Madera

Cal. Gas Exp. Date: 5/25

Date: 7-11-23 Instrument Used: INSpectra Grid Spacing: 25FT

Temperature: 90 Precip: 0 Upwind BG: 1.6 Downwind BG: 2.3

GRID ID	STAFF INITIALS	START TIME	STOP TIME	TOC PPM	WIND INFORMATION			REMARKS
					AVG SPEED	MAX. SPEED	DIRECTION 16 POINT	
13	MO	1000	1015	24.3	5	7	13	
14	MO	1015	1030	23.5	3	5	13	
1	GR	0951	1006	27.1	5	7	13	
2	GR	1007	1022	5.24	3	5	13	
3	GR	1024	1039	4.10	4	6	13	
4	GR	1040	1055	3.2	4	5	13	
5	GR	1056	1111	3.5	4	5	13	
7	JM	0957	1013	2.6	5	7	13	
9	JM	1028	1043	20.5	4	6	13	
10	JM	1045	1100	16.7	3	5	13	

Attach Calibration Sheet
Attach site map showing grid ID

Page 1 of 1

SIMI VALLEY LANDFILL
INSTANTANEOUS LANDFILL SURFACE MONITORING

Personnel: G. Robles
J. Medina

Cal. Gas Exp. Date: 5/26

Date: 7-13-23 Instrument Used: Inspectra Grid Spacing: 25ft

Temperature: 92° Precip: 0 Upwind BG: 2.3 Downwind BG: 2.8

GRID ID	STAFF INITIALS	START TIME	STOP TIME	TOC PPM	WIND INFORMATION			REMARKS
					AVG SPEED	MAX. SPEED	DIRECTION 16 POINT	
92	GR	0747	0802	81.6	3	5	12	Stockpiles
64	GR	0805	0825	51.5	5	10	12	
43	GR	0823	0839	39.4	4	8	12	
11	GR	0844	0903	31.3	5	9	13	
90	GR	0928	0944	174.0	3	4	13	Stockpiles
66	GR	0946	1001	39.4	3	4	12	
41	GR	1004	1021	27.8	3	4	13	
15	GR	1024	1044	34.2	3	4	12	
38	GR	1111	1128	6.2	5	6	12	
18	GR	1129	1147	5.0	5	6	12	
91	JM	0758	0813	21.7	5	9	12	
65	JM	0815	0830	31.6	8	10	12	
42	JM	0835	0850	32.7	5	10	13	
12	JM	0835	0910	5.07	6	10	13	
89	JM	0933	0944	39.5	3	4	13	
67	JM	0953	1009	40.9	3	4	13	
40	JM	1011	1026	13.4	3	4	13	
16	JM	1028	1040	28.8	3	4	12	
39	JM	1118	1133	7.9	5	6	12	
17	JM	1135	1158	16.3	5	6	12	

Attach Calibration Sheet
Attach site map showing grid ID

Page 1 of 1

SIMI VALLEY LANDFILL
INSTANTANEOUS LANDFILL SURFACE MONITORING

Personnel: J. Medina
C. Hughes
A. Lopez

Cal. Gas Exp. Date: 5/25

Date: 7-17-23 Instrument Used: Inspectra Grid Spacing: 25FT

Temperature: 95° Precip: 0 Upwind BG: 1.9 Downwind BG: 2.4

GRID ID	STAFF INITIALS	START TIME	STOP TIME	TOC PPM	WIND INFORMATION			REMARKS
					AVG SPEED	MAX. SPEED	DIRECTION 16 POINT	
85	JM	0721	0736	111.1	2	3	15	MULCH/GRAVEL
71	JM	0741	0756	71.4	1	2	14	GRAVEL
36	JM	0803	0818	25.6	1	2	14	
20	JM	0825	0840	4.9	2	3	14	
83	JM	0920	0935	113.8	4	6	16	
73	JM	0937	0952	58.6	3	7	12	GRAVEL
34	JM	0957	1012	8.3	7	9	11	
22	JM	1015	1030	14.5	5	8	10	
117	JM	1101	1116	407.2	5	10	10	
118	JM	1118	1133	193.1	5	10	10	
119	JM	1135	1150	297.5	5	10	10	
86	CH	0725	0735	110.16	2	3	15	GRAVEL/CONCRETE
70	CH	0745	0755	56.1	1	2	14	GRAVEL/CONCRETE
37	CH	0815	0825	5.0	2	3	14	
19	CH	0830	0840	4.2	2	3	14	
82	CH	0925	0935	155.0	4	6	10	
74	CH	0940	0950	36.5	3	7	12	
33	CH	1000	1015	4.0	7	9	11	ROCK PILE
23	CH	1020	1030	8.9	5	8	10	
120	CH	1100	1115	178.7	5	10	10	
121	CH	1120	1130	262.8	5	10	10	TRASH
68	AL	0720	0735	21.16	2	3	15	
69	AL	0737	0752	162.1	1	2	14	ROCK PILE
88	AL	0756	0811	15.16	1	2	14	ROCK PILE
87	AL	0812	0827	10.9	2	3	14	ROCK PIT
84	AL	0854	0909	36.9	3	5	10	DIRT PILE
72	AL	0911	0923	20.4	4	6	11	DIRT + ROCK PILE
35	AL	0926	0941	37.12	5	7	11	HEAVY EQUIPMENT
21	AL	0942	0957	7.3	5	7	10	
114	AL	1024	1039	114.7	5	9	10	ASPHALT + CONCRETE

Attach Calibration Sheet
Attach site map showing grid ID

SIMI VALLEY LANDFILL
INSTANTANEOUS LANDFILL SURFACE MONITORING

Personnel: J. Medina, C. Hughes, A. Lopez

Cal. Gas Exp. Date: 5/25

Date: 7-17-23 Instrument Used: Inspector Grid Spacing: 25 FT

Temperature: 95° Precip: 0 Upwind BG: 1.9 Downwind BG: 2.4

GRID ID	STAFF INITIALS	START TIME	STOP TIME	TOC PPM	WIND INFORMATION			REMARKS
					AVG SPEED	MAX. SPEED	DIRECTION 16 POINT	
113	AL	1040	1055	318.0	5	9	11	Concrete
112	AL	1056	1111	70.0	5	10	10	Concrete
116	AL	1112	1127	1042.9	5	10	10	Dirt Pile

Attach Calibration Sheet
Attach site map showing grid ID

Page 1 of 2

SIMI VALLEY LANDFILL
INSTANTANEOUS LANDFILL SURFACE MONITORING

Personnel: J. Medina, C. Hughes

Cal. Gas Exp. Date: 5/25

Date: 7-18-23 Instrument Used: Inspectra Grid Spacing: 25 FT

Temperature: 93° Precip: 0 Upwind BG: 1.7 Downwind BG: 24

GRID ID	STAFF INITIALS	START TIME	STOP TIME	TOC PPM	WIND INFORMATION			REMARKS
					AVG SPEED	MAX. SPEED	DIRECTION 16 POINT	
101	JM	0733	0748	177.7	5	10	12	
95	JM	0757	0817	40.4	5	7	12	
61	JM	0817	0833	44.2	4	7	13	
46	JM	0842	0856	38.2	6	8	13	
48	JM	0938	0952	38.5	4	5	12	
59	JM	0955	1011	38.2	3	5	12	
97	JM	1015	1030	40.6	5	7	12	
99	JM	1033	1048	40.6	5	7	12	Veg
145	JM	1121	1136	37.3	5	9	12	Traffic
147	JM	1141	1156	36.7	4	6	12	
102	CH	0735	0745	416.2	5	10	12	
94	CH	0745	0755	65.8	7	12	12	
62	CH	0800	0815	25.3	5	7	12	
45	CH	0820	0830	44.6	3	7	13	
47	CH	0930	0940	14.6	5	7	12	
60	CH	0945	0955	41.7	5	8	12	
96	CH	1000	1015	15.1	4	5	12	
100	CH	1020	1030	96.8	5	7	12	Rock Pile
146	CH	1115	1125	209.1	5	9	12	
157	CH	1130	1140	92.5	6	9	12	Haul Road

Attach Calibration Sheet
Attach site map showing grid ID

SIMI VALLEY LANDFILL
INSTANTANEOUS LANDFILL SURFACE MONITORING

Personnel: M. ORUG, A. Lopez
C. Hughes
J. Medina
Cal. Gas Exp. Date: 8/25

Date: 7-19-23 Instrument Used: Inspectra Grid Spacing: 25 FT

Temperature: 95° Precip: 0 Upwind BG: 1.9 Downwind BG: 2.3

GRID ID	STAFF INITIALS	START TIME	STOP TIME	TOC PPM	WIND INFORMATION			REMARKS
					AVG SPEED	MAX. SPEED	DIRECTION 16 POINT	
8	MO	0735	0750	9.47	5	7	12	
6	MO	0750	0805	14.7	5	8	12	
103	MO	0851	0906	247.6	6	7	12	TRASH
93	MO	0906	0921	28.2	5	8	12	DIRT STOCKPILE
104	MO	1010	1025	160.3	4	7	12	
105	MO	1027	1043	117.5	4	5	13	TRASH
55	CH	0825	0835	220.2	7	9	12	
52	CH	0840	0850	7.8	5	8	12	
53	CH	0900	0915	3.2	5	9	12	
54	CH	0920	0930	3.5	5	8	12	Road/Hill
63	CH	1020	1030	40.2	4	7	12	
44	CH	1035	1045	23.2	4	5	13	
142	CH	1125	1135	Water	4	7	13	
98	JM	0824	0834	175.2	7	9	12	STEEP SLOPE
58	JM	0845	0900	89.5	5	9	12	
49	JM	0903	0918	21.9	5	8	12	
50	JM	0920	0935	34.9	6	8	12	
56	JM	1015	1025	50.5	4	7	12	
57	JM	1030	1043	15.2	4	5	13	
51	JM	1045	1100	5.9	4	5	13	
81	AL	0732	0747	994.4	5	7	12	ASHMAT
75	AL	0748	0803	102.2	5	8	12	
32	AL	0803	0818	24.9	6	8	11	
24	AL	0818	0833	36.9	7	9	12	
77	AL	0845	0900	19.0	5	9	12	
30	AL	0900	0915	12.5	5	9	12	
26	AL	0916	0931	7.8	6	8	12	
27	AL	0932	0947	9.7	6	9	12	
106	AL	1037	1049	19.3	4	5	13	TRASH
107	AL	1050	1102	54.3	4	5	13	TRASH

Attach Calibration Sheet
Attach site map showing grid ID

SIMI VALLEY LANDFILL
INSTANTANEOUS LANDFILL SURFACE MONITORING

Personnel: M. Morris, A. Lopez, C. Hughes, G. Robles, J. Medina

Cal. Gas Exp. Date: 5/25

Date: 7-19-23 Instrument Used: Inspectra Grid Spacing: 25FT

Temperature: 95° Precip: 0 Upwind BG: 1.9 Downwind BG: 2.3

GRID ID	STAFF INITIALS	START TIME	STOP TIME	TOC PPM	WIND INFORMATION			REMARKS
					AVG SPEED	MAX. SPEED	DIRECTION 16 POINT	
108	AL	1103	1113	27.4	4	5	13	~~TRASH~~ TRASH
80	GR	0724	0739	633.1	5	8	12	
76	GR	0742	0758	156.6	5	7	11	
31	GR	0802	0816	8.1	6	8	11	
25	GR	0820	0837	17.6	7	9	12	
78	GR	0847	0902	31.6	5	9	12	
29	GR	0907	0922	3.8	5	8	12	
28	GR	0932	0947	4.5	6	9	12	
79	GR	0952	1006	14.3	6	10	12	
109	GR	1036	1046	28.5	4	5	13	
110	GR	1050	1100	133.6	4	5	13	
111	GR	1100	1115	34.5	4	5	13	

Attach Calibration Sheet
Attach site map showing grid ID

SIMI VALLEY LANDFILL
INSTANTANEOUS LANDFILL SURFACE MONITORING

Personnel: J. Medina, G. Robles, C. Hughes

Cal. Gas Exp. Date: 5/25

Date: 7-20-23 Instrument Used: Inspectra Grid Spacing: 25FT

Temperature: 95° Precip: 0 Upwind BG: 2.0 Downwind BG: 2.9

GRID ID	STAFF INITIALS	START TIME	STOP TIME	TOC PPM	WIND INFORMATION			REMARKS
					AVG SPEED	MAX. SPEED	DIRECTION 16 POINT	
115	JM	0742	0757	90.2	4	6	4	
143	JM	0805	0820	158.7	5	7	8	TRAFFIC
144	JM	0825	0840	157.0	4	6	7	
148	JM	0849	0909	321.8	5	8	6	
149	JM	0940	0955	353.4	5	7	8	
150	JM	1000	1015	137.0	5	10	8	
151	JM	1020	1032	127.7	6	10	8	STEEP Slopes
180	JM	1101	1116	84.4	4	7	8	
152	GR	0736	0746	376.5	3	4	3	STEEP Slope
153	GR	0828	0838	252.3	4	6	7	STEEP Slope
154	GR	0849	0850	140.3	3	5	6	STEEP Slope
155	GR	0901	0911	51.3	5	8	6	STEEP Slope
156	GR	0912	0924	42.2	5	7	8	STEEP Slope
134	GR	0925	0936	17.6	5	7	8	Sand stockPile / Slope
133	GR	0938	0948	7.0	8	10	8	Sand stockPile / Slope
132	GR	1025	1036	80.2	6	10	8	STEEP Slope
131	GR	1037	1047	177.2	7	10	8	STEEP Slope
130	GR	1048	1058	16.4	2	7	8	STEEP Slope
129	GR	1100	1111	116.8	4	7	8	STEEP Slope
123	GR	1120	1126	40.6	7	10	8	STEEP Slope
141	CH	0737	0745	500.5	3	4	3	
140	CH	0758	0755	309.9	4	6	4	DIRT Piles/concrete
139	CH	1075	1020	143.3	8	10	8	
138	CH	0800	0815	404.5	4	7	8	
137	CH	0820	0830	536.0	4	6	8	concrete stockPile
136	CH	0850	0900	1856.7	5	8	6	
135	CH	0910	0930	505.8	6	9	7	SOFT DIRT
128	CH	1040	1045	7.5	7	10	8	DIRT FILL / Slope
127	CH	1050	1055	5.0	6	10	8	DIRT FILL / Slope

Attach Calibration Sheet
Attach site map showing grid ID

SIMI VALLEY LANDFILL
INSTANTANEOUS LANDFILL SURFACE MONITORING

Personnel: J. Medina
G. Robles
C. Ituarte

Cal. Gas Exp. Date: 5/25

Date: 7-20-23 Instrument Used: Inspectra Grid Spacing: 25 FT

Temperature: 95° Precip: 0 Upwind BG: 2.0 Downwind BG: 2.9

GRID ID	STAFF INITIALS	START TIME	STOP TIME	TOC PPM	WIND INFORMATION			REMARKS
					AVG SPEED	MAX. SPEED	DIRECTION 16 POINT	
126	CH	1100	1105	36.1	4	7	S	STEEP SLOPE
125	CH	1115	1120	20.0	4	7	S	STEEP SLOPE
124	CH	1120	1125	25.4	7	10	S	Big fissure

Attach Calibration Sheet
Attach site map showing grid ID

SIMI VALLEY LANDFILL
INSTANTANEOUS LANDFILL SURFACE MONITORING

Personnel: M. OROZCO, J. Medina, A. Lopez, G. Robles, C. Hughes

Cal. Gas Exp. Date: 5/25

Date: 8-1-23 Instrument Used: TVSpectra Grid Spacing: 25FT

Temperature: 90° Precip: 0 Upwind BG: 1.9 Downwind BG: 2.3

GRID ID	STAFF INITIALS	START TIME	STOP TIME	TOC PPM	WIND INFORMATION			REMARKS
					AVG SPEED	MAX. SPEED	DIRECTION 16 POINT	
160	MO	0719	0734	388.0	5	8	12	
159	MO	0735	0750	509.2	5	7	12	
161	MO	0751	0806	29.7	5	6	12	
184	AL	0720	0735	194.4	5	6	12	
185	AL	0736	0751	86.4	5	7	12	
186	AL	0753	0803	42.4	5	6	12	
189	CH	0730	0740	1040.7	5	8	12	
188	CH	0740	0750	604.3	5	7	12	
187	CH	0750	0800	105.1	5	6	12	
181	JM	0719	0734	194.1	5	6	12	
182	JM	0738	0753	867.9	6	8	12	
183	JM	0756	0811	348.5	5	8	12	
164	GR	0745	0800	125.8	5	6	12	
158	GR	0802	0817	190.7	4	7	11	
165	GR	0820	0835	129.8	6	10	12	

Attach Calibration Sheet
Attach site map showing grid ID

Page 1 of 1

SIMI VALLEY SEM

PENETRATION ID	GRID #	INITIAL (PPM)	1st 10 DAY (PPM)	2nd 10 DAY (PPM)	1st 30 DAY (PPM)	3rd 10 DAY (PPM)	2nd 30 DAY (PPM)
SIMW0057	2	21.5					
SIMW0809	3	3.3					
SIMW0019	4	3.2					
SIMW0001	6	3.4					
SIMW0002	6	2.4					
SIMW0808	7	2.5					
SIMW0020	8	5.2					
SIMW1808	8	4.3					
SIMW0004	9	3.3					
SIMW0006	10	16.8					
SIMH021S	11	21.9					
SIMW1015	13	188.7					
SIMW709D	14	1,822.4					
SIMW709S	14	6.6					
SIMH0017	16	9.1					
SIMH018S	16	16.1					
SIH1363B	17	3.0					
SIMW0708	17	4.4					
SIMW2006	18	3.1					
SIMH022S	19	2.7					
SIMW2007	20	3.0					
SIMW2008	20	2.8					
SIMSVE02	21	14.3					
SIMLR00B	21	2.3					
SIMI0905	24	1.7					
SIMI0904	25	1.7					
SIMH022N	27	164.2					
SIMI0903	27	30.2					
SIMI0901	29	17.1					
SIMI0902	30	5.1					

SIMI VALLEY SEM

PENETRATION ID	GRID #	INITIAL (PPM)	1st 10 DAY (PPM)	2nd 10 DAY (PPM)	1st 30 DAY (PPM)	3rd 10 DAY (PPM)	2nd 30 DAY (PPM)
SIMW116R	31	2,922.8					
SIMW1565	31	12.4					
SIMW2084	31	2.4					
SIM1570D	32	4.0					
SIM1570S	32	55.0					
SIMW122S	32	2.3					
SIMW2045	33	2.7					
SIMW703D	33	2.2					
SIMW703S	33	2.9					
SIMW1785	35	3.5					
SIMW2083	35	2.1					
SIMW1233	36	3.5					
SIMW1790	36	2.4					
SIMW1571	37	2.6					
SIM1792D	38	6.0					
SIM1792S	38	2.3					
SIMW1232	39	3.0					
SIMW707D	39	2.0					
SIMW1791	40	2.4					
SIM2042D	41	3.0					
SIM2042S	41	3.2					
SIMW805D	41	7.2					
SIMW1231	42	12.0					
SIMW2041	43	3.2					
SIMW09RD	44	10.9					
SIMW1012	44	5.9					
SIMW1228	44	2.3					
SIMWO9RS	44	22.4					
SIMW010R	45	93.0					
SIMW007R	46	9					

SIMI VALLEY SEM

PENETRATION ID	GRID #	INITIAL (PPM)	1st 10 DAY (PPM)	2nd 10 DAY (PPM)	1st 30 DAY (PPM)	3rd 10 DAY (PPM)	2nd 30 DAY (PPM)
SIMW1227	47	3.0					
SIMW1234	47	2.5					
SIM1572D	48	147					
SIM1572S	48	5.0					
SIMW810D	51	3.0					
SIMW810S	51	3.0					
SIMW0018	52	2.4					
SIMW0812	52	5.2					
SIMW0811	53	2.2					
SIMLR00D	55	20.6					
SIMLR001	55	204.1					
SIMW0003	57	5.2					
SIMW0813	57	15.0					
SIMW2009	57	1,654					
SIMW1014	58	4.1					
SIMW1107	59	3.7					
SIH1405B	60	13.3					
SIH1406B	60	2.3					
SIMW1806	60	3.6					
SIMW2228	61	49.0					
SIMW2229	62	6.3					
SIMW2230	62	4.1					
SIMW1011	63	4.5					
SIM1673S	64	126.0					
SIM1793D	64	83.7					
SIM1793S	64	7.1					
SIMW012R	64	9.2					
SIH1406A	65	3.1					
SIM2044D	65	5.1					
SIM2044S	65	5.0					

SIMI VALLEY SEM

PENETRATION ID	GRID #	INITIAL (PPM)	1st 10 DAY (PPM)	2nd 10 DAY (PPM)	1st 30 DAY (PPM)	3rd 10 DAY (PPM)	2nd 30 DAY (PPM)
SIMW1229	65	3.4					
SIM1788D	66	4.8					
SIM1788S	66	11.0					
SIM1362A	67	21.2					
SIM1404A	67	2.8					
SIMW1008	67	2.4					
SIMW1787	67	3.0					
SIM1789D	68	6.9					
SIM1789S	68	3.3					
SIM2054D	68	4.9					
SIM2054S	68	4.4					
SIMW1005	68	855.9					
SIMW1225	68	4.5					
SIM2043D	69	700.3					
SIM2043S	69	6,369.4					
SIMW1786	69	856.2					
SIM1573D	70	36.6					
SIM1573S	70	10.7					
SIM1783D	70	7,819					
SIM1783S	70	78.7					
SIM2064D	70	1,425.8					
SIM2064S	70	21.5					
SIM1805D	71	7.0					
SIM1805S	71	509					
SIMW1569	71	885					
SIMW2231	71	4.8					
SIM1359A	72	4.5					
SIMW1779	73	232.7					
SIMW2232	73	3.1					
SIM1568D	74	2.8					

SIMI VALLEY SEM

PENETRATION ID	GRID #	INITIAL (PPM)	1st 10 DAY (PPM)	2nd 10 DAY (PPM)	1st 30 DAY (PPM)	3rd 10 DAY (PPM)	2nd 30 DAY (PPM)
SIM1568S	74	2.7					
SIM2052D	74	52.4					
SIM2052S	74	148.8					
SIMW2065	74	1.9					
SIM1564D	75	128.0					
SIM1564S	75	683.0					
SIMW115S	76	3.1					
SIMW0202	76	11.8					
SIMW1563	78	10.0					
SIMW2220	80	62.0					
SIM1562D	81	14.5					
SIM1562S	81	14.8					
SIMW2219	81	13.5					
SIM2061D	82	296.3					
SIM2061S	82	1,160.6					
SIM1778D	83	2.2					
SIM1778S	83	2.3					
SIMW1802	83	3.3					
SIMW822D	83	78.2					
SIMW822S	83	176.6					
SIM2003A	83	3.3					
SIMW1220	84	8.8					
SIMW2053	84	4.5					
SIM1780D	85	Active Dumping					
SIM1780S	85	Active Dumping					
SIM1401A	86	Active Dumping					
SIMW1104	86	Active Dumping					
SIMW2047	86	2.2					
SIM2002A	86	Active Dumping					
SIMW2234	86	Active Dumping					

SIMI VALLEY SEM

PENETRATION ID	GRID #	INITIAL (PPM)	1st 10 DAY (PPM)	2nd 10 DAY (PPM)	1st 30 DAY (PPM)	3rd 10 DAY (PPM)	2nd 30 DAY (PPM)
SIM1403A	88	2.3					
SIM2081D	88	2.4					
SIM2081S	88	2.4					
SIMW1781	88	2.1					
SIMLR0AR	88	14.2					
SIMHL005	88	2.6					
SIM1782D	89	2.7					
SIM1782S	89	2.4					
SIM1928S	89	2.2					
SIMW2056	89	2.2					
SIMW1356	90	9.8					
SIMLR00A	90	146.9					
SIM1929S	91	2.4					
SIMW1801	91	3.5					
SIMW2227	91	Active Pumping					
SIM1799D	92	426.4					
SIM1799S	92	609.4					
SIMW1222	93	9.1					
SIMW2046	93	3.3					
SIMW2049	93	2.1					
SIMW1798	94	2.5					
SIMW1010	95	2.3					
SIMW2048	95	3.1					
SIMW2233	95	13.0					
SIM1937S	96	2.2					
SIM1403B	97	2.8					
SIM1404B	97	3.8					
SIMW0814	98	11.0					
SIMLR602	99	84.5					
SIMLR603	99	119.6					

SIMI VALLEY SEM

PENETRATION ID	GRID #	INITIAL (PPM)	1st 10 DAY (PPM)	2nd 10 DAY (PPM)	1st 30 DAY (PPM)	3rd 10 DAY (PPM)	2nd 30 DAY (PPM)
SIMW0816	99	2.6					
SIMW0817	100	10.0					
SIMW0818	101	2.7					
SIMW0819	103	Active Dumping					
SIMW1796	103	10.3					
SIMW2222	103	6.3					
SIMW2055	104	1,004					
SIM1938S	105	5.0					
SIMW1794	105	373.4					
SIMW2223	105	6.2					
SIM2001A	106	13.4					
SIMW2224	106	1,183.6					
SIMW1807	107	Active Dumping					
SIMW1353	108	Active Dumping					
SIMW1795	108	Active Dumping					
SIMW2225	108	3.1					
SIM2001B	109	15.9					
SIMW1803	109	Active Dumping					
SIM1777D	110	Active Dumping					
SIM1777S	110	Active Dumping					
SIMW1101	110	Active Dumping					
SIMW1776	110	5.2					
SIMW2226	110	95.3					
SIMHL002	110	2.5					
SIMHL003	110	Active Dumping					
SIMW2057	111	95.5					
SIMW2221	112	4.9					
SIMHL001	112	103.4					
SIMW0048	113	93.2					
SIMW2062	113	71.6					

SIMI VALLEY SEM

PENETRATION ID	GRID #	INITIAL (PPM)	1st 10 DAY (PPM)	2nd 10 DAY (PPM)	1st 30 DAY (PPM)	3rd 10 DAY (PPM)	2nd 30 DAY (PPM)
SIMW2218	113	6,192.3					
SIMW1816	114	432.0					
SIMW2058	114	339.1					
SIMW1561	115	16.1					
SIMW2060	116	19,121					
SIMW2001	117	77.6					
SIMW2217	117	22,218.9					
SIMW2216	118	Active Dumping					
SIMW2099	119	Active Dumping					
SIMW2059	120	4,123					
SIMW2215	121	Active Dumping					
SIMW2098	122	Active Dumping					
SIMLR31A	123	106.7					
SIMW2076	126	24.9					
SIMW2096	127	74.5					
SIMW2097	127	2.5					
SIMW2077	128	172.3					
SIMW2095	129	20.2					
SIMW2074	130	3,480.3					
SIMW2078	131	11.9					
SIMW2073	132	2,814.9					
SIMW2094	132	12.9					
SIMW2079	133	11.4					
SIM2102S	133	163.4					
SIMW2093	134	14.0					
SIMW2080	135	3.0					
SIMW2213	135	303.6					
SIMW2002	136	4,635					
SIMW2212	136	2,059.8					
SIMW2088	137	37.9					

SIMI VALLEY SEM

PENETRATION ID	GRID #	INITIAL (PPM)	1st 10 DAY (PPM)	2nd 10 DAY (PPM)	1st 30 DAY (PPM)	3rd 10 DAY (PPM)	2nd 30 DAY (PPM)
SIMW2004	138	1,251.3					
SIMW2214	138	440					
SIMW1809	139	13.0					
SIMW1815	139	33.6					
SIMW1814	141	52.4					
SIMW2005	141	182.8					
SIMW1817	142	140					
SIMW1811	143	28.8					
SIMW1813	143	72.0					
SIMW2082	143	67					
SIMW1812	144	109.6					
SIMW2070	144	46.7					
SIMSVE03	144	8.1					
SIM2004A	145	11.9					
SIM1936S	145	45					
SIM2199A	145	31					
SIM2115F	146	41.0					
SIM2106A	146	34.0					
SIM2105A	146	28.0					
SIMW2211	148	1,114					
SIMW2089	149	26.7					
SIMW2210	150	23.9					
SIMW1810	151	28.1					
SIMW1819	151	47.6					
SIMW1818	153	53.0					
SIMW2090	153	67.0					
SIMW2091	155	24.7					
SIMW2092	156	13.6					
SIM2115E	157	27.0					
SIM2107A	157	11.0					

SIMI VALLEY SEM

PENETRATION ID	GRID #	INITIAL (PPM)	1st 10 DAY (PPM)	2nd 10 DAY (PPM)	1st 30 DAY (PPM)	3rd 10 DAY (PPM)	2nd 30 DAY (PPM)
SIM2108A	157	4.2					
SIM2123A	157	4.5					
SIM2115D	158	6.3					
SIM2109A	158	10.1					
SIM2110A	158	12.7					
SIM2125A	158	6.7					
SIM2115C	159	3.4					
SIM2111A	159	18.2					
SIM2112A	159	28.3					
SIM2126A	159	17.4					
SIM2127A	159	25.2					
SIM2115B	161	25.4					
SIM2128A	161	26.7					
SIM2115A	168	34.4					
SIM2113A	168	35.6					
SIM2114A	168	30.9					
SIM2129A	168	20.3					
SIMLR22A	168	32.3					
SIMLR22B	168	23.6					
SIMLR23A	168	30.4					
SIM2100S	185	1.7					
SIMLR22C	185	1.7					
SIMLR23B	186	2.5					
SIM2116A	188	20.3					
SIM2117A	191	6.9					
SIM2330A	191	5.4					
SIM2331A	191	5.6					
SIM2118A	193	6.6					
SIM2232A	193	8.4					
SIM2119A	197	16.9					

SIMI VALLEY SEM

PENETRATION ID	GRID #	INITIAL (PPM)	1st 10 DAY (PPM)	2nd 10 DAY (PPM)	1st 30 DAY (PPM)	3rd 10 DAY (PPM)	2nd 30 DAY (PPM)
SIM2233A	197	24.6					
SIM2120A	199	33.6					
SIM2334A	199	28.4					
Sim2066	118	1,101					
Simw1101	116	1,570.7					
Sim2333A	197	7.6					
Sim2135B	199	31.5					
Sim2135A	168	31.7					
Sim2336A	168	55.3					

Waste Management Instantaneous Landfill Surface Emissions Monitoring
Exceedance and Monitoring Logs

Quarter: 3rd QTR 2023

Initial Monitoring Performed By: _____

Follow-up Monitoring Performed By: MORG

Landfill Name: Simi Valley Landfill

Initial Monitoring Event				Corrective Action within 5 Days		1st 10-Day Follow-Up			1st 30-Day Follow-Up			Comments
Grid #	Flag #	Monitoring Date	Field Reading	Repair Date	Action taken to repair Exceedance	Monitoring Date	No Exceed. <500 ppm	Exceed. >500 ppm	Monitoring Date	No Exceed. <500 ppm	Exceed. >500 ppm	
87	41	7-10-23	7819.8			9-20-23	493		8-9-23	480		SIM 1783D
110	42		1822.4				206			36		SIMW1101
70	43		1425.8				186			132		SIM 2064D
106	44		1183.6				57			202		SIMW2224
82	45		1160.6				309			397		SIM 2061S
120	46		885.2				91			150		SIMW1569
71	47		856.7				87			56		SIM W1786
69	48		609.4				406			296		SIM 1799S
92	49		1089.3				311			472		Surface
120	410		423				439			493		Well GW2059
71	411		509				281			182		Well 1805S
90	412		1023				347			447		Well 2055
104	413		520				111			58		no well ID

Waste Management Instantaneous Landfill Surface Emissions Monitoring
Exceedance and Monitoring Logs

Quarter: 3rd QTR 2023

Initial Monitoring Performed By: _____

Follow-up Monitoring Performed By: M. ORUG

Landfill Name: Simi Valley Landfill

Initial Monitoring Event				Corrective Action within 5 Days		1st 10-Day Follow-Up			1st 30-Day Follow-Up			Comments
Grid #	Flag #	Monitoring Date	Field Reading	Repair Date	Action taken to repair Exceedance	Monitoring Date	No Exceed. <500 ppm	Exceed. >500 ppm	Monitoring Date	No Exceed. <500 ppm	Exceed. >500 ppm	
	414	7-11-23	2221.9			7-20-23	481		8-9-23	490		SIMW2217
	415	↓	4635.1			↓	377		↓	431		SIMW 2002
	416		1408.7				154			96		SIMW 2211
	417		959.6				228			301		Surface
	418		1144.8				177			115		No ID
	419		922.8				143			399		SIMW 2060
	420		1141.6				170			172		SIMW 2212
	421	↓	513.2			↓	206		↓	233		SIMW 101
69	422	7-13-23	6369.3			7-20-23	359		8-9-23	406		SIM 2043S

Blue Flag (200-499 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site: Simi Valley Landfill

Quarter / Year:	3rd QTR 2023	3rd QTR 2023	Page of Pages
Technician:	M. ORUG	M. ORUG	
Instrument:	Inspectra	Inspectra	
Calibration Standard:	500ppm	500ppm	

Initial Monitoring Event					Re-Monitoring Event – 10 Days				Comments
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	Field Reading <200 ppm	Field Reading >200 ppm	
92	B1	SIM1795D	476.4	7-10-23		7-20-23	89		SIM1795D
82	B2	SIM2061D	296.3	↓		↓	23		SIM2061D
73	B3	SIMW1779	232.7	↓		↓	123		SIMW1779

Blue Flag (200-499 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site: Simi Valley Landfill

Quarter / Year:	3rd QTR 2023				3rd QTR 2023				Page of Pages	
Technician:					MioRuA					
Instrument:	Enspectra				TVA1000					
Calibration Standard:	500 ppm				500 ppm					
Initial Monitoring Event					Re-Monitoring Event – 10 Days				Comments	
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	Field Reading <200 ppm	Field Reading >200 ppm		
	B4		250	7-11-23		7-20-23	72		Surface	
	B5		205.4	↓		↓	39		Surface	
	B6		303.3				163		SIMW2213	
	B7		205.6				122		SIMW2214	
	B8		432				38		SIMW1816	
	B9		227.7				104		Surface	
	B10		327				24		SIMW1561	
	B11		210.1	↓		↓	56		Surface	

Blue Flag (200-499 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site: Simi Valley Landfill

Quarter / Year:	3rd QTR 2023	3rd QTR 2023	Page 1 of 1 Pages
Technician:		Michael ORUE	
Instrument:	Inspectra	TVA 1000	
Calibration Standard:	500 ppm	500ppm	

Initial Monitoring Event					Re-Monitoring Event – 10 Days				Comments
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	Field Reading <200 ppm	Field Reading >200 ppm	
102	B13	Surface	468.2	7-18-23		7-26-23	181		
102	B 14	Surface	401.6				168		
102	B 15	Surface	393.2				102		
102	B 16	Surface	352.3				189		
102	B 17	Surface	274.4				134		
146	B 18	Surface	209.1	OK		↓	177		

Blue Flag (200-499 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site: SIMI VALLEY LANDFILL

Quarter / Year: 3RD QTR 2023					3rd QTR					Page 1 of 1 Pages
Technician: M. ORUE					M. ORUE					
Instrument: INSPECTRA					TVA1000					
Calibration Standard: 500PPM					500PPM					
Initial Monitoring Event					**Re-Monitoring Event – 10 Days**				**Comments**	
Grid Number	**Flag Number**	**Location**	**Field Reading (ppm)**	**Date Monitored**	**Remedial Work**	**Date Monitored**	**Field Reading <200 ppm**	**Field Reading >200 ppm**		
2023Q3_056_ISS	B153		384.7	8/2/2023		8-10-23	23		SURFACE	
2023Q3_056_ISS	B154		369.2	8/2/2023			29		SURFACE	
2023Q3_102_ISS	B155		332.5	8/2/2023			24		SURFACE	
2023Q3_099_ISS	B156		318.6	8/2/2023			40		SURFACE	
2023Q3_104_ISS	B157		301.9	8/2/2023			130		SURFACE	
2023Q3_103_ISS	B158		284.3	8/2/2023			80		SURFACE	
2023Q3_102_ISS	B159		284.2	8/2/2023			11		SURFACE	
2023Q3_104_ISS	B160		274.3	8/2/2023			189		SURFACE	
2023Q3_102_ISS	B161		258.8	8/2/2023			60		SURFACE	
2023Q3_103_ISS	B162		242.7	8/2/2023		↓	107		SURFACE	

Blue Flag (200-499 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site: SIMI VALLEY LANDFILL

Quarter / Year: 3RD QTR 2023					3rd QTR 2023					Page 1 of 9 Pages
Technician: MILKE ORUE					MIKE ORUE					
Instrument: INSPECTRA					TVA1000					
Calibration Standard: 500PPM					500PPM					
Initial Monitoring Event					**Re-Monitoring Event – 10 Days**				**Comments**	
Grid Number	**Flag Number**	**Location**	**Field Reading (ppm)**	**Date Monitored**	**Remedial Work**	**Date Monitored**	**Field Reading <200 ppm**	**Field Reading >200 ppm**		
	B258		449.5	8/4/2023		8-14-23	31		SURFACE	
	B259		330	8/4/2023			54		SURFACE	
	B260		263.6	8/4/2023			28		SURFACE	
	B261		259.9	8/4/2023			50		SURFACE	
	B262		246.9	8/4/2023			62		SURFACE	
	B263		239.9	8/4/2023			48		SURFACE	
	B264		233.5	8/4/2023			12		SURFACE	
	B265		229.4	8/4/2023			34		SURFACE	
	B266		219.8	8/4/2023			7		SURFACE	
	B267		214.5	8/4/2023			15		SURFACE	
	B268		213.8	8/4/2023			43		SURFACE	
	B269	SIMW2091	202.1	8/4/2023			77		SIMW2091	
2023Q3_182_ISS	B270		499.6	8/4/2023			85		SURFACE	
2023Q3_182_ISS	B271		499.1	8/4/2023			54		SURFACE	
2023Q3_182_ISS	B272		495.7	8/4/2023			29		SURFACE	
2023Q3_164_ISS	B273		470.6	8/4/2023			46		SURFACE	
2023Q3_164_ISS	B274		465.9	8/4/2023			14		SURFACE	
2023Q3_189_ISS	B275		458.7	8/4/2023			39		SURFACE	
2023Q3_182_ISS	B276		457	8/4/2023			16		SURFACE	
2023Q3_189_ISS	B277		452.6	8/4/2023			54		SURFACE	
2023Q3_182_ISS	B278		447.9	8/4/2023			23		SURFACE	
2023Q3_182_ISS	B279		443.6	8/4/2023		↓	78		SURFACE	

Blue Flag (200-499 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site: SIMI VALLEY LANDFILL

Quarter / Year: 3RD QTR 2023					3rd QTR 2023					Page 2 of 9 Pages
Technician: MILKE ORUE					MIKE ORUE					
Instrument: INSPECTRA					TVA1000					
Calibration Standard: 500PPM					500PPM					
Initial Monitoring Event					**Re-Monitoring Event – 10 Days**				**Comments**	
Grid Number	**Flag Number**	**Location**	**Field Reading (ppm)**	**Date Monitored**	**Remedial Work**	**Date Monitored**	**Field Reading <200 ppm**	**Field Reading >200 ppm**		
2023Q3_182_ISS	B280		443.3	8/4/2023		8-14-23	34		SURFACE	
2023Q3_182_ISS	B281		438.2	8/4/2023			17		SURFACE	
2023Q3_182_ISS	B282		435.6	8/4/2023			57		SURFACE	
2023Q3_189_ISS	B283		433.5	8/4/2023			55		SURFACE	
2023Q3_182_ISS	B284		432.5	8/4/2023			20		SURFACE	
2023Q3_182_ISS	B285		432	8/4/2023			29		SURFACE	
2023Q3_182_ISS	B286		426.4	8/4/2023			14		SURFACE	
2023Q3_189_ISS	B287		424.5	8/4/2023			50		SURFACE	
2023Q3_182_ISS	B288		419.5	8/4/2023			25		SURFACE	
2023Q3_189_ISS	B289		416	8/4/2023			53		SURFACE	
2023Q3_164_ISS	B290		413.7	8/4/2023			30		SURFACE	
2023Q3_181_ISS	B291		413.7	8/4/2023			19		SURFACE	
2023Q3_188_ISS	B292		412.4	8/4/2023			21		SURFACE	
2023Q3_188_ISS	B293		408.4	8/4/2023			60		SURFACE	
2023Q3_160_ISS	B294		404.7	8/4/2023			41		SURFACE	
2023Q3_189_ISS	B295		404.4	8/4/2023			29		SURFACE	
2023Q3_164_ISS	B296		389.1	8/4/2023			50		SURFACE	
2023Q3_182_ISS	B297		388.7	8/4/2023			63		SURFACE	
2023Q3_189_ISS	B298		383.9	8/4/2023			32		SURFACE	
2023Q3_182_ISS	B299		382.9	8/4/2023			18		SURFACE	
2023Q3_189_ISS	B300		381.9	8/4/2023			9		SURFACE	
2023Q3_189_ISS	B301		381.7	8/4/2023		↓	26		SURFACE	

Blue Flag (200-499 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site: SIMI VALLEY LANDFILL

Quarter / Year: 3RD QTR 2023					3rd QTR 2023				Page 3 of 9 Pages
Technician: MILKE ORUE					MIKE ORUE				
Instrument: INSPECTRA					TVA1000				
Calibration Standard: 500PPM					500PPM				
Initial Monitoring Event					**Re-Monitoring Event – 10 Days**				**Comments**
Grid Number	**Flag Number**	**Location**	**Field Reading (ppm)**	**Date Monitored**	**Remedial Work**	**Date Monitored**	**Field Reading <200 ppm**	**Field Reading >200 ppm**	
2023Q3_160_ISS	B302		373.4	8/4/2023		8-14-23	45		SURFACE
2023Q3_182_ISS	B303		372.8	8/4/2023			19		SURFACE
2023Q3_182_ISS	B304		372.4	8/4/2023			17		SURFACE
2023Q3_189_ISS	B305		370.8	8/4/2023			33		SURFACE
2023Q3_182_ISS	B306		368.6	8/4/2023			21		SURFACE
2023Q3_160_ISS	B307		365.6	8/4/2023			8		SURFACE
2023Q3_160_ISS	B308		363.5	8/4/2023			25		SURFACE
2023Q3_182_ISS	B309		361.8	8/4/2023			18		SURFACE
2023Q3_182_ISS	B310		359.4	8/4/2023			63		SURFACE
2023Q3_182_ISS	B311		354	8/4/2023			33		SURFACE
2023Q3_182_ISS	B312		351.3	8/4/2023			71		SURFACE
2023Q3_182_ISS	B313		347.9	8/4/2023			52		SURFACE
2023Q3_189_ISS	B314		347	8/4/2023			29		SURFACE
2023Q3_164_ISS	B315		344.4	8/4/2023			73		SURFACE
2023Q3_164_ISS	B316		343.4	8/4/2023			76		SURFACE
2023Q3_164_ISS	B317		334.5	8/4/2023			15		SURFACE
2023Q3_182_ISS	B318		333.2	8/4/2023			49		SURFACE
2023Q3_182_ISS	B319		332.7	8/4/2023			43		SURFACE
2023Q3_182_ISS	B320		330.7	8/4/2023			25		SURFACE
2023Q3_182_ISS	B321		330.4	8/4/2023			51		SURFACE
2023Q3_182_ISS	B322		329.1	8/4/2023			69		SURFACE
2023Q3_189_ISS	B323		322.8	8/4/2023		✓	68		SURFACE

Blue Flag (200-499 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site: SIMI VALLEY LANDFILL

Quarter / Year: 3RD QTR 2023					3rd QTR 2023					Page 4 of 9 Pages
Technician: MILKE ORUE					MIKE ORUE					
Instrument: INSPECTRA					TVA1000					
Calibration Standard: 500PPM					500PPM					
Initial Monitoring Event					**Re-Monitoring Event – 10 Days**				**Comments**	
Grid Number	**Flag Number**	**Location**	**Field Reading (ppm)**	**Date Monitored**	**Remedial Work**	**Date Monitored**	**Field Reading <200 ppm**	**Field Reading >200 ppm**		
2023Q3_182_ISS	B324		319.5	8/4/2023		8-14-23	50		SURFACE	
2023Q3_164_ISS	B325		319.3	8/4/2023			84		SURFACE	
2023Q3_183_ISS	B326		314.9	8/4/2023			23		SURFACE	
2023Q3_189_ISS	B327		314.2	8/4/2023			14		SURFACE	
2023Q3_182_ISS	B328		312	8/4/2023			78		SURFACE	
2023Q3_182_ISS	B329		308.9	8/4/2023			60		SURFACE	
2023Q3_188_ISS	B330		307.1	8/4/2023			54		SURFACE	
2023Q3_164_ISS	B331		305.9	8/4/2023			6		SURFACE	
2023Q3_182_ISS	B332		305.8	8/4/2023			7		SURFACE	
2023Q3_182_ISS	B333		305.7	8/4/2023			14		SURFACE	
2023Q3_164_ISS	B334		301.8	8/4/2023			26		SURFACE	
2023Q3_183_ISS	B335		300.8	8/4/2023			45		SURFACE	
2023Q3_182_ISS	B336		300.4	8/4/2023			10		SURFACE	
2023Q3_188_ISS	B337		300.2	8/4/2023			32		SURFACE	
2023Q3_160_ISS	B338		299.5	8/4/2023			29		SURFACE	
2023Q3_188_ISS	B339		298.9	8/4/2023			41		SURFACE	
2023Q3_164_ISS	B340		297.7	8/4/2023			65		SURFACE	
2023Q3_189_ISS	B341		295.9	8/4/2023			11		SURFACE	
2023Q3_182_ISS	B342		292.1	8/4/2023			7		SURFACE	
2023Q3_189_ISS	B343		289.4	8/4/2023			27		SURFACE	
2023Q3_183_ISS	B344		285.1	8/4/2023			15		SURFACE	
2023Q3_188_ISS	B345		281.2	8/4/2023			18		SURFACE	

Blue Flag (200-499 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site: SIMI VALLEY LANDFILL

Quarter / Year: 3RD QTR 2023					3rd QTR 2023				Page 5 of 9 Pages
Technician: MILKE ORUE					MIKE ORUE				
Instrument: INSPECTRA					TVA1000				
Calibration Standard: 500PPM					500PPM				
Initial Monitoring Event					**Re-Monitoring Event – 10 Days**				**Comments**
Grid Number	**Flag Number**	**Location**	**Field Reading (ppm)**	**Date Monitored**	**Remedial Work**	**Date Monitored**	**Field Reading <200 ppm**	**Field Reading >200 ppm**	
2023Q3_183_ISS	B346		278.5	8/4/2023		8-14-23	49		SURFACE
2023Q3_164_ISS	B347		276.8	8/4/2023			58		SURFACE
2023Q3_189_ISS	B348		276.6	8/4/2023			43		SURFACE
2023Q3_182_ISS	B349		276.2	8/4/2023			21		SURFACE
2023Q3_164_ISS	B350		275.8	8/4/2023			39		SURFACE
2023Q3_164_ISS	B351		275.4	8/4/2023			42		SURFACE
2023Q3_182_ISS	B352		275	8/4/2023			79		SURFACE
2023Q3_164_ISS	B353		274.5	8/4/2023			17		SURFACE
2023Q3_182_ISS	B354		273.3	8/4/2023			54		SURFACE
2023Q3_189_ISS	B355		268.5	8/4/2023			17		SURFACE
2023Q3_188_ISS	B356		267.4	8/4/2023			21		SURFACE
2023Q3_182_ISS	B357		266.9	8/4/2023			25		SURFACE
2023Q3_189_ISS	B358		264.3	8/4/2023			19		SURFACE
2023Q3_182_ISS	B359		264.1	8/4/2023			9		SURFACE
2023Q3_183_ISS	B360		263.4	8/4/2023			37		SURFACE
2023Q3_189_ISS	B361		261.7	8/4/2023			24		SURFACE
2023Q3_182_ISS	B362		261.2	8/4/2023			14		SURFACE
2023Q3_189_ISS	B363		261	8/4/2023			39		SURFACE
2023Q3_183_ISS	B364		260.4	8/4/2023			51		SURFACE
2023Q3_164_ISS	B365		259.9	8/4/2023			45		SURFACE
2023Q3_183_ISS	B366		252.2	8/4/2023			15		SURFACE
2023Q3_182_ISS	B367		251.8	8/4/2023			44		SURFACE

Blue Flag (200-499 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site: SIMI VALLEY LANDFILL

Quarter / Year: 3RD QTR 2023					3rd QTR 2023					Page 6 of 9 Pages
Technician: MILKE ORUE					MIKE ORUE					
Instrument: INSPECTRA					TVA1000					
Calibration Standard: 500PPM					500PPM					
Initial Monitoring Event					**Re-Monitoring Event – 10 Days**				**Comments**	
Grid Number	**Flag Number**	**Location**	**Field Reading (ppm)**	**Date Monitored**	**Remedial Work**	**Date Monitored**	**Field Reading <200 ppm**	**Field Reading >200 ppm**		
2023Q3_164_ISS	B368		250.3	8/4/2023		8/11-23	58		SURFACE	
2023Q3_189_ISS	B369		247.7	8/4/2023			11		SURFACE	
2023Q3_164_ISS	B370		247.4	8/4/2023			68		SURFACE	
2023Q3_158_ISS	B371		245	8/4/2023			40		SURFACE	
2023Q3_189_ISS	B372		243.6	8/4/2023			26		SURFACE	
2023Q3_182_ISS	B373		241.9	8/4/2023			52		SURFACE	
2023Q3_182_ISS	B374		241.2	8/4/2023			7		SURFACE	
2023Q3_189_ISS	B375		239.1	8/4/2023			17		SURFACE	
2023Q3_182_ISS	B376		238.9	8/4/2023			83		SURFACE	
2023Q3_183_ISS	B377		238.9	8/4/2023			56		SURFACE	
2023Q3_189_ISS	B378		238.8	8/4/2023			74		SURFACE	
2023Q3_182_ISS	B379		238.6	8/4/2023			31		SURFACE	
2023Q3_189_ISS	B380		238.3	8/4/2023			60		SURFACE	
2023Q3_183_ISS	B381		237.6	8/4/2023			8		SURFACE	
2023Q3_182_ISS	B382		236.7	8/4/2023			62		SURFACE	
2023Q3_189_ISS	B383		236.7	8/4/2023			50		SURFACE	
2023Q3_183_ISS	B384		236	8/4/2023			33		SURFACE	
2023Q3_182_ISS	B385		235.6	8/4/2023			42		SURFACE	
2023Q3_189_ISS	B386		234.9	8/4/2023			36		SURFACE	
2023Q3_158_ISS	B387		234.8	8/4/2023			14		SURFACE	
2023Q3_182_ISS	B388		234.7	8/4/2023			46		SURFACE	
2023Q3_182_ISS	B389		234.3	8/4/2023		↓	80		SURFACE	

Blue Flag (200-499 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site: SIMI VALLEY LANDFILL

Quarter / Year: 3RD QTR 2023				3rd QTR 2023					Page 7 of 9 Pages
Technician: MILKE ORUE				MIKE ORUE					
Instrument: INSPECTRA				TVA 1000					
Calibration Standard: 500PPM				500 PPM					
Initial Monitoring Event					**Re-Monitoring Event – 10 Days**				**Comments**
Grid Number	**Flag Number**	**Location**	**Field Reading (ppm)**	**Date Monitored**	**Remedial Work**	**Date Monitored**	**Field Reading <200 ppm**	**Field Reading >200 ppm**	
2023Q3_189_ISS	B390		234.1	8/4/2023		8-14-23	78		SURFACE
2023Q3_183_ISS	B391		232.5	8/4/2023			22		SURFACE
2023Q3_189_ISS	B392		228.4	8/4/2023			34		SURFACE
2023Q3_181_ISS	B393		228.3	8/4/2023			10		SURFACE
2023Q3_161_ISS	B394		228.2	8/4/2023			69		SURFACE
2023Q3_182_ISS	B395		227.6	8/4/2023			25		SURFACE
2023Q3_183_ISS	B396		226.8	8/4/2023			18		SURFACE
2023Q3_183_ISS	B397		225.8	8/4/2023			23		SURFACE
2023Q3_189_ISS	B398		225.7	8/4/2023			77		SURFACE
2023Q3_189_ISS	B399		225.2	8/4/2023			48		SURFACE
2023Q3_182_ISS	B400		223.3	8/4/2023			69		SURFACE
2023Q3_189_ISS	B401		222.7	8/4/2023			30		SURFACE
2023Q3_164_ISS	B402		220.8	8/4/2023			75		SURFACE
2023Q3_181_ISS	B403		220.5	8/4/2023			29		SURFACE
2023Q3_181_ISS	B404		220.4	8/4/2023			52		SURFACE
2023Q3_188_ISS	B405		220.3	8/4/2023			10		SURFACE
2023Q3_164_ISS	B406		219.5	8/4/2023			36		SURFACE
2023Q3_158_ISS	B407		219.1	8/4/2023			55		SURFACE
2023Q3_183_ISS	B408		217.6	8/4/2023			61		SURFACE
2023Q3_164_ISS	B409		217.3	8/4/2023			41		SURFACE
2023Q3_183_ISS	B410		217.3	8/4/2023			43		SURFACE
2023Q3_189_ISS	B411		216.3	8/4/2023			51		SURFACE

Blue Flag (200-499 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site: SIMI VALLEY LANDFILL

Quarter / Year: 3RD QTR 2023					3rd QTR 2023				Page 8 of 9 Pages
Technician: MILKE ORUE					MIKE ORUE				
Instrument: INSPECTRA					TVA1000				
Calibration Standard: 500PPM					500PPM				
Initial Monitoring Event					**Re-Monitoring Event – 10 Days**				**Comments**
Grid Number	**Flag Number**	**Location**	**Field Reading (ppm)**	**Date Monitored**	**Remedial Work**	**Date Monitored**	**Field Reading <200 ppm**	**Field Reading >200 ppm**	
2023Q3_183_ISS	B412		214.9	8/4/2023		8-14-23	49		SURFACE
2023Q3_181_ISS	B413		214.7	8/4/2023			19		SURFACE
2023Q3_182_ISS	B414		214.4	8/4/2023			36		SURFACE
2023Q3_183_ISS	B415		214	8/4/2023			11		SURFACE
2023Q3_160_ISS	B416		213.5	8/4/2023			20		SURFACE
2023Q3_164_ISS	B417		212.3	8/4/2023			16		SURFACE
2023Q3_189_ISS	B418		211.7	8/4/2023			72		SURFACE
2023Q3_157_ISS	B419		211.2	8/4/2023			44		SURFACE
2023Q3_181_ISS	B420		211.2	8/4/2023			78		SURFACE
2023Q3_164_ISS	B421		210.7	8/4/2023			12		SURFACE
2023Q3_189_ISS	B422		210	8/4/2023			28		SURFACE
2023Q3_189_ISS	B423		208.3	8/4/2023			37		SURFACE
2023Q3_157_ISS	B424		207.6	8/4/2023			49		SURFACE
2023Q3_164_ISS	B425		205.2	8/4/2023			15		SURFACE
2023Q3_181_ISS	B426		204.6	8/4/2023			43		SURFACE
2023Q3_157_ISS	B427		204.5	8/4/2023			10		SURFACE
2023Q3_183_ISS	B428		204.5	8/4/2023			39		SURFACE
2023Q3_188_ISS	B429		203.6	8/4/2023			9		SURFACE
2023Q3_182_ISS	B430		202.8	8/4/2023			73		SURFACE
2023Q3_157_ISS	B431		202.4	8/4/2023			20		SURFACE
2023Q3_189_ISS	B432		202.3	8/4/2023			30		SURFACE
2023Q3_157_ISS	B433		202.1	8/4/2023			16		SURFACE

Blue Flag (200-499 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site: SIMI VALLEY LANDFILL

Quarter / Year: 3RD QTR 2023					3rd QTR 2023				Page 9 of 9 Pages
Technician: MILKE ORUE					michael ORUE				
Instrument: INSPECTRA					TVA1000				
Calibration Standard: 500PPM					500 PPM				
Initial Monitoring Event					**Re-Monitoring Event – 10 Days**				**Comments**
Grid Number	**Flag Number**	**Location**	**Field Reading (ppm)**	**Date Monitored**	**Remedial Work**	**Date Monitored**	**Field Reading <200 ppm**	**Field Reading >200 ppm**	
2023Q3_181_ISS	B434		202.1	8/4/2023		8-14-23	73		SURFACE

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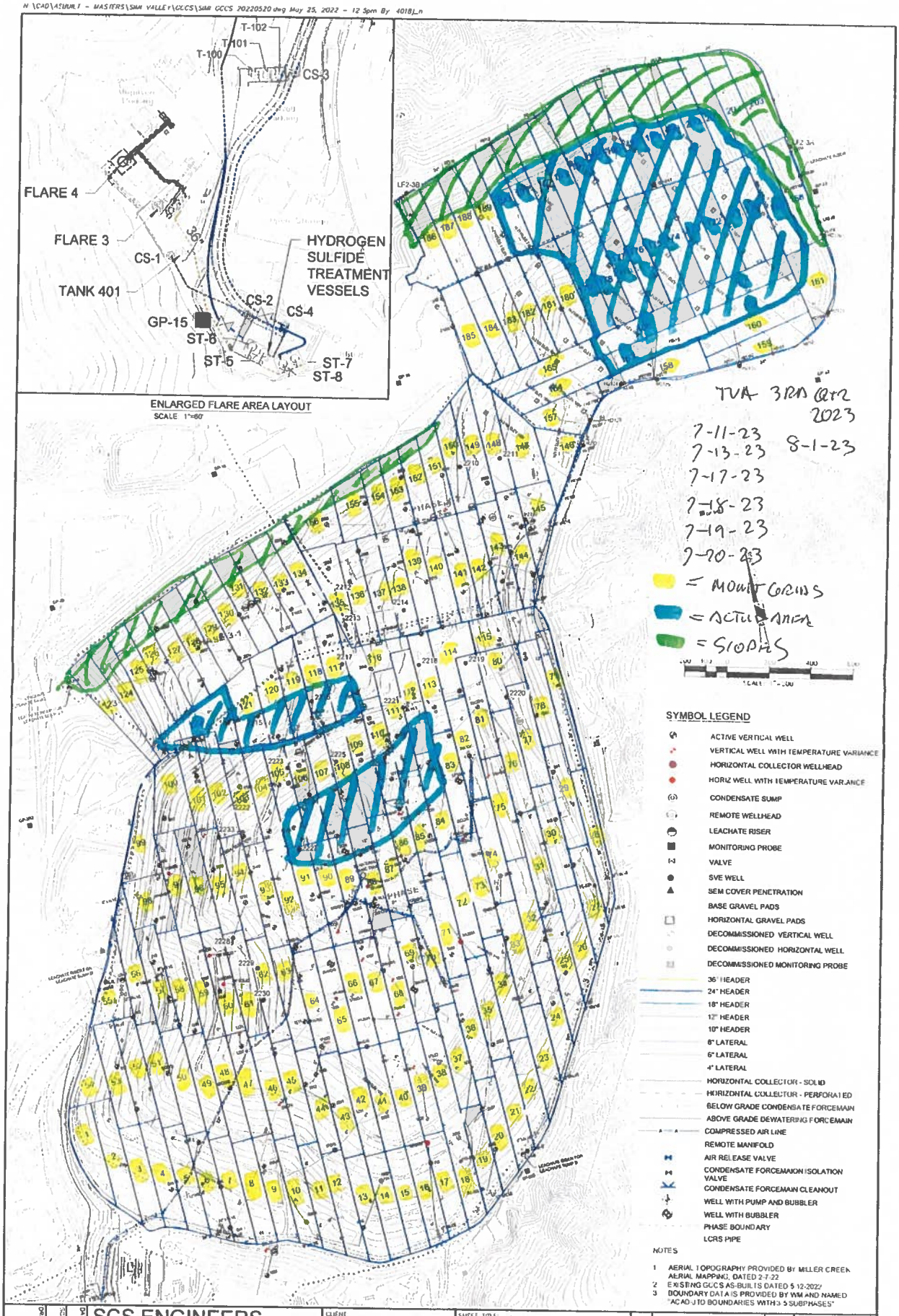
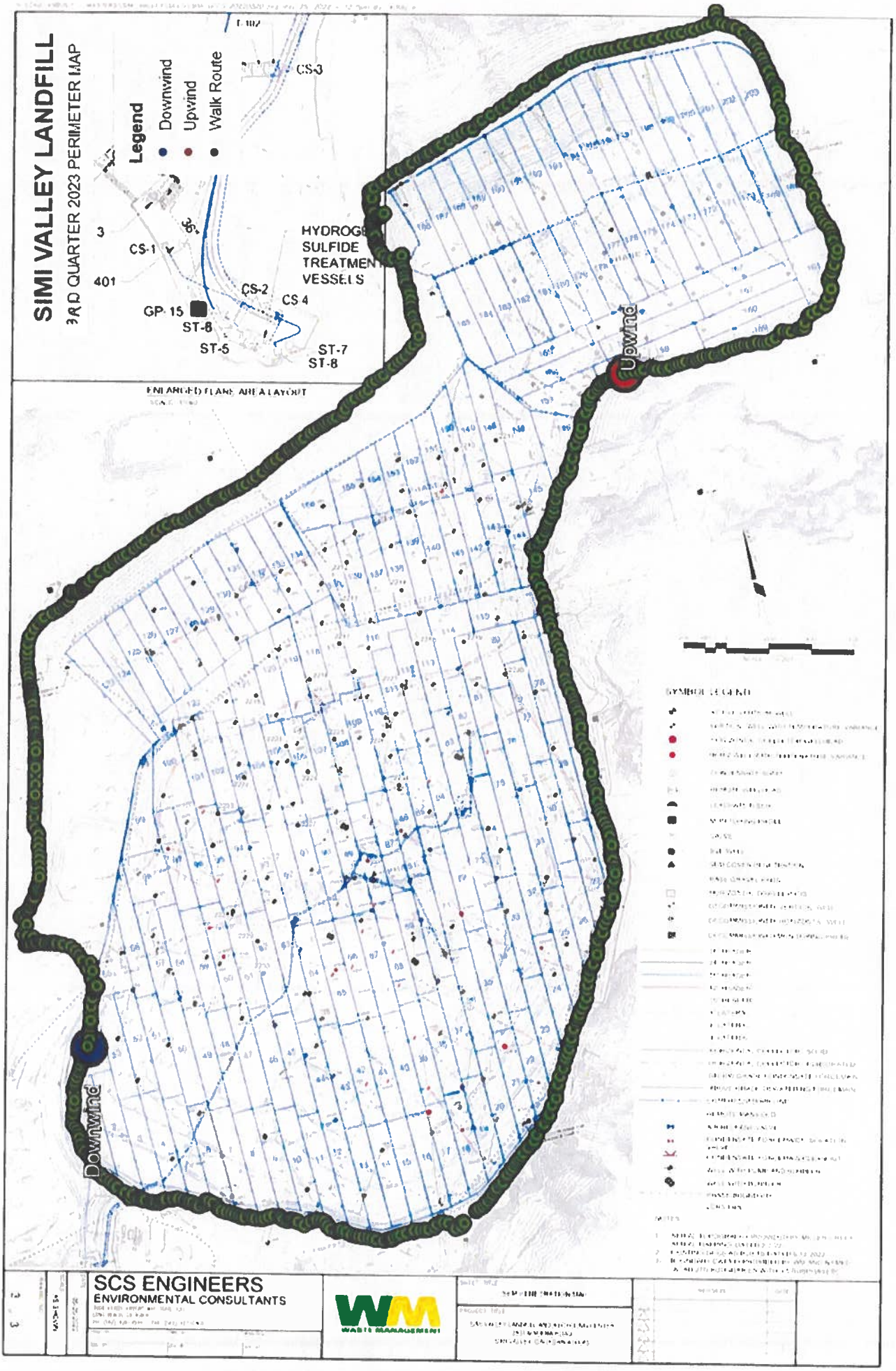


3 of 3	DRAWING NO	AS SHOWN	05-25-2022	SCS ENGINEERS ENVIRONMENTAL CONSULTANTS 3900 KILROY AIRPORT WAY, SUITE 100 LONG BEACH, CA 90806 PH (562) 426-9544 FAX (562) 427-0805	WASTE MANAGEMENT	SEM PENETRATION MAP SIMI VALLEY LANDFILL AND RECYCLING CENTER 2801 MADERA ROAD SIMI VALLEY, CALIFORNIA 93065	NO / REVISION / DATE


SIMI VALLEY LANDFILL
3RD QUARTER 2023 PERIMETER MAP
Legend
Downwind
Upwind
Walk Route
CS-3
CS-1
CS-2
CS 4
GP-15
ST-6
ST-5
ST-7
ST-8
HYDROGEN SULFIDE TREATMENT VESSELS
ENLARGED FLARE AREA LAYOUT
Upwind
Downwind
SCS ENGINEERS
ENVIRONMENTAL CONSULTANTS
WASTE MANAGEMENT

Attachment B

Integrated Surface Emission Monitoring Event Records

SIMI VALLEY LANDFILL
INTEGRATED LANDFILL SURFACE MONITORING

Personnel: M. ORUE, J. medina, A. Lopez, G. Robles, C. Hughes

Cal. Gas Exp. Date: 8/25

Date: 8-1-23 Instrument Used: INSpectra Grid Spacing: 25FT

Temperature: 90° Precip: 0 Upwind BG: 1.9 Downwind BG: 2.3

GRID ID	STAFF INITIALS	START TIME	STOP TIME	TOC PPM		WIND INFORMATION			REMARKS
						AVG SPEED	MAX. SPEED	DIRECTION 16 POINT	
17	MO	0847	0912	1.43		2	5	12	
18	MO	0912	0937	1.50		1	2	13	
19	MO	0938	1003	1.64		2	3	7	
20	MO	1004	1029	1.92		4	6	6	
28	MO	1111	1136	2.24		6	8	10	
79	MO	1136	1201	3.07		4	7	6	
9	AL	0835	0900	3.42		4	7	12	
10	AL	0901	0923	3.79		2	3	11	
11	AL	0925	0947	3.30		2	4	11	
12	AL	0949	1010	4.61		3	5	6	
27	AL	1111	1136	4.75		6	6	10	
29	AL	1137	1157	2.32		5	9	7	
1	CH	0830	0850	4.00		5	7	12	
2	CH	0855	0915	2.41		2	5	12	
3	CH	0920	0940	1.23		1	2	13	
4	CH	0945	1005	1.31		2	3	7	
21	CH	1100	1125	2.13		6	9	6	
22	CH	1130	1150	2.67		5	7	7	
5	JM	0838	0903	2.87		4	7	12	
6	JM	0906	0931	2.79		1	2	13	
7	JM	0937	1002	2.54		2	3	7	
8	JM	1004	1029	2.97		4	6	6	
23	JM	1104	1129	3.18		6	9	6	
24	JM	1130	1155	2.84		5	9	7	
13	GR	0843	0908	4.70		4	5	12	
14	GR	0910	0935	3.56		1	2	13	
15	GR	0953	1018	4.46		3	5	6	
16	GR	1019	1044	4.66		4	6	6	
25	GR	1109	1134	2.57		6	8	10	
26	GR	1135	1200	2.84		4	7	6	

Attach Calibration Sheet
Attach site map showing grid ID

SIMI VALLEY LANDFILL
INTEGRATED LANDFILL SURFACE MONITORING

Personnel: M. ORUE, C. Hughes, A. Lopez, G. Robles, J. Medina

Cal. Gas Exp. Date: 5/25

Date: 8-2-23 Instrument Used: INSPECTRA Grid Spacing: 25ft

Temperature: 96° Precip: 0 Upwind BG: 2.0 Downwind BG: 2.3

GRID ID	STAFF INITIALS	START TIME	STOP TIME	TOC PPM		WIND INFORMATION			REMARKS
						AVG SPEED	MAX. SPEED	DIRECTION 16 POINT	
44	MO	0731	0751	25.07		2	7	11	
43	MO	0752	0812	14.18		4	7	12	
42	MO	0813	0834	10.64		4	6	12	
41	MO	0835	0848	7.6		3	7	12	Heavy Equipment
40	MO	0849	0902	5.33		4	6	12	Heavy Equipment
104	MO	1009	1029	18.16		3	4	12	
105	MO	1033	1051	9.41		0	0	14	Active Dumping
106	MO	1053	1105	8.18		0	0	14	
107	MO	1107	1118	6.07		0	0	10	
108	MO	1120	1129	6.46		1	1	8	
109	MO	1131	1140	6.63		0	0	8	
34	AL	0735	0755	22.40		2	7	11	STEEP SLOPE
33	AL	0758	0818	9.90		4	7	12	
32	AL	0820	0843	10.36		4	6	12	
31	AL	0845	0910	6.97		3	5	12	
30	AL	0912	0937	4.82		4	6	11	
93	AL	1009	1034	3.75		1	2	12	
63	AL	1037	1057	5.75		0	0	2	STEEP SLOPE
62	AL	1058	1118	4.50		0	0	10	
61	AL	1119	1139	4.23		0	0	6	
60	AL	1140	1200	6.30		1	1	6	
49	JM	0750	0815	11.07		4	7	12	
48	JM	0722	0747	13.73		4	6	12	
47	JM	0820	0845	7.11		3	7	12	
46	JM	0850	0915	5.71		3	5	12	
45	JM	0920	0945	5.91		2	3	11	
103	JM	1010	1035	15.07		3	4	12	
102	JM	1036	1101	9.96		0	0	14	
101	JM	1105	1125	4.25		1	1	8	
100	JM	1129	1149	5.21		2	2	8	Heavy equipment

Attach Calibration Sheet
Attach site map showing grid ID

SIMI VALLEY LANDFILL
INTEGRATED LANDFILL SURFACE MONITORING

Personnel: M. ORUG, C. Hughes, A. Lopez, G. Robles, J. Medina

Cal. Gas Exp. Date: 5/25

Date: 8-2-23 Instrument Used: IWSpectra Grid Spacing: 25ft

Temperature: 90° Precip: 0 Upwind BG: 2.0 Downwind BG: 2.3

GRID ID	STAFF INITIALS	START TIME	STOP TIME	TOC PPM	ROTO-MTR, CC/MIN	WIND INFORMATION			REMARKS
						AVG SPEED	MAX. SPEED	DIRECTION 16 POINT	
99	JM	1150	1205	15.72		1	1	6	DIRT PILES
54	CH	0720	0740	11.07		4	6	12	Road / STEEP SLOPE
53	CH	0745	0805	8.15		4	6	12	
52	CH	0810	0830	7.52		4	6	12	
51	CH	0835	0850	5.57		3	7	12	
50	CH	0855	0915	5.40		3	5	12	
55	CH	0940	1000	6.46		3	5	11	
56	CH	1050	1115	7.16		0	0	10	
57	CH	1120	1140	2.40		0	0	8	
58	CH	1140	1200	3.19		1	1	6	
59	CH	1200	1225	6.04		2	2	8	
39	GR	0733	0758	17.94		4	6	12	
38	GR	0759	0824	9.20		4	6	13	
37	GR	0826	0851	6.25		3	7	12	
36	GR	0852	0917	6.47		3	5	12	
35	GR	0918	0943	5.60		2	3	11	
94	GR	1012	1037	4.66		1	2	12	
95	GR	1039	1104	4.36		0	0	14	
96	GR	1106	1131	4.47		1	1	8	
97	GR	1132	1157	6.47		1	1	6	
98	GR	1201	1226	6.42		2	2	8	Vegetation

Attach Calibration Sheet
Attach site map showing grid ID

SIMI VALLEY LANDFILL
INTEGRATED LANDFILL SURFACE MONITORING

Personnel: M, ORtiz — J. medina — ______
A, Lopez — C, Hughes — ______
G, Robles — ______ Cal. Gas Exp. Date: 5/25

Date: 8-3-23 Instrument Used: INSpectra Grid Spacing: 25 ft

Temperature: 86° Precip: 0 Upwind BG: 1.6 Downwind BG: 2.6

GRID ID	STAFF INITIALS	START TIME	STOP TIME	TOC PPM		WIND INFORMATION			REMARKS
						AVG SPEED	MAX. SPEED	DIRECTION 16 POINT	
140	MO	0723	0743	47.32		2	7	12	Concrete/Asphalt
139	MO	0745	0800	67.90		2	4	10	STEEP Slope
138	MO	0802	0819	83.96		2	5	10	concrete/STEEP Slope
137	MO	0823	0841	66.54		4	6	10	STEEP Slope
136	MO	0843	0853	122.19		3	5	10	Concrete/STEEP Slope
135	MO	0855	0910	41.40		4	6	10	Concrete/STEEP Slope
125	MO	0959	1009	14.11		4	9	10	STEEP Slope/Vegetation
124	MO	1013	1026	10.60		4	7	10	STEEP Slope/vegetation
123	MO	1028	1037	24.61		5	10	11	STEEP Slope/vegetation
83	AL	0723	0743	19.19		2	7	12	Heavy Equipment/TRASH
82	AL	0743	0803	37.36		2	4	10	STEEP Slope
81	AL	0804	0829	26.54		4	6	10	
80	AL	0830	0850	43.22		3	5	10	STEEP Slope
78	AL	0851	0911	11.79		4	6	10	STEEP Slope
150	AL	0946	1006	16.73		4	9	10	STEEP Slope/vegetation
151	AL	1006	1026	30.80		4	7	10	STEEP Slope/vegetation
152	AL	1027	1047	12.39		4	7	10	STEEP Slope
153	AL	1048	1108	16.60		4	6	10	STEEP Slope
154	AL	1108	1128	11.85		5	8	10	STEEP Slope
73	GR	0724	0739	6.96		4	6	13	Stock Pile
74	GR	0741	0801	12.28		2	4	10	Heavy Equipment
75	GR	0802	0827	18.79		4	6	10	
76	GR	0830	0845	32.03		4	6	10	TRAFFIC
77	GR	0847	0907	14.20		4	6	10	TRAFFIC
156	GR	0955	1004	3.48		4	9	10	STEEP Slope
134	GR	1006	1016	8.51		4	6	10	loose footing
133	GR	1017	1028	10.61		4	7	10	loose footing
132	GR	1029	1039	8.93		5	10	11	STEEP Slopes
131	GR	1040	1050	6.52		4	7	10	STEEP Slopes
110	JM	0730	0755	24.19		4	6	10	

Attach Calibration Sheet
Attach site map showing grid ID

Page 1 of 2

SIMI VALLEY LANDFILL
INTEGRATED LANDFILL SURFACE MONITORING

Personnel: M. ORUE, J. Medina, A. LOPEZ, C. Hughes, G. ROBLES

Cal. Gas Exp. Date: 5/25

Date: 8-3-23 Instrument Used: Inspectra Grid Spacing: 25ft

Temperature: 86° Precip: 0 Upwind BG: 1.6 Downwind BG: 2.6

GRID ID	STAFF INITIALS	START TIME	STOP TIME	TOC PPM	ROTO-MTR, CC/MIN	WIND INFORMATION			REMARKS
						AVG SPEED	MAX. SPEED	DIRECTION 16 POINT	
111	JM	0757	0822	21.88		2	4	10	
112	JM	0828	0852	33.96		3	5	10	
113	JM	0855	0915	18.65		4	6	10	
114	JM	0916	0931	13.54		4	6	10	TRAFFIC
130	JM	1009	1019	6.84		4	7	10	STEEP SLOPES / ACTIVE
129	JM	1020	1030	7.97		5	10	11	STEEP SLOPE / ACTIVE
128	JM	1039	1049	16.46		4	7	10	STEEP SLOPE / ACTIVE
127	JM	1050	1100	16.83		6	8	11	STEEP SLOPE / ACTIVE
126	JM	1101	1111	22.77		4	6	10	STEEP SLOPE / ACTIVE
115	CH	0720	0740	12.20		2	7	12	Haul Road
141	CH	0745	0805	26.66		2	4	10	
142	CH	0805	0825	67.00		4	6	10	
143	CH	0830	0850	32.07		3	5	10	
144	CH	0855	0910	24.61		4	6	10	Haul Road
145	CH	0940	0953	12.10		4	9	10	Haul Road
146	CH	1000	1015	43.95		4	9	10	Haul Road
147	CH	1020	1040	50.19		5	10	11	
148	CH	1045	1105	26.86		4	6	10	
149	CH	1110	1130	16.10		5	8	10	

Attach Calibration Sheet
Attach site map showing grid ID

SIMI VALLEY LANDFILL
INTEGRATED LANDFILL SURFACE MONITORING

Personnel: M. MORUE, J. medina, A. Lopez, C. Hughes, G. ROBLES

Cal. Gas Exp. Date: 5/25

Date: 8-3-23 Instrument Used: INSpectra Grid Spacing: 25ft

Temperature: 86° Precip: 0 Upwind BG: 1.6 Downwind BG: 2.6

GRID ID	STAFF INITIALS	START TIME	STOP TIME	TOC PPM		WIND INFORMATION			REMARKS
						AVG SPEED	MAX. SPEED	DIRECTION 16 POINT	
140	MO	0723	0743	47.32		2	7	12	Concrete/Asphalt
139	MO	0745	0800	67.90		2	4	10	STEEP Slope
138	MO	0802	0819	83.96		2	5	10	concrete/STEEP Slope
137	MO	0823	0841	166.54		4	6	10	STEEP Slope
136	MO	0843	0853	122.19		3	5	10	Concrete/STEEP Slope
135	MO	0855	0910	41.40		4	6	10	Concrete/STEEP Slope
125	MO	0959	1009	14.11		4	9	10	STEEP Slope/vegetation
124	MO	1013	1026	10.60		4	7	10	STEEP Slope/vegetation
123	MO	1028	1037	24.61		5	10	11	STEEP Slope/vegetation
83	AL	0723	0743	19.19		2	7	12	Heavy Equipment/TRASH
82	AL	0743	0803	37.36		2	4	10	STEEP Slope
81	AL	0804	0829	26.54		4	6	10	
80	AL	0830	0850	43.22		3	5	10	STEEP Slope
78	AL	0851	0911	11.79		4	6	10	STEEP Slope
150	AL	0946	1006	16.73		4	9	10	STEEP Slope/vegetation
151	AL	1006	1026	30.80		4	7	10	STEEP Slope/vegetation
152	AL	1027	1047	12.39		4	7	10	STEEP Slope
153	AL	1048	1108	16.60		4	6	10	STEEP Slope
154	AL	1108	1128	11.85		5	8	10	STEEP Slope
73	GR	0724	0739	6.96		4	6	13	Stock Pile
74	GR	0741	0801	12.28		2	4	10	Heavy Equipment
75	GR	0802	0827	18.79		4	6	10	
76	GR	0830	0845	32.03		4	6	10	TRAFFIC
77	GR	0847	0907	14.20		4	6	10	TRAFFIC
156	GR	0955	1004	3.48		4	9	10	STEEP Slope
134	GR	1006	1016	8.51		4	6	10	loose footing
133	GR	1017	1028	10.61		4	7	10	loose footing
132	GR	1029	1039	8.93		5	10	11	STEEP Slopes
131	GR	1040	1050	6.52		4	7	10	STEEP Slopes
110	JM	0730	0755	24.19		4	6	10	

Attach Calibration Sheet
Attach site map showing grid ID

SIMI VALLEY LANDFILL
INTEGRATED LANDFILL SURFACE MONITORING

Personnel: M. ORUE, J. Medina, A. LOPEZ, C. Hughes, G. ROBLES

Cal. Gas Exp. Date: 5/25

Date: 8-3-23 Instrument Used: INSpectra Grid Spacing: 25ft

Temperature: 86° Precip: 0 Upwind BG: 1.6 Downwind BG: 2.6

GRID ID	STAFF INITIALS	START TIME	STOP TIME	TOC PPM	ROTO-MTR, CC/MIN	WIND INFORMATION			REMARKS
						AVG SPEED	MAX. SPEED	DIRECTION 16 POINT	
111	JM	0757	0822	21.88		2	4	10	
112	JM	0828	0852	33.96		3	5	10	
113	JM	0855	0915	18.65		4	6	10	
114	JM	0916	0931	13.54		4	6	10	TRAFFIC
130	JM	1009	1019	6.84		4	7	10	STEEP SLOPES / ACTIVE
129	JM	1020	1030	7.97		5	10	11	STEEP SLOPE / ACTIVE
128	JM	1039	1049	16.46		4	7	10	STEEP SLOPE / ACTIVE
127	JM	1050	1100	16.83		6	8	11	STEEP SLOPE / ACTIVE
126	JM	1101	1111	22.77		4	6	10	STEEP SLOPE / ACTIVE
115	CH	0720	0740	12.20		2	7	12	Haul Road
141	CH	0745	0805	26.68		2	4	10	
142	CH	0805	0825	67.00		4	6	10	
143	CH	0830	0850	32.07		3	5	10	
144	CH	0855	0910	24.61		4	6	10	Haul Road
145	CH	0940	0953	12.10		4	9	10	Haul Road
146	CH	1000	1015	43.95		4	9	10	Haul Road
147	CH	1020	1040	50.19		5	10	11	
148	CH	1045	1105	26.86		4	6	10	
149	CH	1110	1130	16.10		5	8	10	

Attach Calibration Sheet
Attach site map showing grid ID

SIMI VALLEY LANDFILL
INTEGRATED LANDFILL SURFACE MONITORING

Personnel: A. Lopez, J. Medina, C. Hughes, G. Robles

Cal. Gas Exp. Date: 5/25

Date: 8-4-23 Instrument Used: Inspectra Grid Spacing: 25 feet

Temperature: 86° Precip: 0 Upwind BG: 1.8 Downwind BG: 2.3

GRID ID	STAFF INITIALS	START TIME	STOP TIME	TOC PPM		WIND INFORMATION			REMARKS
						AVG SPEED	MAX. SPEED	DIRECTION 16 POINT	
189	AL	0714	0734	193.61		4	6	6	Mulch Piles
188	AL	0736	0756	93.97		5	8	6	STEEP Slope
187	AL	0757	0817	20.97		5	8	6	STEEP Slope
186	AL	0817	0837	11.06		6	10	7	STEEP Slope/Liner
157	CH	0715	0735	81.55		4	6	6	Road
158	CH	0740	0755	39.97		5	8	6	Road
159	CH	0800	0820	22.95		7	11	6	Road
160	CH	0825	0845	41.14		7	10	6	
161	CH	0850	0915	18.94		5	10	6	Liner
182	GR	0714	0743	448.35		5	7	6	STEEP Slope
183	GR	0744	0804	66.33		5	7	6	STEEP Slope
184	GR	0805	0825	17.20		7	10	6	STEEP Slope
185	GR	0826	0845	15.94		7	10	6	STEEP Slope
164	JM	0728	0753	92.07		5	8	6	
165	JM	0758	0723	23.42		4	7	5	
181	JM	0725	0740	54.48		5	7	6	Heavy Equipment
180	JM	0745	0755	20.92		5	8	6	TRAFFIC/Heavy Equipment

Attach Calibration Sheet
Attach site map showing grid ID

Integrated Surface Sampling
10 Day Exceedances and Monitoring Log

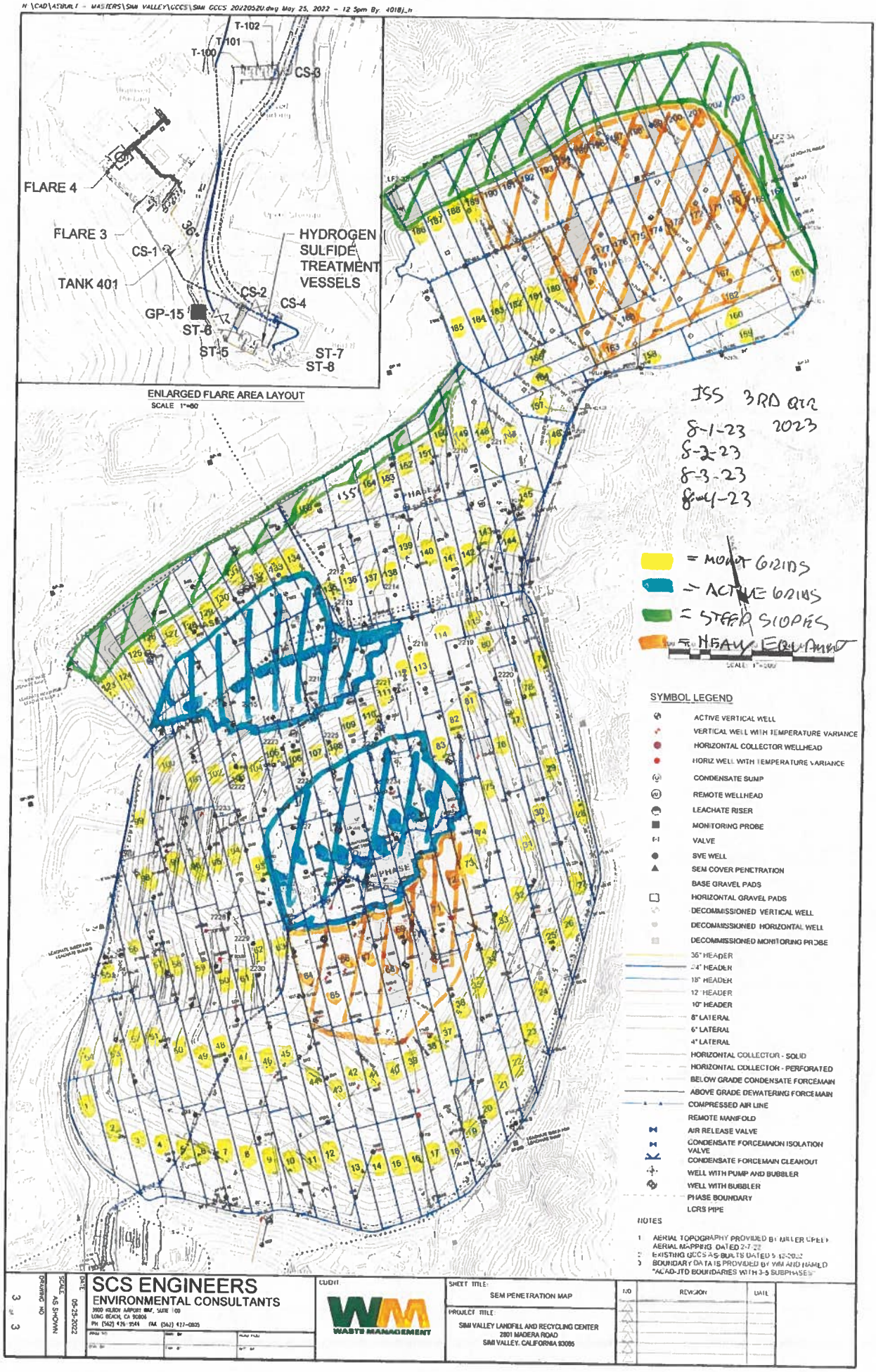
Site: Simi Valley Landfill

Quarter / Year:	3rd QTR 2023		3rd QTR 2023								
Technician:	M. OBUE		M. OBUE								
Instrument:	Inspectra		TVA1000								
Calibration Standard:	25 ppm		25PPM								
Initial Monitoring Event			First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days				
Grid Number	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <25 ppm	Excd. >25 ppm	Remedial Work	Date Monitored	No Excd. <25 ppm	Excd. >25 ppm	
44	25.0	8-2-23		8-9-23	17.39						
138	83.9	8-3-23		8-9-23	5.95						
137	66.5				10.14						
142	67.0				22.67						
62	37.3				21.39						
148	26.8				24.98						
81	26.5				16.97						
140	47.3				6.72						
135	41.4				18.99						
151	30.8				21.84						
146	43.9				24.45						
112	33.9				15.55						
147	50.1				23.75						
80	43.2				10.21						
76	32.0				12.22						
141	26.6				23.78						
143	32.0				19.02						
123	37.2				10.11						
139	67.9				6.32						
136	122.1				23.54						

Integrated Surface Sampling
10 Day Exceedances and Monitoring Log

Site: SIMI VALLEY LANDFILL

Quarter / Year:	3RD/ 2023		3rd / 2023								
Technician:	MIKE ORUE		MIKE ORUE								
Instrument:	INSPECTRA		TVA1000								
Calibration Standard:	25PPM		25PPM								
Initial Monitoring Event			First Re-Monitoring Event – 10 Days					Second Re-Monitoring Event – 10 Days			
Grid Number	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <25 ppm	Excd. >25 ppm		Remedial Work	Date Monitored	No Excd. <25 ppm	Excd. >25 ppm
2023Q3_189_ISS	193.617	8/4/2023		8-14-23	6.82						
2023Q3_182_ISS	448.355	8/4/2023			19.52						
2023Q3_188_ISS	93.9729	8/4/2023			4.11						
2023Q3_164_ISS	92.0746	8/4/2023			6.36						
2023Q3_181_ISS	54.488	8/4/2023			13.95						
2023Q3_160_ISS	41.1486	8/4/2023			18.42						
2023Q3_183_ISS	66.3313	8/4/2023			6.41						
2023Q3_158_ISS	39.9714	8/4/2023			19.86						
2023Q3_157_ISS	81.5575	8/4/2023			16.07						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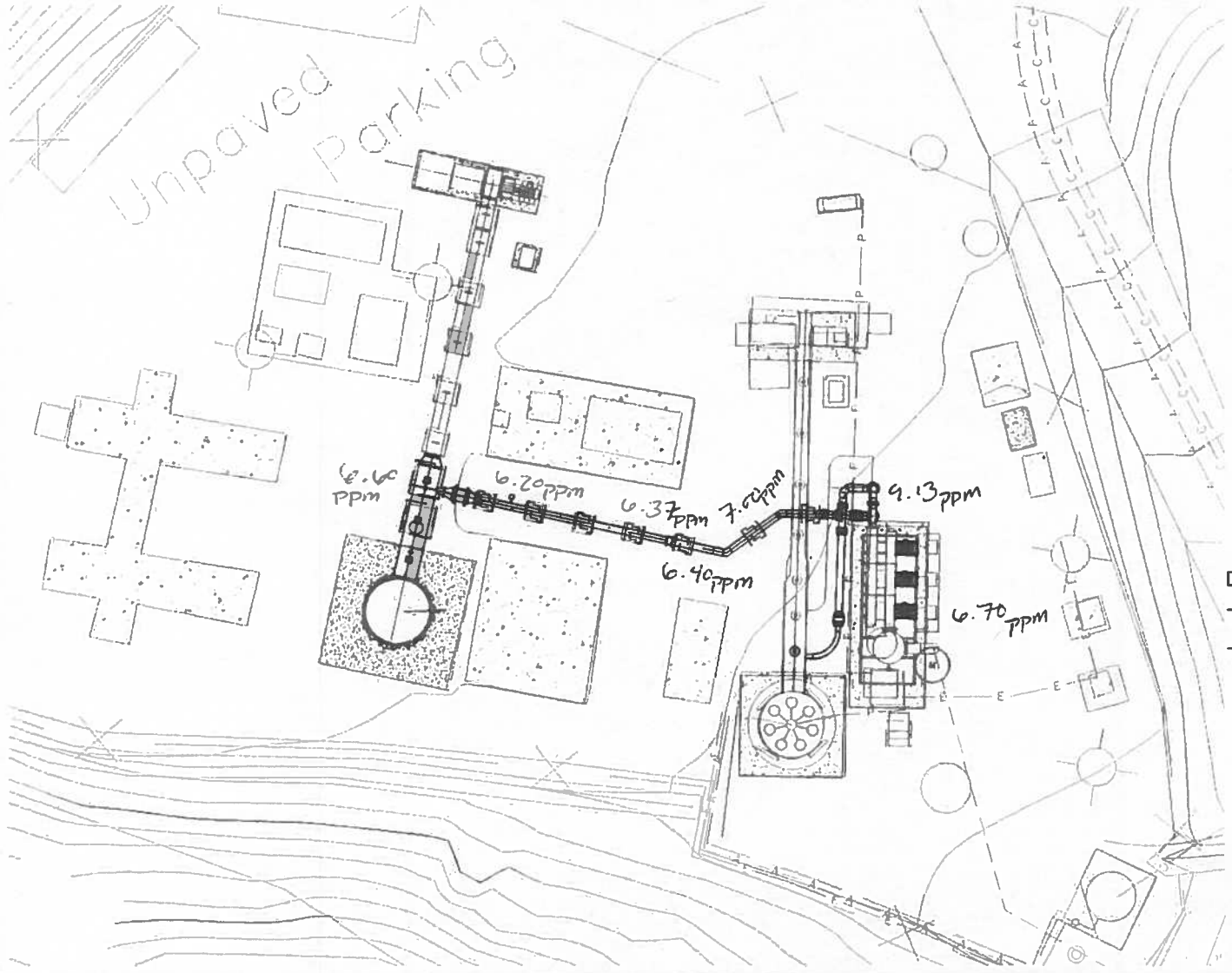
T-101
T-100
CS-3
FLARE 4
FLARE 3
CS-1
TANK 401
HYDROGEN SULFIDE TREATMENT VESSELS
CS-2
CS-4
GP-15
ST-6
ST-5
ST-7
ST-8
ENLARGED FLARE AREA LAYOUT
SCALE 1"=60
ISS 3RD QTR
8-1-23 2023
8-2-23
8-3-23
8-4-23
= MONITORING
= ACTIVE WELLS
= STEEP SLOPES
= HEAVY EQUIPMENT
SCALE 1"=200
SYMBOL LEGEND
ACTIVE VERTICAL WELL
VERTICAL WELL WITH TEMPERATURE VARIANCE
HORIZONTAL COLLECTOR WELLHEAD
HORIZ WELL WITH TEMPERATURE VARIANCE
CONDENSATE SUMP
REMOTE WELLHEAD
LEACHATE RISER
MONITORING PROBE
VALVE
SVE WELL
SEM COVER PENETRATION
BASE GRAVEL PADS
HORIZONTAL GRAVEL PADS
DECOMMISSIONED VERTICAL WELL
DECOMMISSIONED HORIZONTAL WELL
DECOMMISSIONED MONITORING PROBE
36" HEADER
24" HEADER
18" HEADER
12" HEADER
10" HEADER
8" LATERAL
6" LATERAL
4" LATERAL
HORIZONTAL COLLECTOR - SOLID
HORIZONTAL COLLECTOR - PERFORATED
BELOW GRADE CONDENSATE FORCEMAIN
ABOVE GRADE DEWATERING FORCEMAIN
COMPRESSED AIR LINE
REMOTE MANIFOLD
AIR RELEASE VALVE
CONDENSATE FORCEMAIN ISOLATION VALVE
CONDENSATE FORCEMAIN CLEANOUT
WELL WITH PUMP AND BUBBLER
WELL WITH BUBBLER
PHASE BOUNDARY
LCRS PIPE
NOTES
1 AERIAL TOPOGRAPHY PROVIDED BY MILLER CREEK AERIAL MAPPING DATED 2-7-22
2 EXISTING GCCS AS-BUILTS DATED 5-12-2022
3 BOUNDARY DATA IS PROVIDED BY WM AND NAMED "ACAD-JTD BOUNDARIES WITH 3-5 SUBPHASES"
SCS ENGINEERS
ENVIRONMENTAL CONSULTANTS
3900 KILROY AIRPORT WAY, SUITE 100
LONG BEACH, CA 90806
PH (562) 426-9544 FAX (562) 427-0925
DRAWING NO. 3 OF 3
SCALE AS SHOWN
DATE 05-25-2022
CLIENT
WASTE MANAGEMENT
SHEET TITLE: SEM PENETRATION MAP
PROJECT TITLE: SIMI VALLEY LANDFILL AND RECYCLING CENTER
2801 MADERA ROAD
SIMI VALLEY, CALIFORNIA 93065
NO REVISION DATE

Attachment C

Component Leak Monitoring Event Records



DATE: 08-04-23

TIME: 0935

TECHNICIAN: Alberto Lopez

NOTES:
1. MONITOR ALL FLANGES AND ABOVE GROUND CONNECTIONS. WRITE THE HIGHEST READING IN THE BOX LABELED PPM. DRAW A CIRCLE AROUND THE LOCATIONS OF THE LEAK.

TETRA TECH

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

SIMI VALLEY LANDFILL AND RECYCLING CENTER SIMI VALLEY, CALIFORNIA

SEM RESULTS - FLARE STATION

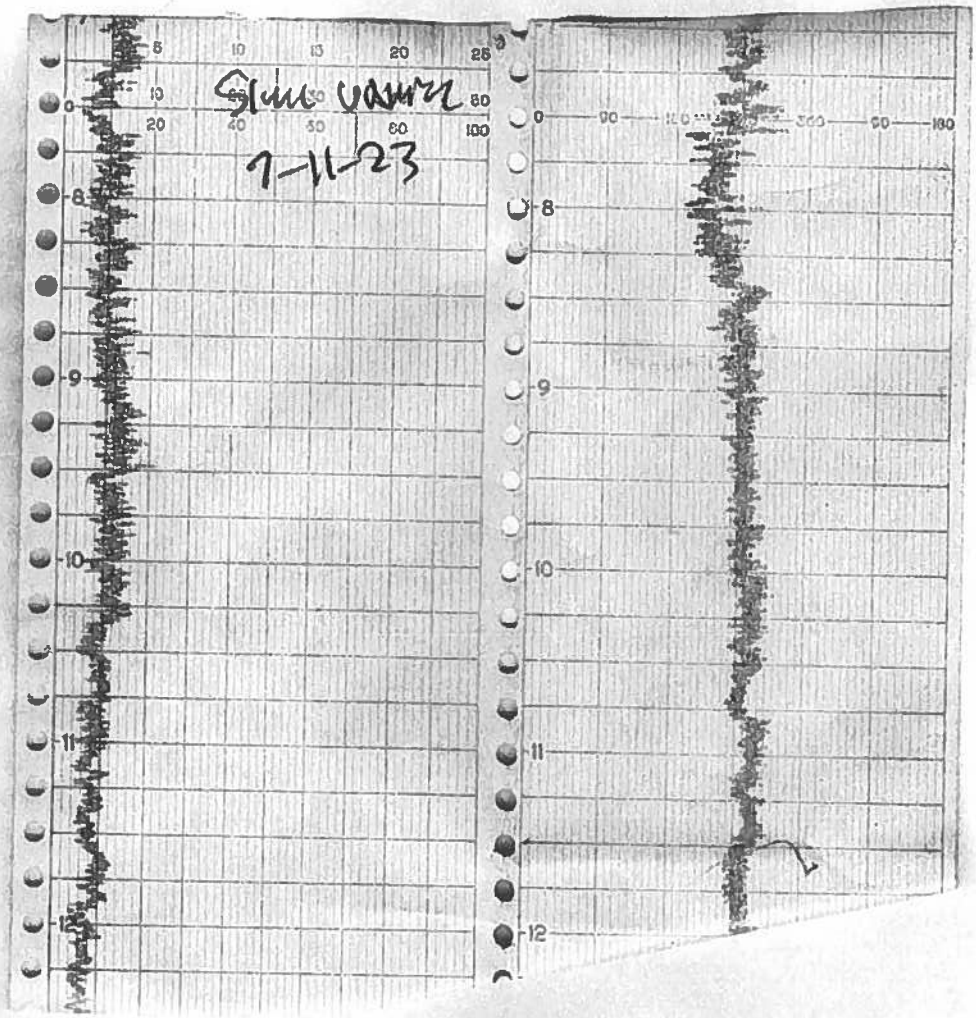
FIGURE NO. **1**

PROJECT NO. 200026

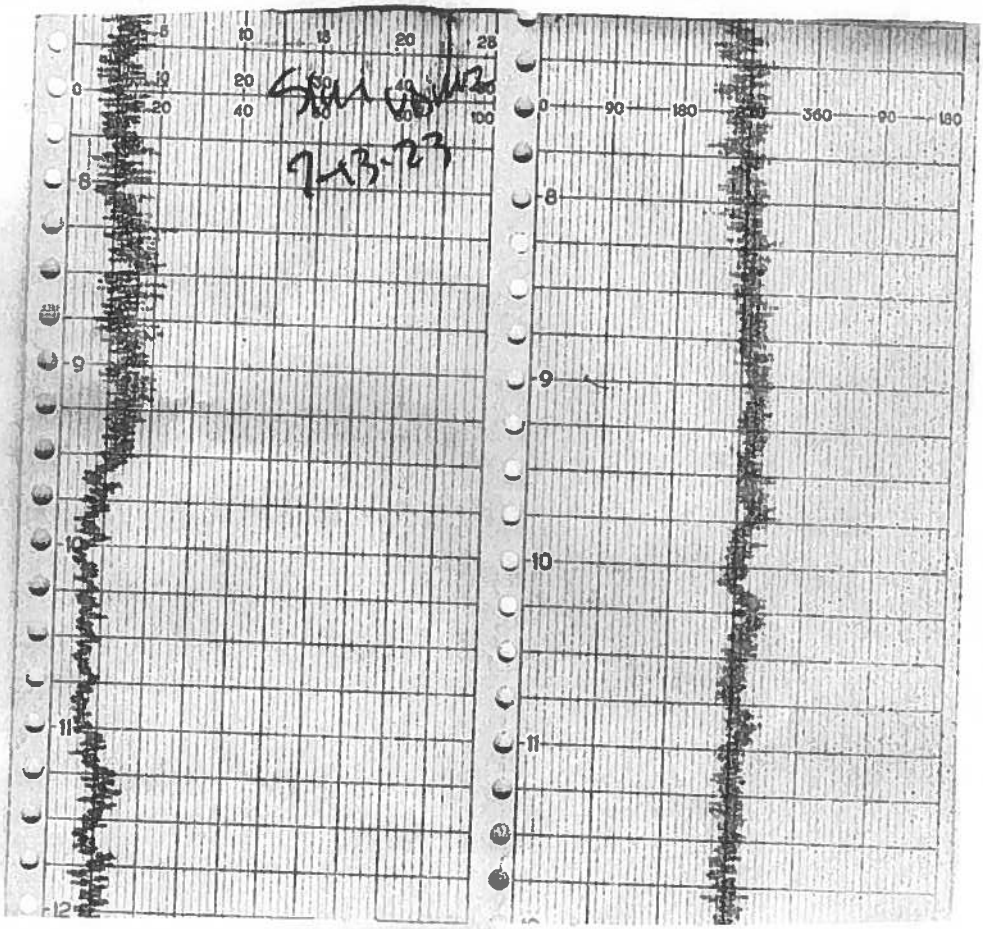
Attachment D

Weather Station Data

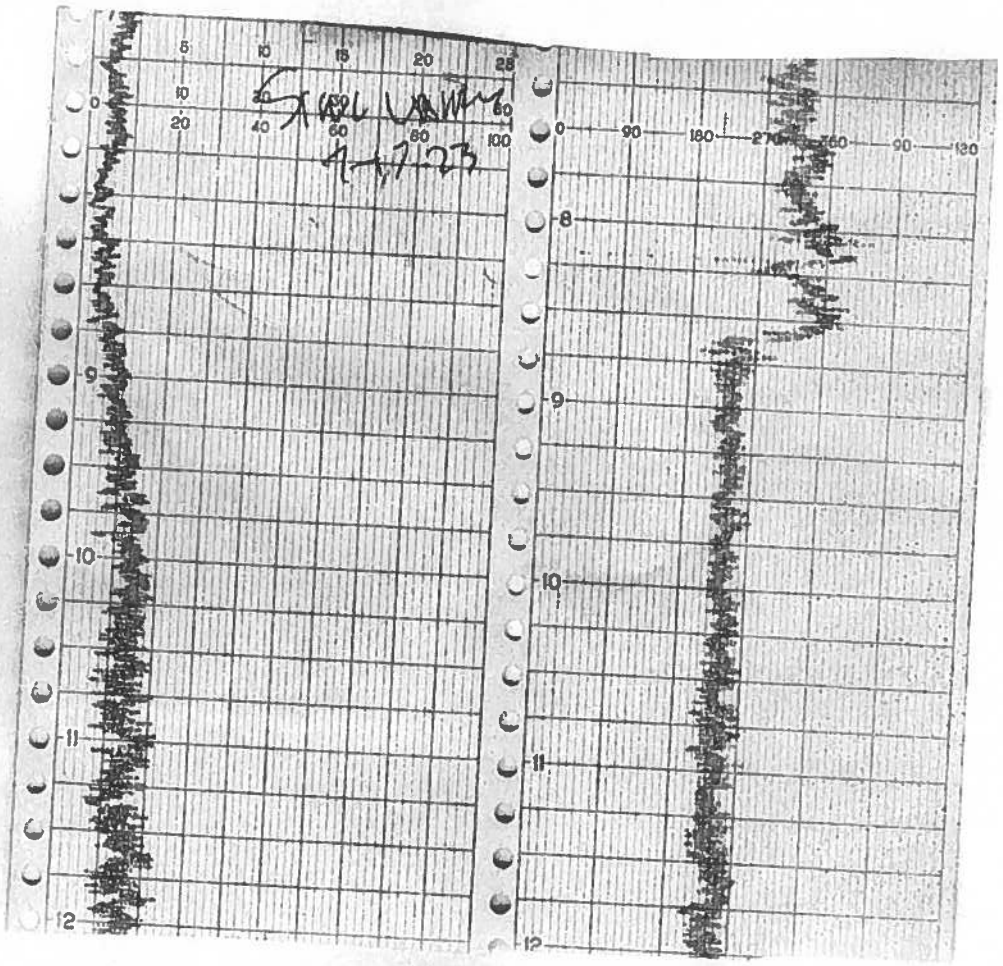
WIND SPEED & DIRECTION CHART ROLL



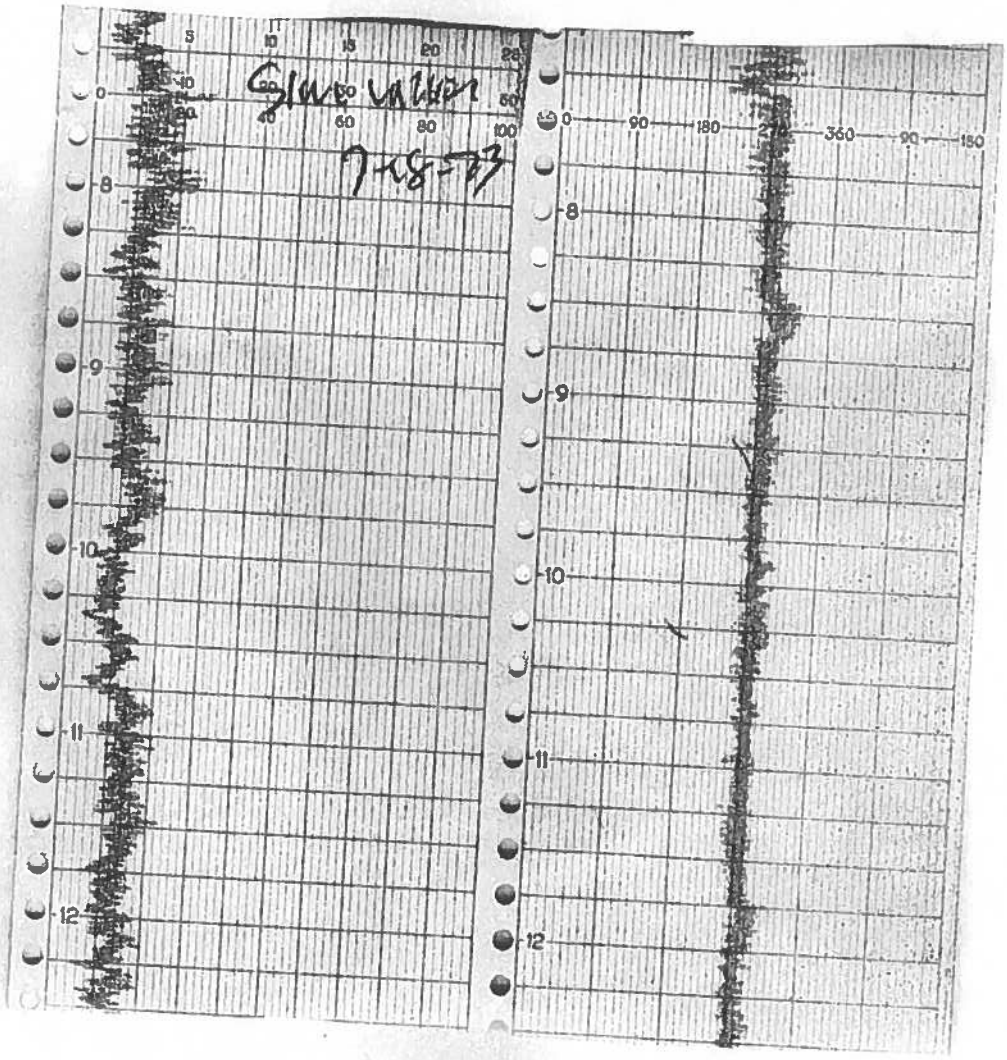
WIND SPEED & DIRECTION CHART ROLL



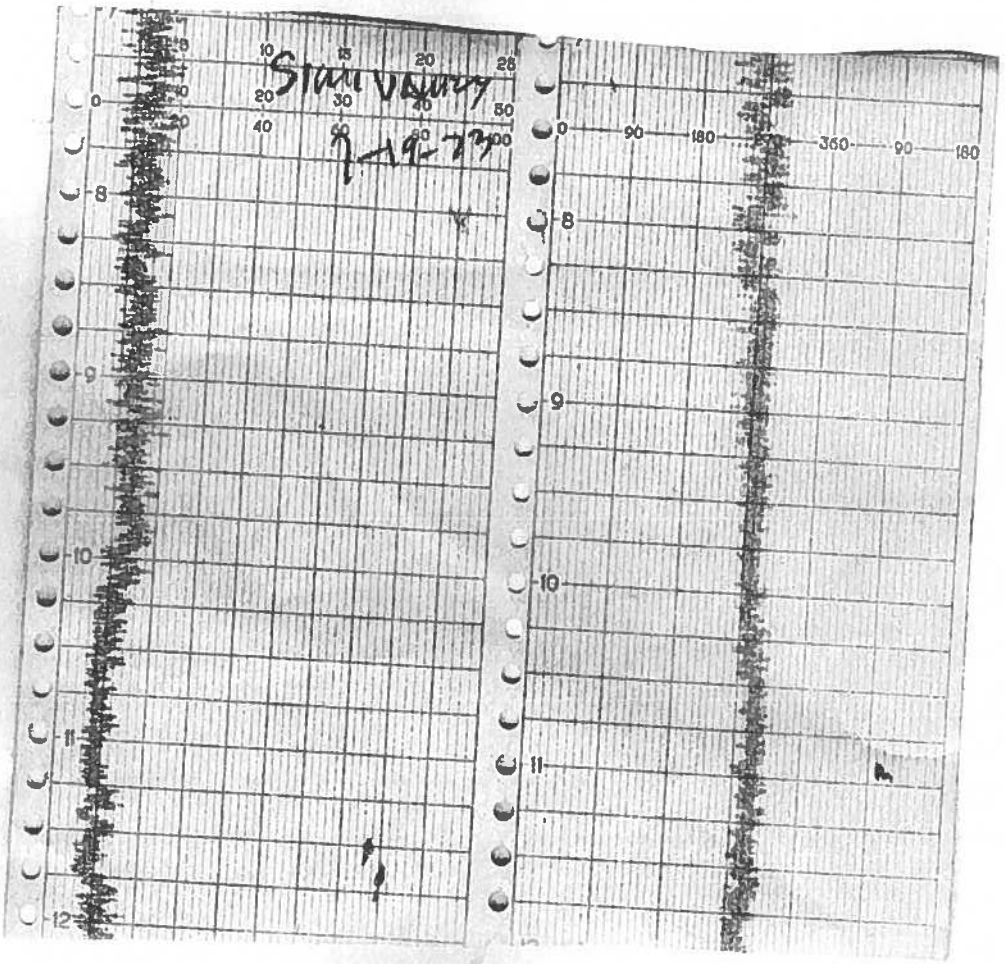
WIND SPEED & DIRECTION CHART ROLL



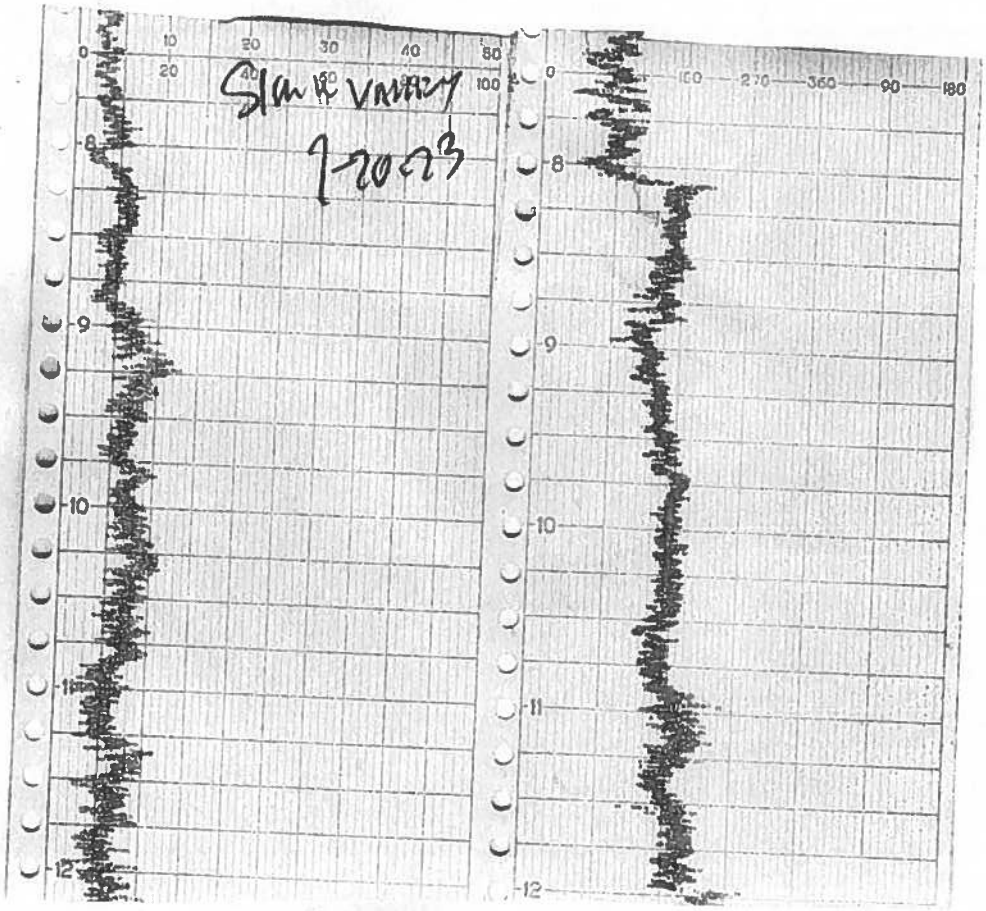
WIND SPEED & DIRECTION CHART ROLL



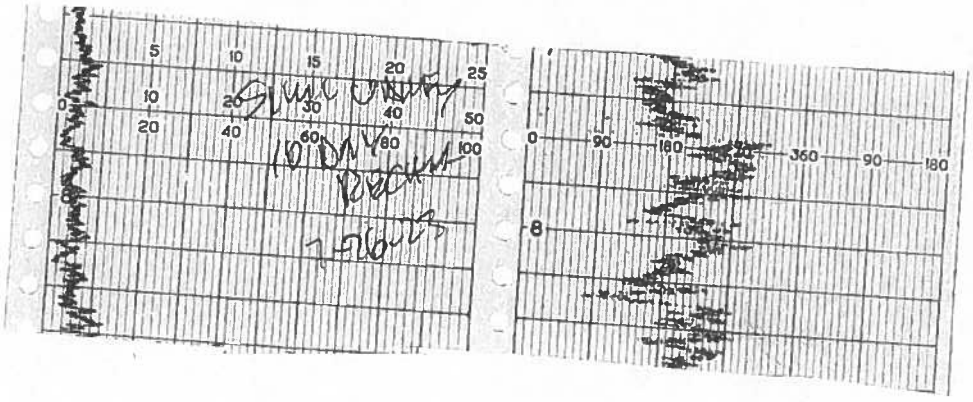
WIND SPEED & DIRECTION CHART ROLL



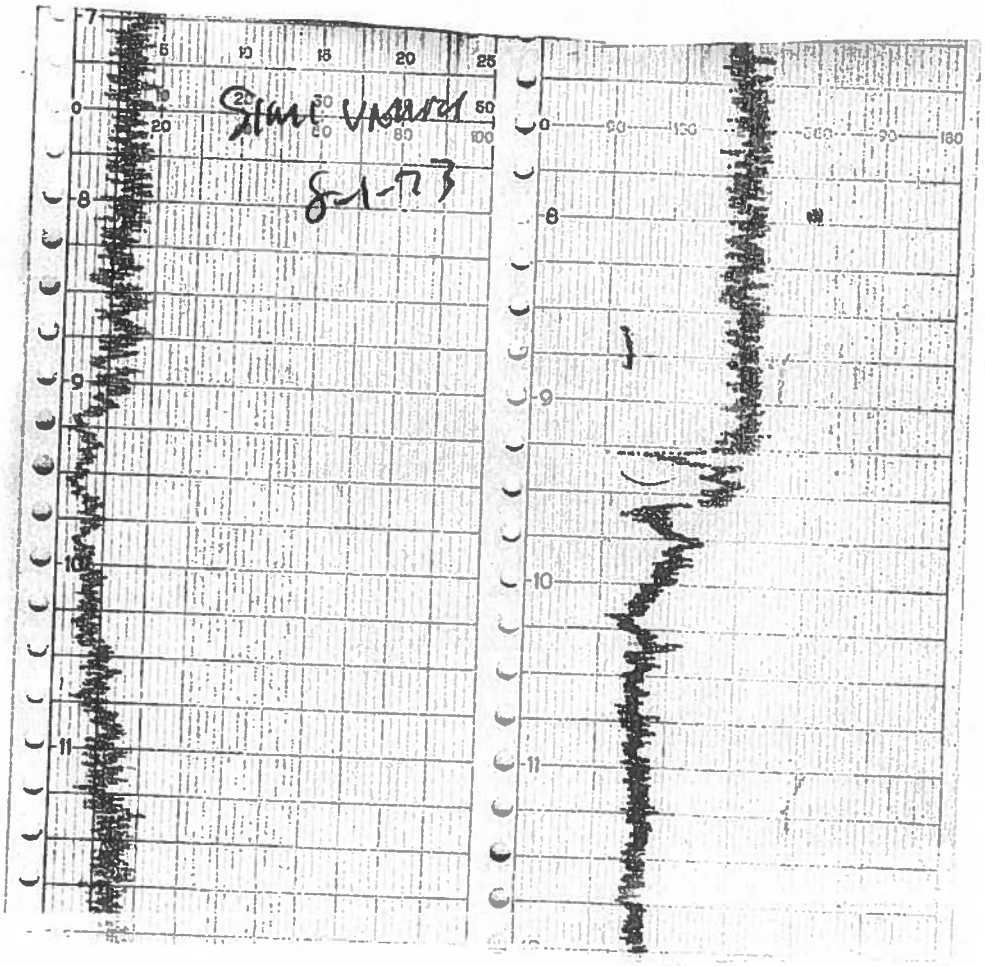
WIND SPEED & DIRECTION CHART ROLL



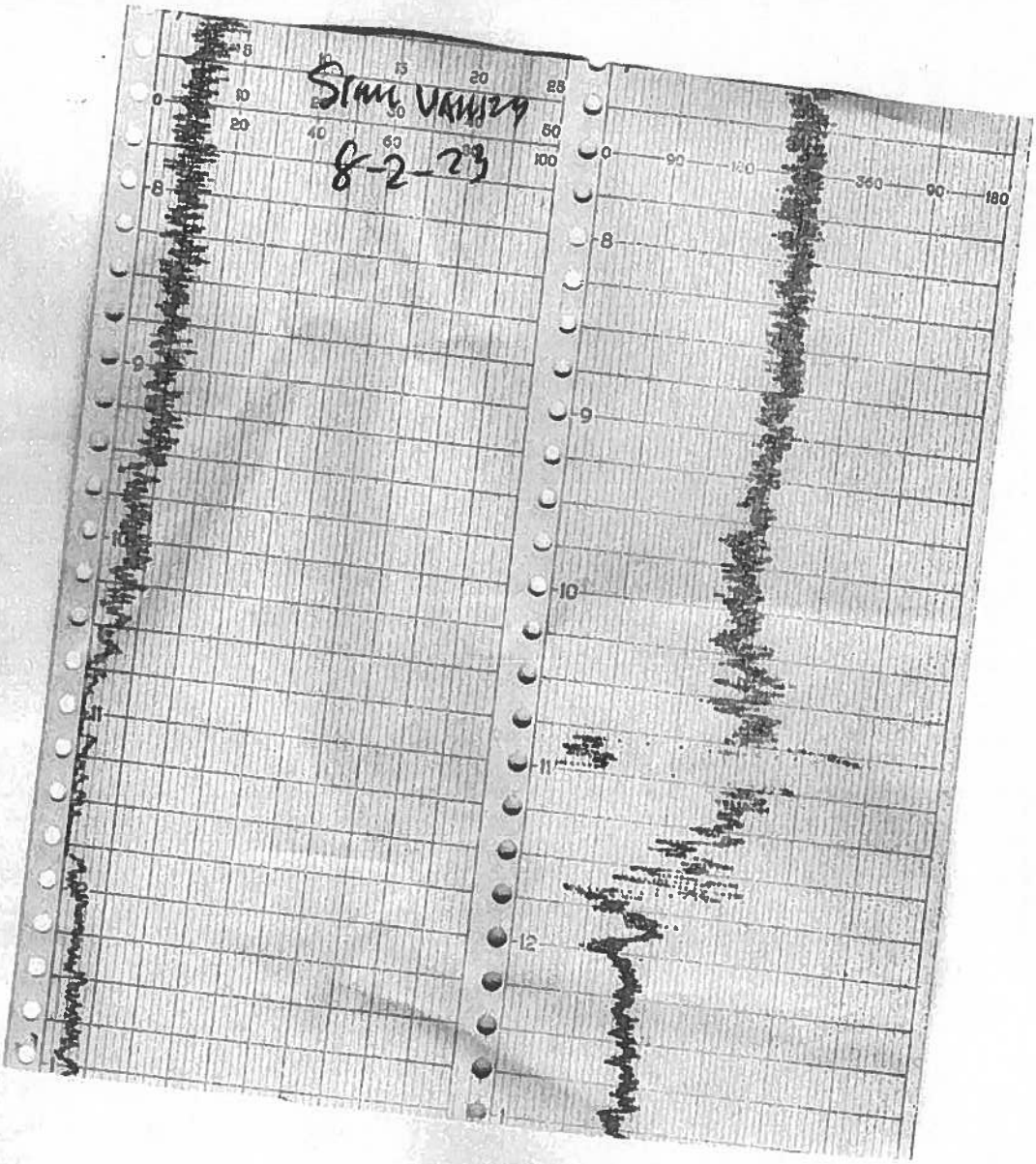
WIND SPEED & DIRECTION CHART ROLL



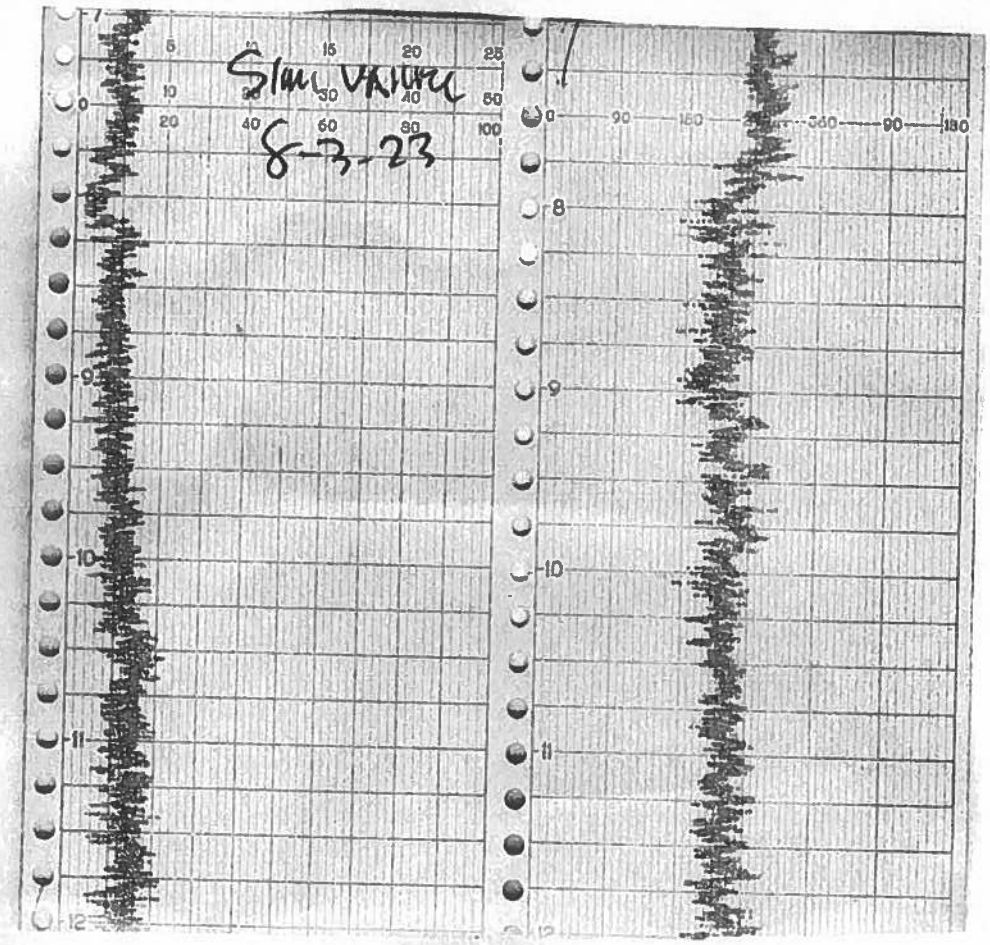
WIND SPEED & DIRECTION CHART ROLL



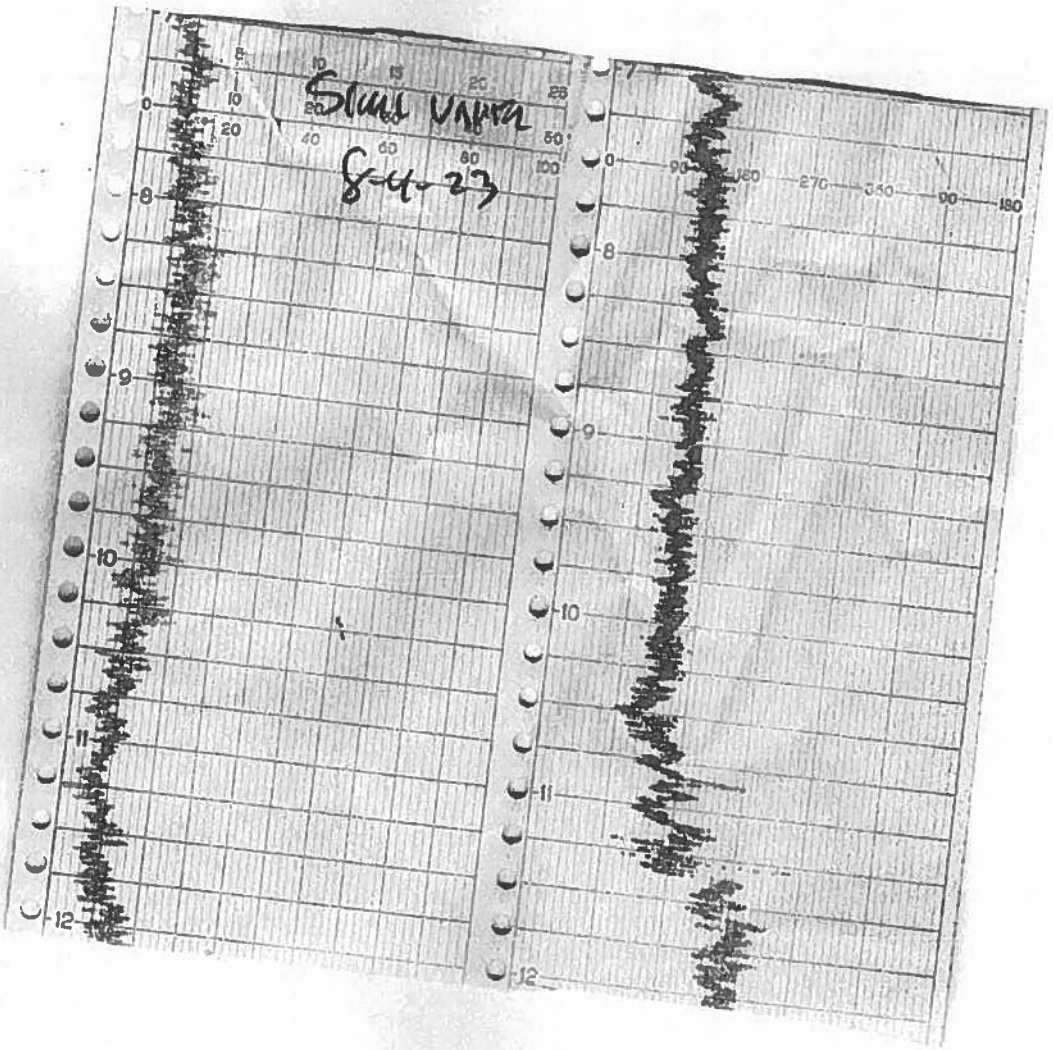
WIND SPEED & DIRECTION CHART ROLL



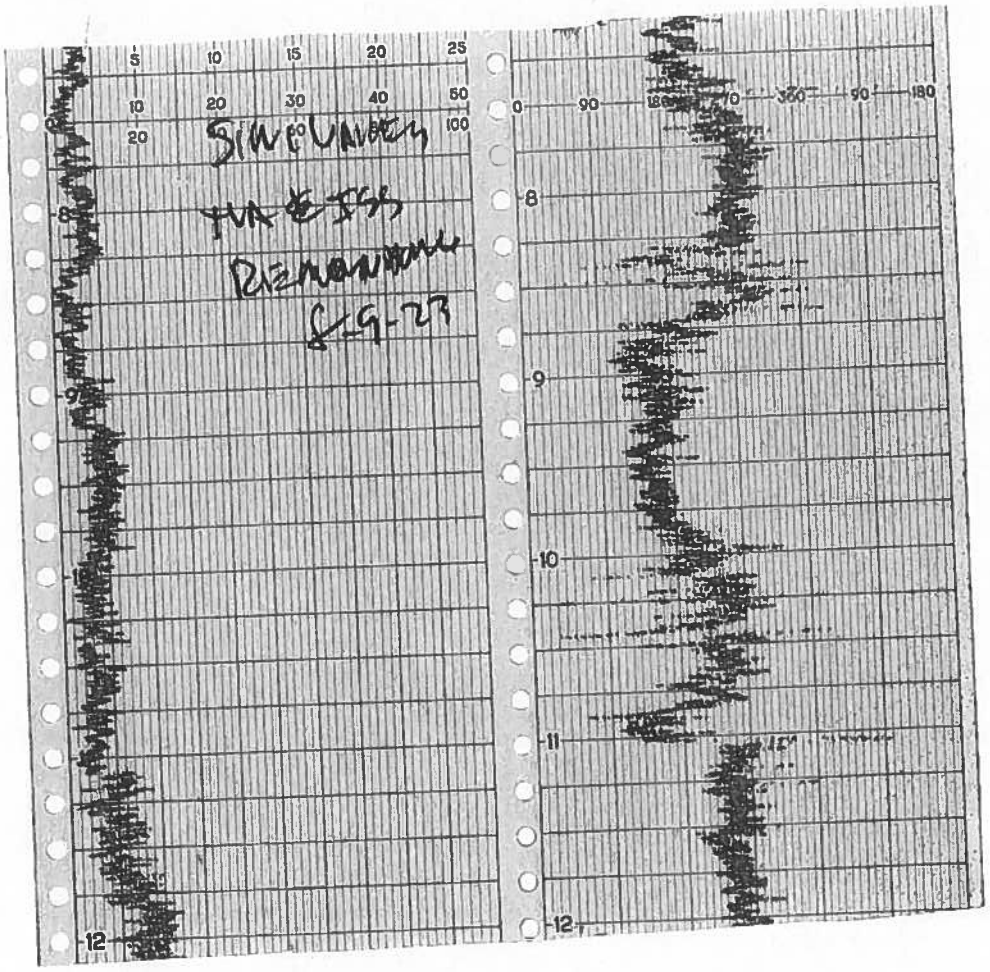
WIND SPEED & DIRECTION CHART ROLL



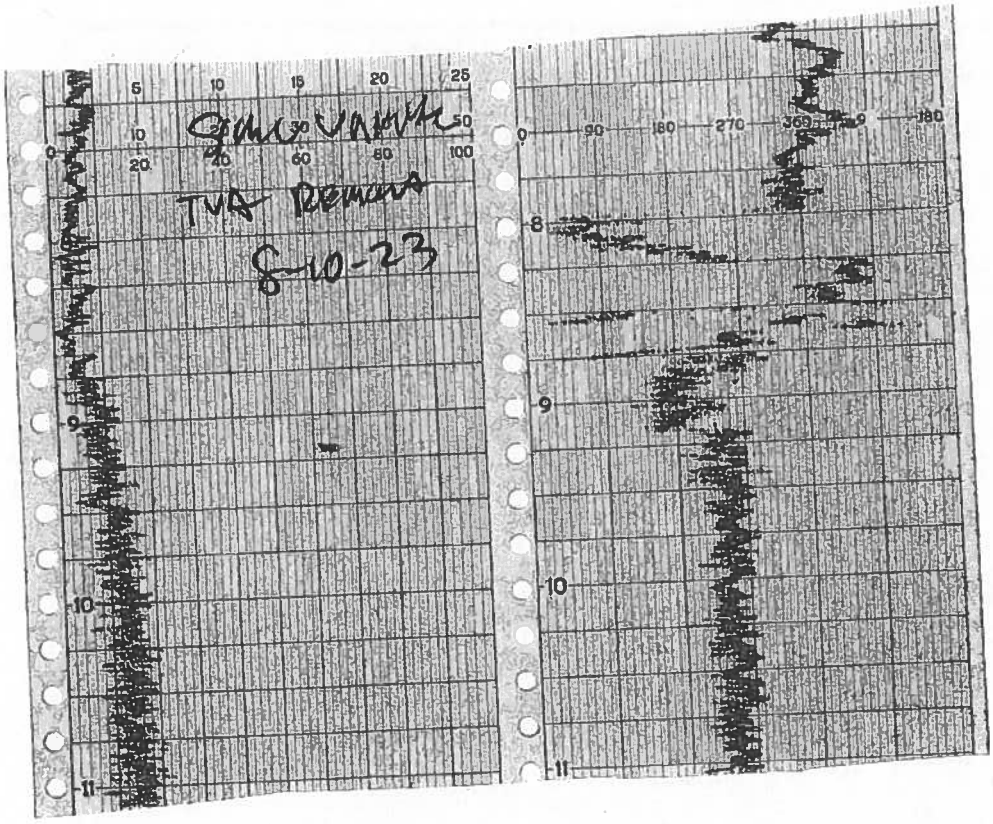
WIND SPEED & DIRECTION CHART ROLL



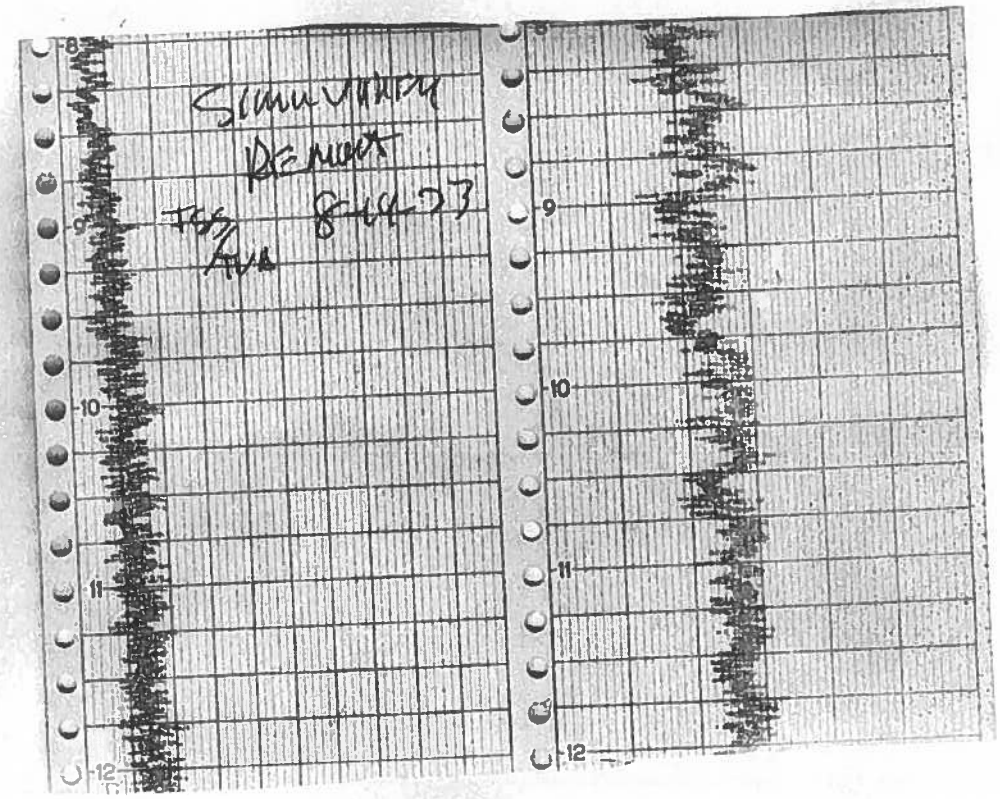
WIND SPEED & DIRECTION CHART ROLL



WIND SPEED & DIRECTION CHART ROLL



WIND SPEED & DIRECTION CHART ROLL



RES Environmental Inc.

16-POINT WIND DIRECTION INDEX

NO	DIRECTION	DEGREES		
		FROM	CENTER	TO
16	NORTH (N)	348.8	360.0	011.3
1	NORTH-NORTHEAST (NNE)	011.3	022.5	033.8
2	NORTHEAST (NE)	033.8	045.0	056.3
3	EAST-NORTHEAST (ENE)	056.3	067.5	078.8
4	EAST (E)	078.8	090.0	101.3
5	EAST-SOUTHEAST (ESE)	101.3	112.5	123.8
6	SOUTHEAST (SE)	123.8	135.0	146.3
7	SOUTH-SOUTHEAST (SSE)	146.3	157.5	168.8
8	SOUTH (S)	168.8	180.0	191.3
9	SOUTH-SOUTHWEST (SSW)	191.3	202.5	213.8
10	SOUTHWEST (SW)	213.8	225.0	236.3
11	WEST-SOUTHWEST (WSW)	236.3	247.5	258.8
12	WEST (W)	258.8	270.0	281.3
13	WEST-NORTHWEST (WNW)	281.3	292.5	303.8
14	NORTHWEST (NW)	303.8	315.0	326.3
15	NORTH-NORTHWEST (NNW)	326.3	337.5	348.8

865 Via Lata ▪ Colton, California 92324 ▪ (909) 422-1001 Fax (909) 422-0707

Attachment E

Calibration Records

RES
Environmental Inc.

CALIBRATION PROCEDURE AND BACKGROUND REPORT – INSTANTANEOUS

LANDFILL NAME: Simi Valley INSTRUMENT MAKE: Thermo

MODEL: TVA1000 EQUIPMENT #: 36 SERIAL #: 0332603195

MONITORING DATE: 7-20-23 TIME: 0715

Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 498 ppm
3. Adjust meter settings to read 500 ppm.

Background Determination Procedure

Upwind Background Reading: (Highest in 30 seconds)	Downwind Background Reading: (Highest in 30 seconds)	Background Value: (Upwind + Downwind) / 2
2.5 ppm	3.4 ppm	2.9 ppm

Background Value = 2.9 ppm

INSTRUMENT RESPONSE TIME RECORD

Measurement #	Stabilized Reading Using Calibration Gas	90% of the Stabilized Reading	Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas
#1	495 ppm	450 ppm	8
#2	495 ppm	450 ppm	7
#3	498 ppm	450 ppm	7
Calculate Response Time (1+2+3) / 3			7.3 #DIV/0! Must be less than 30 seconds

CALIBRATION PRECISION RECORD

Calibration Gas Standard = 500 ppm

Measurement #	Meter Reading for Zero Air (A)	Meter Reading for Calibration Gas (B)	Calculate Precision [STD – (B)]
#1	1.2 ppm	495 ppm	5
#2	1.0 ppm	495 ppm	5
#3	1.0 ppm	498 ppm	2
Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/500 X 100/1			0.8% #DIV/0! Must be less than 10%

Performed By: Michael Orue Date/Time: 7-20-23 / 0715

IRIS

CALIBRATION PROCEDURE AND BACKGROUND REPORT – INSTANTANEOUS

LANDFILL NAME: Simi Valley INSTRUMENT MAKE: Thermo

MODEL: TVA1000 EQUIPMENT #: 1 SERIAL #: 16320832

MONITORING DATE: 7-26-23 TIME: 0700

Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 502 ppm
3. Adjust meter settings to read 500 ppm.

Background Determination Procedure

Upwind Background Reading: (Highest in 30 seconds)	Downwind Background Reading: (Highest in 30 seconds)	Background Value: (Upwind + Downwind) / 2
2.9 ppm	3.7 ppm	3.3 ppm

Background Value = 3.3 ppm

INSTRUMENT RESPONSE TIME RECORD

Measurement #	Stabilized Reading Using Calibration Gas	90% of the Stabilized Reading	Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas
#1	504 ppm	450 ppm	8
#2	502 ppm	450 ppm	7
#3	502 ppm	450 ppm	7
Calculate Response Time (1+2+3)/3			7.3 #DIV/0! Must be less than 30 seconds

CALIBRATION PRECISION RECORD

Calibration Gas Standard = 500 ppm

Measurement #	Meter Reading for Zero Air (A)	Meter Reading for Calibration Gas (B)	Calculate Precision [STD – (B)]
#1	0.9 ppm	504 ppm	4
#2	0.9 ppm	502 ppm	2
#3	1.1 ppm	502 ppm	2
Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/500 X 100/1			0.5% #DIV/0! Must be less than 10%

Performed By: Michael O'Rio Date/Time: 7-26-23/0700

RES
Environmental, Inc.

CALIBRATION PROCEDURE AND BACKGROUND REPORT - INSTANTANEOUS

LANDFILL NAME: Simi-Valley INSTRUMENT MAKE: Thermo

MODEL: TVA 1000 EQUIPMENT #: 13 SERIAL #: 1102746775

MONITORING DATE: 08-04-23 TIME: 0815

Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 502 ppm
3. Adjust meter settings to read 500 ppm.

Background Determination Procedure

Upwind Background Reading: (Highest in 30 seconds)	Downwind Background Reading: (Highest in 30 seconds)	Background Value: (Upwind + Downwind) / 2
1.3 ppm	2.1 ppm	1.7 ppm

Background Value = 1.7 ppm

INSTRUMENT RESPONSE TIME RECORD

Measurement #	Stabilized Reading Using Calibration Gas	90% of the Stabilized Reading	Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas
#1	502 ppm	450 ppm	4
#2	503 ppm	450 ppm	5
#3	503 ppm	450 ppm	4
Calculate Response Time (1+2+3) / 3			4.3 #DIV/0! Must be less than 30 seconds

CALIBRATION PRECISION RECORD

Calibration Gas Standard = 500 ppm

Measurement #	Meter Reading for Zero Air (A)	Meter Reading for Calibration Gas (B)	Calculate Precision [STD – (B)]
#1	0.8 ppm	502 ppm	1
#2	0.7 ppm	503 ppm	3
#3	0.9 ppm	503 ppm	2
Calculate Precision	[STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/500 X 100/1		0.4 % #DIV/0! Must be less than 10%

Performed By: Alberto Lopez Date/Time: 8-04-23 / 0815

RJES Environmental Inc.

CALIBRATION PROCEDURE AND BACKGROUND REPORT – INTEGRATED

LANDFILL NAME: Simi Valley INSTRUMENT MAKE: Thermo

MODEL: TVA1000 EQUIPMENT #: 13 SERIAL #: 1102746775

MONITORING DATE: 8-9-23 TIME: 0715

Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 26.4 ppm
3. Adjust meter settings to read 25 ppm.

Background Determination Procedure

Upwind Background Reading: (Highest in 30 seconds)	Downwind Background Reading: (Highest in 30 seconds)	Background Value: (Upwind + Downwind) / 2
2.8 ppm	3.7 ppm	3.2 ppm

Background Value = 3.2 ppm

INSTRUMENT RESPONSE TIME RECORD

Measurement #	Stabilized Reading Using Calibration Gas	90% of the Stabilized Reading	Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas
#1	26.9 ppm	22.5 ppm	7
#2	26.5 ppm	22.5 ppm	6
#3	26.4 ppm	22.5 ppm	6
Calculate Response Time (1+2+3)/3			6.3 #DIV/0! Must be less than 30 seconds

CALIBRATION PRECISION RECORD

Calibration Gas Standard = 25 ppm

Measurement #	Meter Reading for Zero Air (A)	Meter Reading for Calibration Gas (B)	Calculate Precision [STD – (B)]
#1	0.9 ppm	26.9 ppm	1.9
#2	1.1 ppm	26.5 ppm	1.5
#3	1.1 ppm	26.4 ppm	1.4
Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/25 X 100/1			8.1% #DIV/0! Must be less than 10%

Performed By: Michael Ochs Date/Time: 8-9-23/0715

RES
Environmental

CALIBRATION PROCEDURE AND BACKGROUND REPORT – INTEGRATED

LANDFILL NAME: Simi Valley INSTRUMENT MAKE: THermo

MODEL: TVA1000 EQUIPMENT #: 16 SERIAL #: 1102746776

MONITORING DATE: 8-9-23 TIME: 0715

Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 24.7 ppm
3. Adjust meter settings to read 25 ppm.

Background Determination Procedure

Upwind Background Reading: (Highest in 30 seconds)	Downwind Background Reading: (Highest in 30 seconds)	Background Value: (Upwind + Downwind) / 2
2.3 ppm	2.9 ppm	2.6 ppm

Background Value = 2.6 ppm

INSTRUMENT RESPONSE TIME RECORD

Measurement #	Stabilized Reading Using Calibration Gas	90% of the Stabilized Reading	Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas
#1	24.7 ppm	22.5 ppm	6
#2	24.6 ppm	22.5 ppm	6
#3	24.7 ppm	22.5 ppm	5
Calculate Response Time (1+2+3) / 3			5.6 #DIV/0! Must be less than 30 seconds

CALIBRATION PRECISION RECORD

Calibration Gas Standard = 25 ppm

Measurement #	Meter Reading for Zero Air (A)	Meter Reading for Calibration Gas (B)	Calculate Precision [STD – (B)]
#1	1.1 ppm	24.7 ppm	0.3
#2	1.2 ppm	24.6 ppm	0.4
#3	1.1 ppm	24.7 ppm	0.4
Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/25 X 100/1			0.9 #DIV/0! Must be less than 10%

Performed By: Chris Hughes Date/Time: 8-9-23/0715

RES
Environmental Inc.

CALIBRATION PROCEDURE AND BACKGROUND REPORT – INTEGRATED

LANDFILL NAME: Simi Valley INSTRUMENT MAKE: Thermo

MODEL: TVA1000 EQUIPMENT #: 10 SERIAL #: 1036346773

MONITORING DATE: 8-9-23 TIME: 0715

Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 25.7 ppm
3. Adjust meter settings to read 25 ppm.

Background Determination Procedure

Upwind Background Reading: (Highest in 30 seconds)	Downwind Background Reading: (Highest in 30 seconds)	Background Value: (Upwind + Downwind) / 2
2.5 ppm	3.2 ppm	2.8 ppm

Background Value = 2.8 ppm

INSTRUMENT RESPONSE TIME RECORD

Measurement #	Stabilized Reading Using Calibration Gas	90% of the Stabilized Reading	Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas
#1	25.3 ppm	22.5 ppm	5
#2	25.3 ppm	22.5 ppm	6
#3	25.7 ppm	22.5 ppm	5
Calculate Response Time (1+2+3) / 3			5.3 #DIV/0! Must be less than 30 seconds

CALIBRATION PRECISION RECORD

Calibration Gas Standard = 25 ppm

Measurement #	Meter Reading for Zero Air (A)	Meter Reading for Calibration Gas (B)	Calculate Precision [STD – (B)]
#1	1.2 ppm	25.3 ppm	0.3
#2	1.0 ppm	25.3 ppm	0.3
#3	1.1 ppm	25.7 ppm	0.7
Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/25 X 100/1			0.1 % #DIV/0! Must be less than 10%

Performed By: Gilbert Robles Date/Time: 8-9-23/0715

RDS Environmental Inc.

CALIBRATION PROCEDURE AND BACKGROUND REPORT – INTEGRATED

LANDFILL NAME: Simi Valley INSTRUMENT MAKE: Thermo

MODEL: TVA1000 EQUIPMENT #: #1 SERIAL #: 16320837

MONITORING DATE: 8-9-23 TIME: 0715

Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 25.9 ppm
3. Adjust meter settings to read 25 ppm.

Background Determination Procedure

Upwind Background Reading: (Highest in 30 seconds)	Downwind Background Reading: (Highest in 30 seconds)	Background Value: (Upwind + Downwind) / 2
3.1 ppm	3.8 ppm	3.4 ppm

Background Value = 3.4 ppm

INSTRUMENT RESPONSE TIME RECORD

Measurement #	Stabilized Reading Using Calibration Gas	90% of the Stabilized Reading	Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas
#1	25.8 ppm	22.5 ppm	5
#2	25.6 ppm	22.5 ppm	5
#3	25.9 ppm	22.5 ppm	5
Calculate Response Time (1+2+3) / 3			5.0% #DIV/0! Must be less than 30 seconds

CALIBRATION PRECISION RECORD

Calibration Gas Standard = 25 ppm

Measurement #	Meter Reading for Zero Air (A)	Meter Reading for Calibration Gas (B)	Calculate Precision [STD – (B)]
#1	0.8 ppm	25.8 ppm	0.8
#2	0.8 ppm	25.6 ppm	0.6
#3	0.8 ppm	25.9 ppm	0.9
Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/25 X 100/1			0.1% #DIV/0! Must be less than 10%

Performed By: Jovany Medina Date/Time: 8-9-23/0715

RES Environmental Inc.

CALIBRATION PROCEDURE AND BACKGROUND REPORT – INSTANTANEOUS

LANDFILL NAME: Simi Valley INSTRUMENT MAKE: Thermo

MODEL: TVA1000 EQUIPMENT #: 13 SERIAL #: 1102746775

MONITORING DATE: 8-9-23 TIME: 0840

Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 502 ppm
3. Adjust meter settings to read 500 ppm.

Background Determination Procedure

Upwind Background Reading: (Highest in 30 seconds)	Downwind Background Reading: (Highest in 30 seconds)	Background Value: (Upwind + Downwind) / 2
2.4 ppm	3.2 ppm	2.8 ppm

Background Value = 2.8 ppm

INSTRUMENT RESPONSE TIME RECORD

Measurement #	Stabilized Reading Using Calibration Gas	90% of the Stabilized Reading	Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas
#1	504 ppm	450 ppm	7
#2	502 ppm	450 ppm	7
#3	502 ppm	450 ppm	6
Calculate Response Time (1+2+3) / 3			6.6 #DIV/0! Must be less than 30 seconds

CALIBRATION PRECISION RECORD

Calibration Gas Standard = 500 ppm

Measurement #	Meter Reading for Zero Air (A)	Meter Reading for Calibration Gas (B)	Calculate Precision [STD – (B)]
#1	1.2 ppm	504 ppm	4
#2	1.3 ppm	502 ppm	2
#3	1.1 ppm	502 ppm	2
Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/500 X 100/1			0.2% #DIV/0! Must be less than 10%

Performed By: Michael O'Rourke Date/Time: 8-9-23/0840

RES
Environmental Inc.

CALIBRATION PROCEDURE AND BACKGROUND REPORT – INSTANTANEOUS

LANDFILL NAME: Simi Valley INSTRUMENT MAKE: Thermo

MODEL: TVA1000 EQUIPMENT #: 10 SERIAL #: 1036346773

MONITORING DATE: 8-10-23 TIME: 0700

Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 503 ppm
3. Adjust meter settings to read 500 ppm.

Background Determination Procedure

Upwind Background Reading: (Highest in 30 seconds)	Downwind Background Reading: (Highest in 30 seconds)	Background Value: (Upwind + Downwind) / 2
2.4 ppm	3.2 ppm	2.8 ppm

Background Value = 2.8 ppm

INSTRUMENT RESPONSE TIME RECORD

Measurement #	Stabilized Reading Using Calibration Gas	90% of the Stabilized Reading	Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas
#1	504 ppm	450 ppm	6
#2	503 ppm	450 ppm	5
#3	503 ppm	450 ppm	6
Calculate Response Time (1+2+3) / 3			5.6 #DIV/0! Must be less than 30 seconds

CALIBRATION PRECISION RECORD

Calibration Gas Standard = 500 ppm

Measurement #	Meter Reading for Zero Air (A)	Meter Reading for Calibration Gas (B)	Calculate Precision [STD – (B)]
#1	0.9 ppm	504 ppm	4
#2	0.9 ppm	503 ppm	3
#3	1.2 ppm	503 ppm	3
Calculate Precision	[STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/500 X 100/1		1.5% #DIV/0! Must be less than 10%

Performed By: Chris Hughes Date/Time: 8-10-23/0700

RES Environmental Inc.

CALIBRATION PROCEDURE AND BACKGROUND REPORT – INSTANTANEOUS

LANDFILL NAME: Simi Valley INSTRUMENT MAKE: Thermo

MODEL: TVA1000 EQUIPMENT #: #1 SERIAL #: 1632080932

MONITORING DATE: 8-10-23 TIME: 0700

Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 501 ppm
3. Adjust meter settings to read 500 ppm.

Background Determination Procedure

Upwind Background Reading: (Highest in 30 seconds)	Downwind Background Reading: (Highest in 30 seconds)	Background Value: (Upwind + Downwind) / 2
2.5 ppm	2.9 ppm	2.7 ppm

Background Value = 2.7 ppm

INSTRUMENT RESPONSE TIME RECORD

Measurement #	Stabilized Reading Using Calibration Gas	90% of the Stabilized Reading	Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas
#1	502 ppm	450 ppm	6
#2	503 ppm	450 ppm	6
#3	501 ppm	450 ppm	6
Calculate Response Time (1+2+3) / 3			6 #DIV/0! Must be less than 30 seconds

CALIBRATION PRECISION RECORD

Calibration Gas Standard = 500 ppm

Measurement #	Meter Reading for Zero Air (A)	Meter Reading for Calibration Gas (B)	Calculate Precision [STD – (B)]
#1	1.1 ppm	502 ppm	2
#2	1.2 ppm	503 ppm	3
#3	1.1 ppm	501 ppm	1
Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/500 X 100/1			2.5 #DIV/0! Must be less than 10%

Performed By: Jovany Medina Date/Time: 8-10-23

RES
Environmental Inc.

CALIBRATION PROCEDURE AND BACKGROUND REPORT – INTEGRATED

LANDFILL NAME: Simi Valley INSTRUMENT MAKE: Thermo

MODEL: TVA1000 EQUIPMENT #: 10 SERIAL #: 1036346773

MONITORING DATE: 8-14-23 TIME: 0715

Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 24.3 ppm
3. Adjust meter settings to read 25 ppm.

Background Determination Procedure

Upwind Background Reading: (Highest in 30 seconds)	Downwind Background Reading: (Highest in 30 seconds)	Background Value: (Upwind + Downwind) / 2
2.3 ppm	3.1 ppm	2.7 ppm

Background Value = 2.7 **ppm**

INSTRUMENT RESPONSE TIME RECORD

Measurement #	Stabilized Reading Using Calibration Gas	90% of the Stabilized Reading	Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas
#1	24.3 ppm	22.5 ppm	6 ~~24.5~~
#2	24.3 ppm	22.5 ppm	6
#3	24.3 ppm	22.5 ppm	6
Calculate Response Time (1+2+3) / 3			6 #DIV/0! Must be less than 30 seconds

CALIBRATION PRECISION RECORD

Calibration Gas Standard = 25 **ppm**

Measurement #	Meter Reading for Zero Air (A)	Meter Reading for Calibration Gas (B)	Calculate Precision [STD – (B)]
#1	1.2 ppm	24.3 ppm	0.7
#2	1.2 ppm	24.3 ppm	0.7
#3	1.0 ppm	24.3 ppm	0.7
Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/25 X 100/1			0.3% #DIV/0! Must be less than 10%

Performed By: CHRIS Hughes Date/Time: 8-14-23/0715

RES
Environmental Inc.

CALIBRATION PROCEDURE AND BACKGROUND REPORT – INTEGRATED

LANDFILL NAME: Simi Valley INSTRUMENT MAKE: Thermo

MODEL: TVA1000 EQUIPMENT #: 13 SERIAL #: 1102746 741

MONITORING DATE: 8-14-23 TIME: 0715

Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 25.9 ppm
3. Adjust meter settings to read 25 ppm.

Background Determination Procedure

Upwind Background Reading: (Highest in 30 seconds)	Downwind Background Reading: (Highest in 30 seconds)	Background Value: (Upwind + Downwind) / 2
2.2 ppm	3.4 ppm	2.8 ppm

Background Value = 2.8 ppm

INSTRUMENT RESPONSE TIME RECORD

Measurement #	Stabilized Reading Using Calibration Gas	90% of the Stabilized Reading	Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas
#1	26.2 ppm	22.5 ppm	6
#2	26.2 ppm	22.5 ppm	5
#3	25.9 ppm	22.5 ppm	6
Calculate Response Time (1+2+3) / 3			5.6 #DIV/0! Must be less than 30 seconds

CALIBRATION PRECISION RECORD

Calibration Gas Standard = 25 ppm

Measurement #	Meter Reading for Zero Air (A)	Meter Reading for Calibration Gas (B)	Calculate Precision [STD – (B)]
#1	1.2 ppm	26.2 ppm	1.2
#2	1.1 ppm	26.2 ppm	1.2
#3	1.1 ppm	25.9 ppm	0.9
Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/25 X 100/1			0.12% #DIV/0! Must be less than 10%

Performed By: Michael O'Rue Date/Time: 8-14-23/0715

Project :	RES_SimiValley landfill	**Date/Time :**	7/11/2023 4:43:32 AM
Model Number :	INSPECTRA	**Serial Number :**	1011221
Latitude :	34.0563835	**Longitude :**	-117.3073022
Test Status :	Completed	**Test Notes :**	Test successfully completed at 2023-Jul-11 04:44 using one span gas.

		Measurement #1		Measurement #2		Measurement #3					
GAS USED		**T90**	**Reading**	**T90**	**Reading**	**T90**	**Reading**	**Average Algebraic Difference**	**Calibration Precision**	**Calibration Precision < 10**	**Average Response Time**
	(ppm)	**(sec)**	**(ppm)**	**(sec)**	**(ppm)**	**(sec)**	**(ppm)**		**(%)**		**(s)**
ZERO	0										
Calibration Gas #1	500	7.0	477.5	6.9	477.3	7.0	478.9	22.1	4.4%	Yes	7.0

Gas Sequence ID :	0	**Date/Time :**	7/11/2023 4:43:32 AM
Gas Manufacturer :	Intermountain	**Gas Lot Number :**	20-7421
Gas Expiration Date :	7/10/2024	**Bottle Pressure :**	1000
Misc Ref No :	N/A	**Technical Name :**	N/A
UN# :	N/A	**Cylinder ID :**	N/A

Gas Sequence ID :	1	**Date/Time :**	7/11/2023 4:43:32 AM
Gas Manufacturer :	Premier Safety	**Gas Lot Number :**	2-055-87
Gas Expiration Date :	3/1/2025	**Bottle Pressure :**	1000
Misc Ref No :	N/A	**Technical Name :**	N/A
UN# :	N/A	**Cylinder ID :**	N/A

Project :	RES_SimiValley landfill	**Date/Time :**	7/11/2023 4:47:10 AM
Model Number :	INSPECTRA	**Serial Number :**	811121
Latitude :	34.0564113	**Longitude :**	-117.3072999
Test Status :	Completed	**Test Notes :**	Test successfully completed at 2023-Jul-11 04:48 using one span gas.

		Measurement #1		Measurement #2		Measurement #3					
GAS USED		**T90**	**Reading**	**T90**	**Reading**	**T90**	**Reading**	**Average Algebraic Difference**	**Calibration Precision**	**Calibration Precision < 10**	**Average Response Time**
	(ppm)	**(sec)**	**(ppm)**	**(sec)**	**(ppm)**	**(sec)**	**(ppm)**		**(%)**		**(s)**
ZERO	0										
Calibration Gas #1	500	6.9	475.6	7.1	476.8	7.2	475.4	24.1	4.8%	Yes	7.1

Gas Sequence ID :	0	**Date/Time :**	7/11/2023 4:47:10 AM
Gas Manufacturer :	Intermountain	**Gas Lot Number :**	20-7421
Gas Expiration Date :	7/10/2024	**Bottle Pressure :**	1000
Misc Ref No :	N/A	**Technical Name :**	N/A
UN# :	N/A	**Cylinder ID :**	N/A

Gas Sequence ID :	1	**Date/Time :**	7/11/2023 4:47:10 AM
Gas Manufacturer :	Premier Safety	**Gas Lot Number :**	2-055-87
Gas Expiration Date :	3/1/2025	**Bottle Pressure :**	1000
Misc Ref No :	N/A	**Technical Name :**	N/A
UN# :	N/A	**Cylinder ID :**	N/A

Project :	RES_SimiValley landfill	**Date/Time :**	7/11/2023 4:39:41 AM
Model Number :	INSPECTRA	**Serial Number :**	1001221
Latitude :	34.0563867	**Longitude :**	-117.3073005
Test Status :	Completed	**Test Notes :**	Test successfully completed at 2023-Jul-11 04:40 using one span gas.

		Measurement #1		Measurement #2		Measurement #3					
GAS USED		T90	Reading	T90	Reading	T90	Reading	Average Algebraic Difference	Calibration Precision	Calibration Precision < 10	Average Response Time
	(ppm)	(sec)	(ppm)	(sec)	(ppm)	(sec)	(ppm)		(%)		(s)
ZERO	0										
Calibration Gas #1	500	9.5	459.4	7.3	461.4	7.4	461.7	39.2	7.8%	Yes	8.1

Gas Sequence ID :	0	**Date/Time :**	7/11/2023 4:39:41 AM
Gas Manufacturer :	intermountain	**Gas Lot Number :**	20-7421
Gas Expiration Date :	7/10/2024	**Bottle Pressure :**	1000
Misc Ref No :	N/A	**Technical Name :**	N/A
UN# :	N/A	**Cylinder ID :**	N/A

Gas Sequence ID :	1	**Date/Time :**	7/11/2023 4:39:41 AM
Gas Manufacturer :	Premier Saftey	**Gas Lot Number :**	2-055-87
Gas Expiration Date :	3/1/2025	**Bottle Pressure :**	1000
Misc Ref No :	N/A	**Technical Name :**	N/A
UN# :	N/A	**Cylinder ID :**	N/A

Project :	RES_SimiValley landfill	**Date/Time :**	7/11/2023 4:41:32 AM
Model Number :	INSPECTRA	**Serial Number :**	881221
Latitude :	34.0563647	**Longitude :**	-117.3072942
Test Status :	Completed	**Test Notes :**	Test successfully completed at 2023-Jul-11 04:42 using one span gas.

		Measurement #1		Measurement #2		Measurement #3					
GAS USED		**T90**	**Reading**	**T90**	**Reading**	**T90**	**Reading**	**Average Algebraic Difference**	**Calibration Precision**	**Calibration Precision < 10**	**Average Response Time**
	(ppm)	**(sec)**	**(ppm)**	**(sec)**	**(ppm)**	**(sec)**	**(ppm)**		**(%)**		**(s)**
ZERO	0										
Calibration Gas #1	500	6.8	475.3	6.8	475.6	6.7	475.6	24.5	4.9%	Yes	6.8

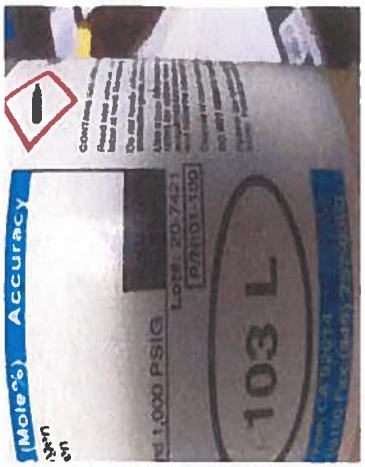
Gas Sequence ID :	0	**Date/Time :**	7/11/2023 4:41:32 AM
Gas Manufacturer :	intermountain	**Gas Lot Number :**	20-7421
Gas Expiration Date :	7/10/2024	**Bottle Pressure :**	1000
Misc Ref No :	N/A	**Technical Name :**	N/A
UN# :	N/A	**Cylinder ID :**	N/A

Gas Sequence ID :	1	**Date/Time :**	7/11/2023 4:41:32 AM
Gas Manufacturer :	Premier Safety	**Gas Lot Number :**	2-055-87
Gas Expiration Date :	3/1/2025	**Bottle Pressure :**	1000
Misc Ref No :	N/A	**Technical Name :**	N/A
UN# :	N/A	**Cylinder ID :**	N/A

Project :	RES_SimiValley landfill	**Date/Time :**	7/13/2023 4:45:45 AM
Model Number :	INSPECTRA	**Serial Number :**	811121
Latitude :	34.0563802	**Longitude :**	-117.3072875
Test Status :	Completed	**Test Notes :**	Test successfully completed at 2023-Jul-13 04:47 using one span gas.

		Measurement #1		Measurement #2		Measurement #3					
GAS USED		T90	Reading	T90	Reading	T90	Reading	Average Algebraic Difference	Calibration Precision	Calibration Precision < 10	Average Response Time
	(ppm)	(sec)	(ppm)	(sec)	(ppm)	(sec)	(ppm)		(%)		(s)
ZERO	0										
Calibration Gas #1	500	7.0	474.9	7.0	474	7.0	475	25.4	5.1%	Yes	7.0

Gas Sequence ID :	0	**Date/Time :**	7/13/2023 4:45:45 AM
Gas Manufacturer :	intermountain	**Gas Lot Number :**	20-7421
Gas Expiration Date :	7/10/2024	**Bottle Pressure :**	1000
Misc Ref No :	N/A	**Technical Name :**	N/A
UN# :	N/A	**Cylinder ID :**	N/A

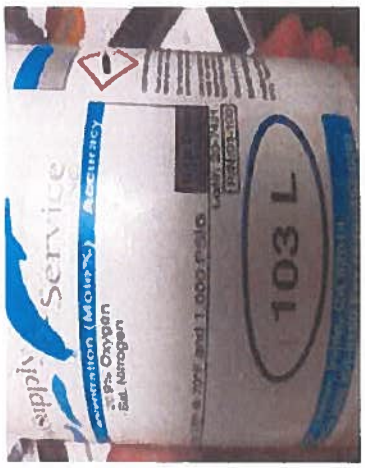


Gas Sequence ID :	1	**Date/Time :**	7/13/2023 4:45:45 AM
Gas Manufacturer :	Premier Safety	**Gas Lot Number :**	2-055-87
Gas Expiration Date :	3/1/2025	**Bottle Pressure :**	1000
Misc Ref No :	N/A	**Technical Name :**	N/A
UN# :	N/A	**Cylinder ID :**	N/A

Project :	RES_SimiValley landfill	**Date/Time :**	7/11/2023 4:45:25 AM
Model Number :	INSPECTRA	**Serial Number :**	761121
Latitude :	34.0563836	**Longitude :**	-117.307298
Test Status :	Completed	**Test Notes :**	Test successfully completed at 2023-Jul-11 04:46 using one span gas.

		Measurement #1		Measurement #2		Measurement #3					
GAS USED		**T90**	**Reading**	**T90**	**Reading**	**T90**	**Reading**	**Average Algebraic Difference**	**Calibration Precision**	**Calibration Precision < 10**	**Average Response Time**
	(ppm)	**(sec)**	**(ppm)**	**(sec)**	**(ppm)**	**(sec)**	**(ppm)**		**(%)**		**(s)**
ZERO	0										
Calibration Gas #1	500	6.8	471	6.8	472	6.8	471.9	28.4	5.7%	Yes	6.8

Gas Sequence ID :	0	**Date/Time :**	7/11/2023 4:45:25 AM
Gas Manufacturer :	intermountain	**Gas Lot Number :**	20-7421
Gas Expiration Date :	7/10/2024	**Bottle Pressure :**	1000
Misc Ref No :	N/A	**Technical Name :**	N/A
UN# :	N/A	**Cylinder ID :**	N/A



Gas Sequence ID :	1	**Date/Time :**	7/11/2023 4:45:25 AM
Gas Manufacturer :	Premier Safety	**Gas Lot Number :**	2-055-87
Gas Expiration Date :	3/1/2025	**Bottle Pressure :**	1000
Misc Ref No :	N/A	**Technical Name :**	N/A
UN# :	N/A	**Cylinder ID :**	N/A

Intermountain Specialty Gases
520 N. Kings Road
Nampa, ID 83687 (USA)
Phone (800) 552-5003, Fax (208) 466-9143
www.isgases.com

INTERMOUNTAIN SPECIALTY GASES
"Your calibration gas manufacturer since 1992"

CERTIFICATE OF ANALYSIS

Composition	Certification	Analytical Accuracy (+/-)
Oxygen	20.9 %	2%
Nitrogen	Balance UHP	

Lot #	**20-7421**
Mfg. Date:	5/20/2020
Expiration Date:	
Transfill Date:	see cylinder
Parent Cylinder ID Number:	NY02268

Method of Preparation:
Gravimetric/Pressure Transfilled

Method of Analysis:
The parent mix was prepared gravimetrically and is traceable to the NIST by certified weights (ID #CA10814) used to calibrate the scale.

Analysis By: Tony Janquart
Title: Quality Assurance Manager
Certificate Date: 5/20/2020


Service
INC
Concentration (Mole%) Accuracy
- 20.9% Oxygen
- Bal. Nitrogen
Lot#: 20-7421
P/N:01-100
103 L
Kaiser Avenue, Irvine, CA 92614
(800) 201-8150 Fax (949) 757-0363
103-01-100
103 L

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CERTIFICATE OF ANALYSIS

Composition	Certification	Analytical Accuracy
Methane	25 ppm	± 5%
Air	Balance	

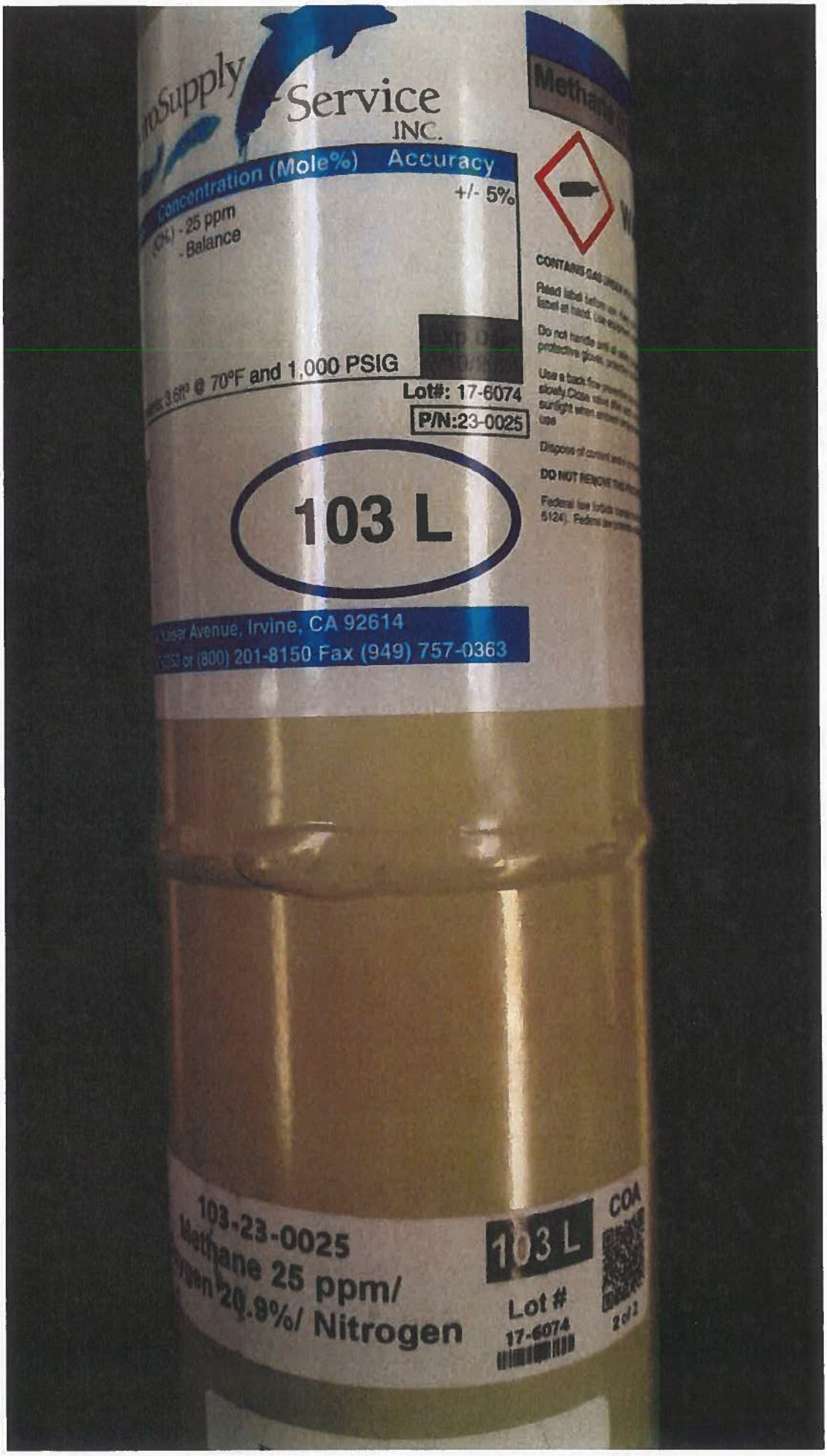
Lot # 17-6074

Mfg. Date: 10/16/2017
Parent Cylinder ID Number: 17161

Method of Preparation:
Gravimetric/Pressure Transfilled

Method of Analysis:
The parent mix was prepared gravimetrically and is traceable to the NIST by certified weights (ID #CA10814) used to calibrate the scale.

Analysis By: Tony Janquart
Quality Assurance Manager
800-552-5003
Certificate Date: 10/16/2017


Service
INC.
Concentration (Mole%)
Accuracy
+/- 5%
- 25 ppm
- Balance
@ 70°F and 1,000 PSIG
Lot#: 17-6074
P/N:23-0025
103 L
Avenue, Irvine, CA 92614
(800) 201-8150 Fax (949) 757-0363
103-23-0025
Methane 25 ppm/
20.8%/ Nitrogen
103 L
Lot #
17-6074
COA

INTERMOUNTAIN SPECIALTY GASES

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800-552-5003 • www.isgases.com

CERTIFICATE OF ANALYSIS

Composition	Certification	Analytical Accuracy
Methane	25 ppm	± 5%
Air	Balance	

Lot # 17-6074

Mfg. Date: 10/16/2017

Parent Cylinder ID Number: 17161

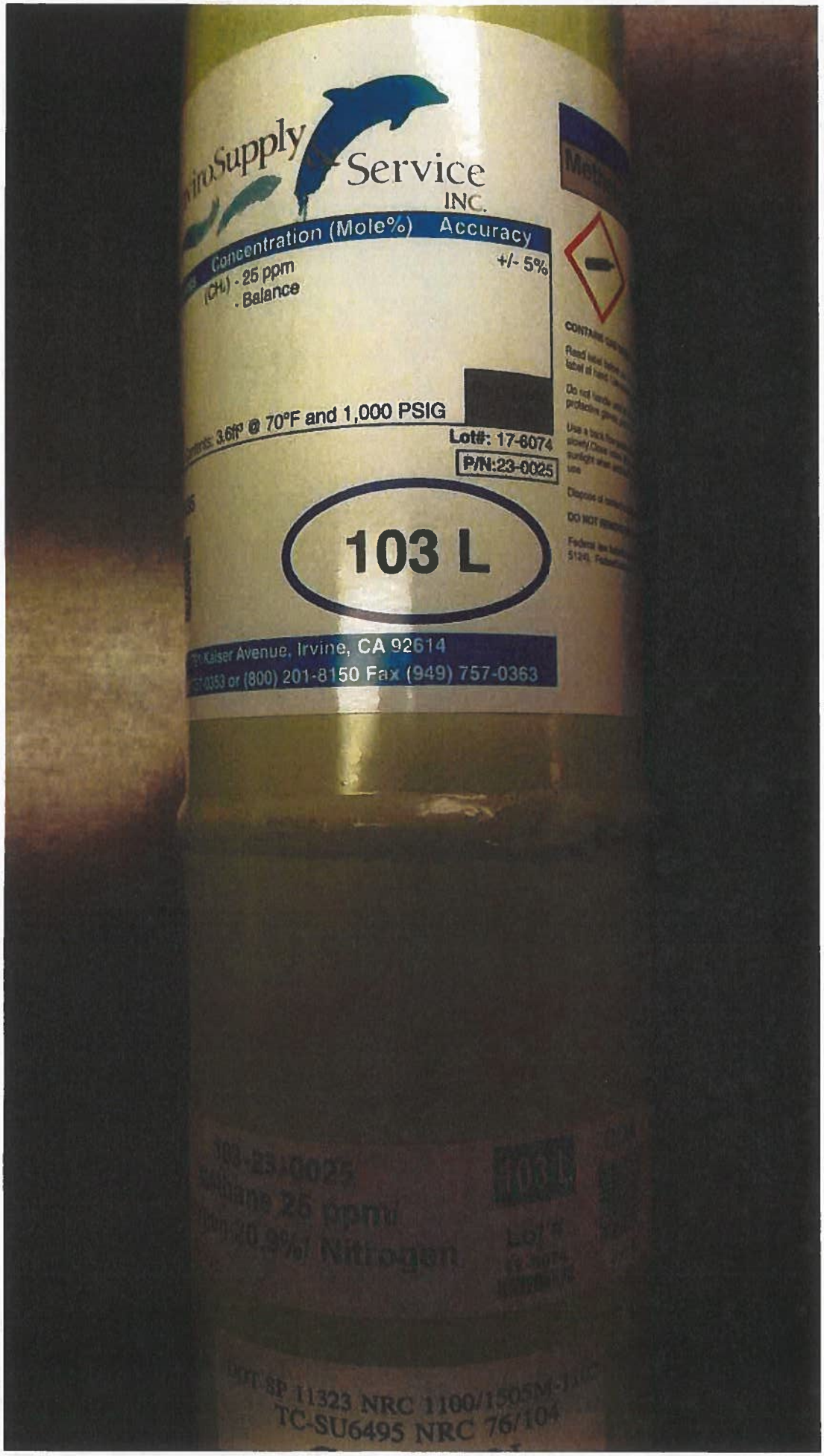
Method of Preparation:

Gravimetric/Pressure Transfilled

Method of Analysis:

The parent mix was prepared gravimetrically and is traceable to the NIST by certified weights (ID #CA10814) used to calibrate the scale.

Analysis By: Tony Janquart
Quality Assurance Manager
800-552-5003
Certificate Date: 10/16/2017


Supply
Service
INC.
Concentration (Mole%)
Accuracy
(CH4) - 25 ppm
. Balance
+/- 5%
Lot#: 17-6074
P/N:23-0025
103 L
Kaiser Avenue, Irvine, CA 92614
(800) 201-8150 Fax (949) 757-0363
TC-SU6495 NRC 76/104

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INTERMOUNTAIN SPECIALTY GASES
"Your calibration gas manufacturer since 1992"

CERTIFICATE OF ANALYSIS

Composition	Certification	Analytical Accuracy (+/-)
Methane	500 ppm	2%
Oxygen	20.9 %	2%
Nitrogen	Balance UHP	

Lot #	**20-7497**
Mfg. Date:	7/10/2020
Expiration Date:	
Transfill Date:	see cylinder
Parent Cylinder ID Number:	TWC001763

Method of Preparation:

Gravimetric/Pressure Transfilled

Method of Analysis:

The parent mix was prepared gravimetrically and is traceable to the NIST by certified weights (ID #CA10814) used to calibrate the scale.

Analysis By:	Tony Janquart
Title:	Quality Assurance Manager
Certificate Date:	7/10/2020


Supply Service INC.
Accuracy
+/- 2%
Lot#: 20-7497
P/N:23-0500
103 L
Irvine, CA 92614
(949) 757-0363
Methane
103 L
COA
Lot #
20-7497

INTERMOUNTAIN SPECIALTY GASES

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800-552-5003 • www.isgases.com

CERTIFICATE OF ANALYSIS

Composition	Certification	Analytical Accuracy
Methane	500 ppm	± 2%
Air	Balance	

Lot # 19-6955

Mfg. Date: 7/24/2019

Parent Cylinder ID Number: 001763

Method of Preparation:

Gravimetric/Pressure Transfilled

Method of Analysis:

The parent mix was prepared gravimetrically and is traceable to the NIST by certified weights (ID #CA10814) used to calibrate the scale.

Analysis By: Tony Janquart
Quality Assurance Manager
800-552-5003
Certificate Date: 7/24/2019


Service
INC.
Accuracy
+/- 2%
Exp Date
Lot#: 19-6955
P/N:23-0500
103 L
Methane
103 L
COA
Lot #
19-6955
4 of 5
Nitrogen
NRC 1100/1505M-1102
TC-SU6495 NRC 76/104
CAUTION
FEDERAL LAW FORBIDS
TRANSPORTATION IF
REFILLED-PENALTY UP
TO $500,000 FINE AND
5 YEARS IMPRISONMENT

Nor

Calibration Gases & Equipment

CERTIFICATE OF ANALYSIS

Premier Safety & Service

46400 Continental Drivve
Chesterfield ,MI 48047

Cust Number 07152
Order Number 62891146
PO Number 04548169

Lot Number 9-326-80
Norlab Part# J1971500PA
Cylinder Size 103 Liter
Number of Cyl 1

Customer Part# N/A

Date on Manufacture 12/31/2019
Expires 12/2022
Analytical Accuracy +/- 2 %

Component	Reported Concentration	Requested Concentration
Methane	500 ppm	500 ppm
Air	Balance	Balance

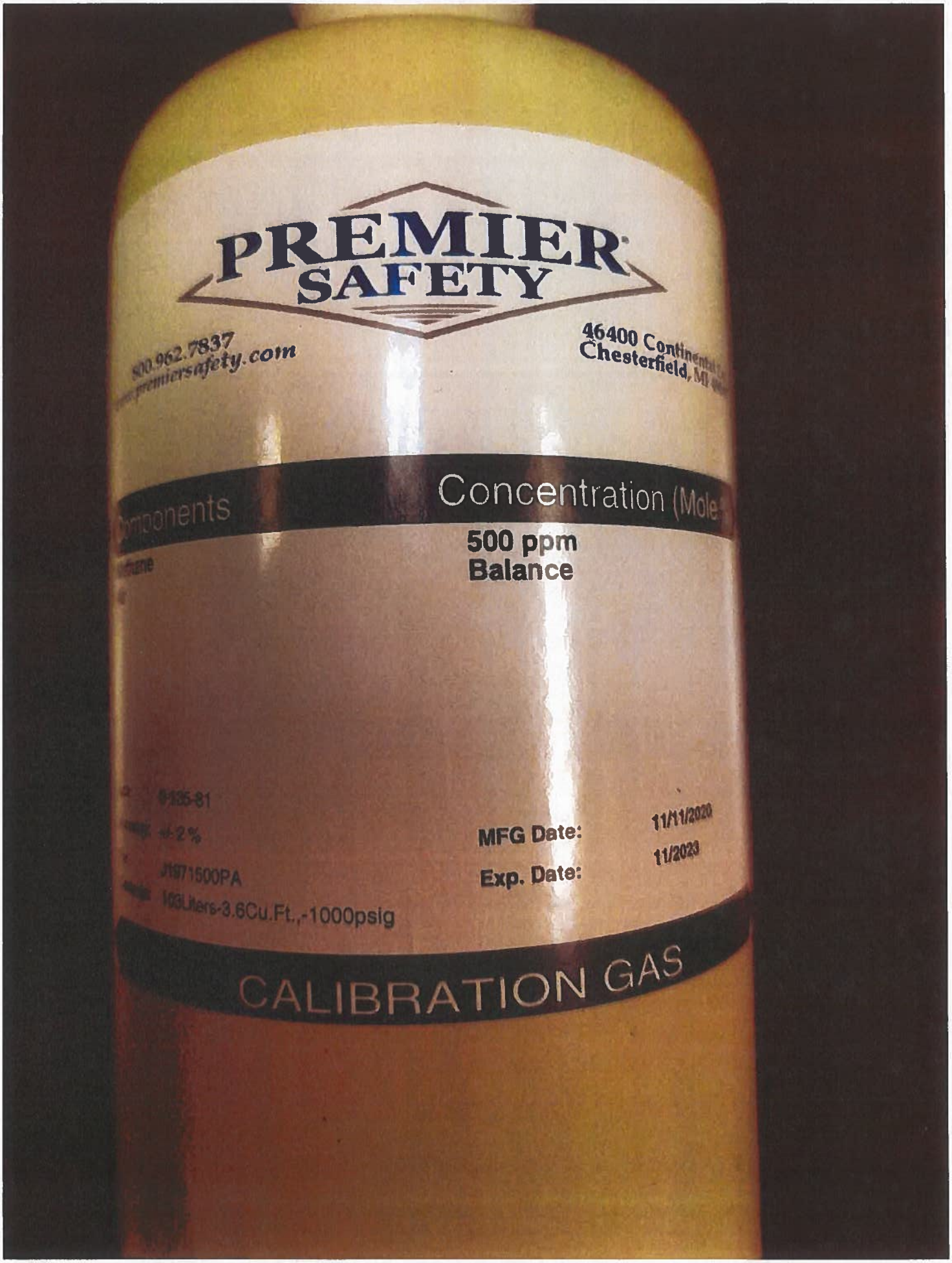
Storage: Keep away from heat, flames, and sparks. Store and use with adequate ventilation. Close valve when not in use and when empty. Never allow cylinder temperature to exceed 125 degrees F.

The cylinders in this lot were transfilled from cylinders prepared gravimetrically and traceable to the NIST by the certified weights used to calibrate the scale. The transfilled cylinders were then analyzed against standards traceable to the NIST by weights or SRMs.

NIST Traceable Numbers 20180519 and 20180224

Approved: _____ Date Signed: 12/31/2019
David Reed
Lab Technician

398 W. GOWEN ROAD • BOISE, IDAHO 83705
Phone (208) 336-1643 • Fax (208) 331-3038 • 800-657-6672


PREMIER
SAFETY
800.962.7837
premiersafety.com
46400 Continental
Chesterfield, MI
Components
Concentration (Mole
500 ppm
Balance
+/-2%
MFG Date:
11/11/2020
Exp. Date:
11/2023
103Liters-3.6Cu.Ft.,-1000psig
CALIBRATION GAS

NorLAB®
A DIVISION OF NORCO, INC.
Calibration Gases & Equipment

CERTIFICATE OF ANALYSIS

Premier Safety & Service

33596 Sterling Pond Blvd
Sterling Hights MI 48312

Cust Number 07152
Order Number 69679439
PO Number 04906817

Lot Number 2-154-85
Norlab Part# J1002
Cylinder Size 103 Liter
Number of Cyl 1

Customer Part# N/A

Date on Manufacture 6/13/2022
Expires 06/2025
Analytical Accuracy Certified

Component	Reported Concentration	Requested Concentration
Air	Zero Grade	Zero Grade
Oxygen	20.9 %	20.9 %
T.H.C. (as Methane)	< 1.0 ppm	< 1.0 ppm
Nitrogen	Balance	Balance

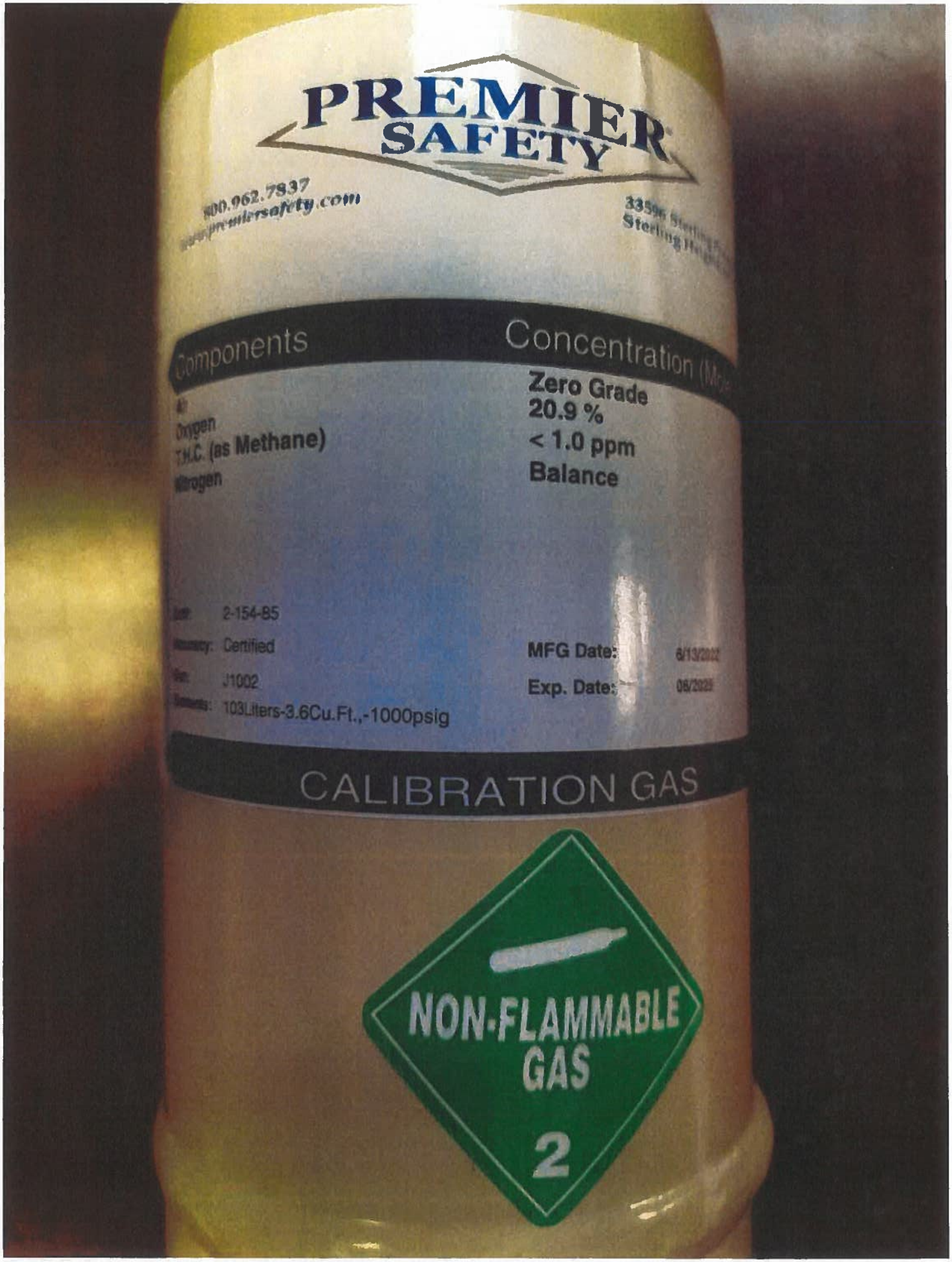
Storage: Keep away from heat, flames, and sparks. Store and use with adequate ventilation. Close valve when not in use and when empty. Never allow cylinder temperature to exceed 125 degrees F.

Minor constituents tested with standards traceable to NIST by mass or comparison to SRM's (Standard Reference Materials).

NIST Traceable Numbers are available upon request.

Approved: _____ Date Signed: 6/13/2022
David Reed
Lab Technician

898 W. GOWEN ROAD • BOISE, IDAHO 83705
Phone (208) 336-1643 • Fax (208) 331-3038 • 800-657-6672


PREMIER
SAFETY
800.962.7837
Components
Concentration
Zero Grade
20.9 %
< 1.0 ppm
Balance
Oxygen
T.H.C. (as Methane)
2-154-85
Certified
J1002
103Liters-3.6Cu.Ft.,-1000psig
MFG Date:
Exp. Date:
CALIBRATION GAS
NON-FLAMMABLE
GAS
2

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Calibration Gases & Equipment

CERTIFICATE OF ANALYSIS

Premier Safety & Service

33596 Sterling Pond Blvd
Sterling Hights MI 48312

Cust Number 07152
Order Number 69671309
PO Number 08361523

Lot Number 2-108-80
Norlab Part# J1971500PA
Cylinder Size 103 Liter
Number of Cyl 1

Customer Part# N/A

Date on Manufacture 6/10/2022
Expires 06/2025
Analytical Accuracy +/- 2 %

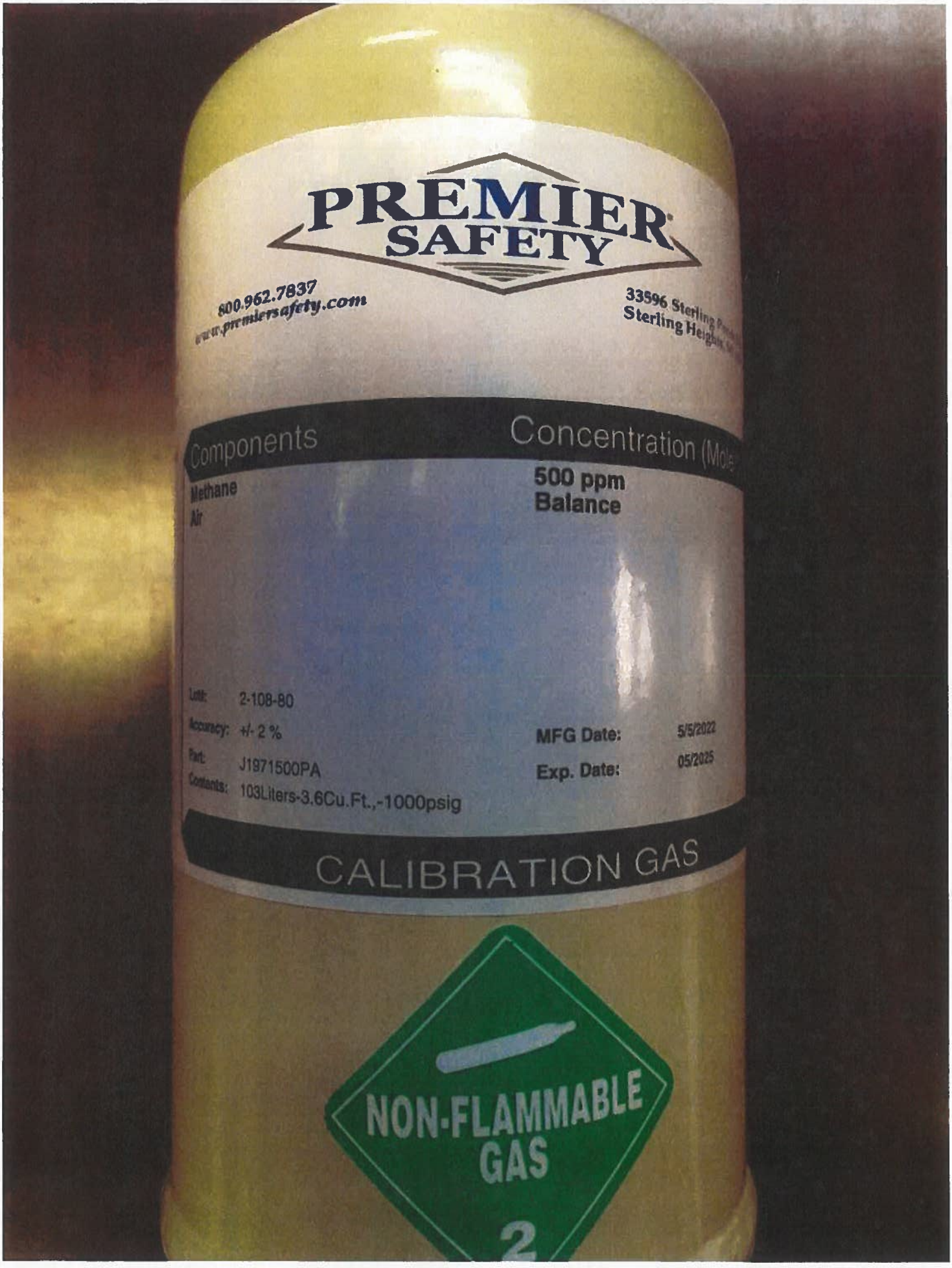
Component	Reported Concentration	Requested Concentration
Methane	500 ppm	500 ppm
Air	Balance	Balance

Storage: Keep away from heat, flames, and sparks. Store and use with adequate ventilation. Close valve when not in use and when empty. Never allow cylinder temperature to exceed 125 degrees F.

The cylinders in this lot were transfilled from cylinders prepared gravimetrically and traceable to the NIST by the certified weights used to calibrate the scale. The transfilled cylinders were then analyzed against standards traceable to the NIST by weights or SRMs. NIST Traceable Numbers are available upon request.

Approved: _____ Date Signed: 6/10/2022
David Reed
Lab Technician

898 W. GOWEN ROAD • BOISE, IDAHO 83705
Phone (208) 336-1643 • Fax (208) 331-3038 • 800-657-6672


PREMIER
SAFETY
800.962.7837
www.premiersafety.com
33596 Sterling
Sterling Heights
Components
Concentration (Mole
Methane
Air
500 ppm
Balance
Lot#: 2-108-80
Accuracy: +/- 2 %
Part: J1971500PA
Contents: 103Liters-3.6Cu.Ft.,-1000psig
MFG Date: 5/5/2022
Exp. Date: 05/2025
CALIBRATION GAS
NON-FLAMMABLE
GAS
2

NorLAB®
A DIVISION OF NORCO, INC.

Calibration Gases & Equipment

CERTIFICATE OF ANALYSIS

Norco, Inc
Twin Falls Warehouse
203 S. Park Ave. West
Twin Falls, ID 83301

Cust Number WH012
Order Number 71846398
PO Number 04A35563

Lot Number	3-088-88	Date on Manufacture	4/7/2023
Norlab Part#	J1971500PA	Expires	04/2027
Cylinder Size	103 Liter	Analytical Accuracy	+/- 2 %
Number of Cyl	5		

Customer Part# N/A

Component	Reported Concentration	Requested Concentration
Methane	500 ppm	500 ppm
Air	Balance	Balance

Storage: Keep away from heat, flames, and sparks. Store and use with adequate ventilation. Close valve when not in use and when empty. Never allow cylinder temperature to exceed 125 degrees F.

The cylinders in this lot were transfilled from cylinders prepared gravimetrically and traceable to the NIST by the certified weights used to calibrate the scale. The transfilled cylinders were then analyzed against standards traceable to the NIST by weights or SRMs.

NIST Traceable Numbers are available upon request.

Approved: _____ Date Signed: 4/7/2023

Jeff Korn
Lab Technician

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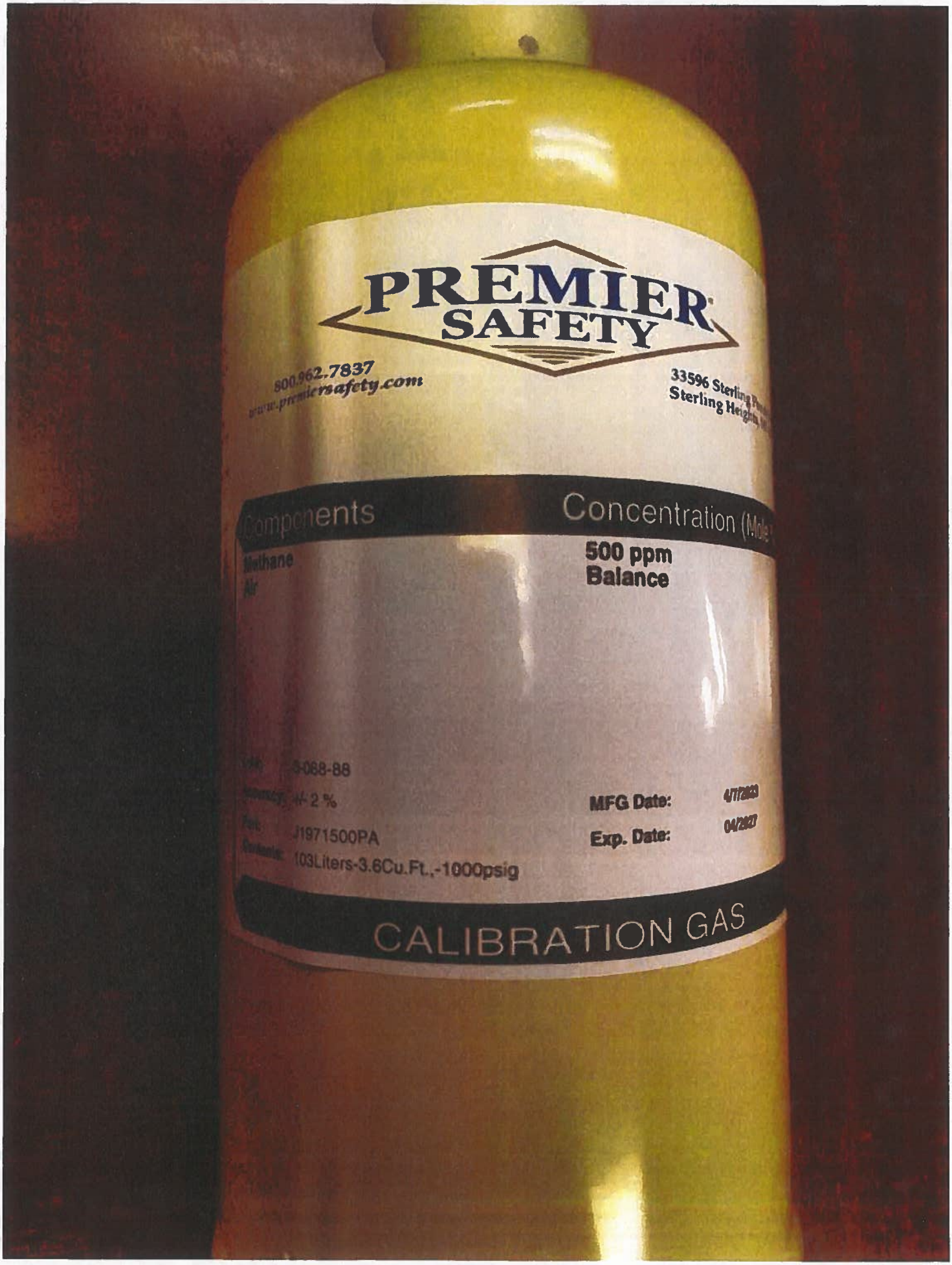
PREMIER
SAFETY
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www.premiersafety.com
33596 Sterling
Sterling Heights
Components
Concentration (Mole
Methane
Air
500 ppm
Balance
3-088-88
+/- 2 %
MFG Date:
J1971500PA
Exp. Date:
04/2027
103Liters-3.6Cu.Ft.,-1000psig
CALIBRATION GAS

RES Environmental Inc.

TVA1000B CALIBRATION VERIFICATION

CUSTOMER: RES Unit #1

SERIAL NUMBER: 16320832

TECHNICIAN: [signature] DATE: 7-7-23

GAS CALIBRATION CHECK (PERFORMED AT ROOM TEMPERATURE)

FID			
METHANE GAS NOMINAL (ppm)	CALIBRATION GAS (ppm)	TVA READING (ppm)	TOLERANCE (ppm)
100	100	100	+/- 25
500	500	500	+/- 125
10000	10000	10,202	+/- 2500
< 1	ZERO GAS	0.49	< 3
PID			
ISOBUTYLENE GAS NOMINAL (ppm)	CALIBRATION GAS (ppm)	TVA READING (ppm)	TOLERANCE (ppm)
50	50		+/- 12.5
100	100		+/- 25
500	500		+/- 125
< 1	ZERO GAS		< 3

All measurement standards are calibrated at scheduled intervals by the National Institute of Standards and Technology (NIST), or against certified standards, which are traceable to the National Institute of Standards and Technology.

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RES Environmental Inc.

TVA1000B CALIBRATION VERIFICATION

CUSTOMER: RES VAULT #2

SERIAL NUMBER: 784545

TECHNICIAN: MM DATE: 7-7-23

GAS CALIBRATION CHECK (PERFORMED AT ROOM TEMPERATURE)

FID			
METHANE GAS NOMINAL (ppm)	CALIBRATION GAS (ppm)	TVA READING (ppm)	TOLERANCE (ppm)
100	100	100	+/- 25
500	500	500	+/- 125
10000	10000	10,000	+/- 2500
< 1	ZERO GAS	0.76	< 3
PID			
ISOBUTYLENE GAS NOMINAL (ppm)	CALIBRATION GAS (ppm)	TVA READING (ppm)	TOLERANCE (ppm)
50	50	/	+/- 12.5
100	100	/	+/- 25
500	500	/	+/- 125
< 1	ZERO GAS	/	< 3

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RES Environmental Inc.

TVA1000B CALIBRATION VERIFICATION

CUSTOMER: RES CWO #3

SERIAL NUMBER: 15865884

TECHNICIAN: [signature] DATE: 7-7-23

GAS CALIBRATION CHECK (PERFORMED AT ROOM TEMPERATURE)

FID			
METHANE GAS NOMINAL (ppm)	CALIBRATION GAS (ppm)	TVA READING (ppm)	TOLERANCE (ppm)
100	100	99	+/- 25
500	500	500	+/- 125
10000	10000	10,006	+/- 2500
< 1	ZERO GAS	0.79	< 3
PID			
ISOBUTYLENE GAS NOMINAL (ppm)	CALIBRATION GAS (ppm)	TVA READING (ppm)	TOLERANCE (ppm)
50	50		+/- 12.5
100	100		+/- 25
500	500		+/- 125
< 1	ZERO GAS		< 3

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RES Environmental Inc.

TVA1000B CALIBRATION VERIFICATION

CUSTOMER: RES Unit #9

SERIAL NUMBER: 16319830

TECHNICIAN: [signature] DATE: 7-7-23

GAS CALIBRATION CHECK (PERFORMED AT ROOM TEMPERATURE)

FID			
METHANE GAS NOMINAL (ppm)	CALIBRATION GAS (ppm)	TVA READING (ppm)	TOLERANCE (ppm)
100	100	100	+/- 25
500	500	501	+/- 125
10000	10000	10,211	+/- 2500
< 1	ZERO GAS	0.63	< 3
PID			
ISOBUTYLENE GAS NOMINAL (ppm)	CALIBRATION GAS (ppm)	TVA READING (ppm)	TOLERANCE (ppm)
50	50	/	+/- 12.5
100	100	/	+/- 25
500	500	/	+/- 125
< 1	ZERO GAS	/	< 3

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RES Environmental Inc.

TVA1000B CALIBRATION VERIFICATION

CUSTOMER: RES Unit #5

SERIAL NUMBER: 49/9480

TECHNICIAN: [signature] DATE: 7-7-23

GAS CALIBRATION CHECK (PERFORMED AT ROOM TEMPERATURE)

FID			
METHANE GAS NOMINAL (ppm)	CALIBRATION GAS (ppm)	TVA READING (ppm)	TOLERANCE (ppm)
100	100	100	+/- 25
500	500	500	+/- 125
10000	10000	10,000	+/- 2500
< 1	ZERO GAS	0.63	< 3
PID			
ISOBUTYLENE GAS NOMINAL (ppm)	CALIBRATION GAS (ppm)	TVA READING (ppm)	TOLERANCE (ppm)
50	50	/	+/- 12.5
100	100	/	+/- 25
500	500	/	+/- 125
< 1	ZERO GAS	/	< 3

All measurement standards are calibrated at scheduled intervals by the National Institute of Standards and Technology (NIST), or against certified standards, which are traceable to the National Institute of Standards and Technology.

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RES Environmental Inc.

TVA1000B CALIBRATION VERIFICATION

CUSTOMER: RES Unit #6

SERIAL NUMBER: 0720723626

TECHNICIAN: [signature] DATE: 7-7-23

GAS CALIBRATION CHECK (PERFORMED AT ROOM TEMPERATURE)

FID			
METHANE GAS NOMINAL (ppm)	CALIBRATION GAS (ppm)	TVA READING (ppm)	TOLERANCE (ppm)
100	100	100	+/- 25
500	500	500	+/- 125
10000	10000	10,001	+/- 2500
< 1	ZERO GAS	0.69	< 3
PID			
ISOBUTYLENE GAS NOMINAL (ppm)	CALIBRATION GAS (ppm)	TVA READING (ppm)	TOLERANCE (ppm)
50	50		+/- 12.5
100	100		+/- 25
500	500		+/- 125
< 1	ZERO GAS		< 3

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RES Environmental Inc.

TVA1000B CALIBRATION VERIFICATION

CUSTOMER: RES Unit #7

SERIAL NUMBER: 0720723627

TECHNICIAN: [signature] DATE: 7-7-23

GAS CALIBRATION CHECK (PERFORMED AT ROOM TEMPERATURE)

FID			
METHANE GAS NOMINAL (ppm)	CALIBRATION GAS (ppm)	TVA READING (ppm)	TOLERANCE (ppm)
100	100	100	+/- 25
500	500	500	+/- 125
10000	10000	10,101	+/- 2500
< 1	ZERO GAS	0.64	< 3
PID			
ISOBUTYLENE GAS NOMINAL (ppm)	CALIBRATION GAS (ppm)	TVA READING (ppm)	TOLERANCE (ppm)
50	50		+/- 12.5
100	100		+/- 25
500	500		+/- 125
< 1	ZERO GAS		< 3

All measurement standards are calibrated at scheduled intervals by the National Institute of Standards and Technology (NIST), or against certified standards, which are traceable to the National Institute of Standards and Technology.

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RES Environmental Inc.

TVA1000B CALIBRATION VERIFICATION

CUSTOMER: RES Unit #9

SERIAL NUMBER: 0532113801

TECHNICIAN: [signature] DATE: 7-7-23

GAS CALIBRATION CHECK (PERFORMED AT ROOM TEMPERATURE)

FID			
METHANE GAS NOMINAL (ppm)	CALIBRATION GAS (ppm)	TVA READING (ppm)	TOLERANCE (ppm)
100	100	100	+/- 25
500	500	500	+/- 125
10000	10000	10,000	+/- 2500
< 1	ZERO GAS	0.61	< 3
PID			
ISOBUTYLENE GAS NOMINAL (ppm)	CALIBRATION GAS (ppm)	TVA READING (ppm)	TOLERANCE (ppm)
50	50		+/- 12.5
100	100		+/- 25
500	500		+/- 125
< 1	ZERO GAS		< 3

All measurement standards are calibrated at scheduled intervals by the National Institute of Standards and Technology (NIST), or against certified standards, which are traceable to the National Institute of Standards and Technology.

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RES Environmental Inc.

SURFACE EMISSION MONITORING INSTRUMENT
CALIBRATION LOG

Site: _____

Purpose: _____

Operator: JM JM

Date: 7-7-23 Time: 0500

Model # TVA #1

Serial # 1632083 2

INSTRUMENT INTEGRITY CHECKLIST		INSTRUMENT CALIBRATION
Battery test	(Pass) / Fail	CALIBRATION CHECK
Reading following ignition	2.3 ppm	Calibration Gas (ppm): 500 — Actual (ppm): 500 — % Accuracy: 100%
Leak test	(Pass) / Fail / NA	RESPONSE TIME
Clean system check (check valve chatter)	(Pass) / Fail / NA	Calibration Gas, ppm: 500
H_2 supply pressure gauge (acceptable range 9.5 - 12)	(Pass) / Fail / NA	90% of Calibration Gas, ppm: 450
Date of last factory calibration	7-7-23	Time required to attain 90% of Cal Gas ppm: 1. 5 2. 5 3. 6
Factory calibration record w/instrument within 3 months	(Pass) / Fail	Average: 5.3
		Equal to or less than 30 seconds? (Y) N
		Instrument calibrated to CH4 gas.

Comments: _____

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RES Environmental Inc.

SURFACE EMISSION MONITORING INSTRUMENT
CALIBRATION LOG

Site: _____

Purpose: _____

Operator: JM JM

Date: 7-7-23 Time: 0515

Model # TVA 1000

Serial # #2 7784545

INSTRUMENT INTEGRITY CHECKLIST		INSTRUMENT CALIBRATION
Battery test	(Pass) / Fail	CALIBRATION CHECK
Reading following ignition	2.3 ppm	Calibration Gas (ppm): 500 / Actual (ppm): 500 / % Accuracy: 100%
Leak test	(Pass) / Fail / NA	RESPONSE TIME
Clean system check (check valve chatter)	(Pass) / Fail / NA	Calibration Gas, ppm: 500
H_2 supply pressure gauge (acceptable range 9.5 - 12)	(Pass) / Fail / NA	90% of Calibration Gas, ppm: 450
Date of last factory calibration	7-7-23	Time required to attain 90% of Cal Gas ppm: 1. 6 / 2. 6 / 3. 6
Factory calibration record w/instrument within 3 months	(Pass) / Fail	Average: 6.0
		Equal to or less than 30 seconds? (Y) N
		Instrument calibrated to CH4 gas.

Comments: _____

465

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RES Environmental Inc.

SURFACE EMISSION MONITORING INSTRUMENT
CALIBRATION LOG

Site: _____

Purpose: _____

Operator: JM JM

Date: 7-7-23 Time: 0530

Model # TVA 1000

Serial # #3 158658864

INSTRUMENT INTEGRITY CHECKLIST		INSTRUMENT CALIBRATION
Battery test	(Pass) / Fail	CALIBRATION CHECK
Reading following ignition	2.1 ppm	Calibration Gas (ppm): 500 / Actual (ppm): 500 / % Accuracy: 100%
Leak test	(Pass) / Fail / NA	RESPONSE TIME
Clean system check (check valve chatter)	(Pass) / Fail / NA	Calibration Gas, ppm: 500
H_2 supply pressure gauge (acceptable range 9.5 - 12)	(Pass) / Fail / NA	90% of Calibration Gas, ppm: 450
Date of last factory calibration	7-7-23	Time required to attain 90% of Cal Gas ppm: 1. 5 / 2. 5 / 3. 5 / Average 5.0
Factory calibration record w/instrument within 3 months	(Pass) / Fail	Equal to or less than 30 seconds? (Y) N
		Instrument calibrated to Calty gas.

Comments: _____

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RES Environmental Inc.

SURFACE EMISSION MONITORING INSTRUMENT
CALIBRATION LOG

Site: _____

Purpose: _____

Operator: _____

Date: 7-7-23 Time: 0545

Model # TVA 1000

Serial # #4 16319830

INSTRUMENT INTEGRITY CHECKLIST		INSTRUMENT CALIBRATION
Battery test	(Pass) / Fail	CALIBRATION CHECK
Reading following ignition	2.4 ppm	Calibration Gas (ppm): 500 / Actual (ppm): 500 / % Accuracy: 100%
Leak test	(Pass) / Fail / NA	RESPONSE TIME
Clean system check (check valve chatter)	(Pass) / Fail / NA	Calibration Gas, ppm: 500
H_2 supply pressure gauge (acceptable range 9.5 - 12)	(Pass) / Fail / NA	90% of Calibration Gas, ppm: 450
Date of last factory calibration	7-7-23	Time required to attain 90% of Cal Gas ppm: 1. 6 / 2. 6 / 3. 5
Factory calibration record w/instrument within 3 months	(Pass) / Fail	Average: 5.6
		Equal to or less than 30 seconds? (Y) N
		Instrument calibrated to Alky gas.

Comments: _____

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RES Environmental Inc.

SURFACE EMISSION MONITORING INSTRUMENT
CALIBRATION LOG

Site: _____

Purpose: _____

Operator: _____

Date: 7-7-23 Time: 0600

Model # TVA 1000

Serial # #5 4919480

INSTRUMENT INTEGRITY CHECKLIST		INSTRUMENT CALIBRATION
Battery test	(Pass) / Fail	CALIBRATION CHECK
Reading following ignition	1.9 ppm	Calibration Gas (ppm): 500 / Actual (ppm): 500 / % Accuracy: 100%
Leak test	(Pass) / Fail / NA	RESPONSE TIME
Clean system check (check valve chatter)	(Pass) / Fail / NA	Calibration Gas, ppm: 500
H_2 supply pressure gauge (acceptable range 9.5 - 12)	(Pass) / Fail / NA	90% of Calibration Gas, ppm: 450
Date of last factory calibration	7-7-23	Time required to attain 90% of Cal Gas ppm: 1. 5 / 2. 5 / 3. 7 / Average 5.6
Factory calibration record w/instrument within 3 months	(Pass) / Fail	Equal to or less than 30 seconds? (Y) N
		Instrument calibrated to Cthy gas.

Comments: _____

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RES Environmental Inc.

SURFACE EMISSION MONITORING INSTRUMENT
CALIBRATION LOG

Site: _____

Purpose: _____

Operator: JM JM

Date: 7-7-23 Time: 0615

Model # TVA 1000

Serial # #6 0720123626

INSTRUMENT INTEGRITY CHECKLIST		INSTRUMENT CALIBRATION
Battery test	(Pass) / Fail	CALIBRATION CHECK
Reading following ignition	2.6 ppm	Calibration Gas (ppm): 500 / Actual (ppm): 500 / % Accuracy: 100%
Leak test	(Pass) / Fail / NA	RESPONSE TIME
Clean system check (check valve chatter)	(Pass) / Fail / NA	Calibration Gas, ppm: 500
H_2 supply pressure gauge (acceptable range 9.5 - 12)	(Pass) / Fail / NA	90% of Calibration Gas, ppm: 450
Date of last factory calibration	7-7-23	Time required to attain 90% of Cal Gas ppm: 1. 6 / 2. 6 / 3. 7 / Average 6.3
Factory calibration record w/instrument within 3 months	(Pass) / Fail	Equal to or less than 30 seconds? (Y) N
		Instrument calibrated to CH4 gas.

Comments: _____

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RES Environmental Inc.

SURFACE EMISSION MONITORING INSTRUMENT
CALIBRATION LOG

Site: _____

Purpose: _____

Operator: _____

Date: 7-7-23 Time: 0630

Model # TVA 1000

Serial # #9 0572113801

INSTRUMENT INTEGRITY CHECKLIST		INSTRUMENT CALIBRATION
Battery test	(Pass) / Fail	CALIBRATION CHECK
Reading following ignition	2.5 ppm	Calibration Gas (ppm): 500
Leak test	(Pass) / Fail / NA	Actual (ppm): 500
Clean system check (check valve chatter)	(Pass) / Fail / NA	% Accuracy: 100 %
H_2 supply pressure gauge (acceptable range 9.5 - 12)	(Pass) / Fail / NA	RESPONSE TIME
Date of last factory calibration	7-7-23	Calibration Gas, ppm: 500
Factory calibration record w/instrument within 3 months	(Pass) / Fail	90% of Calibration Gas, ppm: 450
		Time required to attain 90% of Cal Gas ppm
		1. 5
		2. 5
		3. 5
		Average 5.0
		Equal to or less than 30 seconds? (Y) N
		Instrument calibrated to CH4 gas.

Comments: _____

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RES Environmental Inc.

SURFACE EMISSION MONITORING INSTRUMENT
CALIBRATION LOG

Site: _____

Purpose: _____

Operator: JM MM

Date: 7-7-23 Time: 0645

Model # TVA-1000

Serial # #29 1031445324

INSTRUMENT INTEGRITY CHECKLIST		INSTRUMENT CALIBRATION
Battery test	(Pass) / Fail	CALIBRATION CHECK
Reading following ignition	2.3 ppm	Calibration Gas (ppm): 500 / Actual (ppm): 500 / % Accuracy: 100%
Leak test	(Pass) / Fail / NA	RESPONSE TIME
Clean system check (check valve chatter)	(Pass) / Fail / NA	Calibration Gas, ppm: 500
H_2 supply pressure gauge (acceptable range 9.5 - 12)	(Pass) / Fail / NA	90% of Calibration Gas, ppm: 450
Date of last factory calibration	7-7-23	Time required to attain 90% of Cal Gas ppm: 1. 6 / 2. 6 / 3. 5 / Average 5.6
Factory calibration record w/instrument within 3 months	(Pass) / Fail	Equal to or less than 30 seconds? (Y) N
		Instrument calibrated to CH4 gas.

Comments: _____

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RES Environmental Inc.

SURFACE EMISSION MONITORING INSTRUMENT
CALIBRATION LOG

Site: _____

Purpose: _____

Operator: JM JM

Date: 8-4-23 Time: 0530

Model # TVA1000

Serial # #1163208 32

INSTRUMENT INTEGRITY CHECKLIST		INSTRUMENT CALIBRATION
Battery test	(Pass) / Fail	CALIBRATION CHECK
Reading following ignition	2.5 ppm	Calibration Gas (ppm): 500 / Actual (ppm): 500 / % Accuracy: 100%
Leak test	(Pass) / Fail / NA	RESPONSE TIME
Clean system check (check valve chatter)	(Pass) / Fail / NA	Calibration Gas, ppm: 500
H_2 supply pressure gauge (acceptable range 9.5 - 12)	(Pass) / Fail / NA	90% of Calibration Gas, ppm: 450
Date of last factory calibration	7-7-23	Time required to attain 90% of Cal Gas ppm: 1. 6 / 2. 6 / 3. 6
Factory calibration record w/instrument within 3 months	(Pass) / Fail	Average: 6.0
		Equal to or less than 30 seconds? (Y) N
		Instrument calibrated to CH4 gas.

Comments: _____

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RES Environmental Inc.

SURFACE EMISSION MONITORING INSTRUMENT
CALIBRATION LOG

Site: _____

Purpose: _____

Operator: JM JM

Date: 8-4-23 Time: 0545

Model # TVA 1000

Serial # #2 778545

INSTRUMENT INTEGRITY CHECKLIST		INSTRUMENT CALIBRATION
Battery test	(Pass) / Fail	CALIBRATION CHECK
Reading following ignition	2.0 ppm	Calibration Gas (ppm): 500 / Actual (ppm): 500 / % Accuracy: 100%
Leak test	(Pass) / Fail / NA	RESPONSE TIME
Clean system check (check valve chatter)	(Pass) / Fail / NA	Calibration Gas, ppm: 500
H_2 supply pressure gauge (acceptable range 9.5 - 12)	(Pass) / Fail / NA	90% of Calibration Gas, ppm: 450
Date of last factory calibration	7-7-23	Time required to attain 90% of Cal Gas ppm: 1. 6 / 2. 6 / 3. 6
Factory calibration record w/instrument within 3 months	(Pass) / Fail	Average 6.0
		Equal to or less than 30 seconds? (Y) N
		Instrument calibrated to CH_4 gas.

Comments: _____

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RES Environmental Inc.

SURFACE EMISSION MONITORING INSTRUMENT
CALIBRATION LOG

Site: _____

Purpose: _____

Operator: JM JM

Date: 8-4-23 Time: 0600

Model # TVA 1000

Serial # #3 158658884

INSTRUMENT INTEGRITY CHECKLIST		INSTRUMENT CALIBRATION
Battery test	(Pass) / Fail	CALIBRATION CHECK
Reading following ignition	1.9 ppm	Calibration Gas (ppm): 500 / Actual (ppm): 500 / % Accuracy: 100%
Leak test	(Pass) / Fail / NA	RESPONSE TIME
Clean system check (check valve chatter)	(Pass) / Fail / NA	Calibration Gas, ppm: 500
H_2 supply pressure gauge (acceptable range 9.5 - 12)	(Pass) / Fail / NA	90% of Calibration Gas, ppm: 450
Date of last factory calibration	7-7-23	Time required to attain 90% of Cal Gas ppm: 1. 6 / 2. 5 / 3. 6
Factory calibration record w/instrument within 3 months	(Pass) / Fail	Average: 5.6
		Equal to or less than 30 seconds? (Y) N
		Instrument calibrated to CH4 gas.

Comments: _____

465

P.O Box 748 • Colton, California 92324 •
(909) 422-1001 Toll Free (888) 325-1098 Fax (909) 422-0707 www.resenvironmental.com

RES Environmental Inc.

SURFACE EMISSION MONITORING INSTRUMENT
CALIBRATION LOG

Site: _____

Purpose: _____

Operator: _____

Date: 8-4-23 Time: 0615

Model # TVA-1000

Serial # #4 163198 30

INSTRUMENT INTEGRITY CHECKLIST		INSTRUMENT CALIBRATION
Battery test	(Pass) / Fail	CALIBRATION CHECK
Reading following ignition	2.2 ppm	Calibration Gas (ppm): 500 / Actual (ppm): 500 / % Accuracy: 100%
Leak test	(Pass) / Fail / NA	RESPONSE TIME
Clean system check (check valve chatter)	(Pass) / Fail / NA	Calibration Gas, ppm: 500
H_2 supply pressure gauge (acceptable range 9.5 - 12)	(Pass) / Fail / NA	90% of Calibration Gas, ppm: 450
Date of last factory calibration	7-7-23	Time required to attain 90% of Cal Gas ppm: 1. 6 / 2. 6 / 3. 5
Factory calibration record w/instrument within 3 months	(Pass) / Fail	Average: 5.6
		Equal to or less than 30 seconds? (Y) N
		Instrument calibrated to CH4 gas.

Comments: _____

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RES Environmental Inc.

SURFACE EMISSION MONITORING INSTRUMENT
CALIBRATION LOG

Site: _____

Purpose: _____

Operator: JM CM

Date: 8-4-23 Time: 0630

Model # TVA 1000

Serial # #5 4919480

INSTRUMENT INTEGRITY CHECKLIST		INSTRUMENT CALIBRATION
Battery test	(Pass) / Fail	CALIBRATION CHECK
Reading following ignition	2.3 ppm	Calibration Gas (ppm): 500 / Actual (ppm): 500 / % Accuracy: 100%
Leak test	(Pass) / Fail / NA	RESPONSE TIME
Clean system check (check valve chatter)	(Pass) / Fail / NA	Calibration Gas, ppm: 500
H_2 supply pressure gauge (acceptable range 9.5 - 12)	(Pass) / Fail / NA	90% of Calibration Gas, ppm: 450
Date of last factory calibration	7-7-23	Time required to attain 90% of Cal Gas ppm: 1. 5 / 2. 5 / 3. 6
Factory calibration record w/instrument within 3 months	(Pass) / Fail	Average: 5.3
		Equal to or less than 30 seconds? (Y) N
		Instrument calibrated to Cdty gas.

Comments: _____

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RES Environmental Inc.

SURFACE EMISSION MONITORING INSTRUMENT
CALIBRATION LOG

Site: _____

Purpose: _____

Operator: _____

Date: 8-4-23 Time: 0645

Model # TVA 1000

Serial # #6 0720723626

INSTRUMENT INTEGRITY CHECKLIST		INSTRUMENT CALIBRATION
Battery test	(Pass) / Fail	CALIBRATION CHECK
Reading following ignition	2.4 ppm	Calibration Gas (ppm): 500 / Actual (ppm): 500 / % Accuracy: 100%
Leak test	(Pass) / Fail / NA	RESPONSE TIME
Clean system check (check valve chatter)	(Pass) / Fail / NA	Calibration Gas, ppm: 500
H_2 supply pressure gauge (acceptable range 9.5 - 12)	(Pass) / Fail / NA	90% of Calibration Gas, ppm: 450
Date of last factory calibration	7-7-23	Time required to attain 90% of Cal Gas ppm: 1. 6 / 2. 6 / 3. 5
Factory calibration record w/instrument within 3 months	(Pass) / Fail	Average: 5.6
		Equal to or less than 30 seconds? (Y) N
		Instrument calibrated to CH4 gas.

Comments: _____

465

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RES Environmental Inc.

SURFACE EMISSION MONITORING INSTRUMENT
CALIBRATION LOG

Site: _____

Purpose: _____

Operator: JM JM

Date: 8-4-23 Time: 0700

Model # TVA 1000

Serial # #7 0720723627

INSTRUMENT INTEGRITY CHECKLIST		INSTRUMENT CALIBRATION
Battery test	(Pass) / Fail	CALIBRATION CHECK
Reading following ignition	2.2 ppm	Calibration Gas (ppm): 500 / Actual (ppm): 500 / % Accuracy: 100%
Leak test	(Pass) / Fail / NA	RESPONSE TIME
Clean system check (check valve chatter)	(Pass) / Fail / NA	Calibration Gas, ppm: 500
H_2 supply pressure gauge (acceptable range 9.5 - 12)	(Pass) / Fail / NA	90% of Calibration Gas, ppm: 450
Date of last factory calibration	7-7-23	Time required to attain 90% of Cal Gas ppm: 1. 5 / 2. 5 / 3. 5 / Average 5.0
Factory calibration record w/instrument within 3 months	(Pass) / Fail	Equal to or less than 30 seconds? (Y) N
		Instrument calibrated to CH4 gas.

Comments: _____

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RES Environmental Inc.

SURFACE EMISSION MONITORING INSTRUMENT
CALIBRATION LOG

Site: _____

Purpose: _____

Operator: JM JM

Date: 8-4-23 Time: 0715

Model # TVA 1000

Serial # #9 0532113801

INSTRUMENT INTEGRITY CHECKLIST		INSTRUMENT CALIBRATION
Battery test	(Pass) / Fail	CALIBRATION CHECK
Reading following ignition	2.0 ppm	Calibration Gas (ppm): 500 / Actual (ppm): 500 / % Accuracy: 100%
Leak test	(Pass) / Fail / NA	RESPONSE TIME
Clean system check (check valve chatter)	(Pass) / Fail / NA	Calibration Gas, ppm: 500
H_2 supply pressure gauge (acceptable range 9.5 - 12)	(Pass) / Fail / NA	90% of Calibration Gas, ppm: 450
Date of last factory calibration	7-7-23	Time required to attain 90% of Cal Gas ppm: 1. 5 / 2. 5 / 3. 5 / Average 5.0
Factory calibration record w/instrument within 3 months	(Pass) / Fail	Equal to or less than 30 seconds? (Y) N
		Instrument calibrated to CH4 gas.

Comments: _____

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WASTE MANAGEMENT

8491 Fruitridge Road
Sacramento, CA 95826
(510) 714-6098

January 29, 2024

Ms. Nicole Stetson
2801 Madera Road
Simi Valley, California 93065

Fourth Quarter 2023 Surface Emissions and Component Leak Monitoring Report for the Simi Valley Landfill and Recycling Center

Dear Ms. Stetson:

This monitoring report for the **"Simi Valley Landfill and Recycling Center (SVLRC)"** contains the results of the Fourth Quarter 2023 Integrated and Instantaneous Surface Emissions Monitoring (SEM) and Component Leak Monitoring. Initial surface emissions monitoring was performed by Roberts Environmental Services, LLC. (RES). Re-monitoring of site-wide surface emissions and component leak monitoring was also conducted by RES personnel.

APPLICABLE REQUIREMENTS

The monitoring discussed in this report was conducted in accordance with the following requirements:

Surface Emission Monitoring (SEM)

- California Code of Regulations (CCR) Title 17, Subchapter 10, Article 4, Subarticle 6, §95460 to §95476, known as the Assembly Bill 32 (AB32) landfill methane rule (LMR).

- New Source Performance Standard (NSPS), Title 40 of the Code of Federal Regulations (CFR) §60.755 (c) and (d), 40 CFR 60, Appendix A Method 21; and updated Title 40 CFR part 63, Subpart AAAA (63.1960), promulgated by the United States Environmental Protection Agency (USEPA).

- Ventura County Air Pollution Control District (VCAPCD) Rule 74.17.1 (Municipal Solid Waste Landfills)

Component Leak

- California Code of Regulations (CCR) Title 17, Subchapter 10, Article 4, Subarticle 6, §95460 to §95476, known as the Assembly Bill 32 (AB32) landfill methane rule (LMR).

SVLRC Plan and Alternative Compliance Measures

An Alternative Compliance Option (ACO) Request was submitted to the California Air Resources Board (CARB) on May 24, 2011. A response from the CARB was not received to the ACO Request within 120 days from the date of submittal, therefore SVLRC assumes that the alternative compliance measures, monitoring requirements, and test measures and procedures were deemed acceptable as of September 21, 2011, per CCR Title 17 §95468(c).

All monitoring and reporting was completed in accordance with the 2011 SVLRC AB-32 SEM Plan.

PROCEDURES

General

The surface of the SVLRC disposal area has been divided into two-hundred and three (203), (approximately) 50,000 square foot monitoring grids. The entire landfill surface is monitored with the exception of active portions of the Landfill, slope areas, and as requested in the approved ACO, areas containing only asbestos-containing waste, inert waste and/or non-decomposable waste which are excluded for safety as allowed by CCR Title 17 §95466.

Field personnel walked the surface of the landfill following the walking pattern as depicted the 2011 SVLRC AB-32 SEM Plan, which traverses each monitoring grid. Additionally, in accordance with the provisions of 40 CFR 60.753(d) and 60.755(c)(1-3) and 63.1960, the entire perimeter of the landfill surface was monitored. During the event, special attention was given to monitoring unusual cover conditions (stressed vegetation, cracks, seeps, etc.) and any areas with unusual odors. In addition, penetrations were monitoring per Title 40 CFR part 63, Subpart AAAA (63.1960).

Instantaneous Surface Emissions Monitoring

The Instantaneous SEM was conducted using a Toxic Vapor Analyzer (TVA) 1000 flame ionization detector (FID), which was calibrated to 500 parts per million by volume (ppmv) methane, which meets or exceeds all guidelines set forth in the CCR Title 17 §95471(a). The FID was calibrated prior to use in accordance with the United States Environmental Protection Agency (USEPA) Method 21 requirements. The Instantaneous SEM procedures followed the requirements of 40 CFR 60.755 (c) and (d), CCR Title 17 §95471(c)(2), VCAPCD Rule 74.1.7, and 40 CFR part 63, Subpart AAAA 63.1960.

RES personnel walked the surface of the landfill on a grid-by-grid basis with the wand tip held at 3 inches from the landfill surface. While sampling the grid, the technicians also checked any surface impoundments (wells or otherwise) for leaks. Technicians also checked any surface cracks, seeps, or other areas that show evidence of surface emissions (odors or distressed vegetation). Active and sloped areas excluded for safety were documented on field data sheets and maps.

All instantaneous surface monitoring was performed in accordance with the applicable requirements referenced in this report. Any detections of methane above 200 ppmv (areas of concern) or 500 ppmv (exceedances) for instantaneous were recorded, flagged, and marked on an SEM Map, which, wherever required, is included in the Attachments of this report. Applicable corrective action and re-monitoring timelines are listed below:

- Re-monitoring shall be conducted within 10 days of the initial exceedance.
    - If the re-monitoring event shows the exceedance is corrected, the location shall be re-monitored within 1 month of the initial exceedance.
    - If the 1-month re-monitoring event shows the location is still corrected, all re-monitoring requirements have been completed.
- If either the first 10-day or 1-month re-monitoring events show a second exceedance, additional corrective actions shall be completed and a second re-monitoring event shall be conducted within 10 days of the second exceedance.
- If the second 10-day re-monitoring event shows the second exceedance is corrected, the location shall be re-monitored within 1 month of the initial exceedance. If the 1-month re-monitoring event shows the area is still corrected, monitoring requirements have been completed.
- If any location shows three exceedances, an additional well shall be installed within 120 days of the initial exceedance.

Integrated Surface Emissions Monitoring

The Integrated surface monitoring was conducted using a TVA 1000 calibrated to 25 ppmv for the integrated monitoring, which meets or exceeds all guidelines set forth in the CCR Title 17 §95471(a). The field technician traversed the grid walking path over a continuous 25-minute period using the TVA 1000 held at 3 inches above the landfill surface. The Integrated monitoring procedures followed the requirements of CCR Title 17 §95471(c)(2).

Grids with results greater than 25 ppmv were recorded, marked on the SEM map, and flagged for remediation. Any grids with integrated concentrations greater than 25 ppmv are subject to the following corrective action and re-monitoring timeline:

- Re-monitoring shall be conducted within 10 days of the initial exceedance.
- If the 10-day re-monitoring event shows the exceedance is corrected, all re-monitoring requirements have been completed.

- If either the first 10-day re-monitoring event shows a second grid exceedance, additional corrective actions shall be completed and a second re-monitoring event shall be conducted within 10 days of the second exceedance.

- If the second 10-day re-monitoring event shows the second exceedance is corrected, all re-monitoring requirements have been completed.

- If the second 10-day re-monitoring event shows a third grid exceedance, an additional well shall be installed within 120 days of the initial exceedance.

Component Leak Monitoring Procedures

RES personnel monitored the exposed LFG components under positive pressure (pipes, wellheads, valves, blowers, and other mechanical appurtenances) using a TVA 1000 calibrated to 500 ppmv. All leaks measured one half inch or less from the component exceeding the compliance limit of 500 ppmv per requirements outlined in pursuant to CARB Title 17 of California Code of Regulations Subchapter 10, Article 4, Subarticle 6, Section 95464(b)(1)(B) were recorded. Applicable corrective action and re-monitoring timelines are listed below:

- Leaks at or above 500 ppmv must be corrected and re-monitored within 10 days of the initial exceedance.

FOURTH QUARTER SEM AND COMPONENT LEAK RESULTS

The following is a summary of the SEM and Component leak monitoring results completed during the Fourth Quarter 2023.

Instantaneous Surface Emission Monitoring Results

The Instantaneous surface monitoring was performed on November 1, 2, 6, 7, 10, 14, 29 & 30, 2023 in accordance with the NSPS NESHAP, Rule 74.1.17, CCR Title 17 §95469 and ACO. Results and data from the monitoring are presented in Attachment A.

Initial Monitoring Event Exceedances of 500 ppmv

There were fifty-one (51) exceedances of 500 ppmv as methane detected during the initial monitoring events conducted on November 1, 2, 6, 10, 14, 29 & 30, 2023. RES personnel remediated the locations, and the following re-monitoring was conducted as described below.

First Ten-Day Re-Monitoring Results

RES personnel performed the first ten-day re-monitoring events on November 10 & 15, 2023. Seven (7) exceedances were observed during the ten-day re-monitoring events. RES personnel remediated the locations, and the following re-monitoring was conducted as described below.

Second Ten-Day Re-Monitoring Results

RES personnel performed the second ten-day re-monitoring events on November 20, 2023. No exceedances were observed during the second ten-day re-monitoring event.

Thirty-Day Re-Monitoring Results

RES personnel performed the thirty-day monitoring events on December 1, 8, 13, and 28, 2023. No exceedances were observed during the thirty-day re-monitoring events.

Readings between 200 ppmv and 499 ppmv (Initial and Re-monitored)

There were fifty-four (54) readings between 200 ppmv and 499 ppmv, measured as methane detected during the initial monitoring events on November 1, 2, 6, 14, 29, & 30, 2023, respectively. Pursuant to CCR Title 17 §95471(c), instantaneous surface emissions exceeding 200 ppmv but below 500 ppmv are required to be recorded. As a best management practice, if these readings occur, SVLRC voluntarily addresses these locations by remediating and re-monitoring all those within this range, during the 10-day re-checks. Therefore, SVLRC and RES personnel performed ten-day re-checks on November 10, 15, 20, & 21, and December 8, 2023, respectively, and fifty-three (53) of the fifty-four (54) readings were below 200 ppmv, with a second 10-day re-check conducted on November 20, 2023 for the remaining reading, which was subsequently below 200 ppmv. The goal of this is effort is to reduce any future exceedances to

improve and reduce overall odors/emissions. Results, if applicable, are summarized in Attachment A. The goal of this is effort is to reduce any future exceedances to improve and reduce overall odors/emissions. Results, if applicable, are summarized in Attachment A.

Integrated Surface Emissions Monitoring Results

The Integrated surface sampling (ISS) was performed on November 15, 28, 29 & 30, 2023, in accordance with the ACO, requirements outlined in CCR Title 17 §95469, and VCAPCD Rule 74.1.17. See Attachment B for details.

Initial Monitoring Event Exceedances of 25 ppmv

There were thirty (30) grids with an exceedance above 25 ppmv as methane detected during the initial monitoring events conducted on November 29 & 30, 2023. SVLRC personnel remediated the locations, and the following re-monitoring was conducted as described below.

Ten-Day Re-Monitoring Results

RES personnel performed the ten-day re-monitoring events on December 8, 2023. No exceedances were observed during the ten-day re-monitoring events.

The average methane concentration of each grid was recorded during the monitoring event per applicable requirements. See Attachment B for details.

Component Leak Monitoring Results

Component leak monitoring was conducted per the applicable requirements on November 10, 2023. There were zero (0) locations with a component leak detection of greater than 500 ppmv. See Attachment C for details.

WEATHER CONDITIONS

Wind Speed Conductions during the Surface Emission Monitoring Events

Wind speeds during initial monitoring were monitored using a portable weather station. The station has a strip chart that records the wind speed and direction. After completion of monitoring, the strip chart is reviewed by RES office staff to determine the average and maximum wind speeds during the monitoring and the average wind direction during each grid and ensure that the wind speed requirements are met (no gusts greater than 20 mph, average wind speed cannot exceed 10 mph). These values are documented in the field data sheets. The chart data is scanned and included in Attachment D.

Precipitation Requirements

Per the SVLRC's ACO, the initial monitoring event was carefully scheduled so that it could be conducted in compliance with the precipitation requirements (no measurable precipitation within

24 hours). Re-monitoring events are required to adhere to strict timelines. Any conflicts with precipitation requirements are discussed in the results section of this document.

EQUIPMENT CALIBRATION

The portable analyzers were calibrated to meet the instrument specifications requirements of U.S. EPA Method 21. The calibration gas used was methane, diluted to a nominal concentration of 25 ppmv in air for integrated sample analyses and 500 ppmv in air for instantaneous monitoring to comply with the requirements.

All analyzers were calibrated prior to use with required response time and precision related instrument checks. Calibration records include the following: One time response time test record; One time response factor determination for methane; Calibration Precision test records (test to be performed every 3 months); and Daily Instrument Calibration and Background test records for each gas meter that was used during the quarterly monitoring event. The calibration log records are included in Attachment E.

All monitoring was completed in accordance with the applicable regulatory requirements or approved alternatives. If you have any questions regarding this report, please do not hesitate to contact the undersigned at (510) 714-6098.

Thank you,
Waste Management

Collin Pavelchik
Environmental Protection Air Quality Specialist

Attachment A – Instantaneous Surface Emission Monitoring Event Records

- Monitoring Logs and Exceedances
- Surface Monitoring Weather Data
- SEM Map

Attachment B – Integrated Surface Emission Monitoring Event Records

- Monitoring Logs and Exceedances
- Surface Monitoring Weather Data
- SEM Map

Attachment C – Component Leak Monitoring Event Records

- Component Leak Exceedances and Monitoring Logs

Attachment D – Weather Station Data

- Strip Chart Data and Legend

Attachment E – Calibration Records

- Instrument and Gas Calibration Records

Attachment A

Instantaneous Surface Emission Monitoring Event Records

SIMI VALLEY LANDFILL
INSTANTANEOUS LANDFILL SURFACE MONITORING

Personnel: J. Medina, G. Lopez, C. Hughes Cal. Gas Exp. Date: 4/27

Date: 11/2/23 Instrument Used: Inspectra Grid Spacing: 25 ft

Temperature: 59° Precip: 0 Upwind BG: 1.9 Downwind BG: 2.8

GRID ID	STAFF INITIALS	START TIME	STOP TIME	TOC PPM	WIND INFORMATION			REMARKS
					AVG SPEED	MAX. SPEED	DIRECTION 16 POINT	
89	JM	0743	0757	150.5	3	3	1	
90	JM	0805	0820	562.6	2	3	16	
91	JM	0823	0841	207.8	3	5	16	
92	JM	0845	0905	38.7	3	4	2	
93	JM	0909	0923	23.1	2	2	14	
94	JM	0926	0946	42.4	1	2	6	
95	JM	0954	1019	76.1	3	3	7	
96	JM	1024	1045	1016.5	2	3	8	
97	JM	1048	1108	53.6	1	2	7	
98	JM	1110	1131	159.4	3	5	11	
65	JM	1150	1205	106.0	1	3	10	
66	JM	1206	1220	141.6	2	3	10	
64	GL	0800	0815	123.1	3	5	16	
63	GL	0816	0831	90.8	2	3	16	
62	GL	0834	0849	165.3	3	4	2	
61	GL	0850	0905	105.6	3	4	2	
60	GL	0906	0921	51.2	2	2	14	
59	GL	0921	0937	93.6	0	1	12	
58	GL	0938	0953	69.1	1	3	8	
57	GL	0955	1010	177.0	2	3	7	
56	GL	1011	1026	216.1	2	4	7	
55	GL	1029	1042	224.2	2	3	8	
86	GL	1145	1200	141.3	2	3	10	
85	GL	1201	1216	31.7	1	3	11	
108	CH	0744	0800	126.7	3	3	1	
107	CH	0802	0817	101.0	2	3	16	
106	CH	0819	0834	102.1	2	3	16	
105	CH	0838	0854	232.3	4	5	2	
104	CH	0855	0910	123.8	3	4	2	
103	CH	0913	0928	230.5	2	2	14	

Attach Calibration Sheet
Attach site map showing grid ID

SIMI VALLEY LANDFILL
INSTANTANEOUS LANDFILL SURFACE MONITORING

Personnel: J. Medina, G. Lopez, C. Hughes

Cal. Gas Exp. Date: 4/27

Date: 11/2/23 Instrument Used: Inspectra Grid Spacing: 25ft

Temperature: 59° Precip: 0 Upwind BG: 1.9 Downwind BG: 2.8

GRID ID	STAFF INITIALS	START TIME	STOP TIME	TOC PPM	WIND INFORMATION			REMARKS
					AVG SPEED	MAX. SPEED	DIRECTION 16 POINT	
102	CH	0941	0956	758.1	1	3	6	
101	CH	1003	1018	60.9	3	3	7	
100	CH	1024	1039	31.7	2	3	6	
99	CH	1042	1059	88.6	2	3	6	
88	CH	1146	1201	19.9	1	3	11	
87	CH	1204	1219	33.9	1	3	10	

Attach Calibration Sheet
Attach site map showing grid ID

SIMI VALLEY LANDFILL
INSTANTANEOUS LANDFILL SURFACE MONITORING

Personnel: M. Estrada, C. Hughes

Cal. Gas Exp. Date: 4/27

Date: 11-6-23 Instrument Used: Inspectra Grid Spacing: 25ft

Temperature: 51° Precip: 0 Upwind BG: 1.3 Downwind BG: 2.4

GRID ID	STAFF INITIALS	START TIME	STOP TIME	TOC PPM	WIND INFORMATION			REMARKS
					AVG SPEED	MAX. SPEED	DIRECTION 16 POINT	
10	ME	0720	0745	151.6	2	3	14	Vegetation
9	ME	0747	0800	81.0	4	6	14	Vegetation
8	ME	0802	0812	30.2	2	3	16	Vegetation
7	ME	0813	0827	35.7	5	7	2	Vegetation
6	ME	0835	0848	7.2	5	8	4	Vegetation
5	ME	0850	0901	2.5	5	7	6	Vegetation
4	ME	0904	0915	3.1	5	6	6	Vegetation
3	ME	0917	0923	2.3	3	4	6	Vegetation
2	ME	0924	0933	13.2	3	5	6	Vegetation
1	ME	0935	0946	83.2	2	5	4	vegetation
72	ME	1055	1109	61.9	5	6	14	STEEP SLOPE
73	ME	1112	1131	34.6	1	3	12	STEEP SLOPE
74	ME	1133	1143	10.1	4	7	8	STEEP SLOPE
45	CH	0707	0722	166.3	4	5	16	
46	CH	0733	0745	63.6	3	3	14	
47	CH	0747	0802	72.0	5	6	16	
48	CH	0805	0820	99.8	4	6	2	
49	CH	0835	0850	21.7	5	8	5	
50	CH	0850	0905	35.3	5	7	6	
51	CH	0909	0923	53.2	3	4	6	
52	CH	0926	0941	46.6	2	5	4	
53	CH	0950	1005	17.7	5	10	2	
54	CH	1010	1021	11.8	3	5	10	Road
67	CH	1047	1103	46.3	2	5	14	DIRT HILLS
68	CH	1105	1117	67.7	3	5	10	Rock Pile
69	CH	1120	1134	75.9	2	5	12	Rock Pile
70	CH	1137	1151	34.9	3	6	8	DIRT STOCKPILE
71	CH	1153	1208	78.0	2	3	8	

Attach Calibration Sheet
Attach site map showing grid ID

SIMI VALLEY LANDFILL
INSTANTANEOUS LANDFILL SURFACE MONITORING

Personnel: C. Hughes, M. Estrada

Cal. Gas Exp. Date: 4/27

Date: 11-7-23 Instrument Used: Inspectra Grid Spacing: 25'

Temperature: 56° Precip: 0 Upwind BG: 1.6 Downwind BG: 2.5

GRID ID	STAFF INITIALS	START TIME	STOP TIME	TOC PPM	WIND INFORMATION			REMARKS
					AVG SPEED	MAX. SPEED	DIRECTION 16 POINT	
44	CH	0713	0725	11.3	5	6	16	
43	CH	0728	0741	17.8	2	3	2	
42	CH	0743	0757	46.3	3	5	2	
41	CH	0800	0815	27.9	2	3	15	STEEP Slope
40	CH	0818	0830	21.0	3	4	16	STEEP Slope
39	CH	0833	0843	29.2	3	5	16	STEEP Slope
38	CH	0846	0900	7.8	3	4	16	STEEP Slope
37	CH	0905	0920	4.7	3	4	2	
36	CH	0922	0936	18.9	2	4	2	
35	CH	0940	0955	8.3	5	8	6	
114	CH	1031	1046	111.5	6	8	7	
81	CH	1048	1058	119.1	5	8	7	
82	CH	1100	1115	30.42	7	9	7	
113	CH	1120	1134	121.0	5	7	6	
112	CH	1135	1150	74.7	5	7	8	
11	ME	0715	0738	9.7	2	3	2	
12	ME	0739	0752	7.2	3	5	2	
13	ME	0802	0817	8.6	2	3	15	
14	ME	0847	0855	22.3	3	4	2	
15	ME	0857	0905	2.4	3	4	16	
16	ME	0906	0915	2.4	2	4	16	
17	ME	0916	0930	2.6	2	5	2	
18	ME	0930	0944	2.9	3	5	5	HYDROSEEDING
19	ME	0949	0954	2.7	5	6	6	HYDRO SEEDING
111	ME	1037	1050	2.5	5	10	7	ACTIVE ROAD
110	ME	1051	1102	2.3	5	7	7	ACTIVE ROAD
109	ME	1108	1122	2.4	4	6	7	ACTIVE ROAD
117	ME	1127	1132	2.6	5	7	6	HEAVY EQUIPMENT
118	ME	1136	1140	2.6	4	7	6	HEAVY EQUIPMENT

Attach Calibration Sheet
Attach site map showing grid ID

Page 1 of 1

SIMI VALLEY LANDFILL
INSTANTANEOUS LANDFILL SURFACE MONITORING

Personnel: G. Robles, C. Hughes, M. Abraham Cal. Gas Exp. Date: 4/27

Date: 11-10-23 Instrument Used: Inspectra Grid Spacing: 25FT

Temperature: 54° Precip: 0 Upwind BG: 1.9 Downwind BG: 2.7

GRID ID	STAFF INITIALS	START TIME	STOP TIME	TOC PPM	WIND INFORMATION			REMARKS
					AVG SPEED	MAX. SPEED	DIRECTION 16 POINT	
34	GR	0726	0741	5.0	3	4	2	STEEP Slope
33	GR	0746	0801	3.1	3	3	2	Rock Pile
32	GR	0803	0818	17.2	3	4	3	STEEP Slopes
31	GR	0821	0836	2.8	1	2	2	loose footing
76	GR	0837	0852	2.8	2	4	2	TRAFFIC.
80	GR	0853	0908	3.0	2	3	2	STEEP Slope
77	GR	0909	0924	2.7	1	3	4	
30	GR	0925	0940	2.6	3	5	6	
29	GR	0942	0957	2.8	4	7	7	
78	GR	1000	1015	2.6	4	6	8	
119	GR	1041	1051	2.7	6	10	8	TRASH Pile
120	GR	1052	1102	2.5	6	10	8	TRASH Pile
121	GR	1103	1113	2.5	5	8	8	TRASH Pile
122	GR	1113	1123	2.8	7	9	7	TRASH Pile
20	CH	0714	0725	5.6	3	5	2	
21	CH	0728	0741	6.0	3	4	2	
22	CH	0742	0755	10.9	2	4	2	
23	CH	0800	0812	15.2	3	4	3	
24	CH	0815	0825	8.0	2	4	3	
25	CH	0830	0845	8.8	2	3	2	
26	CH	0845	0858	8.9	2	4	2	
27	CH	0900	0915	23.5	2	2	16	
28	CH	0920	0930	2.3	1	3	4	Haul Road
79	CH	0933	0945	62.1	3	6	8	Haul Road
147	CH	1044	1059	532.2	5	8	8	
148	CH	1100	1115	361.4	5	8	8	
149	CH	1120	1135	140.9	7	9	8	
150	CH	1140	1156	64.9	7	10	8	Heavy BRUSH
146	MA	0729	0745	196.0	3	4	2	
145	MA	0745	0800	629.6	3	3	2	

Attach Calibration Sheet
Attach site map showing grid ID

SIMI VALLEY LANDFILL
INSTANTANEOUS LANDFILL SURFACE MONITORING

Personnel: G. Robles, C. Hughes, M. Abraham

Cal. Gas Exp. Date: 4-27

Date: 11-10-23 Instrument Used: INSpectra Grid Spacing: 25'

Temperature: 54° Precip: _____ Upwind BG: 1.9 Downwind BG: 2.7

GRID ID	STAFF INITIALS	START TIME	STOP TIME	TOC PPM	WIND INFORMATION			REMARKS
					AVG SPEED	MAX. SPEED	DIRECTION 16 POINT	
144	MA	0801	0821	94.6	3	4	3	
115	MA	0822	0838	59.9	1	2	2	
143	MA	0844	0901	46.1	2	4	2	
142	MA	0902	0917	192.6	2	2	16	
141	MA	0917	0938	45.7	3	5	6	
140	MA	0939	0954	131.6	4	7	7	
139	MA	0955	1012	195.6	4	6	6	
138	MA	1014	1029	84.4	5	7	6	
83	MA	1048	1104	486.1	6	10	8	
84	MA	1105	1120	16.7	7	9	7	STEEP DIRT HILL
116	MA	1124	1140	159.5	6	10	6	

Attach Calibration Sheet
Attach site map showing grid ID

SIMI VALLEY LANDFILL
INSTANTANEOUS LANDFILL SURFACE MONITORING

Personnel: M. ORUG, C. Hughes, G. Robles, M. Abraham

Cal. Gas Exp. Date: 4/27

Date: 11-14-23 Instrument Used: InSpectra Grid Spacing: 25ft

Temperature: 56° Precip: 0 Upwind BG: 1.4 Downwind BG: 2.3

GRID ID	STAFF INITIALS	START TIME	STOP TIME	TOC PPM	WIND INFORMATION			REMARKS
					AVG SPEED	MAX. SPEED	DIRECTION 16 POINT	
157	MO	0816	0832	78.9	1	2	2	Haul Road
158	MO	0833	0843	78.2	1	2	2	Active TRASH
159	MO	0844	0902	77.3	2	3	6	
160	MO	0904	0918	98.7	2	4	8	
161	MO	0919	0934	64.5	4	6	8	Concrete / STEEP Slope
168	MO	0936	0941	130.7	2	5	16	Concrete / STEEP Slope
169	MO	0942	0954	180.3	4	6	11	
197	MO	1032	1045	408.4	3	5	10	Liner
196	MO	1047	1058	111.1	2	3	10	Liner
195	MO	1100	1112	273.9	4	5	10	Liner
194	MO	1113	1125	152.7	4	6	8	Liner
193	MO	1126	1132	170.1	4	6	7	Liner / Dumping DIRT
192	MO	1133	1140	166.8	5	7	7	Dumping DIRT
190	MO	1145	1156	158.6	4	6	8	Liner
132	GR	0814	0824	1594.1	2	3	3	STEEP Slope
131	GR	0826	0830	2006.3	1	2	2	MULCH
130	GR	0838	0846	262.7	1	2	2	STEEP Slope
129	GR	0849	0900	233.2	2	3	6	MULCH
128	GR	0901	0911	137.2	2	4	7	STEEP Slope
127	GR	0912	0922	260.5	2	4	7	STEEP Slope
126	GR	0923	0933	192.0	4	6	8	STEEP Slope
125	GR	0934	0945	79.5	2	5	10	STEEP Slope
124	GR	0946	0957	32.9	4	6	11	STEEP Slope
123	GR	0959	1010	137.5	3	4	12	vegetation
202	GR	1030	1040	137.5	3	5	8	Liner
201	GR	1041	1051	77.6	2	3	10	Liner
200	GR	1053	1104	83.2	3	4	10	Liner
199	GR	1105	1117	495.9	4	5	10	Rock Pile
198	GR	1119	1131	194.2	4	6	7	Heavy Equipment
185	MA	0809	0944	222.1	2	5	10	

Attach Calibration Sheet
Attach site map showing grid ID

SIMI VALLEY LANDFILL
INSTANTANEOUS LANDFILL SURFACE MONITORING

Personnel: M. Rose, G. Robles, M. Abraham, C. Hughes

Cal. Gas Exp. Date: 4/27

Date: 11-14-23 Instrument Used: Inspectra Grid Spacing: 25FT

Temperature: 56° Precip: 0 Upwind BG: 1.4 Downwind BG: 2.3

GRID ID	STAFF INITIALS	START TIME	STOP TIME	TOC PPM	WIND INFORMATION			REMARKS
					AVG SPEED	MAX. SPEED	DIRECTION 16 POINT	
186	MA	0845	0901	108.3	2	3	6	
187	MA	0905	0920	28.4	2	4	6	
184	MA	0921	0936	105.4	4	6	8	
183	MA	0937	0952	113.9	4	6	11	
188	MA	0953	1009	195.6	3	4	12	
189	MA	1010	1025	479.4	3	5	8	
182	MA	1026	1041	659.2	3	5	8	
165	MA	1042	1057	86.6	2	3	10	
164	MA	1057	1012	184.9	3	4	12	Haul Road
133	CH	0810	0825	1544.1	2	3	3	STEEP SLOPE
134	CH	0825	0840	7326.4	1	2	2	STEEP SLOPE
135	CH	0845	0900	1610.2	2	3	6	LEACHATE
136	CH	0905	0920	342.7	2	4	8	Heavy Equipment
137	CH	0925	0940	241.0	2	5	10	Concrete Piles
138	CH	0950	1005	234.2	3	5	11	Concrete Piles
150	CH	1010	1030	79.1	3	5	8	
151	CH	1032	1045	85.4	3	5	10	STEEP SLOPE
152	CH	1048	1058	294.1	2	3	10	STEEP SLOPE
153	CH	1100	1110	241.1	4	5	10	STEEP SLOPE
154	CH	1111	1122	145.1	4	6	8	STEEP SLOPE
155	CH	1123	1133	87.6	4	6	7	STEEP SLOPE
156	CH	1146	1145	41.1	4	6	7	STEEP SLOPE
191	GR	1148	1201	233.7	6	8	6	Heavy Equipment

Attach Calibration Sheet
Attach site map showing grid ID

SIMI VALLEY LANDFILL
INSTANTANEOUS LANDFILL SURFACE MONITORING

Personnel: MioRus _____ _____ _____

_____ _____ _____

_____ _____ Cal. Gas Exp. Date: _____

Date: 11-14-23 Instrument Used: _____ Grid Spacing: _____

Temperature: _____ Precip: _____ Upwind BG: _____ Downwind BG: _____

GRID ID	STAFF INITIALS	START TIME	STOP TIME	TOC PPM	WIND INFORMATION			REMARKS
					AVG SPEED	MAX. SPEED	DIRECTION 16 POINT	
162								Active TRASH
163								↓
166								
167								
170								
171								
172								
173								
174								
175								
176								
177								
178								
179								
180								
181								↓
203								Liner

Attach Calibration Sheet
Attach site map showing grid ID

Page 1 of 1

SIMI VALLEY SEM

PENETRATION ID	GRID #	INITIAL (PPM)	1st 10 DAY (PPM)	2nd 10 DAY (PPM)	1st 30 DAY (PPM)	3rd 10 DAY (PPM)	2nd 30 DAY (PPM)
SIMW0057 11/1	2	2.8					
SIMW0809 11/2	3	7.8					
SIMW0019 11/2	4	4.1					
SIMW0001 11/2	6	2.5					
SIMW0002 11/2	6	4.2					
SIMW0808 11/1	7	2.2					
SIMW0020 11/2	8	6.4					
SIMW1808 11/2	8	6.5					
SIMW0004 11/1	9	2.9					
SIMW0006 11/7	10	2.0					
SIMH021S 11/1	11	2.4					
SIMW1015 11/1	13	725.5	11-10-23 10.1		12-1-23 12.21		
SIMW709D 11/7	14	2.2					
SIMW709S 11/7	14	5.0					
SIMH0017 11/7	16	2.0					
SIMH018S 11/7	16	2.0					
SIM1363B 11/7	17	1.7					
SIMW0708 11/1	17	2.8					
SIMW2006 11/1	18	2.5					
SIMH022S 11/7	19	1.9					
SIMW2007 11/1	20	2.1					
SIMW2008 11/1	20	2.4					
SIMSVE02 11/7	21	4.2					
SIMLR00B 11/7	21	1.8					
SIMW0905 11/1	24	1.8					
SIMW0904 11/1	25	1.6					
SIMH022N 11/7	27	9.3					
SIMW0903 11/1	27	2.8					
SIMW0901 11/7	29	2.0					
SIMW0902 11/1	30	1.6					

SIMI VALLEY SEM

PENETRATION ID	GRID #	INITIAL (PPM)	1st 10 DAY (PPM)	2nd 10 DAY (PPM)	1st 30 DAY (PPM)	3rd 10 DAY (PPM)	2nd 30 DAY (PPM)
SIMW116R 11/1	31	27.6					
SIMW1565 11/1	31	10.1					
SIMW2084 11/1	31	2.5					
SIM1570D 11/1	32	2.4					
SIM1570S 11/1	32	2.7					
SIMW2045 11/1	33	2.9					
SIMW703D 11/1	33	2.5					
SIMW703S 11/1	33	1.6					
SIMW1785 11/1	35	2,217	11-10-23 37.3		12-1-23 11.50		
SIMW2083 11/1	35	2.3					
SIMW1233 11/2	36	41.9					
SIMW1790 11/1	36	2.4					
SIMW1571 11/1	37	52.9					
SIM1792D 11/2	38	2.4					
SIM1792S 11/2	38	3.0					
SIMW1232 11/2	39	27.7					
SIMW707D 11/1	39	3.7					
SIMW1791 11/1	40	2.5					
SIM2042D 11/1	41	1.3					
SIM2042S 11/1	41	2.0					
SIMW805D 11/2	41	18.3					
SIMW2235 11/2	41	158.2					
SIMW1231 11/2	42	19.9					
SIMW2041 11/2	43	20.1					
SIMW09RD 11/1	44	3.4					
SIMW1012 11/2	44	70.4					
SIMW1228 11/2	44	17.5					
SIMW09RS 11/1	44	2.0					
SIMW010R 11/2	45	148.2					
SIMW007R 11/2	46	14.0					

SIMI VALLEY SEM

PENETRATION ID	GRID #	INITIAL (PPM)	1st 10 DAY (PPM)	2nd 10 DAY (PPM)	1st 30 DAY (PPM)	3rd 10 DAY (PPM)	2nd 30 DAY (PPM)
SIMW1227 11/2	47	10.9					
SIMW1234 11/2	47	12.6					
SIM1572D 11/2	48	613.3	11-10-23 95.3		12-1-23 87.21		
SIM1572S 11/2	48	1,866.5	11-10-23 135		12-1-23 26.30		
SIMW810D 11/2	51	8.7					
SIMW810S 11/2	51	7.7					
SIMW0018 11/2	52	4.8					
SIMW0812 11/2	52	9.4					
SIMW0811 11/2	53	12.1					
SIMLR00D 11/2	55	15.2					
SIMLR001 11/2	55	9.4					
SIMW0003 11/2	57	34.9					
SIMW0813 11/2	57	36.1					
SIMW2009 11/2	57	53.2					
SIMW1014 11/2	58	23.6					
SIMW1107 11/2	59	28.5					
SIM1405B 11/2	60	10.2					
SIM1406B 11/1	60	3.1					
SIMW1806 11/2	60	424.4					
SIMW2228 11/2	61	39.2					
SIMW2229 11/2	62	7,277.2	11-10-23 4,000	11-20-23 221	12-1-23 14.21		
SIMW2230 11/2	62	15.2					
SIMW1011 11/7	63	4.1					
SIM1673S 11/1	64	5.9					
SIM1793D 11/2	64	6.4					
SIM1793S 11/2	64	11.2					
SIMW012R 11/1	64	2.6					
SIM1406A 11/1	65	10.9					
SIM2044D 11/1	65	3.5					
SIM2044S 11/1	65	3.9					

SIMI VALLEY SEM

PENETRATION ID	GRID #	INITIAL (PPM)	1st 10 DAY (PPM)	2nd 10 DAY (PPM)	1st 30 DAY (PPM)	3rd 10 DAY (PPM)	2nd 30 DAY (PPM)
SIMW1229 W/I	65	4.9					
SIM1788D W/I	66	5.1					
SIM1788S W/I	66	45.9					
SIM1362A W/I	67	5.8					
SIM1404A W/I	67	3.6					
SIMW1008 W/I	67	2.3					
SIMW1787 W/I	67	3.1					
SIM1789D W/I	68	5.2					
SIM1789S W/I	68	10.8					
SIM2054D W/I	68	4.5					
SIM2054S W/I	68	3.9					
SIMW1005 W/I	68	139					
SIMW1225 W/I	68	3.2					
SIM2043D W/I	69	14.5					
SIM2043S W/I	69	102					
SIMW1786 W/I	69	2.9					
SIM1573D W/I	70	2.7					
SIM1573S W/I	70	3.0					
SIM1783D W/I	70	5.0					
SIM1783S W/I	70	4.5					
SIM2064D W/I	70	30.1					
SIM2064S W/I	70	91.4					
SIM1805D W/I	71	776.6	11-10-23 12.9		12-1-23 6.58		
SIM1805S W/I	71	25.5					
SIMW1569 W/I	71	2.8					
SIMW2231 W/I	71	1.9					
SIM1359A W/I	72	2.5					
SIMW1779 W/I	73	15.4					
SIMW2232 W/I	73	3.1					
SIM1568D W/I	74	2.8					

SIMI VALLEY SEM

PENETRATION ID	GRID #	INITIAL (PPM)	1st 10 DAY (PPM)	2nd 10 DAY (PPM)	1st 30 DAY (PPM)	3rd 10 DAY (PPM)	2nd 30 DAY (PPM)
SIM1568S 11/1	74	3.8					
SIM2052D 11/1	74	22.6					
SIM2052S 11/1	74	20.1					
SIMW2065 11/1	74	4.8					
SIM1564D 11/1	75	4.0					
SIM1564S 11/1	75	4.6					
SIMW115S 11/7	76	2.4					
SIMW0202 11/1	76	2.1					
SIMW1563 11/7	78	6.4					
SIMW2220 11/1	80	3.3					
SIM1562D 11/1	81	3.5					
SIM1562S 11/1	81	2.1					
SIMW2219 11/1	81	2.7					
SIM2061D 11/1	82	87.3					
SIM2061S 11/1	82	103.7					
SIM1778D 11/1	83	7.0					
SIM1778S 11/1	83	12.0					
SIMW1802 11/1	83	36.9					
SIMW822D 11/1	83	34.7					
SIMW822S 11/1	83	230.9					
SIM2003A 11/7	83	4.0					
SIMW1220 11/1	84	6.7					
SIMW2053 11/1	84	40.5					
SIM1780D 11/7	85	35.7					
SIM1780S 11/7	85	140.7					
SIM1401A 11/1	86	9.3					
SIMW1104 11/1	86	23.1					
SIMW2047 11/1	86	3.9					
SIM2002A 11/7	86	3.5					
SIMW2234 11/1	86	1,677	11-10-23 436		12-1-23 18.75		

SIMI VALLEY SEM

PENETRATION ID	GRID #	INITIAL (PPM)	1st 10 DAY (PPM)	2nd 10 DAY (PPM)	1st 30 DAY (PPM)	3rd 10 DAY (PPM)	2nd 30 DAY (PPM)
SIM1403A 11/1	88	7.1					
SIM2081D 11/1	88	5.3					
SIM2081S 11/7	88	2.4					
SIMW1781 11/1	88	6.8					
SIMLR0AR 11/7	88	6.9					
SIMHL005 11/7	88	5.5					
SIM1782D 11/1	89	3.4					
SIM1782S 11/7	89	1.5					
SIM1928S 11/1	89	3.8					
SIMW2056 11/1	89	3.3					
SIMW1356 11/1	90	2.4					
SIMLR00A 11/7	90	55.1					
SIM1929S 11/1	91	2.7					
SIMW1801 11/1	91	3.1					
SIMW2227 11/1	91	3.35					
SIM1799D 11/1	92	4.8					
SIM1799S 11/1	92	5.1					
SIMW1222 11/1	93	4.02					
SIMW2046 11/1	93	5.4					
SIMW2049 11/1	93	3.7					
SIMW1798 11/1	94	3.0					
SIMW1010 11/2	95	18.5					
SIMW2048 11/1	95	6.0					
SIMW2233 11/2	95	28.4					
SIM1937S 11/7	96	2.6					
SIM1403B 11/7	97	2.5					
SIM1404B 11/7	97	1.8					
SIMW0814 11/2	98	114.7					
SIMLR602 11/7	99	25.3					
SIMLR603 11/7	99	12.7					

SIMI VALLEY SEM

PENETRATION ID	GRID #	INITIAL (PPM)	1st 10 DAY (PPM)	2nd 10 DAY (PPM)	1st 30 DAY (PPM)	3rd 10 DAY (PPM)	2nd 30 DAY (PPM)
SIMW0816 11/2	99	9.6					
SIMW0817 11/2	100	1,798.4	11-10-23 211		12-1-23 14.91		
SIMW0818 11/2	101	9.4					
SIMW0819 11/1	103	88.3					
SIMW1796 11/1	103	6.0					
SIMW2222 4/2	103	25.6					
SIMW2055 11/1	104	7.9					
SIM1938S 11/1	105	4.2					
SIMW1794 11/1	105	4.4					
SIMW2223 11/1	105	10.2					
SIM2001A 11/1	106	3.6					
SIMW2224 11/1	106	4.6					
SIMW1807 11/1	107	9.5					
SIMW1353 11/1	108	21.2					
SIMW1795 11/1	108	16.8					
SIMW2225 11/1	108	3.4					
SIM2001B 11/1	109	9.9					
SIMW1803 11/1	109	55.5					
SIM1777D 11/1	110	109.4					
SIM1777S 11/1	110	110.9					
SIMW1101 11/1	110	5.8					
SIMW1776 11/1	110	10.3					
SIMW2226 11/1	110	44.0					
SIM2339A 11/1	110	6.4					
SIMHL002 11/1	110	12.3					
SIMHL003 11/1	110	11					
SIMW2057 11/1	111	13.1					
SIM2340A 11/1	111	5.0					
SIMW2221 11/1	112	6.9					
SIMHL001 11/1	112	35.2					

SIMI VALLEY SEM

PENETRATION ID	GRID #	INITIAL (PPM)	1st 10 DAY (PPM)	2nd 10 DAY (PPM)	1st 30 DAY (PPM)	3rd 10 DAY (PPM)	2nd 30 DAY (PPM)
SIMW0048 11/1	113	4.0					
SIMW2062 11/1	113	5.6					
SIMW2218 11/1	113	2.6					
SIMW1816 11/6	114	23.0					
SIMW2058 11/1	114	4.8					
SIMW1561 11/6	115	1,323.4	11-15-23 470		12-1-23 12.07		
SIMW2060 11/1	116	46.5					
SIMW2001 11/1	117	117.4					
SIMW2217 11/1	117	133.3					
SIM2338A 11/1	117	9.2					
SIMW2216 11/1	118	9.0					
SIM2337A 11/1	118	7.1					
SIMW2099 11/1	119	13.9					
SIMW2059 11/1	120	3.0					
SIMW2215 11/1	121	378.3					
SIMW2098 11/1	122	381.6					
SIMLR31A 11/6	123	173.2					
SIMW2076 11/6	126	13.3					
SIMW2096 11/6	127	20.8					
SIMW2097 11/2	127	1,221.6	11-10-23 26.7		12-1-23 8.53		
SIMW2077 11/6	128	230.3					
SIMW2095 11/6	129	12.4					
SIMW2074 11/1	130	2,345.4	11-10-23 481		12-1-23 8.47		
SIMW2078 11/6	131	4.7					
SIMW2073 11/1	132	361,148.2	11-10-23 60,000	11-20-23 357	12-1-23 42.35		
SIMW2094 11/6	132	259.7					
SIMW2079 11/6	133	3.9					
SIM2102S 11/6	133	2,223.4	11-15-23 20,000	11-20-23 110	12-1-23 58.62		
SIMW2093 11/6	134	9.8					
SIMW2080 11/6	135	395.9					

SIMI VALLEY SEM

PENETRATION ID	GRID #	INITIAL (PPM)	1st 10 DAY (PPM)	2nd 10 DAY (PPM)	1st 30 DAY (PPM)	3rd 10 DAY (PPM)	2nd 30 DAY (PPM)
SIMW2213 11/1	135	223.3					
SIMW2002 11/1	136	6,814.5	11-10-23 30,000	11-20-23 357	12-1-23 42.35		
SIMW2212 11/1	136	5,300.2	11-10-23 6,380	11-20-23 158	12-1-23 18.17		
SIMW2088 11/6	137	5.3					
SIMW2004 11/6	138	9,662.7	11-15-23 80,000	11-20-23 425	12-1-23 51.16		
SIMW2214 11/6	138	2,380	11-15-23 80,000	11-20-23 331	12-1-23 154		
SIMW1809 11/6	139	4,119	11-15-23 114		12-1-23 119		
SIMW1815 11/6	139	22.3					
SIMW1814 11/6	141	56.2					
SIMW2005 11/6	141	8,684.2	11-15-23 22.7		12-1-23 33.23		
SIMW1817 11/6	142	32.8					
SIMW1811 11/6	143	407.8					
SIMW1813 11/6	143	41.3					
SIMW2082 11/6	143	203.8					
SIMW2341 11/6	143	31.9					
SIMW1812 11/6	144	7,119	11-15-23 488		12-1-23 12.04		
SIMW2070 11/6	144	285.9					
SIMSVE03 11/6	144	255.8					
SIM2004A 11/6	145	136.7					
SIM1936S 11/6	145	612.8	11-15-23 27.9		12-1-23 23.14		
SIM2199A 11/6	145	16.7					
SIM2115F 11/6	146	71.3					
SIM2106A 11/6	146	101.7					
SIM2105A 11/6	146	70.9					
SIMW2211 11/6	148	2,248.7	11-15-23 165		12-1-23 24.98		
SIMW2089 11/6	149	2,199	11-15-23 436		12-1-23 4.07		
SIMW2210 11/6	150	2,251.9	11-15-23 94.8		12-1-23 12.24		
SIMW1810 11/6	151	738.5	11-15-23 482		12-1-23 18.2		
SIMW1819 11/6	151	158.4					
SIMW1818 11/6	153	5.6					

SIMI VALLEY SEM

PENETRATION ID	GRID #	INITIAL (PPM)	1st 10 DAY (PPM)	2nd 10 DAY (PPM)	1st 30 DAY (PPM)	3rd 10 DAY (PPM)	2nd 30 DAY (PPM)
SIMW2090	153	28.1					
SIMW2091 11/6	155	63.3					
SIMW2092 11/6	156	3.2					
SIM2115E 11/6	157	28.4					
SIM2107A 11/6	157	834.7	11-15-23 234		12-1-23 47.68		
SIM2108A 11/6	157	61.7					
SIM2123A 11/6	157	162.6					
SIM2115D 11/6	158	69.0					
SIM2109A 11/6	158	65.4					
SIM2110A 11/6	158	110.0					
SIM2125A 11/6	158	38.8					
SIM2115C 11/6	159	78.4					
SIM2111A 11/6	159	243.5					
SIM2112A 11/6	159	22.5					
SIM2126A 11/6	159	151.5					
SIM2127A 11/6	159	124.4					
SIM2115B 11/6	161	15.3					
SIM2128A 11/6	161	14.4					
SIM2115A 11/6	168	33.2					
SIM2113A 11/6	168	67.8					
SIM2114A 11/6	168	33.9					
SIM2129A 11/6	168	37.2					
SIM2336A 11/6	168	28.6					
SIMLR22A 11/6	168	45.1					
SIMLR22B 11/6	168	37.8					
SIMLR23A 11/6	168	147.1					
SIM2100S 11/7	185	1.6					
SIMLR22C 11/7	185	1.8					
SIMLR23B 11/7	186	1.8					
SIM2116A 11/7	188	2.0					

SIMI VALLEY SEM

PENETRATION ID	GRID #	INITIAL (PPM)	1st 10 DAY (PPM)	2nd 10 DAY (PPM)	1st 30 DAY (PPM)	3rd 10 DAY (PPM)	2nd 30 DAY (PPM)
SIM2117A 11/6	191	322.2					
SIM2330A 11/7	191	15.4					
SIM2331A 11/7	191	11.9					
SIM2135D 11/7	191	25.0					
SIM2118A 11/6	193	165.4					
SIM2332A 11/6	193	200.2					
SIM2135C 11/7	193	6.0					
SIM2119A 11/6	197	34.2					
SIM2333A 11/6	197	293.9					
SIM2120A 11/6	199	63.7					
SIM2334A 11/6	199	59.3					
SIM2135B 11/6	199	51.4					
SIM2135A 11/6	203	75.5					

Waste Management Instantaneous Landfill Surface Emissions Monitoring
Exceedance and Monitoring Logs

Quarter: 4TH QTR 2023
Initial Monitoring Performed By: MIKE ORUE
Follow-up Monitoring Performed By: Mike Orue, Stephen Brothers
Landfill Name: SIMI VALLEY LANDFILL

Initial Monitoring Event				Corrective Action within 5 Days		1st 10-Day Follow-Up			1st 30-Day Follow-Up			Comments
Grid #	Flag #	Monitoring Date	Field Reading	Repair Date	Action taken to repair Exceedance	Monitoring Date	No Exceed. <500 ppm	Exceed. >500 ppm	Monitoring Date	No Exceed. <500 ppm	Exceed. >500 ppm	
132	Y1	11/1/2023	361148.188			11-10-23		60,000	12-1-23	42.35		SIMW2073
136	Y2	11/1/2023	6814.5					30,000		37.41		SIMW2002
136	Y3	11/1/2023	5300.2002					6,380		18.17		SIMW2212
130	Y4	11/1/2023	2345 3999				481			8.47		SIMW2074
35	Y5	11/1/2023	2217.8				37.3			11.50		SIMW1785
86	Y6	11/1/2023	1677				436			14.25		SIMW2234
71	Y7	11/1/2023	776 6				12.9			6.54		SIM1805D
12	Y8	11/1/2023	725.5				10.1			12.25		SIMW1015

Waste Management Instantaneous Landfill Surface Emissions Monitoring
Exceedance and Monitoring Logs

Quarter: 4TH QTR 2023
Initial Monitoring Performed By: MIKE ORUE
Follow-up Monitoring Performed By: Mike Orue, Stephen Brothers
Landfill Name: SIMI VALLEY LANDFILL

Initial Monitoring Event				Corrective Action within 5 Days		1st 10-Day Follow-Up			2nd 10-Day Follow-Up			Comments
Grid #	Flag #	Monitoring Date	Field Reading	Repair Date	Action taken to repair Exceedance	Monitoring Date	No Exceed. <500 ppm	Exceed. >500 ppm	Monitoring Date	No Exceed. <500 ppm	Exceed. >500 ppm	
132	Y1	11/1/2023	361148.188			11-10-23		60,000	11-20-23	957		SIMW2073
136	Y2	11/1/2023	6814.5					30,000		606		SIMW2002
136	Y3	11/1/2023	5300.2002					6,380		658		SIMW2212
130	Y4	11/1/2023	2345 3999				481					SIMW2074
35	Y5	11/1/2023	2217.8				37.3					SIMW1785
86	Y6	11/1/2023	1677				436					SIMW2234
71	Y7	11/1/2023	776.6				12.9					SIM1805D
12	Y8	11/1/2023	725 5				10.1					SIMW1015

Waste Management Instantaneous Landfill Surface Emissions Monitoring
Exceedance and Monitoring Logs

Quarter: 4TH QTR 2023
Initial Monitoring Performed By: MIKE ORUE
Follow-up Monitoring Performed By: Mike Orue, Stephen Borchert
Landfill Name: SIMI VALLEY LANDFILL

Initial Monitoring Event				Corrective Action within 5 Days		1st 10-Day Follow-Up			1st 30-Day Follow-Up			Comments
Grid #	Flag #	Monitoring Date	Field Reading	Repair Date	Action taken to repair Exceedance	Monitoring Date	No Exceed. <500 ppm	Exceed. >500 ppm	Monitoring Date	No Exceed. <500 ppm	Exceed. >500 ppm	
62	Y9	11/2/2023	7277.2002			11-10-23		4,000	12-1-23	14.21		SIMW2229
48	Y10	11/2/2023	1866.5				135			26.38		SIM1572S
100	Y11	11/2/2023	1798.4				211			14.91		SIMW0817
127	Y12	11/2/2023	1221.6				26.7			8.53		SIMW2097
48	Y13	11/2/2023	613.3				95.3			87.21		SIM1572D
102	Y14	11/2/2023	758.1				176			135		2023Q4_102_ISM
90	Y15	11/2/2023	562.6				272			10.19		2023Q4_090_ISM

Waste Management Instantaneous Landfill Surface Emissions Monitoring
Exceedance and Monitoring Logs

Quarter: 4TH QTR 2023
Initial Monitoring Performed By: MIKE ORUE
Follow-up Monitoring Performed By: Mike Orue, Stephen Borkus
Landfill Name: SIMI VALLEY LANDFILL

Initial Monitoring Event				Corrective Action within 5 Days		1st 10-Day Follow-Up			2nd 10-Day Follow-Up			Comments
Grid #	Flag #	Monitoring Date	Field Reading	Repair Date	Action taken to repair Exceedance	Monitoring Date	No Exceed. <500 ppm	Exceed. >500 ppm	Monitoring Date	No Exceed. <500 ppm	Exceed. >500 ppm	
62	Y9	11/2/2023	7277.2002			11-10-23		4,000	11-20-23	221		SIMW2229
48	Y10	11/2/2023	1866.5				135					SIM1572S
100	Y11	11/2/2023	1798.4				211					SIMW0817
127	Y12	11/2/2023	1221.6				26.7					SIMW2097
48	Y13	11/2/2023	613.3				95.3					SIM1572D
102	Y14	11/2/2023	758.1				176					2023Q4_102_ISM
90	Y15	11/2/2023	562.6				272					2023Q4_090_ISM

Waste Management Instantaneous Landfill Surface Emissions Monitoring
Exceedance and Monitoring Logs

Quarter: 4TH QTR 2023
Initial Monitoring Performed By: MIKE ORUE
Follow-up Monitoring Performed By: MIKE ORUE, Stephen Barbis
Landfill Name: SIMI VALLEY LANDFILL

Initial Monitoring Event				Corrective Action within 5 Days		1st 10-Day Follow-Up			1st 30-Day Follow-Up			Comments
Grid #	Flag #	Monitoring Date	Field Reading	Repair Date	Action taken to repair Exceedance	Monitoring Date	No Exceed. <500 ppm	Exceed. >500 ppm	Monitoring Date	No Exceed. <500 ppm	Exceed. >500 ppm	
138	Y16	11/6/2023	9662.7002			11-15-23		80,000	12-1-23	87.16		SIMW2004
141	Y17	11/6/2023	8684.2002				22.7			33.23		SIMW2005
144	Y18	11/6/2023	7119				488			12.04		SIMW1812
139	Y19	11/6/2023	4119				114			119		SIMW1809
138	Y20	11/6/2023	2380					80,000		154		SIMW2214
148	Y21	11/6/2023	2288.7				165			24.98		SIMW2211
150	Y22	11/6/2023	2251.8999				94.3			12.24		SIMW2210
133	Y23	11/6/2023	2223.3999					20,000		58.62		SIM2102S
149	Y24	11/6/2023	2199				436			4.07		SIMW2089
115	Y25	11/6/2023	1323.4				470			12.07		SIMW1561
157	Y26	11/6/2023	834.7				234			42.68		SIM2107A
151	Y27	11/6/2023	738.5				432			182		SIMW1810
145	Y28	11/6/2023	612.8			↓	27.9		↓	23.14		SIM1936S

Waste Management Instantaneous Landfill Surface Emissions Monitoring
Exceedance and Monitoring Logs

Quarter: 4TH QTR 2023
Initial Monitoring Performed By: MIKE ORUE
Follow-up Monitoring Performed By: Mike Orue, Stephen Borchers
Landfill Name: SIMI VALLEY LANDFILL

Initial Monitoring Event				Corrective Action within 5 Days		1st 10-Day Follow-Up			2nd 10 -Day Follow-Up			Comments
Grid #	Flag #	Monitoring Date	Field Reading	Repair Date	Action taken to repair Exceedance	Monitoring Date	No Exceed. <500 ppm	Exceed. >500 ppm	Monitoring Date	No Exceed. <500 ppm	Exceed. >500 ppm	
138	Y16	11/6/2023	9662.7002			11-15-23		80,000	11-20-23	425		SIMW2004
141	Y17	11/6/2023	8684.2002				22.7					SIMW2005
144	Y18	11/6/2023	7119				483					SIMW1812
139	Y19	11/6/2023	4119				114					SIMW1809
138	Y20	11/6/2023	2380					80,000	11-20-23	331		SIMW2214
148	Y21	11/6/2023	2288 7				165					SIMW2211
150	Y22	11/6/2023	2251.8999				94.5					SIMW2210
133	Y23	11/6/2023	2223 3999					20,000	11-20-23	110		SIM2102S
149	Y24	11/6/2023	2199				436					SIMW2089
115	Y25	11/6/2023	1323.4				470					SIMW1561
157	Y26	11/6/2023	834.7				234					SIM2107A
151	Y27	11/6/2023	738.5				482					SIMW1810
145	Y28	11/6/2023	612.8				27.9					SIM1936S

Waste Management Instantaneous Landfill Surface Emissions Monitoring
Exceedance and Monitoring Logs

Quarter: 4TH QTR 2023
Initial Monitoring Performed By: MIKE ORUE
Follow-up Monitoring Performed By: MIKE ORUE
Landfill Name: SIMI VALLEY LANDFILL

Initial Monitoring Event				Corrective Action within 5 Days		1st 10-Day Follow-Up			1st 30-Day Follow-Up			Comments
Grid #	Flag #	Monitoring Date	Field Reading	Repair Date	Action taken to repair Exceedance	Monitoring Date	No Exceed. <500 ppm	Exceed. >500 ppm	Monitoring Date	No Exceed. <500 ppm	Exceed. >500 ppm	
2023Q4_145_ISM	Y29	11/10/2023	629.6			11-20-23	371		12-8-23	15.25		SURFACE
2023Q4_147_ISM	Y30	11/10/2023	532.2			↓	292		↓	67.76		SURFACE

Waste Management Instantaneous Landfill Surface Emissions Monitoring
Exceedance and Monitoring Logs

Quarter: 4TH QTR 2023
Initial Monitoring Performed By: MIKE ORUE
Follow-up Monitoring Performed By: Stephen Barbers
Landfill Name: SIMI VALLEY LANDFILL

Initial Monitoring Event				Corrective Action within 5 Days		1st 10-Day Follow-Up			1st 30-Day Follow-Up			Comments
Grid #	Flag #	Monitoring Date	Field Reading	Repair Date	Action taken to repair Exceedance	Monitoring Date	No Exceed. <500 ppm	Exceed. >500 ppm	Monitoring Date	No Exceed. <500 ppm	Exceed. >500 ppm	
2023Q4_134_ISM	Y31	11/14/2023	7326.3999			11-21-23	15.71		12-13-23	75.31		SURFACE
2023Q4_131_ISM	Y32	11/14/2023	2006.3				74.61			41.85		SURFACE
2023Q4_132_ISM	Y33	11/14/2023	1594.1				74.81			31.17		SURFACE
2023Q4_133_ISM	Y34	11/14/2023	1544.1				14.68			53.57		SURFACE
2023Q4_135_ISM	Y35	11/14/2023	610.2				59.65			25.19		SURFACE
2023Q4_182_ISM	Y36	11/14/2023	889.2				61.31			13.16		SURFACE

Waste Management Instantaneous Landfill Surface Emissions Monitoring
Exceedance and Monitoring Logs

Quarter: 4TH QTR 2023
Initial Monitoring Performed By: MIKE ORUE
Follow-up Monitoring Performed By: MIKE ORUE
Landfill Name: SIMI VALLEY LANDFILL

Initial Monitoring Event				Corrective Action within 5 Days		1st 10-Day Follow-Up			1st 30-Day Follow-Up			Comments
Grid #	Flag #	Monitoring Date	Field Reading	Repair Date	Action taken to repair Exceedance	Monitoring Date	No Exceed. <500 ppm	Exceed. >500 ppm	Monitoring Date	No Exceed. <500 ppm	Exceed. >500 ppm	
2023Q4_117_ISS	Y36	11/29/2023	894.1			12-8-23	319		12-25-23	211		SURFACE
2023Q4_118_ISS	Y37	11/29/2023	830.6				277			260		SURFACE
2023Q4_113_ISS	Y38	11/29/2023	708.1				53.8			10.1		SURFACE
2023Q4_102_ISS	Y39	11/29/2023	693.2				81.1			21.4		SURFACE
2023Q4_147_ISS	Y40	11/29/2023	657.4				42.6			27.9		SURFACE
2023Q4_146_ISS	Y41	11/29/2023	643.5				89.2			77.2		SURFACE
2023Q4_084_ISS	Y42	11/29/2023	565.3				14.8			9.6		SURFACE
2023Q4_117_ISS	Y43	11/29/2023	533.6				34.4			33.9		SURFACE

Waste Management Instantaneous Landfill Surface Emissions Monitoring
Exceedance and Monitoring Logs

Quarter: 4TH QTR 2023
Initial Monitoring Performed By: MIKE ORUE
Follow-up Monitoring Performed By: MIKE ORUE
Landfill Name: SIMI VALLEY LANDFILL

Initial Monitoring Event				Corrective Action within 5 Days		1st 10-Day Follow-Up			1st 30-Day Follow-Up			Comments
Grid #	Flag #	Monitoring Date	Field Reading	Repair Date	Action taken to repair Exceedance	Monitoring Date	No Exceed. <500 ppm	Exceed. >500 ppm	Monitoring Date	No Exceed. <500 ppm	Exceed. >500 ppm	
2023Q4_134_ISS	Y44	11/30/2023	5034.7002			12-8-23	406		12-29-23	374		
2023Q4_195_ISS	Y45	11/30/2023	3243.8999				357			330		
2023Q4_132_ISS	Y46	11/30/2023	1063.4				23.8			121		
2023Q4_189_ISS	Y47	11/30/2023	844.5				58.1			47.7		
2023Q4_131_ISS	Y48	11/30/2023	839.2				84.6			84.1		
2023Q4_148_ISS	Y49	11/30/2023	740				78.2			66.4		
2023Q4_133_ISS	Y50	11/30/2023	736				297			291		
2023Q4_183_ISS	Y51	11/30/2023	605.9				361			299		

Blue Flag (200-499 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site: SIMI VALLEY LANDFILL

Quarter / Year: 4TH QTR 2023					4th QTR 2023					**Page 1 of 1 Pages**
Technician: MIKE ORUE					MIKE ORUE					
Instrument: INSPECTRA					TVA1000					
Calibration Standard: 500PPM					500PPM					
Initial Monitoring Event					**Re-Monitoring Event – 10 Days**				**Comments**	
Grid Number	**Flag Number**	**Location**	**Field Reading (ppm)**	**Date Monitored**	**Remedial Work**	**Date Monitored**	**Field Reading <200 ppm**	**Field Reading >200 ppm**		
93	B1		402	11/1/2023		11-10-23	39.5		SIMW1222	
122	B2		381.6	11/1/2023			190		SIMW2098	
121	B3		378.3	11/1/2023			194		SIMW2215	
91	B4		335	11/1/2023			23.5		SIMW2227	
83	B5		230.9	11/1/2023			165		SIMW822S	
135	B6		223.2	11/1/2023		↓		80,000	SIMW2213	

Blue Flag (200-499 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site: SIMI VALLEY

Quarter / Year:	4TH QTR 2023				4TH QTR 2023				Page 1 of 1 Pages	
Technician:	MIKE ORME				S. BRANCHEAU					
Instrument:	TVA 1000				TVA 1000					
Calibration Standard:	500 PPM				500 PPM					
1ST REMonitoring Event – 10 DAYS					2ND Re-Monitoring Event – 10 Days				Comments	
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	Field Reading <200 ppm	Field Reading >200 ppm		
93	B1	SIMW1222	39.5	11-10-23						
122	B2	SIMW2098	190							
121	B3	SIMW2215	194							
91	B4	SIMW2227	23.5							
83	B5	SIMW8228	165							
135	B6	SIMW2213	80,000	↓		11-20-23	75.20			

Blue Flag (200-499 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site: SIMI VALLEY LANDFILL

Quarter / Year: 4TH QTR 2023					4th QTR 2023				Page 1 of 1 Pages
Technician: MIKE ORUE					MIKE ORUE				
Instrument: INSPECTRA					TVA1000				
Calibration Standard: 500PPM					500ppm				
Initial Monitoring Event					**Re-Monitoring Event – 10 Days**				**Comments**
Grid Number	**Flag Number**	**Location**	**Field Reading (ppm)**	**Date Monitored**	**Remedial Work**	**Date Monitored**	**Field Reading <200 ppm**	**Field Reading >200 ppm**	
60	B7		424.4	11/2/2023		11-10-23	11.7		SIMW1806
105	B8		232.3	11/2/2023			81.6		2023Q4_105_ISM
103	B9		230.5	11/2/2023			52.8		2023Q4_103_ISM
55	B10		224.2	11/2/2023			76.1		2023Q4_055_ISM
56	B11		216.1	11/2/2023			48.0		2023Q4_056_ISM
91	B12		207.8	11/2/2023		↓	67.4		2023Q4_091_ISM

Blue Flag (200-499 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site: SIMI VALLEY LANDFILL

Quarter / Year: 4TH QTR 2023		4th QTR 2023			**Page 1 of 1 Pages**
Technician: MIKE ORUE		MIKE ORUE			
Instrument: INSPECTRA		TVA1000			
Calibration Standard: 500PPM		500ppm			

Initial Monitoring Event					Re-Monitoring Event – 10 Days				Comments
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	Field Reading <200 ppm	Field Reading >200 ppm	
143	B13	SIMW1811	407.8	11/6/2026		11-15-23	179		SIMW1811
193	B14	SIM2332A	404.2	11/6/2026			53.2		SIM2332A
135	B15	SIMW2080	395.8	11/6/2026			182		SIMW2080
191	B16	SIM2117A	322.2	11/6/2026			107		SIM2117A
197	B17	SIM2333A	293.9	11/6/2026			87.7		SIM2333A
144	B18	SIMW2070	285.9	11/6/2026			156		SIMW2070
188	B19	SIM2116A	280.3	11/6/2026			112		SIM2116A
132	B20	SIMW2094	259.7	11/6/2026			191		SIMW2094
144	B21	SIMSVE03	257.1	11/6/2026			23.5		SIMSVE03
16	B22	SIMH0017	255.5	11/6/2026			58.8		SIMH0017
159	B23	SIM2111A	243.5	11/6/2026			103		SIM2111A
128	B24	SIMW2077	230.3	11/6/2026			99.7		SIMW2077
143	B25	SIMW2082	203.8	11/6/2026			32.3		SIMW2082

Blue Flag (200-499 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site: SIMI VALLEY LANDFILL

Quarter / Year: 4TH QTR 2023					4th QTR 2023				Page 1 of 1 Pages
Technician: MIKE ORUE					S. BURCHES				
Instrument: INSPECTRA					TVA 1000				
Calibration Standard: 500PPM					500 PPM				
Initial Monitoring Event					Re-Monitoring Event – 10 Days				Comments
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	Field Reading <200 ppm	Field Reading >200 ppm	
2023Q4_083_ISM	B26	2023Q4_083_ISM	486.1	11/10/2023		11-20-23	101		SURFACE
2023Q4_148_ISM	B27	2023Q4_148_ISM	361.4	11/10/2023		↓	96.34		SURFACE

Blue Flag (200-499 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site: SIMI VALLEY LANDFILL

Quarter / Year: 4TH QTR 2023		4TH QR 2023		Page 1 of 1 Pages
Technician: MIKE ORUE		Stephen Borchers		
Instrument: INSPECTRA		TVA 1000		
Calibration Standard: 500PPM		500 ppm		

Initial Monitoring Event					Re-Monitoring Event – 10 Days				Comments
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	Field Reading <200 ppm	Field Reading >200 ppm	
2023Q4_199_ISM	B28		495.9	11/14/2023		11-21-23	19.17		SURFACE
2023Q4_189_ISM	B29		479.4	11/14/2023			131.65		SURFACE
2023Q4_197_ISM	B30		408.4	11/14/2023			15.25		SURFACE
2023Q4_136_ISM	B31		342.7	11/14/2023			12.37		SURFACE
2023Q4_152_ISM	B32		294.1	11/14/2023			30.57		SURFACE
2023Q4_195_ISM	B33		273.9	11/14/2023			10.03		SURFACE
2023Q4_130_ISM	B34		262.7	11/14/2023			15.43		SURFACE
2023Q4_127_ISM	B35		260.5	11/14/2023			44.19		SURFACE
2023Q4_153_ISM	B36		241.1	11/14/2023			75.86		SURFACE
2023Q4_137_ISM	B37		241	11/14/2023			27.21		SURFACE
2023Q4_138_ISM	B38		234.2	11/14/2023			15.62		SURFACE
2023Q4_191_ISM	B39		233.7	11/14/2023			36.17		SURFACE
2023Q4_129_ISM	B40		233.2	11/14/2023			23.71		SURFACE
2023Q4_185_ISM	B41		222.1	11/14/2023		↓	43.21		SURFACE

Blue Flag (200-499 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site: SIMI VALLEY LANDFILL

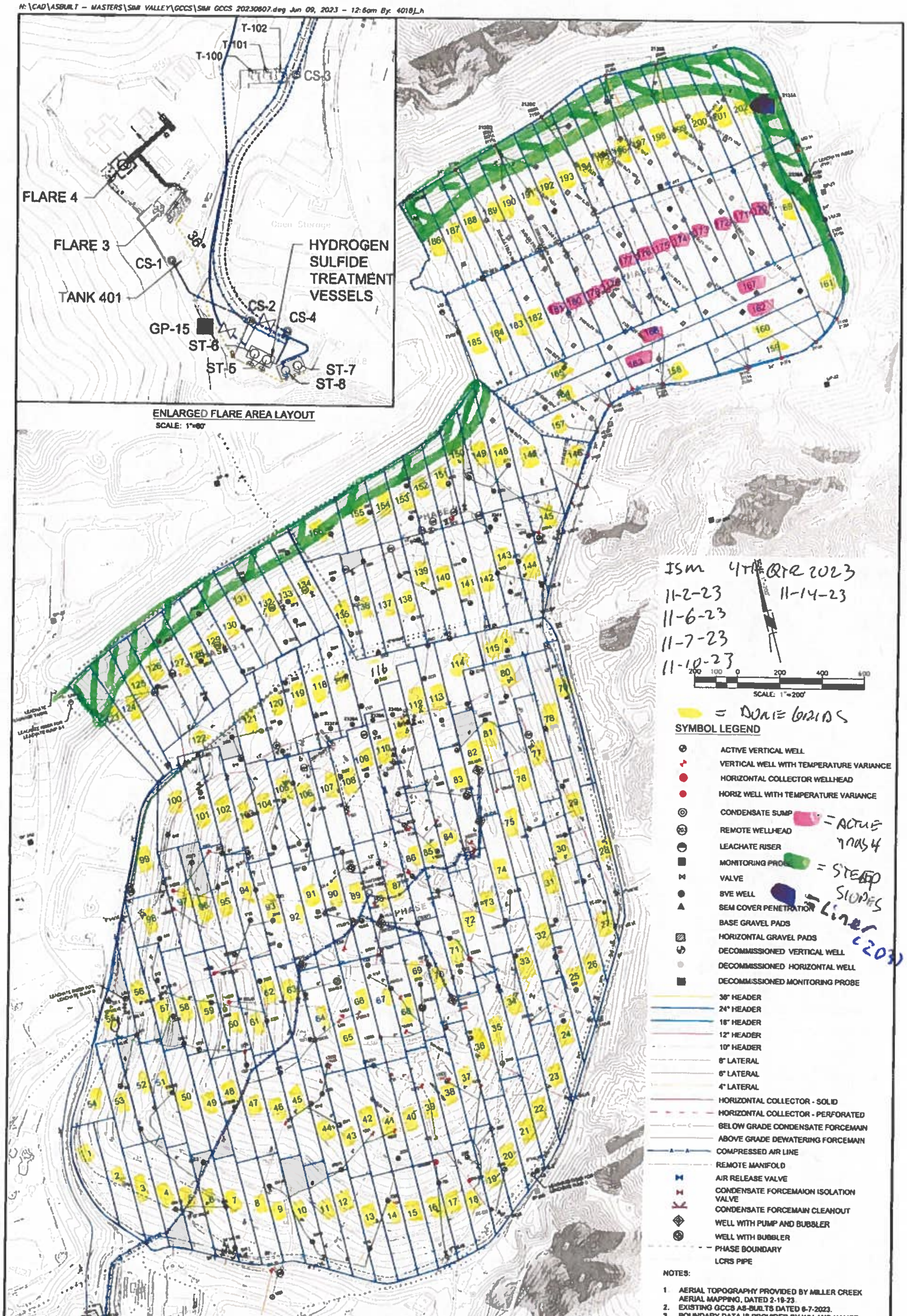
Quarter / Year: 4TH QTR 2023					4th QTR 2023					**Page 1 of 1 Pages**
Technician: MIKE ORUE					MIKE ORUE					
Instrument: INSPECTRA					TVA1000					
Calibration Standard: 500PPM					500PPM					
Initial Monitoring Event					**Re-Monitoring Event – 10 Days**				**Comments**	
Grid Number	**Flag Number**	**Location**	**Field Reading (ppm)**	**Date Monitored**	**Remedial Work**	**Date Monitored**	**Field Reading <200 ppm**	**Field Reading >200 ppm**		
2023Q4_135_ISS	B42		465.7	11/29/2023		12-8-23	176		SURFACE	
2023Q4_142_ISS	B43		372.4	11/29/2023			102		SURFACE	
2023Q4_075_ISS	B44		361.2	11/29/2023			11.7		SURFACE	
2023Q4_136_ISS	B45		325.2	11/29/2023			84.2		SURFACE	
2023Q4_110_ISS	B46		290.5	11/29/2023			53.2		SURFACE	
2023Q4_106_ISS	B47		244.1	11/29/2023			139		SURFACE	
2023Q4_115_ISS	B48		228.5	11/29/2023			186		SURFACE	
2023Q4_141_ISS	B49		213.5	11/29/2023			81.4		SURFACE	

Blue Flag (200-499 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site: SIMI VALLEY LANDFILL

Quarter / Year: 4TH QTR 2023					4th QTR 2023					Page 1 of 1 Pages
Technician: MIKE ORUE					MIKE ORUE					
Instrument: INSPECTRA					TVA1000					
Calibration Standard: 500PPM					500PPM					
Initial Monitoring Event					**Re-Monitoring Event – 10 Days**				**Comments**	
Grid Number	**Flag Number**	**Location**	**Field Reading (ppm)**	**Date Monitored**	**Remedial Work**	**Date Monitored**	**Field Reading <200 ppm**	**Field Reading >200 ppm**	
2023Q4_129_ISS	B50		437.6	11/30/2023		12-8-23	170		
2023Q4_182_ISS	B51		399.8	11/30/2023		"	111		
2023Q4_130_ISS	B52		353.8	11/30/2023		"	85.2		
2023Q4_190_ISS	B53		270.6	11/30/2023		"	93.2		
2023Q4_149_ISS	B54		252.6	11/30/2023		"	178		

N:\CAD\ASBUILT - MASTERS\SIMI VALLEY\GCCS\SIMI GCCS 20230607.dwg Jun 09, 2023 - 12:6am By: 4018J_h



NOTES:

1. AERIAL TOPOGRAPHY PROVIDED BY MILLER CREEK AERIAL MAPPING, DATED 2-19-23.
2. EXISTING GCCS AS-BUILTS DATED 6-7-2023.
3. BOUNDARY DATA IS PROVIDED BY WM AND NAMED "ACAD-JTD BOUNDARIES WITH 3-5 SUBPHASES"

DRAWING NO. 3 of 3 | SCALE: AS SHOWN | DATE: 06-07-2023

SCS ENGINEERS
ENVIRONMENTAL CONSULTANTS
3900 KILROY AIRPORT WAY, SUITE 100
LONG BEACH, CA 90806
PH. (562) 426-9544 FAX. (562) 427-0805

DSN. BY: RR | DWN. BY: WM | CHK. BY: JH | APP. BY: JH

CLIENT: WASTE MANAGEMENT

SHEET TITLE: SEM PENETRATION MAP

PROJECT TITLE:
SIMI VALLEY LANDFILL AND RECYCLING CENTER
2801 MADERA ROAD
SIMI VALLEY, CALIFORNIA 93065

NO.	REVISION	DATE
△		
△		
△		
△		
△		
△		

SIMI VALLEY LANDFILL

4TH QUARTER 2023 PERIMETER WALK ROUTES

SCS ENGINEERS
ENVIRONMENTAL CONSULTANTS

Attachment B

Integrated Surface Emission Monitoring Event Records

SIMI VALLEY LANDFILL
INTEGRATED LANDFILL SURFACE MONITORING

Personnel: M. Abrahams, D. Anderson, G. Robles, C. Hughes

Cal. Gas Exp. Date: 4/27

Date: 11-15-23 Instrument Used: Inspectra Grid Spacing: 25 PT

Temperature: 52° Precip: 0 Upwind BG: 1.9 Downwind BG: 2.7

GRID ID	STAFF INITIALS	START TIME	STOP TIME	TOC PPM		WIND INFORMATION			REMARKS
						AVG SPEED	MAX. SPEED	DIRECTION 16 POINT	
9	MA	0810	0835	4.17		1	2	2	
10	MA	0835	0900	8.32		1	2	16	
11	MA	0900	0930	5.41		0	1	14	
12	MA	0930	0955	10.43		1	2	6	
13	MA	1000	1025	4.60		3	3	6	
14	MA	1025	1055	5.19		2	3	6	
15	MA	1055	1115	4.56		4	6	10	
46	GR	0807	0832	16.63		1	2	2	
45	GR	0833	0858	16.47		1	2	16	
44	GR	0900	0925	19.09		0	1	14	
43	GR	0926	0951	18.03		1	2	6	
42	GR	0952	1017	17.72		2	3	6	
41	GR	1018	1043	17.71		3	5	12	
40	GR	1044	1105	17.70		4	6	12	
47	CH	0807	0832	8.25		1	2	2	
48	CH	0835	0900	9.44		1	2	16	
49	CH	0902	0927	6.52		0	1	14	
50	CH	0931	0955	6.96		1	2	6	
51	CH	1000	1025	5.91		3	3	6	
52	CH	1030	1055	4.71		2	3	6	
8	DA	0808	0829	2.14		1	2	2	
7	DA	0831	0855	1.24		1	2	16	
6	DA	0857	0922	1.69		0	1	14	
5	DA	0928	0953	2.37		1	2	6	
4	DA	1000	1023	3.79		2	3	6	
3	DA	1025	1047	3.63		3	4	10	

Attach Calibration Sheet
Attach site map showing grid ID

SIMI VALLEY LANDFILL
INTEGRATED LANDFILL SURFACE MONITORING

Personnel: T. Lewis, G. Lopez, G. Robles, N. Jamerson, A. Canales

Cal. Gas Exp. Date: 4/27

Date: 11-28-23 Instrument Used: Inspectra Grid Spacing: 25FT

Temperature: 54° Precip: 0 Upwind BG: 1.6 Downwind BG: 2.4

GRID ID	STAFF INITIALS	START TIME	STOP TIME	TOC PPM		WIND INFORMATION			REMARKS
						AVG SPEED	MAX. SPEED	DIRECTION 16 POINT	
8	TL	0744	0759	2.14		3	4	13	Vegetation
7	TL	0800	0825	1.24		2	2	14	Vegetation
6	TL	0836	0847	1.69		3	5	14	Vegetation
5	TL	0848	0912	2.37		3	4	16	Vegetation
4	TL	0914	0930	3.78		2	3	16	Vegetation / Steep Slope
3	TL	0930	0947	3.63		1	2	14	Vegetation / Heavy Equipment
2	TL	0949	1009	2.70		3	4	8	Vegetation / Heavy Equipment
1	TL	1010	1025	3.54		3	5	8	Heavy Equipment
54	TL	1029	1054	4.58		3	5	11	Heavy Equipment
91	TL	1115	11140	2.32		2	3	11	
90	TL	1141	1206	2.36		2	4	10	
17	GR	0750	0811	2.69		3	5	13	Steep Slope
18	GR	0822	0842	2.56		3	5	14	Mulch
19	GR	0845	0910	2.56		3	4	16	
20	GR	0912	0937	2.80		2	3	14	
21	GR	0938	1003	2.63		3	4	6	
22	GR	1003	1023	3.20		3	5	8	TRAFFIC
23	GR	1023	1044	2.97		3	5	10	Obstruction
24	GR	1044	1104	3.11		2	4	10	TRAFFIC
63	GR	1128	1144	3.79		2	3	16	loose footing
64	GR	1146	1206	3.39		2	4	10	loose footing
39	AC	0813	0827	2.31		2	2	14	DIRT Stockpile
38	AC	0830	0841	1.70		3	5	14	DIRT Stockpile
37	AC	0843	0856	1.86		1	4	16	DIRT Stockpile
36	AC	0858	0918	1.71		3	4	16	
35	AC	0919	0942	2.34		1	2	14	
34	AC	0944	1007	1.75		3	4	8	
33	AC	1010	1035	3.05		1	3	8	
32	AC	1037	1059	2.39		3	5	11	Slope
89	AC	1141	1203	2.67		2	4	10	Bags of Rocks

Attach Calibration Sheet
Attach site map showing grid ID

SIMI VALLEY LANDFILL
INTEGRATED LANDFILL SURFACE MONITORING

Personnel: J. Lewis, G. Lopez, G. Robles, N. Jamerson, A. Canales

Cal. Gas Exp. Date: 4/27

Date: 11-28-23 Instrument Used: Inspector Grid Spacing: 25FT

Temperature: 54° Precip: 0 Upwind BG: 1.6 Downwind BG: 2.4

GRID ID	STAFF INITIALS	START TIME	STOP TIME	TOC PPM		WIND INFORMATION			REMARKS
						AVG SPEED	MAX. SPEED	DIRECTION 16 POINT	
88	AC	1120	1140	3.33		2	3	11	GRAVEL PILE
92	GL	0759	0824	5.50		2	2	14	
93	GL	0826	0851	5.23		1	4	16	
94	GL	0920	0945	6.56		1	2	14	
95	GL	0946	1011	4.88		3	4	8	
96	GL	1012	1037	6.44		1	3	8	
97	GL	1038	1102	7.36		2	4	10	
98	GL	1103	1128	5.44		3	5	11	
99	GL	1129	1141	5.57		2	3	10	STEEP SLOPE
67	GL	1156	1216	3.31		1	2	10	UNACCESSIBLE SLOPE
62	NJ	0808	0833	3.94		2	4	14	
61	NJ	0834	0859	3.77		2	3	16	
60	NJ	0902	0922	5.91		3	4	16	
59	NJ	0924	0944	9.20		1	2	14	
58	NJ	0946	1001	5.43		3	4	8	STEEP SLOPE
57	NJ	1002	1027	5.95		3	5	8	
56	NJ	1028	1044	4.29		3	5	10	STEEP SLOPE
55	NJ	1045	1112	5.50		2	4	9	
65	NJ	1134	1149	4.57		2	3	10	HEAVY EQUIPMENT / STEEP
66	NJ	1159	1214	4.05		1	2	10	HEAVY EQUIPMENT / STEEP

Attach Calibration Sheet
Attach site map showing grid ID

SIMI VALLEY LANDFILL
INTEGRATED LANDFILL SURFACE MONITORING

Personnel: T. Lewis, A. Lopez, G. Lopez, G. Robles, N. Jamerson

Cal. Gas Exp. Date: 4/27

Date: 11-29-23 Instrument Used: INSpectra Grid Spacing: 25FT

Temperature: 49° Precip: 0 Upwind BG: 1.3 Downwind BG: 2.6

GRID ID	STAFF INITIALS	START TIME	STOP TIME	TOC PPM		WIND INFORMATION			REMARKS
						AVG SPEED	MAX. SPEED	DIRECTION 16 POINT	
118	TL	0735	0800	61.74		3	5	2	H 12-8-23 21.7
117	TL	0800	0820	41.76		3	5	2	Rock Pile H 12-8-23 17.5
116	TL	0823	0848	15.06		3	4	16	
135	TL	0849	0904	58.29		2	4	2	STEEP Slope H 12-8-23 24.8
136	TL	0908	0923	36.54		2	3	2	STEEP Slope - Rock Pile H 10.2
137	TL	0923	0938	44.17		2	4	2	STEEP Slope - Rock Pile H 14.7
138	TL	0939	0954	29.13		2	3	14	Heavy Equipment H 12.4
139	TL	0956	1012	33.41		2	4	12	Heavy equipment - Rock Pile H 16.7
115	TL	1026	1041	11.81		1	3	16	STEEP Slope
84	TL	1059	1115	7.88		4	6	10	STEEP Slope
72	TL	1115	1141	3.75		4	6	10	
75	AL	0755	0820	23.46		3	5	2	
81	AL	0822	0847	20.15		3	4	16	
80	AL	0848	0913	8.29		3	4	2	
76	AL	0914	0939	13.61		2	4	2	
31	AL	0940	1005	5.76		1	2	12	
25	AL	1006	1031	2.49		1	2	12	
26	AL	1032	1057	4.29		2	5	10	
30	AL	1058	1123	3.26		4	7	11	
68	AL	1134	1159	4.45		4	7	11	Rock Pile
108	GL	0743	0808	35.61		2	4	2	H 12-8-23 17.7
109	GL	0811	0836	16.60		3	5	1	
110	GL	0838	0903	12.87		2	4	2	
111	GL	0914	0934	15.77		2	4	2	STEEP Slope
112	GL	0935	0956	16.20		2	3	14	STEEP Slope
113	GL	0958	1022	20.64		1	3	10	Heavy Equipment
114	GL	1023	1048	10.37		2	3	10	Heavy Equipment/Steep Slope
85	GL	1104	1129	4.73		4	7	11	
71	GL	1130	1155	6.12		4	7	11	
107	GR	0738	0804	29.42		2	4	2	H

Attach Calibration Sheet
Attach site map showing grid ID

SIMI VALLEY LANDFILL
INTEGRATED LANDFILL SURFACE MONITORING

Personnel: T. Lewis, G. Robles, A. Lopez, N. Tamerslus, G. Lopez

Cal. Gas Exp. Date: 4/27

Date: 11-29-23 Instrument Used: Inspectra Grid Spacing: 25 FT

Temperature: 49° Precip: 0 Upwind BG: 1.3 Downwind BG: 2.6

GRID ID	STAFF INITIALS	START TIME	STOP TIME	TOC PPM		WIND INFORMATION			REMARKS
						AVG SPEED	MAX. SPEED	DIRECTION 16 POINT	
106	GR	0806	0827	5.42		2	4	1	loose footing
105	GR	0826	0851	10.50		3	4	16	DIRT Pile
104	GR	0854	0914	10.33		3	4	2	DIRT Pile
103	GR	0916	0940	6.39		2	4	2	loose footing
102	GR	0944	1007	13.22		1	2	12	Vegetation
101	GR	1012	1027	6.68		1	2	12	DIRT Stockpile
100	GR	1034	1059	5.40		3	4	10	
86	GR	1113	1133	4.13		5	6	10	STEEP SLOPE
70	GR	1134	1154	3.77		4	7	11	Rock Pile
140	NJ	0744	0809	18.23		2	4	2	
141	NJ	0810	0827	28.78		2	3	1	STEEP SLOPE H 12-8-23 12.1
142	NJ	0828	0853	3.52		3	4	16	STEEP SLOPE
143	NJ	0856	0911	23.36		3	4	2	STEEP SLOPE
144	NJ	0914	0934	16.33		2	4	2	
145	NJ	0937	1002	19.01		1	2	12	
146	NJ	1004	1018	49.32		1	1	14	TRAFFIC H 12-8-23 22.3
147	NJ	1024	1049	44.82		1	3	10	H 12-8-23 19.7
83	NJ	1110	1130	5.45		5	6	10	STEEP SLOPE
73	NJ	1131	1152	4.91		4	7	11	

Attach Calibration Sheet
Attach site map showing grid ID

SIMI VALLEY LANDFILL
INTEGRATED LANDFILL SURFACE MONITORING

Personnel: T. Lewis, A. Lopez, G. Robles, P. Jamerson, Ta. Lopez

Cal. Gas Exp. Date: 4/27

Date: 11-30-23 Instrument Used: INSpectra Grid Spacing: 25ft

Temperature: 54° Precip: 0 Upwind BG: 1.4 Downwind BG: 2.4

GRID ID	STAFF INITIALS	START TIME	STOP TIME	TOC PPM		WIND INFORMATION			REMARKS
						AVG SPEED	MAX. SPEED	DIRECTION 16 POINT	
87	TL	0807	0822	9.91		4	5	2	Rock Pile
69	TL	0823	0840	1.96		3	4	2	Rock Pile
74	TL	0845	0900	5.76		2	3	2	STEEP Slope
82	TL	0900	0920	25.00		4	7	6	STEEP Slope H 12-8-23 6.6
157	TL	0938	0948	9.13		4	7	6	TRAFFIC
164	TL	0949	1004	14.13		4	7	6	TRAFFIC
165	TL	1004	1025	11.75		5	7	6	STEEP Slope
182	TL	1027	1047	28.75		5	7	6	STEEP Slope H 12-8-23 15.1
130	GR	0755	0805	170.26		2	3	1	STEEP Slope H 12-8-23 23.6
129	GR	0810	0820	109.39		4	5	2	mulch H 12-8-23 16.2
128	GR	0821	0831	68.05		4	5	2	STEEP Slope H 12-8-23 10.4
127	GR	0832	0842	47.62		3	4	2	mulch H 12-8-23 13.4
126	GR	0845	0900	23.45		2	3	2	STEEP Slope
125	GR	0901	0911	16.63		2	3	4	STEEP Slope
124	GR	0914	0924	11.61		6	8	6	Sand Pile
123	GR	0925	0938	12.77		4	7	6	STEEP Slope
190	GR	0951	1010	33.49		4	6	6	Construction H 12-8-23 17.5
189	GR	1012	1029	57.01		5	7	6	mulch H 12-8-23 19.4
188	GR	1032	1051	8.62		5	7	6	OBStruction
183	GR	1056	1116	29.24		7	9	7	mulch H 12-8-23 11.4
131	GL	0759	0821	191.27		4	5	2	STEEP Slope H 12-8-23 20.8
132	GL	0822	0842	194.83		3	4	2	STEEP Slope H 12-8-23 23.4
133	GL	0844	0900	144.49		2	3	2	STEEP Slope H 12-8-23 22.6
134	GL	0902	0922	223.27		4	7	6	STEEP Slope H 12-8-23 24.11
185	GL	0932	0957	6.93		4	6	6	
186	GL	1002	1027	3.51		5	7	6	
187	GL	1028	1053	3.11		5	7	6	
184	GL	1056	1121	8.91		7	9	7	
77	AL	0806	0831	2.87		4	5	3	
78	AL	0832	0852	1.97		3	4	2	STEEP Slope

Attach Calibration Sheet
Attach site map showing grid ID

SIMI VALLEY LANDFILL
INTEGRATED LANDFILL SURFACE MONITORING

Personnel: T. Lewis, A. Lopez, G. Rubles, N. Summerson, G. Lopez

Cal. Gas Exp. Date: 4/27

Date: 11-30-23 Instrument Used: Inspector Grid Spacing: 25ft

Temperature: 54° Precip: 0 Upwind BG: 1.4 Downwind BG: 2.4

GRID ID	STAFF INITIALS	START TIME	STOP TIME	TOC PPM		WIND INFORMATION			REMARKS
						AVG SPEED	MAX. SPEED	DIRECTION 16 POINT	
29	AL	0853	0913	1.47		2	5	6	Vegetation/Steep Slope
27	AL	0914	0934	1.89		4	7	6	Steep Slope
28	AL	0935	0955	2.15		4	6	6	Traffic
79	AL	0956	1016	2.77		4	6	6	Traffic
194	AL	1031	1056	13.24		5	7	6	
195	AL	1057	1130	26.39		7	9	7	H 12-5-23 9.6
148	NJ	0759	0814	60.23		2	2	16	Steep Slope H 12-8-23 14.3
149	NJ	0815	0833	46.73		4	5	2	Steep Slope H
150	NJ	0835	0855	20.23		2	3	2	
151	NJ	0855	0910	21.69		2	5	6	Steep Slope
152	NJ	0916	0922	51.30		4	7	6	Steep Slope H 12-8-23 21.5
153	NJ	0923	0933	35.57		4	7	6	Steep Slope H 12-8-23 16.5
154	NJ	0935	0945	13.87		4	7	6	Steep Slope
155	NJ	0946	0955	8.80		4	6	6	Steep Slope
156	NJ	0957	1002	9.19		4	7	6	Steep Slope
158	NJ	1012	1032	12.65		5	7	6	
159	NJ	1035	1052	7.64		5	7	6	
160	NJ	1054	1107	8.46		6	9	6	Heavy Equipment
161	NJ	1109	1129	5.41		5	10	6	

Attach Calibration Sheet
Attach site map showing grid ID

SIMI VALLEY LANDFILL
INTEGRATED LANDFILL SURFACE MONITORING

Personnel: M. ORUG _____ _____ _____

_____ _____ _____

_____ _____ Cal. Gas Exp. Date: _____

Date: 11-30-23 Instrument Used: _____ Grid Spacing: _____

Temperature: _____ Precip: _____ Upwind BG: _____ Downwind BG: _____

GRID ID	STAFF INITIALS	START TIME	STOP TIME	TOC PPM	ROTO-MTR, CC/MIN	WIND INFORMATION			REMARKS
						AVG SPEED	MAX. SPEED	DIRECTION 16 POINT	
162									Active TRASH
163									
166									
167									
168									
169									
170									
171									
172									
173									
174									
175									
176									
177									
178									
179									
180									
181									
196									
197									
198									
199									
200									
201									
202									
119									Heavy equipment working
120									
121									
122									
191									

Attach Calibration Sheet
Attach site map showing grid ID

Page 1 of 2

SIMI VALLEY LANDFILL
INTEGRATED LANDFILL SURFACE MONITORING

Personnel: M. O Rut _____ _____ _____

_____ _____ _____

_____ _____ Cal. Gas Exp. Date: _____

Date: 11-30-23 Instrument Used: _____ Grid Spacing: _____

Temperature: _____ Precip: _____ Upwind BG: _____ Downwind BG: _____

GRID ID	STAFF INITIALS	START TIME	STOP TIME	TOC PPM	ROTO-MTR, CC/MIN	WIND INFORMATION			REMARKS
						AVG SPEED	MAX. SPEED	DIRECTION 16 POINT	
192									Active TRASH
193									↓
203									Liner

Attach Calibration Sheet
Attach site map showing grid ID

Integrated Surface Sampling
10 Day Exceedances and Monitoring Log

Site: SIMI VALLEY LANDFILL

Quarter / Year:	4TH/ 2023		4th QTR / 2023								
Technician:	MIKE ORUE		Tony Lewis								
Instrument:	INSPECTRA		TVA 1000								
Calibration Standard:	25PPM		25 ppm								
Initial Monitoring Event			First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days				
Grid Number	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <25 ppm	Excd. >25 ppm	Remedial Work	Date Monitored	No Excd. <25 ppm	Excd. >25 ppm	
117	41.761	11/29/2023		12-8-23	17.5						
118	61.746	11/29/2023			21.7						
147	44.822	11/29/2023			19.7						
146	49.327	11/29/2023			22.3						
135	58.297	11/29/2023			24.8						
136	36.546	11/29/2023			10.2						
141	28.78	11/29/2023			12.1						
138	29.134	11/29/2023			12.4						
137	44.17	11/29/2023			14.7						
139	33.413	11/29/2023			16.17						
108	35.617	11/29/2023			17.7						
107	29.427	11/29/2023		↓	11.6						

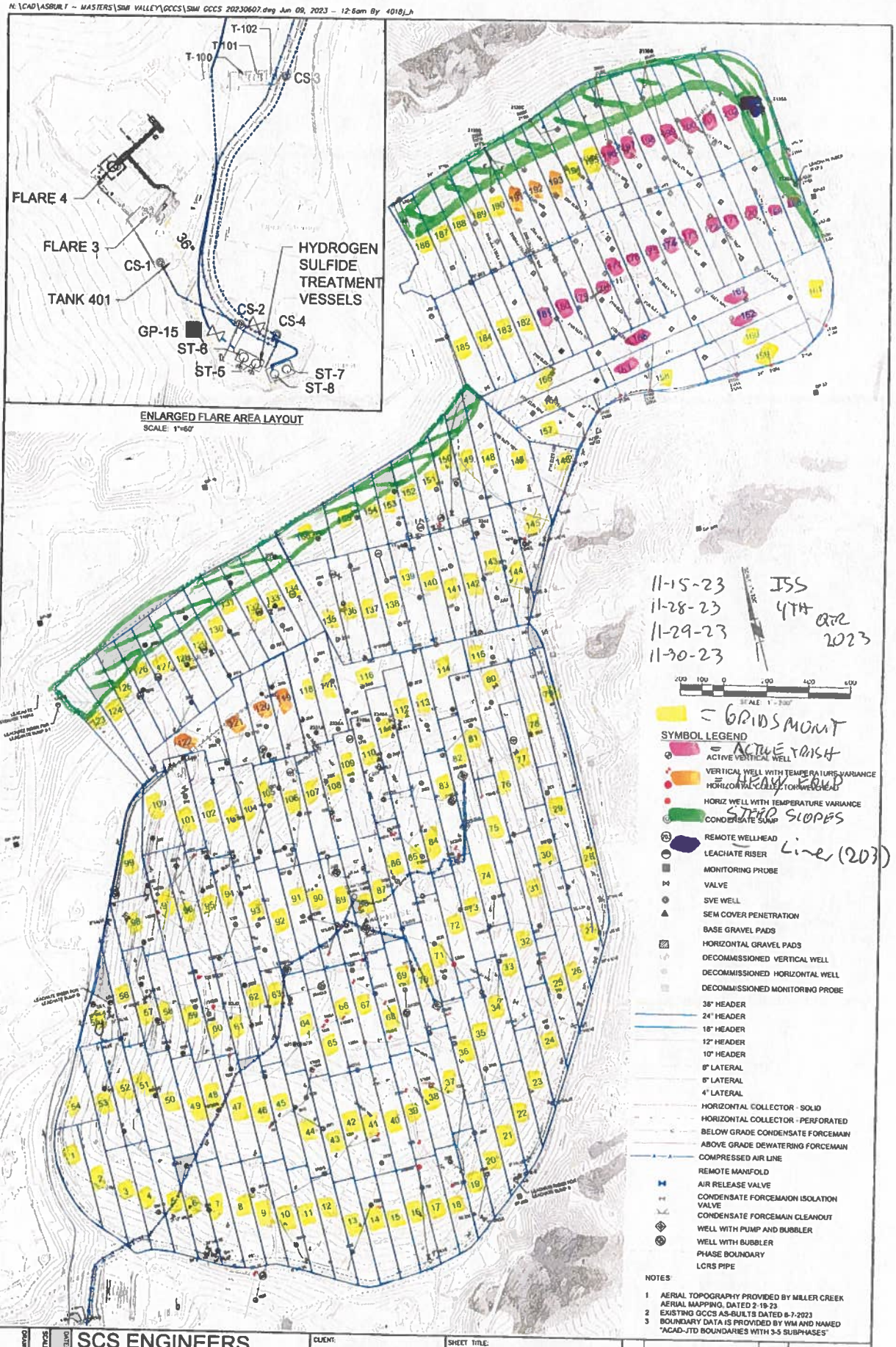
Integrated Surface Sampling
10 Day Exceedances and Monitoring Log

Site: SIMI VALLEY LANDFILL

age 1 of 1 Pages

Quarter / Year:	4TH/ 2023		4th QTR / 2023								
Technician:	MIKE ORUE		TONY Lewis								
Instrument:	INSPECTRA		TVA 1000								
Calibration Standard:	25PPM		25 PPM								
Initial Monitoring Event			First Re-Monitoring Event – 10 Days					Second Re-Monitoring Event – 10 Days			
Grid Number	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <25 ppm	Excd. >25 ppm		Remedial Work	Date Monitored	No Excd. <25 ppm	Excd. >25 ppm
134	223.277	11/30/2023		12-8-23	24.1						
195	26.394	11/30/2023		"	9.6						
132	194.833	11/30/2023		"	23.4						
189	57.018	11/30/2023		"	19.4						
131	191.271	11/30/2023		"	20.8						
148	60.239	11/30/2023		"	14.3						
133	144.496	11/30/2023		"	22.6						
183	29.241	11/30/2023		"	11.4						
129	109.398	11/30/2023		"	16.2						
182	28.755	11/30/2023		"	15.1						
130	170.285	11/30/2023		"	23.6						
190	33.497	11/30/2023		"	17.5						
149	46.735	11/30/2023		"	20.1						
152	51.3	11/30/2023		"	21.5						
82	25.009	11/30/2023		"	6.6						
128	68.057	11/30/2023		"	10.8						
153	35.575	11/30/2023		"	16.8						
127	47.624	11/30/2023		"	13.4						

N:\CAD\ASBUILT - MASTERS\SIMI VALLEY\GCCS\SIMI GCCS 20230607.dwg Jun 09, 2023 - 12:6am By 4018j_h



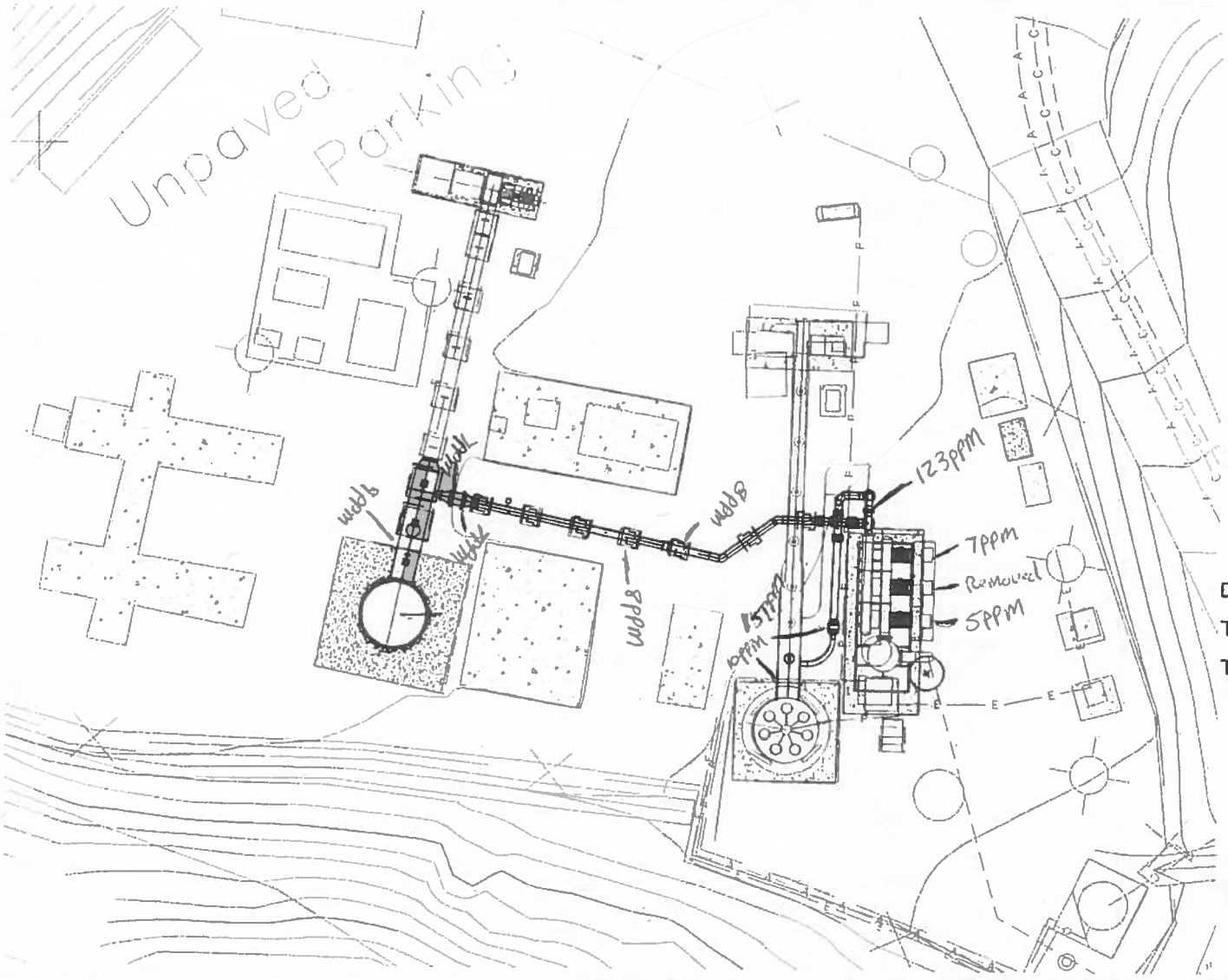
3 of 3	DRAWING NO. AS SHOWN	SCALE	DATE 06-07-2023	SCS ENGINEERS ENVIRONMENTAL CONSULTANTS 3900 KILROY AIRPORT WAY, SUITE 100 LONG BEACH, CA 90806 PH. (562) 426-9544 FAX (562) 427-0805	CLIENT: WASTE MANAGEMENT	SHEET TITLE: SEM PENETRATION MAP PROJECT TITLE: SIMI VALLEY LANDFILL AND RECYCLING CENTER 2801 MADERA ROAD SIMI VALLEY, CALIFORNIA 93065

PROJ. NO.	DES. BY: WM	DRN. BY: RR	CHK. BY: JH	APP. BY: JH

NO.	REVISION	DATE

Attachment C

Component Leak Monitoring Event Records



DATE: 11-10-23

TIME: 0945

TECHNICIAN: MIKE ORTE

NOTES:
1. MONITOR ALL FLANGES AND ABOVE GROUND CONNECTIONS. WRITE THE HIGHEST READING IN THE BOX LABELED PPM. DRAW A CIRCLE AROUND THE LOCATIONS OF THE LEAK.

TETRA TECH

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

SIMI VALLEY LANDFILL AND RECYCLING CENTER SIMI VALLEY, CALIFORNIA

SEM RESULTS - FLARE STATION

FIGURE NO. 1

PROJECT NO. 200026

Attachment D

Weather Station Data

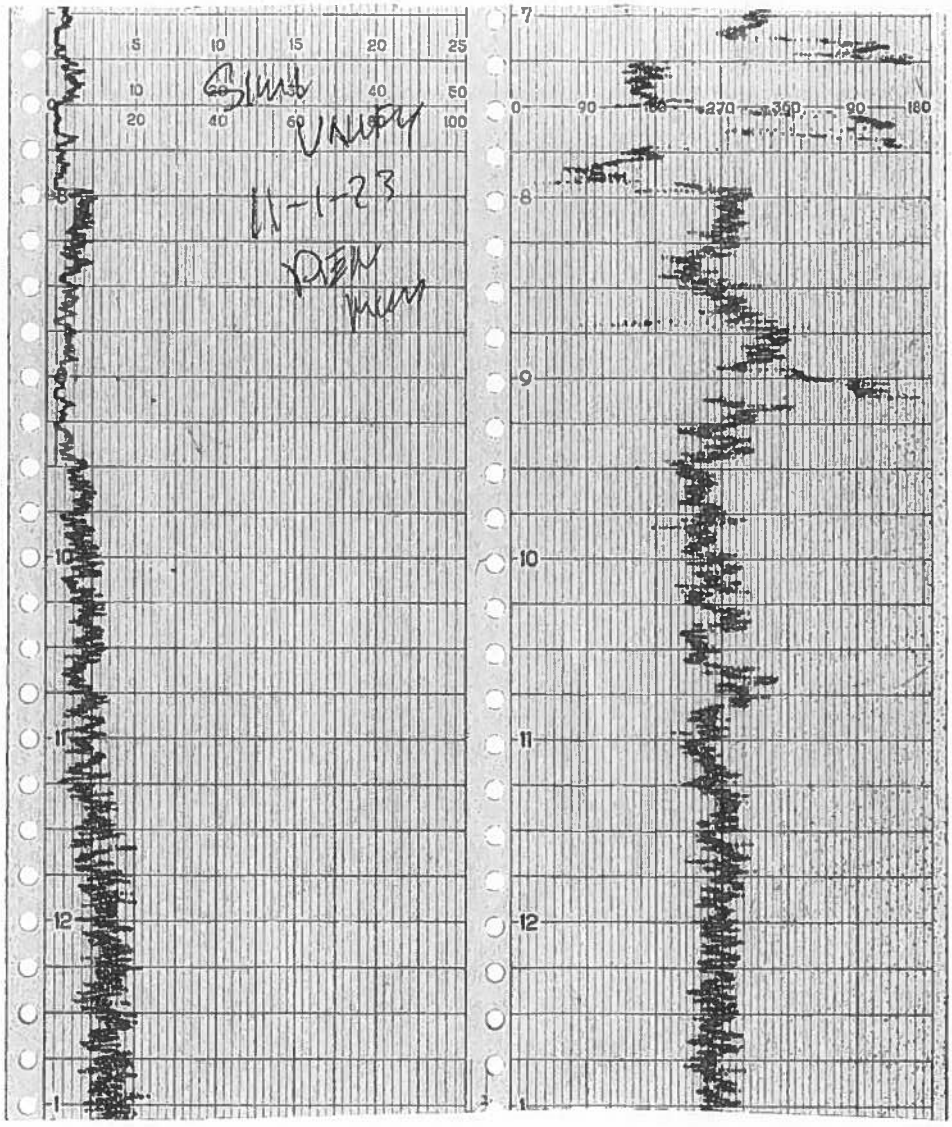
RES Environmental Inc.

16-POINT WIND DIRECTION INDEX

NO	DIRECTION	DEGREES		
		FROM	CENTER	TO
16	NORTH (N)	348.8	360.0	011.3
1	NORTH-NORTHEAST (NNE)	011.3	022.5	033.8
2	NORTHEAST (NE)	033.8	045.0	056.3
3	EAST-NORTHEAST (ENE)	056.3	067.5	078.8
4	EAST (E)	078.8	090.0	101.3
5	EAST-SOUTHEAST (ESE)	101.3	112.5	123.8
6	SOUTHEAST (SE)	123.8	135.0	146.3
7	SOUTH-SOUTHEAST (SSE)	146.3	157.5	168.8
8	SOUTH (S)	168.8	180.0	191.3
9	SOUTH-SOUTHWEST (SSW)	191.3	202.5	213.8
10	SOUTHWEST (SW)	213.8	225.0	236.3
11	WEST-SOUTHWEST (WSW)	236.3	247.5	258.8
12	WEST (W)	258.8	270.0	281.3
13	WEST-NORTHWEST (WNW)	281.3	292.5	303.8
14	NORTHWEST (NW)	303.8	315.0	326.3
15	NORTH-NORTHWEST (NNW)	326.3	337.5	348.8

865 Via Lata ▪ Colton, California 92324 ▪ (909) 422-1001 Fax (909) 422-0707

WIND SPEED & DIRECTION CHART ROLL



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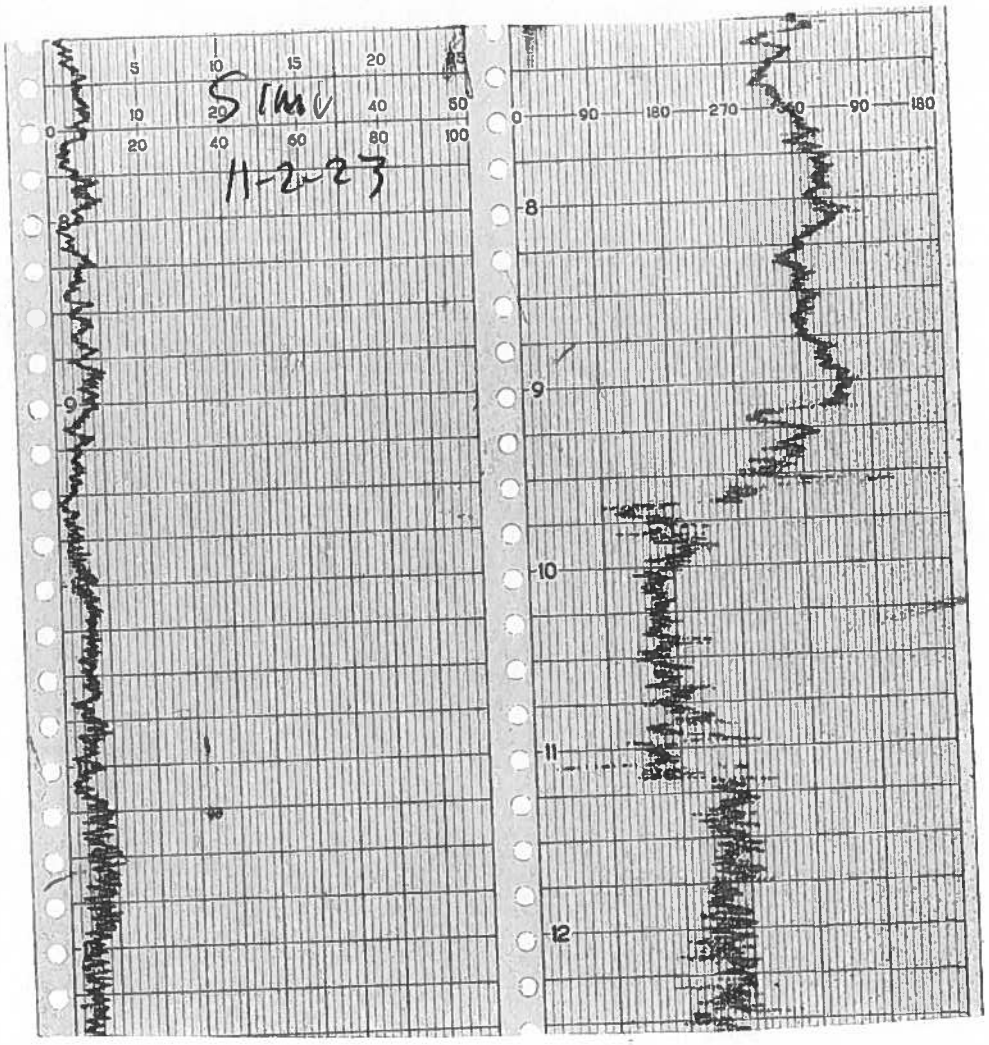

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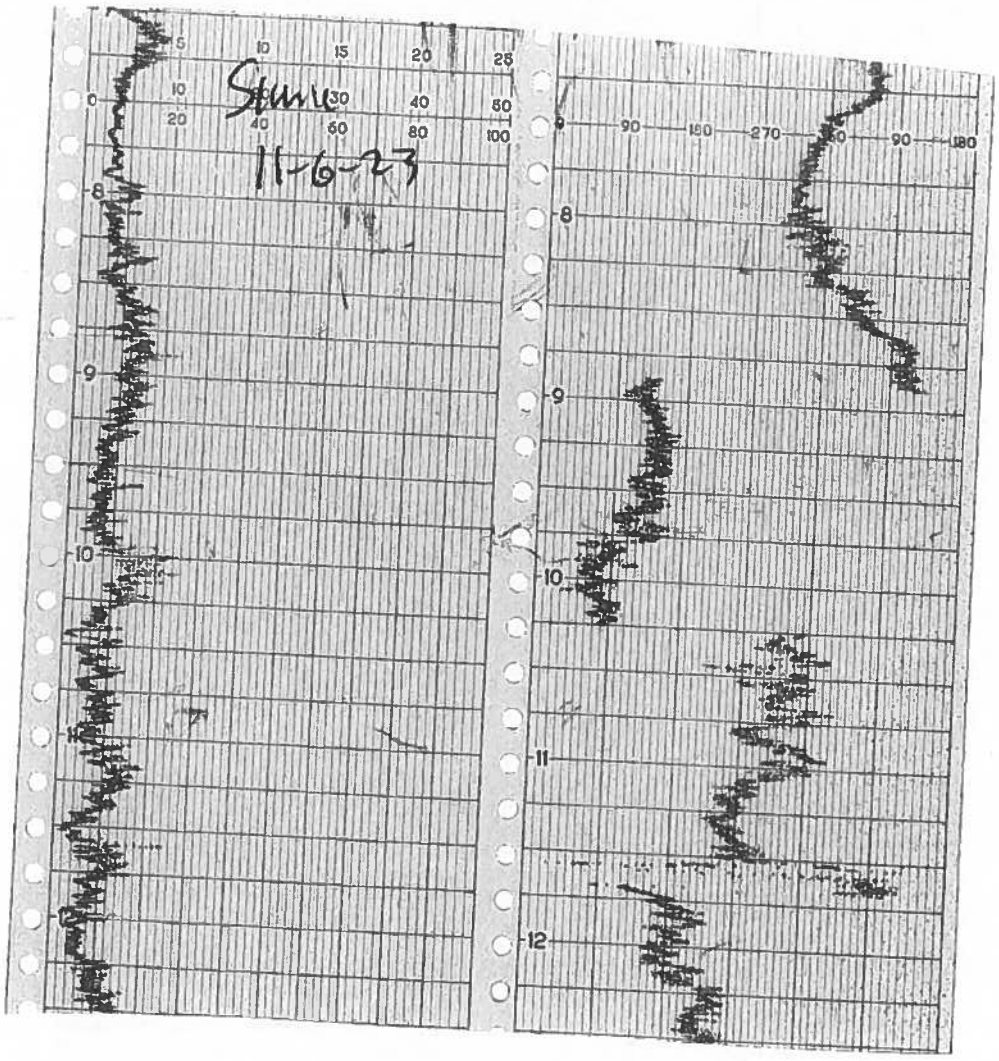

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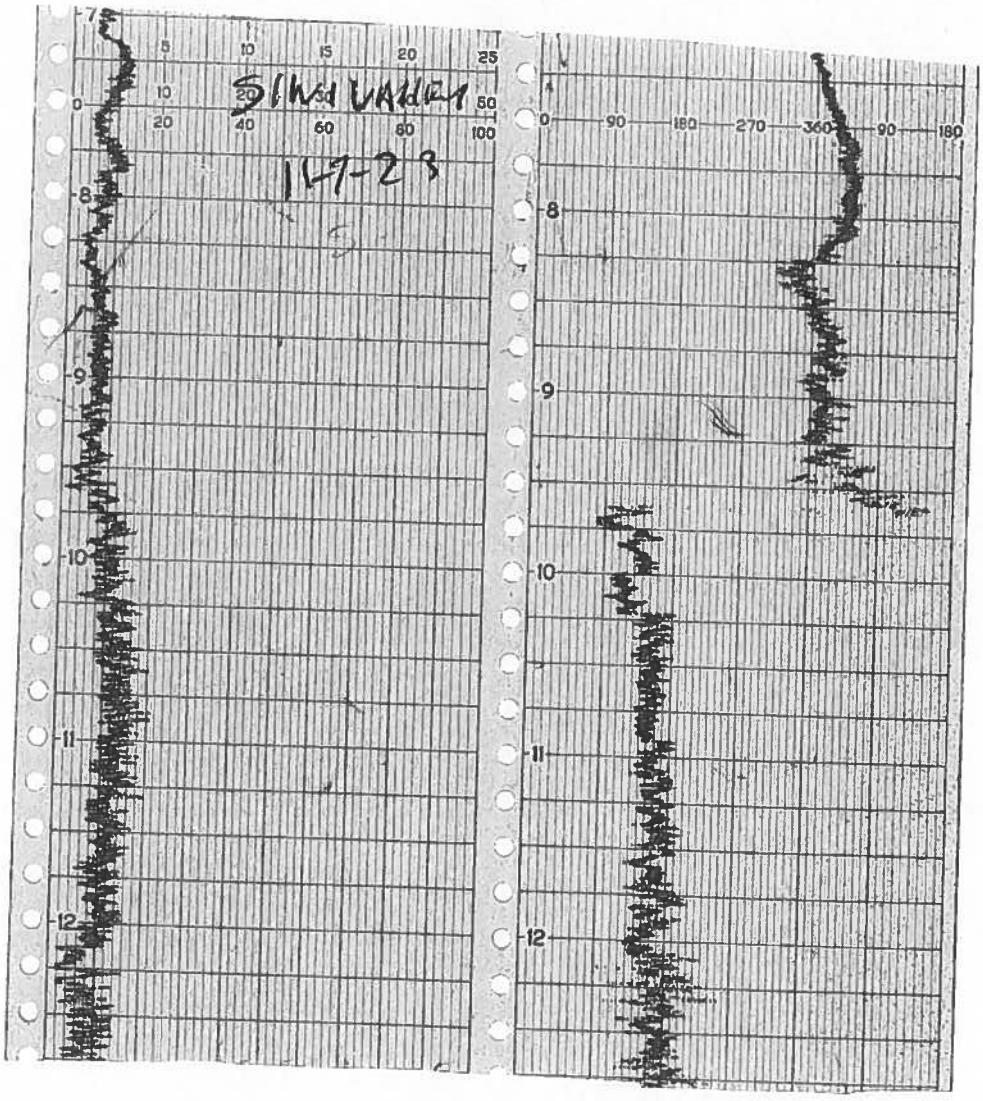

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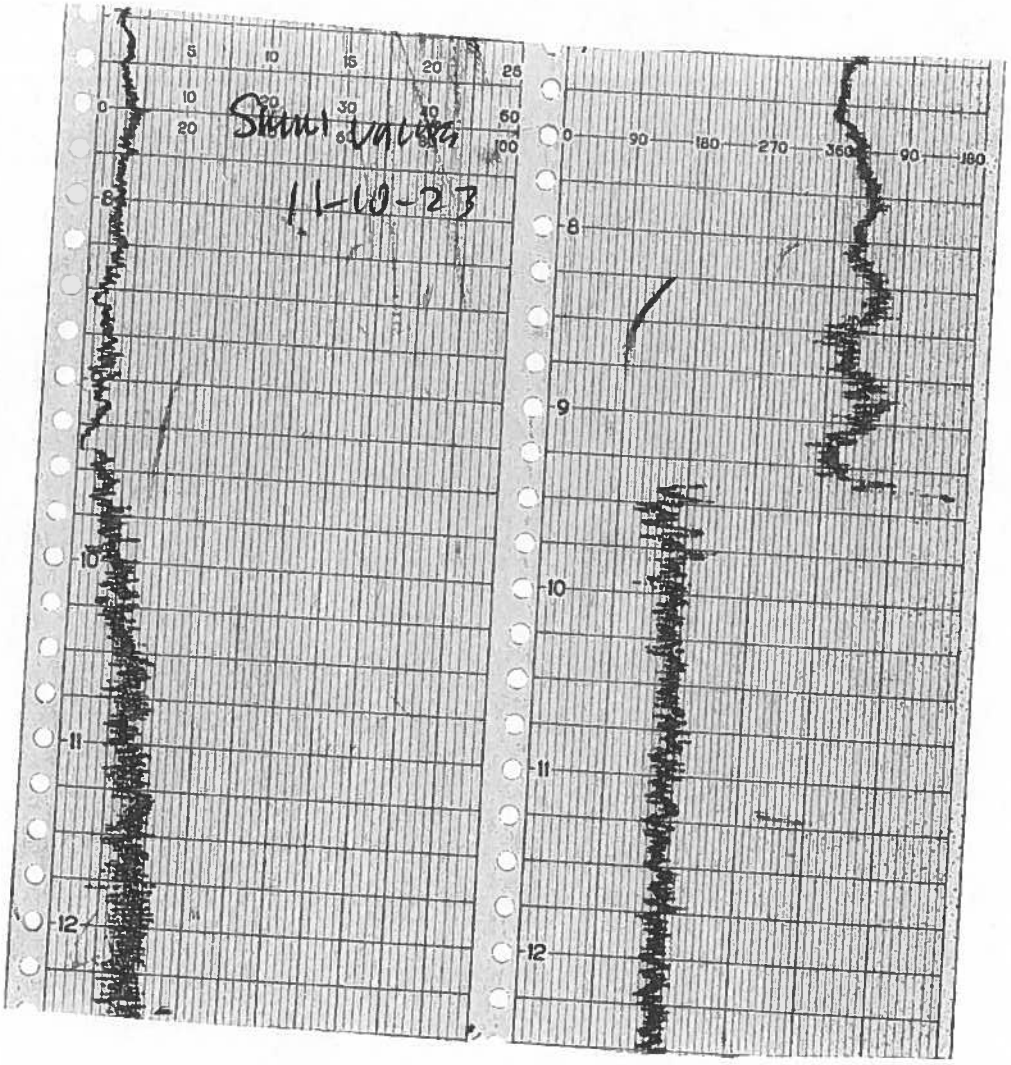

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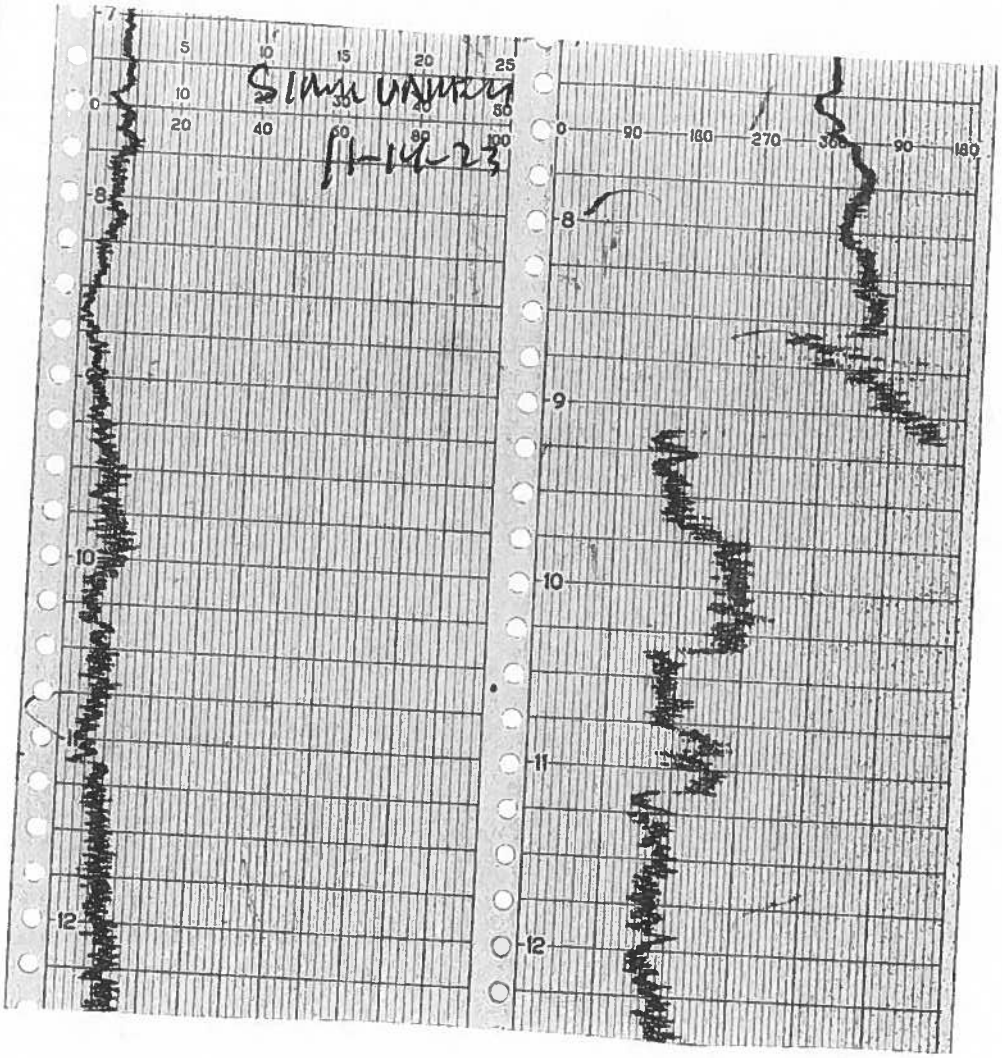
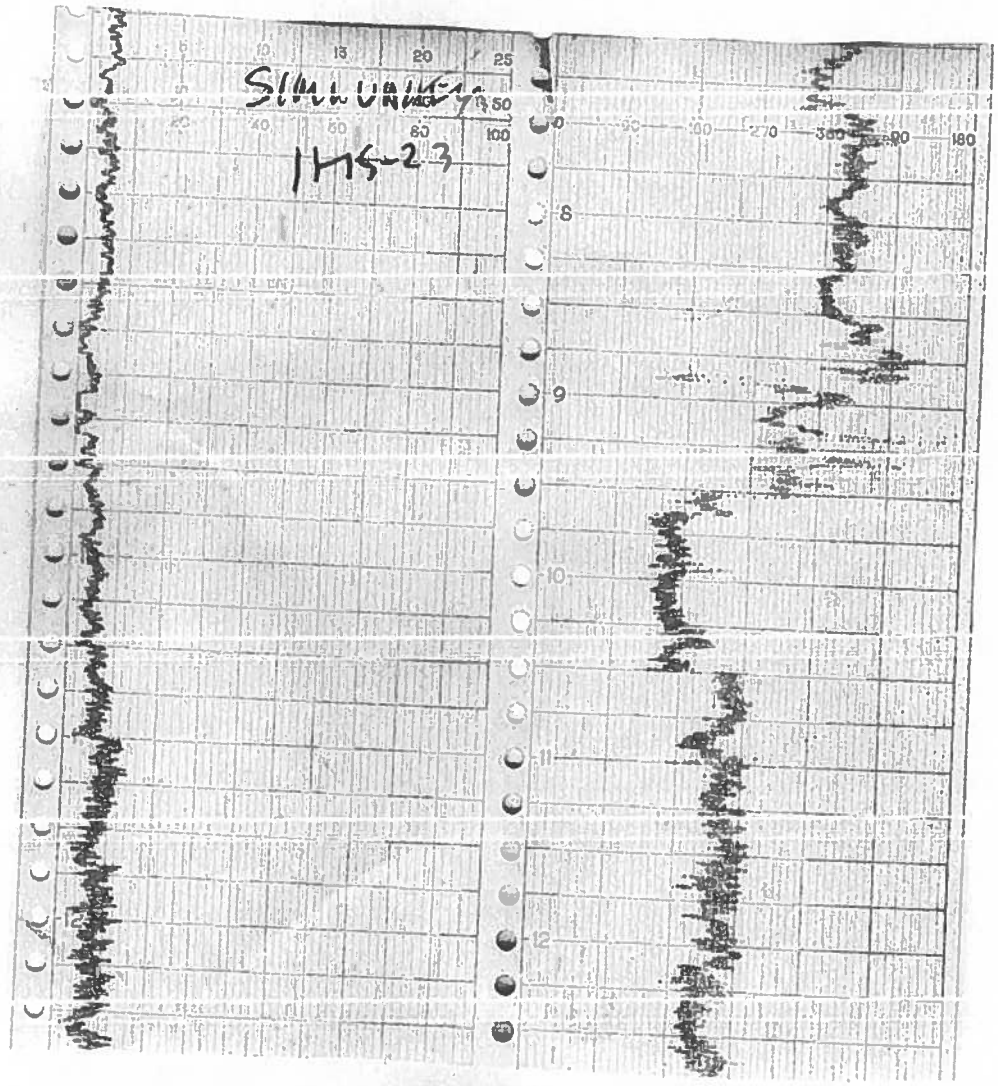
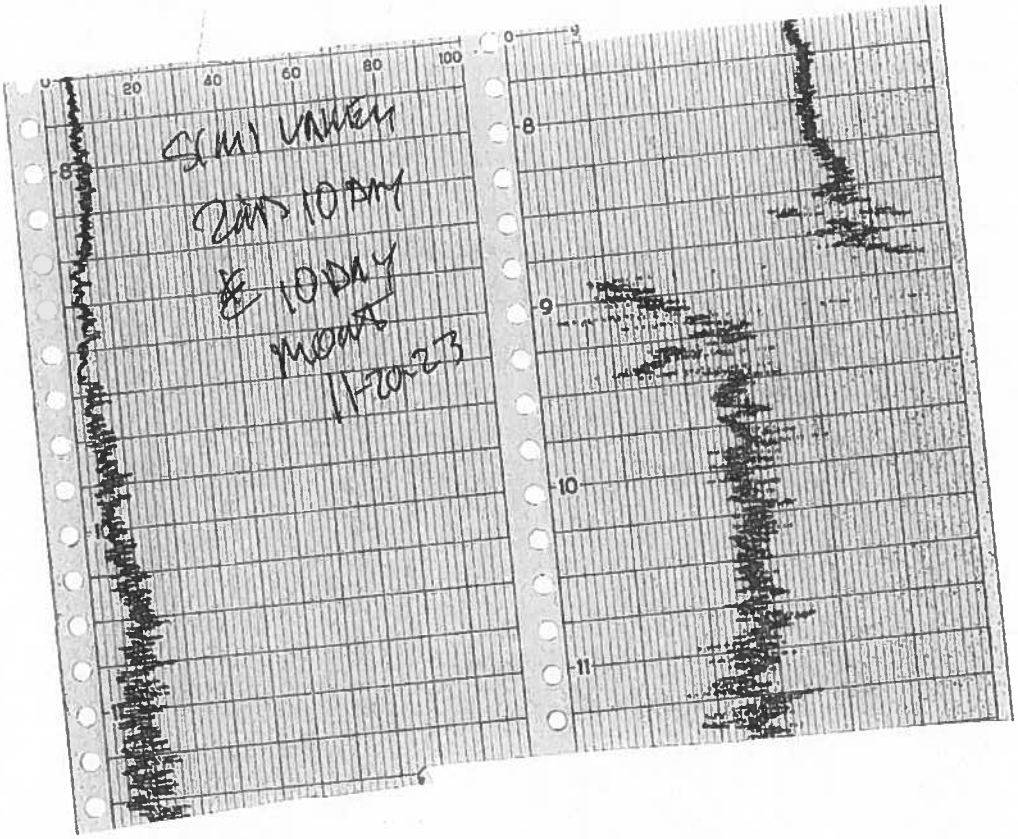


WIND SPEED & DIRECTION CHART ROLL



WIND SPEED & DIRECTION CHART ROLL



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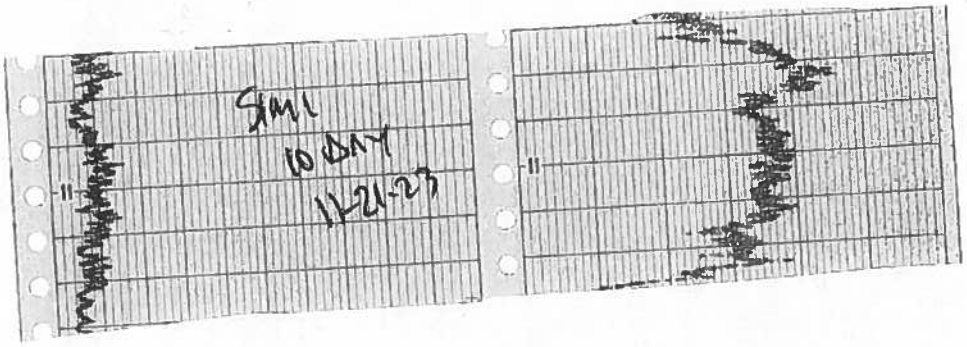

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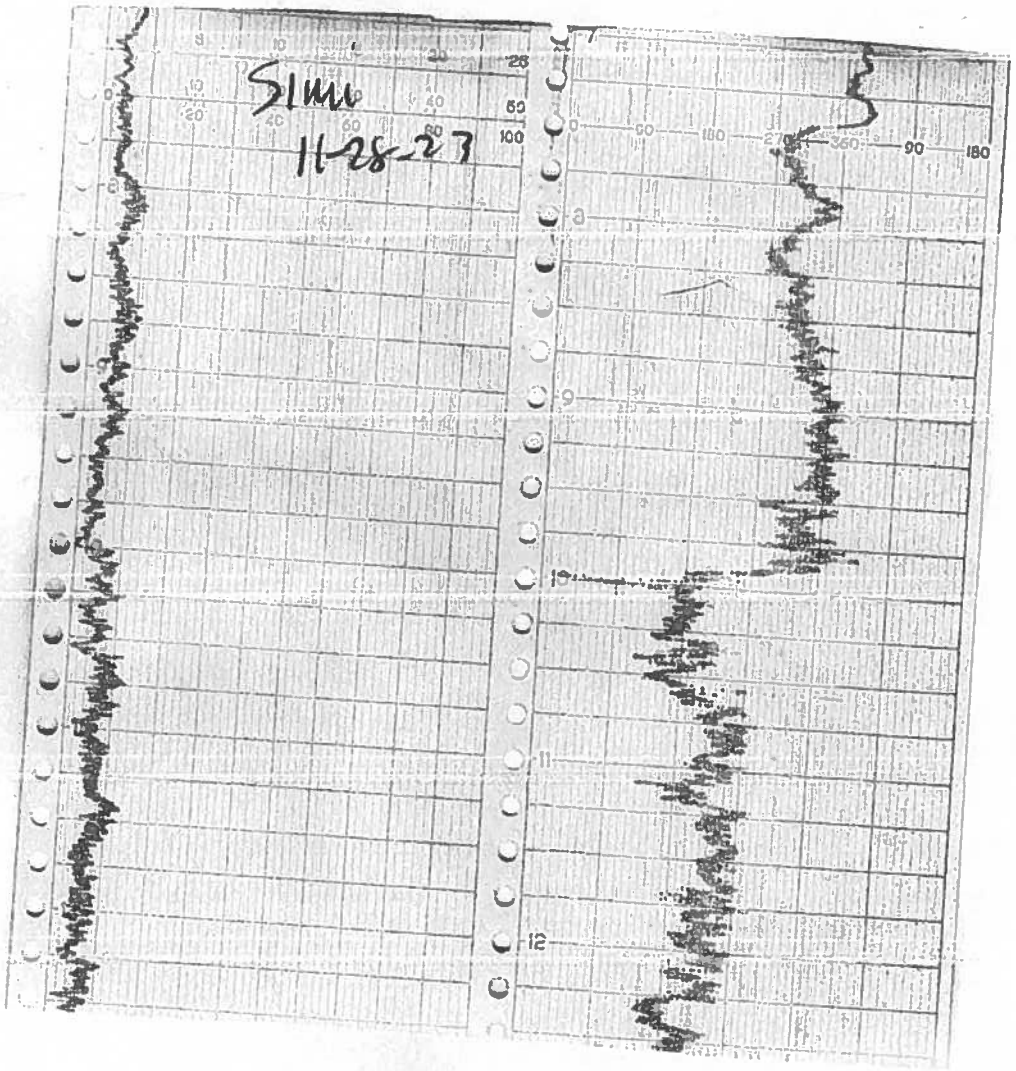

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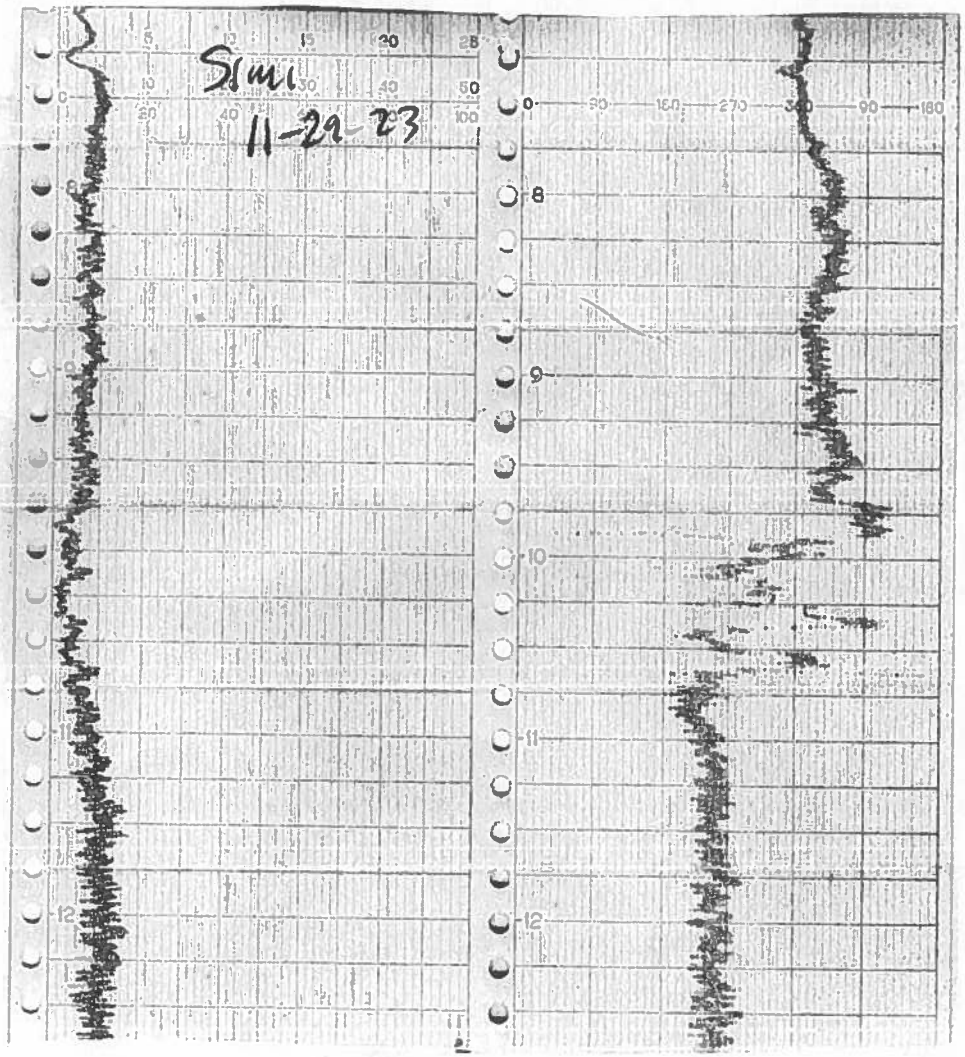
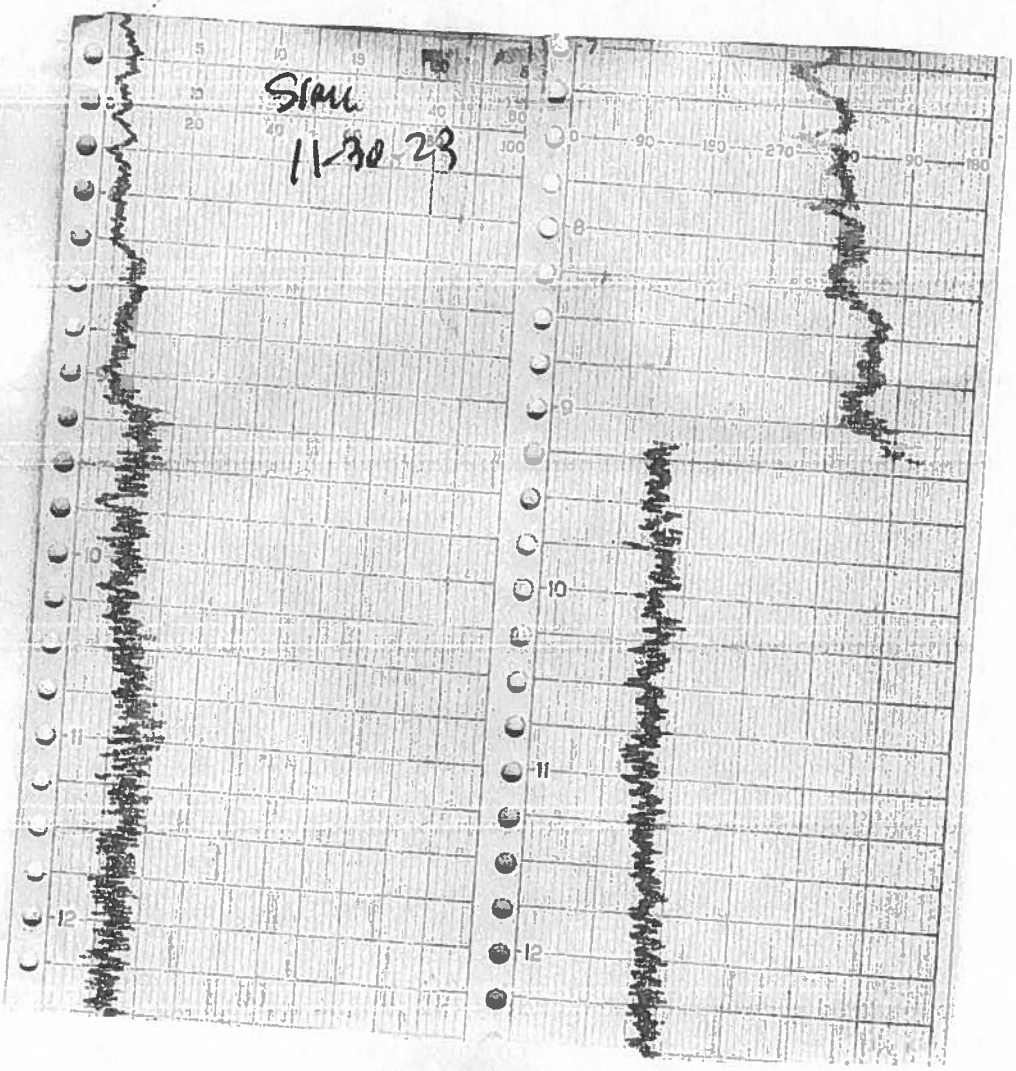
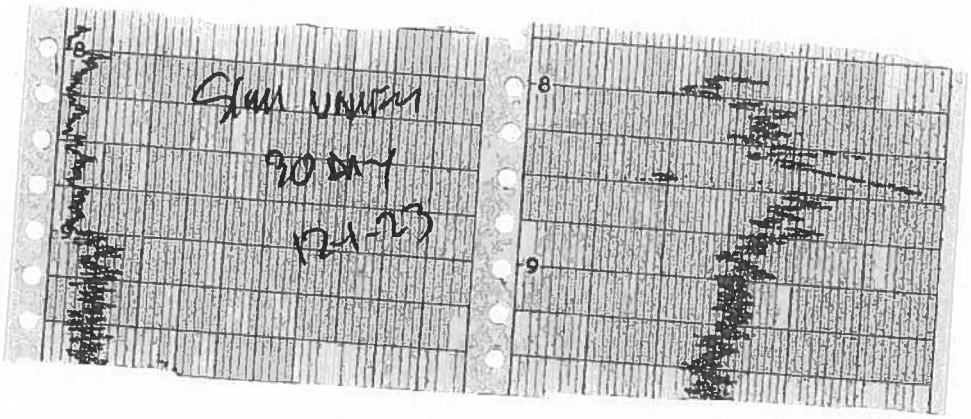


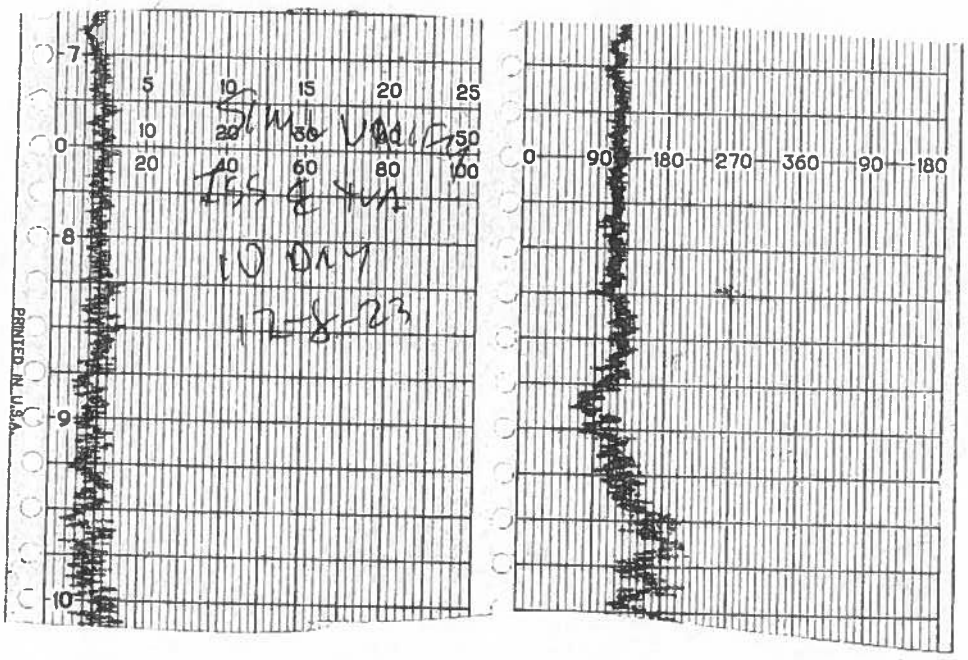
WIND SPEED & DIRECTION CHART ROLL



WIND SPEED & DIRECTION CHART ROLL



WIND SPEED & DIRECTION CHART ROLL



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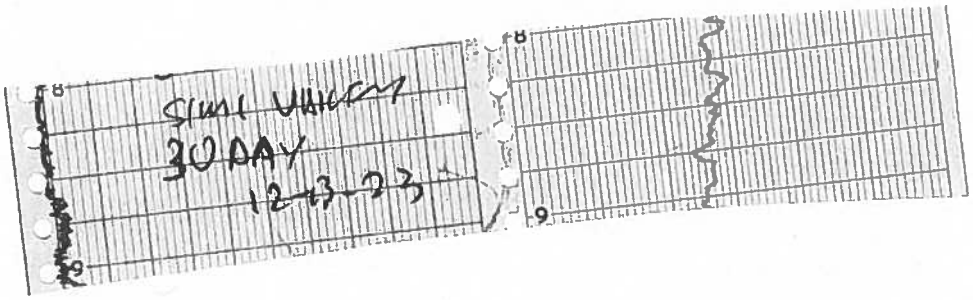
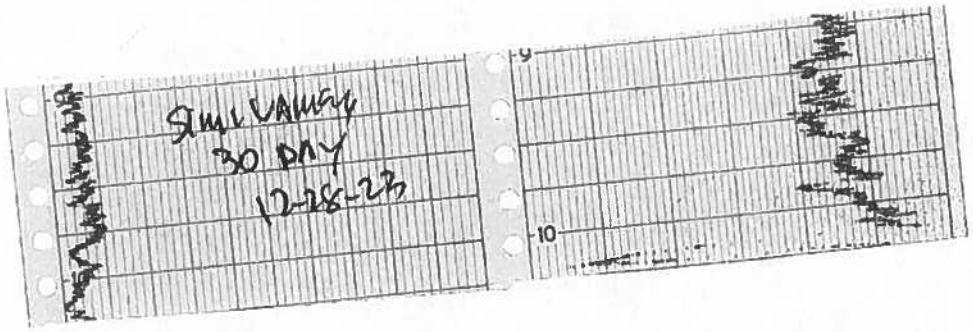


WIND SPEED & DIRECTION CHART ROLL



Attachment E

Calibration Records

RES
Environmental Inc.

CALIBRATION PROCEDURE AND BACKGROUND REPORT – INSTANTANEOUS

LANDFILL NAME: Simi Valley INSTRUMENT MAKE: THERMO

MODEL: TVA1000 EQUIPMENT #: 10 SERIAL #: 1936346773

MONITORING DATE: 11-10-23 TIME: 0706

Calibration Procedure:

1. Allow instrument to zero itself while introducing air
2. Introduce calibration gas into the probe. Stabilized reading = 504 ppm
3. Adjust meter settings to read 500 ppm

Background Determination Procedure

Upwind Background Reading: (Highest in 30 seconds)	Downwind Background Reading: (Highest in 30 seconds)	Background Value: (Upwind + Downwind) / 2
2.3 ppm	3.4 ppm	2.8 ppm

Background Value = 2.8 ppm

INSTRUMENT RESPONSE TIME RECORD

Measurement #	Stabilized Reading Using Calibration Gas	90% of the Stabilized Reading	Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas
#1	506 ppm	450 ppm	7
#2	504 ppm	450 ppm	7
#3	504 ppm	450 ppm	6
Calculate Response Time (1+2+3)/3			6.6 #DIV/0! Must be less than 30 seconds

CALIBRATION PRECISION RECORD

Calibration Gas Standard = 500 ppm

Measurement #	Meter Reading for Zero Air (A)	Meter Reading for Calibration Gas (B)	Calculate Precision [STD – (B)]
#1	0.1 ppm	506 ppm	6
#2	0.3 ppm	504 ppm	4
#3	0.3 ppm	504 ppm	4
Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/500 X 100/1			0.9% #DIV/0! Must be less than 10%

Performed By: Mike Orue Date/Time: 11-10-23 / 0700

RES
Environmental Inc.

CALIBRATION PROCEDURE AND BACKGROUND REPORT – INSTANTANEOUS

LANDFILL NAME: SIMI VALLEY INSTRUMENT MAKE: THERMO

MODEL: TVA 1000 EQUIPMENT #: 36 SERIAL #: 0332603195

MONITORING DATE: 11-20-23 TIME: 0730

Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 500 ppm
3. Adjust meter settings to read 500 ppm.

Background Determination Procedure

Upwind Background Reading: (Highest in 30 seconds)	Downwind Background Reading: (Highest in 30 seconds)	Background Value: (Upwind + Downwind) / 2
1.2 ppm	2.2 ppm	1.7 ppm

Background Value = 1.7 ppm

INSTRUMENT RESPONSE TIME RECORD

Measurement #	Stabilized Reading Using Calibration Gas	90% of the Stabilized Reading	Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas
#1	500 ppm	450 ppm	5
#2	501 ppm	450 ppm	5
#3	501 ppm	450 ppm	6
Calculate Response Time (1+2+3) / 3			5.3 #DIV/0! Must be less than 30 seconds

CALIBRATION PRECISION RECORD

Calibration Gas Standard = 500 ppm

Measurement #	Meter Reading for Zero Air (A)	Meter Reading for Calibration Gas (B)	Calculate Precision [STD – (B)]
#1	0.69 ppm	500 ppm	0
#2	0.61 ppm	501 ppm	1
#3	0.63 ppm	501 ppm	1
Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/500 X 100/1			0.1 #DIV/0! Must be less than 10%

Performed By: S. BURGESS Date/Time: 11-20-23 0730

RES Environmental Inc.

CALIBRATION PROCEDURE AND BACKGROUND REPORT – INSTANTANEOUS

LANDFILL NAME: SIMI VALLEY INSTRUMENT MAKE: THERMO

MODEL: TVA 1000 EQUIPMENT #: 36 SERIAL #: 0332603195

MONITORING DATE: 11-21-23 TIME: 0800

Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 501 ppm
3. Adjust meter settings to read 500 ppm.

Background Determination Procedure

Upwind Background Reading: (Highest in 30 seconds)	Downwind Background Reading: (Highest in 30 seconds)	Background Value: (Upwind + Downwind) / 2
1.6 ppm	2.8 ppm	2.2 ppm

Background Value = 2.2 ppm

INSTRUMENT RESPONSE TIME RECORD

Measurement #	Stabilized Reading Using Calibration Gas	90% of the Stabilized Reading	Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas
#1	501 ppm	450 ppm	6
#2	501 ppm	450 ppm	5
#3	501 ppm	450 ppm	6
Calculate Response Time (1+2+3) / 3			5.6 #DIV/0! Must be less than 30 seconds

CALIBRATION PRECISION RECORD

Calibration Gas Standard = 500 ppm

Measurement #	Meter Reading for Zero Air (A)	Meter Reading for Calibration Gas (B)	Calculate Precision [STD – (B)]
#1	0.45 ppm	501 ppm	1
#2	0.61 ppm	501 ppm	1
#3	0.49 ppm	501 ppm	1
Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/500 X 100/1			0.2 #DIV/0! Must be less than 10%

Performed By: S. BORCHERS Date/Time: 11-21-23 0800

RES
Environmental Inc.

CALIBRATION PROCEDURE AND BACKGROUND REPORT – INSTANTANEOUS

LANDFILL NAME: Simi Valley INSTRUMENT MAKE: Thermo

MODEL: TVA 1000 EQUIPMENT #: 36 SERIAL #: 0332603195

MONITORING DATE: 12-1-23 TIME: 0800

Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 500 ppm
3. Adjust meter settings to read 500 ppm.

Background Determination Procedure

Upwind Background Reading: (Highest in 30 seconds)	Downwind Background Reading: (Highest in 30 seconds)	Background Value: (Upwind + Downwind) / 2
1.2 ppm	2.1 ppm	1.6 ppm

Background Value = 1.6 ppm

INSTRUMENT RESPONSE TIME RECORD

Measurement #	Stabilized Reading Using Calibration Gas	90% of the Stabilized Reading	Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas
#1	500 ppm	450 ppm	6
#2	502 ppm	450 ppm	6
#3	503 ppm	450 ppm	5
Calculate Response Time (1+2+3) / 3			5.6 #DIV/0! Must be less than 30 seconds

CALIBRATION PRECISION RECORD

Calibration Gas Standard = 500 ppm

Measurement #	Meter Reading for Zero Air (A)	Meter Reading for Calibration Gas (B)	Calculate Precision [STD – (B)]
#1	0.62 ppm	500 ppm	0
#2	0.65 ppm	502 ppm	2
#3	0.71 ppm	503 ppm	3
Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/500 X 100/1			0.3 #DIV/0! Must be less than 10%

Performed By: S. Vorhees Date/Time: 12-1-23 0800

RES T
Environmental Inc.

CALIBRATION PROCEDURE AND BACKGROUND REPORT – INSTANTANEOUS

LANDFILL NAME: Simi Valley INSTRUMENT MAKE: Thermo

MODEL: TVA 1000 EQUIPMENT #: G3 SERIAL #: 1586584

MONITORING DATE: 12-8-23 TIME: 0715

Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 500 ppm
3. Adjust meter settings to read 500 ppm.

Background Determination Procedure

Upwind Background Reading: (Highest in 30 seconds)	Downwind Background Reading: (Highest in 30 seconds)	Background Value: (Upwind + Downwind) / 2
1 ppm	1 ppm	3 ppm

Background Value = 1 **ppm**

INSTRUMENT RESPONSE TIME RECORD

Measurement #	Stabilized Reading Using Calibration Gas	90% of the Stabilized Reading	Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas
#1	503 ppm	450 ppm	9
#2	500 ppm	450 ppm	11
#3	501 ppm	450 ppm	10
Calculate Response Time (1+2+3) / 3			10 #DIV/0! Must be less than 30 seconds

CALIBRATION PRECISION RECORD

Calibration Gas Standard = 500 **ppm**

Measurement #	Meter Reading for Zero Air (A)	Meter Reading for Calibration Gas (B)	Calculate Precision [STD – (B)]
#1	1.0 ppm	503 ppm	502.00
#2	1.50 ppm	500 ppm	498.50
#3	1.0 ppm	501 ppm	500.00
Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/500 X 100/1			#DIV/0! Must be less than 10%

Performed By: Tony Lewis Date/Time: 12-8-23

RES Environmental Inc.

CALIBRATION PROCEDURE AND BACKGROUND REPORT – INSTANTANEOUS

LANDFILL NAME: Simi Valley INSTRUMENT MAKE: THERMO

MODEL: TVA 1000 EQUIPMENT #: #2 SERIAL #: 7784545

MONITORING DATE: 12-13-23 TIME: 0800

Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 500 ppm
3. Adjust meter settings to read 500 ppm.

Background Determination Procedure

Upwind Background Reading: (Highest in 30 seconds)	Downwind Background Reading: (Highest in 30 seconds)	Background Value: (Upwind + Downwind) / 2
1.6 ppm	2.8 ppm	2.2 ppm

Background Value = 2.2 ppm

INSTRUMENT RESPONSE TIME RECORD

Measurement #	Stabilized Reading Using Calibration Gas	90% of the Stabilized Reading	Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas
#1	500 ppm	450 ppm	6
#2	501 ppm	450 ppm	5
#3	501 ppm	450 ppm	5
Calculate Response Time (1+2+3) / 3			5.3 #DIV/0! Must be less than 30 seconds

CALIBRATION PRECISION RECORD

Calibration Gas Standard = 500 ppm

Measurement #	Meter Reading for Zero Air (A)	Meter Reading for Calibration Gas (B)	Calculate Precision [STD – (B)]
#1	0.69 ppm	500 ppm	0
#2	0.74 ppm	501 ppm	1
#3	0.78 ppm	501 ppm	1
Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/500 X 100/1			0.1 #DIV/0! Must be less than 10%

Performed By: S. Borchers Date/Time: 0800 12-13-23

CALIBRATION PROCEDURE AND BACKGROUND REPORT - INSTANTANEOUS

LANDFILL NAME Simi Valley INSTRUMENT MAKE TVA 1000

MODEL TVA 1000 EQUIPMENT # #6 SERIAL # 16320832

MONITORING DATE 12-28-23 TIME 0900

Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 500 ppm
3. Adjust meter settings to read 500 ppm.

Background Determination Procedure

Upwind Background Reading: (Highest in 30 seconds)	Downwind Background Reading: (Highest in 30 seconds)	Background Value: (Upwind + Downwind) / 2
1 ppm	2 ppm	2 ppm

Background Value = 1 ppm

INSTRUMENT RESPONSE TIME RECORD

Measurement #	Stabilized Reading Using Calibration Gas	90% of the Stabilized Reading	Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas
#1	500 ppm	450 ppm	8
#2	501 ppm	450 ppm	17
#3	500 ppm	450 ppm	10
Calculate Response Time (1+2+3) / 3			10 #DIV/0! Must be less than 30 seconds

CALIBRATION PRECISION RECORD

Calibration Gas Standard = 500 ppm

Measurement #	Meter Reading for Zero Air (A)	Meter Reading for Calibration Gas (B)	Calculate Precision [STD – (B)]
#1	1.0 ppm	500 ppm	499.0
#2	0.30 ppm	501 ppm	500.70
#3	0.75 ppm	500 ppm	499.25
Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/500 X 100/1			1% #DIV/0! Must be less than 10%

Performed By: Tom Lewis Date/Time: 12-28-23

Project :	RES_SimiValley landfill	**Date/Time :**	11/2/2023 4:34:44 AM
Model Number :	INSPECTRA	**Serial Number :**	1011221
Latitude :	34.0563057	**Longitude :**	-117.3072187
Test Status :	Completed	**Test Notes :**	Test successfully completed at 2023-Nov-02 04:35 using one span gas.

		Measurement #1		Measurement #2		Measurement #3					
GAS USED		T90	Reading	T90	Reading	T90	Reading	Average Algebraic Difference	Calibration Precision	Calibration Precision < 10	Average Response Time
	(ppm)	(sec)	(ppm)	(sec)	(ppm)	(sec)	(ppm)		(%)		(s)
ZERO	0										
Calibration Gas #1	500	6.9	479.8	6.9	479.8	6.8	479.2	20.4	4.1%	Yes	6.9

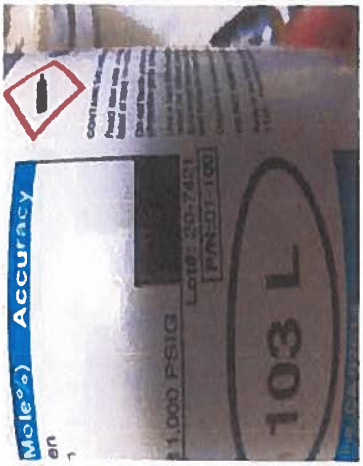
Gas Sequence ID :	0	**Date/Time :**	11/2/2023 4:34:44 AM
Gas Manufacturer :	intermountain	**Gas Lot Number :**	20-7421
	intermountain		
Gas Expiration Date :	7/10/2024	**Bottle Pressure :**	1000
Misc Ref No :	N/A	**Technical Name :**	N/A
UN# :	N/A	**Cylinder ID :**	N/A

Gas Sequence ID :	1	**Date/Time :**	11/2/2023 4:34:44 AM
Gas Manufacturer :	Premier Safety	**Gas Lot Number :**	2-055-87
Gas Expiration Date :	3/1/2025	**Bottle Pressure :**	1000
Misc Ref No :	N/A	**Technical Name :**	N/A
UN# :	N/A	**Cylinder ID :**	N/A

Project :	RES_SimiValley landfill	**Date/Time :**	11/2/2023 4:38:32 AM
Model Number :	INSPECTRA	**Serial Number :**	811121
Latitude :	34.0563149	**Longitude :**	-117.3072291
Test Status :	Completed	**Test Notes :**	Test successfully completed at 2023-Nov-02 04:39 using one span gas.

		Measurement #1		Measurement #2		Measurement #3					
GAS USED		**T90**	**Reading**	**T90**	**Reading**	**T90**	**Reading**	**Average Algebraic Difference**	**Calibration Precision**	**Calibration Precision < 10**	**Average Response Time**
	(ppm)	(sec)	(ppm)	(sec)	(ppm)	(sec)	(ppm)		(%)		(s)
ZERO	0										
Calibration Gas #1	500	6.6	482.1	6.7	480.8	6.8	482	18.4	3.7%	Yes	6.7

Gas Sequence ID :	0	**Date/Time :**	11/2/2023 4:38:32 AM
Gas Manufacturer :	intermountain	**Gas Lot Number :**	20-7421
Gas Expiration Date :	7/10/2024	**Bottle Pressure :**	1000
Misc Ref No :	N/A	**Technical Name :**	N/A
UN# :	N/A	**Cylinder ID :**	N/A



Gas Sequence ID :	1	**Date/Time :**	11/2/2023 4:38:32 AM
Gas Manufacturer :	Premier Safety	**Gas Lot Number :**	2-055-87
Gas Expiration Date :	3/1/2025	**Bottle Pressure :**	1000
Misc Ref No :	N/A	**Technical Name :**	N/A
UN# :	N/A	**Cylinder ID :**	N/A

Project :	RES_SimiValley landfill	**Date/Time :**	11/2/2023 4:32:51 AM
Model Number :	INSPECTRA	**Serial Number :**	881221
Latitude :	34.0564205	**Longitude :**	-117.3072497
Test Status :	Completed	**Test Notes :**	Test successfully completed at 2023-Nov-02 04:34 using one span gas.

		Measurement #1		Measurement #2		Measurement #3					
GAS USED		T90	Reading	T90	Reading	T90	Reading	Average Algebraic Difference	Calibration Precision	Calibration Precision < 10	Average Response Time
	(ppm)	(sec)	(ppm)	(sec)	(ppm)	(sec)	(ppm)		(%)		(s)
ZERO	0										
Calibration Gas #1	500	4.7	480.5	6.6	482.2	6.7	484.3	17.7	3.5%	Yes	6.0

Gas Sequence ID :	0	**Date/Time :**	11/2/2023 4:32:51 AM
Gas Manufacturer :	intermountain	**Gas Lot Number :**	20-7421
	intermountain		
Gas Expiration Date :	7/10/2024	**Bottle Pressure :**	1000
Misc Ref No :	N/A	**Technical Name :**	N/A
UN# :	N/A	**Cylinder ID :**	N/A

Gas Sequence ID :	1	**Date/Time :**	11/2/2023 4:32:51 AM
Gas Manufacturer :	Premier Safety	**Gas Lot Number :**	2-055-87
Gas Expiration Date :	3/1/2025	**Bottle Pressure :**	1000
Misc Ref No :	N/A	**Technical Name :**	N/A
UN# :	N/A	**Cylinder ID :**	N/A

Project :	RES_SimiValley landfill	**Date/Time :**	11/2/2023 4:36:40 AM
Model Number :	INSPECTRA	**Serial Number :**	761121
Latitude :	34.0563294	**Longitude :**	-117.3073061
Test Status :	Completed	**Test Notes :**	Test successfully completed at 2023-Nov-02 04:37 using one span gas.

		Measurement #1		Measurement #2		Measurement #3					
GAS USED		T90	Reading	T90	Reading	T90	Reading	Average Algebraic Difference	Calibration Precision	Calibration Precision < 10	Average Response Time
	(ppm)	(sec)	(ppm)	(sec)	(ppm)	(sec)	(ppm)		(%)		(s)
ZERO	0										
Calibration Gas #1	500	6.7	477.7	6.6	478.7	6.6	478.7	21.6	4.3%	Yes	6.6

Gas Sequence ID :	0	**Date/Time :**	11/2/2023 4:36:40 AM
Gas Manufacturer :	intermountain	**Gas Lot Number :**	20-7421
Gas Expiration Date :	7/10/2024	**Bottle Pressure :**	1000
Misc Ref No :	N/A	**Technical Name :**	N/A
UN# :	N/A	**Cylinder ID :**	N/A

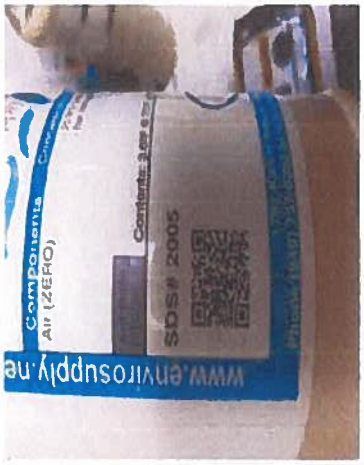
Gas Sequence ID :	1	**Date/Time :**	11/2/2023 4:36:40 AM
Gas Manufacturer :	Premier Safety	**Gas Lot Number :**	2-055-87
Gas Expiration Date :	3/1/2025	**Bottle Pressure :**	1000
Misc Ref No :	N/A	**Technical Name :**	N/A
UN# :	N/A	**Cylinder ID :**	N/A

Gas Sequence ID :	1	**Date/Time :**	11/2/2023 4:36:40 AM
Gas Manufacturer :	Premier Safety	**Gas Lot Number :**	2-055-87
Gas Expiration Date :	3/1/2025	**Bottle Pressure :**	1000
Misc Ref No :	N/A	**Technical Name :**	N/A
UN# :	N/A	**Cylinder ID :**	N/A

Project :	RES_SimiValley landfill	**Date/Time :**	11/2/2023 4:30:43 AM
Model Number :	INSPECTRA	**Serial Number :**	1001221
Latitude :	34.0563764	**Longitude :**	-117.3072753
Test Status :	Completed	**Test Notes :**	Test successfully completed at 2023-Nov-02 04:32 using one span gas.

		Measurement #1		Measurement #2		Measurement #3					
GAS USED		**T90**	**Reading**	**T90**	**Reading**	**T90**	**Reading**	**Average Algebraic Difference**	**Calibration Precision**	**Calibration Precision < 10**	**Average Response Time**
	(ppm)	**(sec)**	**(ppm)**	**(sec)**	**(ppm)**	**(sec)**	**(ppm)**		**(%)**		**(s)**
ZERO	0										
Calibration Gas #1	500	9.3	463.5	7.2	465.2	7.8	464.4	35.6	7.1%	Yes	8.1

Gas Sequence ID :	0	**Date/Time :**	11/2/2023 4:30:43 AM
Gas Manufacturer :	intermountain	**Gas Lot Number :**	20-7421
Gas Expiration Date :	7/10/2024	**Bottle Pressure :**	1000
Misc Ref No :	N/A	**Technical Name :**	N/A
UN# :	N/A	**Cylinder ID :**	N/A



Gas Sequence ID :	1	**Date/Time :**	11/2/2023 4:30:43 AM
Gas Manufacturer :	Premier Safety	**Gas Lot Number :**	2-055-87
Gas Expiration Date :	3/1/2025	**Bottle Pressure :**	1000
Misc Ref No :	N/A	**Technical Name :**	N/A
UN# :	N/A	**Cylinder ID :**	N/A

RES Environmental Inc.

TVA1000B CALIBRATION VERIFICATION

CUSTOMER: Rescuit #2

SERIAL NUMBER: 7784545

TECHNICIAN: [signature] DATE: 10-6-23

GAS CALIBRATION CHECK (PERFORMED AT ROOM TEMPERATURE)

FID			
METHANE GAS NOMINAL (ppm)	CALIBRATION GAS (ppm)	TVA READING (ppm)	TOLERANCE (ppm)
100	100	100	+/- 25
500	500	501	+/- 125
10000	10000	10,100	+/- 2500
< 1	ZERO GAS	0.69	< 3
PID			
ISOBUTYLENE GAS NOMINAL (ppm)	CALIBRATION GAS (ppm)	TVA READING (ppm)	TOLERANCE (ppm)
50	50		+/- 12.5
100	100		+/- 25
500	500		+/- 125
< 1	ZERO GAS		< 3

All measurement standards are calibrated at scheduled intervals by the National Institute of Standards and Technology (NIST), or against certified standards, which are traceable to the National Institute of Standards and Technology.

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RES Environmental Inc.

TVA1000B CALIBRATION VERIFICATION

CUSTOMER: RES UNIT #3

SERIAL NUMBER: 15865884

TECHNICIAN: [signature] DATE: 10-6-23

GAS CALIBRATION CHECK (PERFORMED AT ROOM TEMPERATURE)

FID			
METHANE GAS NOMINAL (ppm)	CALIBRATION GAS (ppm)	TVA READING (ppm)	TOLERANCE (ppm)
100	100	99	+/- 25
500	500	500	+/- 125
10000	10000	10,000	+/- 2500
< 1	ZERO GAS	0.07	< 3
PID			
ISOBUTYLENE GAS NOMINAL (ppm)	CALIBRATION GAS (ppm)	TVA READING (ppm)	TOLERANCE (ppm)
50	50		+/- 12.5
100	100		+/- 25
500	500		+/- 125
< 1	ZERO GAS		< 3

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RES Environmental Inc.

TVA1000B CALIBRATION VERIFICATION

CUSTOMER: RES Unit #4

SERIAL NUMBER: 163198 30

TECHNICIAN: [signature] DATE: 10-6-23

GAS CALIBRATION CHECK (PERFORMED AT ROOM TEMPERATURE)

FID			
METHANE GAS NOMINAL (ppm)	CALIBRATION GAS (ppm)	TVA READING (ppm)	TOLERANCE (ppm)
100	100	100	+/- 25
500	500	500	+/- 125
10000	10000	10,701	+/- 2500
< 1	ZERO GAS	0.161	< 3
PID			
ISOBUTYLENE GAS NOMINAL (ppm)	CALIBRATION GAS (ppm)	TVA READING (ppm)	TOLERANCE (ppm)
50	50	/	+/- 12.5
100	100	/	+/- 25
500	500	/	+/- 125
< 1	ZERO GAS	/	< 3

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RES Environmental Inc.

TVA1000B CALIBRATION VERIFICATION

CUSTOMER: RES UNIT #5

SERIAL NUMBER: 4919480

TECHNICIAN: JM MM DATE: 10-6-23

GAS CALIBRATION CHECK (PERFORMED AT ROOM TEMPERATURE)

FID			
METHANE GAS NOMINAL (ppm)	CALIBRATION GAS (ppm)	TVA READING (ppm)	TOLERANCE (ppm)
100	100	100	+/- 25
500	500	500	+/- 125
10000	10000	10,000	+/- 2500
< 1	ZERO GAS	0.01	< 3
PID			
ISOBUTYLENE GAS NOMINAL (ppm)	CALIBRATION GAS (ppm)	TVA READING (ppm)	TOLERANCE (ppm)
50	50		+/- 12.5
100	100		+/- 25
500	500		+/- 125
< 1	ZERO GAS		< 3

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RES Environmental Inc.

TVA1000B CALIBRATION VERIFICATION

CUSTOMER: RES UNIT #6

SERIAL NUMBER: 0720723626

TECHNICIAN: JM M DATE: 10-6-23

GAS CALIBRATION CHECK (PERFORMED AT ROOM TEMPERATURE)

FID			
METHANE GAS NOMINAL (ppm)	CALIBRATION GAS (ppm)	TVA READING (ppm)	TOLERANCE (ppm)
100	100	100	+/- 25
500	500	500	+/- 125
10000	10000	10,000	+/- 2500
< 1	ZERO GAS	0.03	< 3
PID			
ISOBUTYLENE GAS NOMINAL (ppm)	CALIBRATION GAS (ppm)	TVA READING (ppm)	TOLERANCE (ppm)
50	50		+/- 12.5
100	100		+/- 25
500	500		+/- 125
< 1	ZERO GAS		< 3

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RES Environmental Inc.

TVA1000B CALIBRATION VERIFICATION

CUSTOMER: RES Vault #7

SERIAL NUMBER: 0720723627

TECHNICIAN: [signature] DATE: 10-6-23

GAS CALIBRATION CHECK (PERFORMED AT ROOM TEMPERATURE)

FID			
METHANE GAS NOMINAL (ppm)	CALIBRATION GAS (ppm)	TVA READING (ppm)	TOLERANCE (ppm)
100	100	99	+/- 25
500	500	494	+/- 125
10000	10000	14,101	+/- 2500
< 1	ZERO GAS	0.69	< 3
PID			
ISOBUTYLENE GAS NOMINAL (ppm)	CALIBRATION GAS (ppm)	TVA READING (ppm)	TOLERANCE (ppm)
50	50		+/- 12.5
100	100		+/- 25
500	500		+/- 125
< 1	ZERO GAS		< 3

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RES Environmental Inc.

TVA1000B CALIBRATION VERIFICATION

CUSTOMER: RES Vans #9

SERIAL NUMBER: 0532113801

TECHNICIAN: [signature] DATE: 10-6-23

GAS CALIBRATION CHECK (PERFORMED AT ROOM TEMPERATURE)

FID			
METHANE GAS NOMINAL (ppm)	CALIBRATION GAS (ppm)	TVA READING (ppm)	TOLERANCE (ppm)
100	100	100	+/- 25
500	500	500	+/- 125
10000	10000	10,000	+/- 2500
< 1	ZERO GAS	10.63	< 3
PID			
ISOBUTYLENE GAS NOMINAL (ppm)	CALIBRATION GAS (ppm)	TVA READING (ppm)	TOLERANCE (ppm)
50	50		+/- 12.5
100	100		+/- 25
500	500		+/- 125
< 1	ZERO GAS		< 3

All measurement standards are calibrated at scheduled intervals by the National Institute of Standards and Technology (NIST), or against certified standards, which are traceable to the National Institute of Standards and Technology.

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RES Environmental Inc.

SURFACE EMISSION MONITORING INSTRUMENT
CALIBRATION LOG

Site: _____

Purpose: _____

Operator: JM MG

Date: 11-3-23 Time: 0515

Model # TVA-1000

Serial # #1 163208 32

INSTRUMENT INTEGRITY CHECKLIST		INSTRUMENT CALIBRATION
Battery test	(Pass) / Fail	CALIBRATION CHECK
Reading following ignition	2.1 ppm	Calibration Gas (ppm): 500 / Actual (ppm): 500 / % Accuracy: 100%
Leak test	(Pass) / Fail / NA	RESPONSE TIME
Clean system check (check valve chatter)	(Pass) / Fail / NA	Calibration Gas, ppm: 500
H_2 supply pressure gauge (acceptable range 9.5 - 12)	(Pass) / Fail / NA	90% of Calibration Gas, ppm: 450
Date of last factory calibration	10-6-23	Time required to attain 90% of Cal Gas ppm: 1. 5 / 2. 5 / 3. 6
Factory calibration record w/instrument within 3 months	(Pass) / Fail	Average: 5.3
		Equal to or less than 30 seconds? (Y) N
		Instrument calibrated to CH4 gas.

Comments: _____

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RES Environmental Inc.

SURFACE EMISSION MONITORING INSTRUMENT
CALIBRATION LOG

Site: _____

Purpose: _____

Operator: _____

Date: 11-3-23 Time: 0530

Model # TVA 1000

Serial # #2 7784545

INSTRUMENT INTEGRITY CHECKLIST		INSTRUMENT CALIBRATION
Battery test	(Pass) / Fail	CALIBRATION CHECK
Reading following ignition	2.3 ppm	Calibration Gas (ppm): 500 / Actual (ppm): 500 / % Accuracy: 100%
Leak test	(Pass) / Fail / NA	RESPONSE TIME
Clean system check (check valve chatter)	(Pass) / Fail / NA	Calibration Gas, ppm: 500
H_2 supply pressure gauge (acceptable range 9.5 - 12)	(Pass) / Fail / NA	90% of Calibration Gas, ppm: 450
Date of last factory calibration	10-6-23	Time required to attain 90% of Cal Gas ppm: 1. 6; 2. 6; 3. 5
Factory calibration record w/instrument within 3 months	(Pass) / Fail	Average: 5.6
		Equal to or less than 30 seconds? (Y) N
		Instrument calibrated to CH4 gas.

Comments: _____

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RES Environmental Inc.

SURFACE EMISSION MONITORING INSTRUMENT
CALIBRATION LOG

Site: _____

Purpose: _____

Operator: _____

Date: 11-3-23 Time: 0545

Model # TVA 1000

Serial # #3 158658849

INSTRUMENT INTEGRITY CHECKLIST		INSTRUMENT CALIBRATION
Battery test	~~Pass~~ / Fail	CALIBRATION CHECK
Reading following ignition	2.0 ppm	Calibration Gas (ppm): 500 — Actual (ppm): 500 — % Accuracy: 100%
Leak test	~~Pass~~ / Fail / NA	RESPONSE TIME
Clean system check (check valve chatter)	~~Pass~~ / Fail / NA	Calibration Gas, ppm: 500
H_2 supply pressure gauge (acceptable range 9.5 - 12)	~~Pass~~ / Fail / NA	90% of Calibration Gas, ppm: 450
Date of last factory calibration	10-6-23	Time required to attain 90% of Cal Gas ppm: 1. 6; 2. 6; 3. 6
Factory calibration record w/instrument within 3 months	~~Pass~~ / Fail	Average: 6.0
		Equal to or less than 30 seconds? (Y) N
		Instrument calibrated to CH4 gas.

Comments: _____

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RES Environmental Inc.

SURFACE EMISSION MONITORING INSTRUMENT
CALIBRATION LOG

Site: _____

Purpose: _____

Operator: _____

Date: 11-3-23 Time: 0600

Model # TVA 1000

Serial # #4 1631983

INSTRUMENT INTEGRITY CHECKLIST	
Battery test	(Pass) / Fail
Reading following ignition	2.5 ppm
Leak test	(Pass) / Fail / NA
Clean system check (check valve chatter)	(Pass) / Fail / NA
H_2 supply pressure gauge (acceptable range 9.5 - 12)	(Pass) / Fail / NA
Date of last factory calibration	10-6-23
Factory calibration record w/instrument within 3 months	(Pass) / Fail

INSTRUMENT CALIBRATION

CALIBRATION CHECK

Calibration Gas (ppm)	Actual (ppm)	% Accuracy
500	500	100%

RESPONSE TIME

Calibration Gas, ppm 500

90% of Calibration Gas, ppm 450

Time required to attain 90% of Cal Gas ppm

1. 5
2. 5
3. 5

Average 5.0

Equal to or less than 30 seconds? (Y) N

Instrument calibrated to CH4 gas.

Comments: _____

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RES Environmental Inc.

SURFACE EMISSION MONITORING INSTRUMENT
CALIBRATION LOG

Site: _____

Purpose: _____

Operator: _____

Date: 11-3-23 Time: 0615

Model # TVA 1000

Serial # #5 4919480

INSTRUMENT INTEGRITY CHECKLIST		INSTRUMENT CALIBRATION
Battery test	(Pass) / Fail	CALIBRATION CHECK
Reading following ignition	2.7 ppm	Calibration Gas (ppm): 500 / Actual (ppm): 500 / % Accuracy: 100%
Leak test	(Pass) / Fail / NA	RESPONSE TIME
Clean system check (check valve chatter)	(Pass) / Fail / NA	Calibration Gas, ppm: 500
H_2 supply pressure gauge (acceptable range 9.5 - 12)	(Pass) / Fail / NA	90% of Calibration Gas, ppm: 450
Date of last factory calibration	10-6-23	Time required to attain 90% of Cal Gas ppm: 1. 6 / 2. 6 / 3. 5
Factory calibration record w/instrument within 3 months	(Pass) / Fail	Average: 5.6
		Equal to or less than 30 seconds? (Y) N
		Instrument calibrated to CH4 gas.

Comments: _____

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RES Environmental Inc.

SURFACE EMISSION MONITORING INSTRUMENT
CALIBRATION LOG

Site: _____

Purpose: _____

Operator: JM JM

Date: 11-3-23 Time: 0630

Model # TVA-1000

Serial # #6 0720723626

INSTRUMENT INTEGRITY CHECKLIST		INSTRUMENT CALIBRATION
Battery test	(Pass) / Fail	CALIBRATION CHECK
Reading following ignition	2.1 ppm	Calibration Gas (ppm): 500 / Actual (ppm): 500 / % Accuracy: 100%
Leak test	(Pass) / Fail / NA	RESPONSE TIME
Clean system check (check valve chatter)	(Pass) / Fail / NA	Calibration Gas, ppm: 500
H_2 supply pressure gauge (acceptable range 9.5 - 12)	(Pass) / Fail / NA	90% of Calibration Gas, ppm: 450
Date of last factory calibration	10-6-23	Time required to attain 90% of Cal Gas ppm
Factory calibration record w/instrument within 3 months	(Pass) / Fail	1. 6 2. 6 3. 5 Average 5.6 Equal to or less than 30 seconds? (Y) N Instrument calibrated to CH4 gas.

Comments: _____

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RES Environmental Inc.

SURFACE EMISSION MONITORING INSTRUMENT
CALIBRATION LOG

Site: _____

Purpose: _____

Operator: JM CM

Date: 11-3-23 Time: 0645

Model # TVA 1000

Serial # #7 0720723627

INSTRUMENT INTEGRITY CHECKLIST	
Battery test	(Pass) / Fail
Reading following ignition	2.6 ppm
Leak test	(Pass) / Fail / NA
Clean system check (check valve chatter)	(Pass) / Fail / NA
H_2 supply pressure gauge (acceptable range 9.5 - 12)	(Pass) / Fail / NA
Date of last factory calibration	11-3-23
Factory calibration record w/instrument within 3 months	(Pass) / Fail

INSTRUMENT CALIBRATION

CALIBRATION CHECK

Calibration Gas (ppm)	Actual (ppm)	% Accuracy
500	500	100

RESPONSE TIME

Calibration Gas, ppm 500

90% of Calibration Gas, ppm 450

Time required to attain 90% of Cal Gas ppm

1. 5
2. 5
3. 6

Average 5.3

Equal to or less than 30 seconds? (Y) N

Instrument calibrated to CH4 gas.

Comments: _____

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RES Environmental Inc.

SURFACE EMISSION MONITORING INSTRUMENT
CALIBRATION LOG

Site: _____

Purpose: _____

Operator: MC MC

Date: 11-3-23 Time: 0700

Model # TVA 1000

Serial # #9 0532713801

INSTRUMENT INTEGRITY CHECKLIST		INSTRUMENT CALIBRATION		
Battery test	(Pass) / Fail	CALIBRATION CHECK		
Reading following ignition	2.1 ppm	Calibration Gas (ppm)	Actual (ppm)	% Accuracy
Leak test	(Pass) / Fail / NA	500	500	100%
Clean system check (check valve chatter)	(Pass) / Fail / NA	RESPONSE TIME		
H_2 supply pressure gauge (acceptable range 9.5 - 12)	(Pass) / Fail / NA	Calibration Gas, ppm	500	
Date of last factory calibration	10-6-23	90% of Calibration Gas, ppm	450	
Factory calibration record w/instrument within 3 months	(Pass) / Fail	Time required to attain 90% of Cal Gas ppm		
		1.	6	
		2.	6	
		3.	5	
		Average	5.6	
		Equal to or less than 30 seconds?	(Y)	N
		Instrument calibrated to	CH4	gas.

Comments: _____

465

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www.isgases.com

INTERMOUNTAIN SPECIALTY GASES
"Your calibration gas manufacturer since 1992"

CERTIFICATE OF ANALYSIS

Composition	Certification	Analytical Accuracy (+/-)
Oxygen	20.9 %	2%
Nitrogen	Balance UHP	

Lot #	**20-7421**
Mfg. Date:	5/20/2020
Expiration Date:	
Transfill Date:	see cylinder
Parent Cylinder ID Number:	NY02268

Method of Preparation:

Gravimetric/Pressure Transfilled

Method of Analysis:

The parent mix was prepared gravimetrically and is traceable to the NIST by certified weights (ID #CA10814) used to calibrate the scale.

Analysis By: Tony Janquart
Title: Quality Assurance Manager
Certificate Date: 5/20/2020


Service
INC
Concentration (Mole%) Accuracy
- 20.9% Oxygen
- Bal. Nitrogen
@ 70°F and 1,000 PSIG
Lot#: 20-7421
P/N:01-100
103 L
Kaiser Avenue, Irvine, CA 92614
or (800) 201-8150 Fax (949) 757-0363
103-01-100
103 L

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800-552-5003 • www.isgases.com

CERTIFICATE OF ANALYSIS

Composition	Certification	Analytical Accuracy
Methane	25 ppm	± 5%
Air	Balance	

Lot # 17-6074

Mfg. Date: 10/16/2017

Parent Cylinder ID Number: 17161

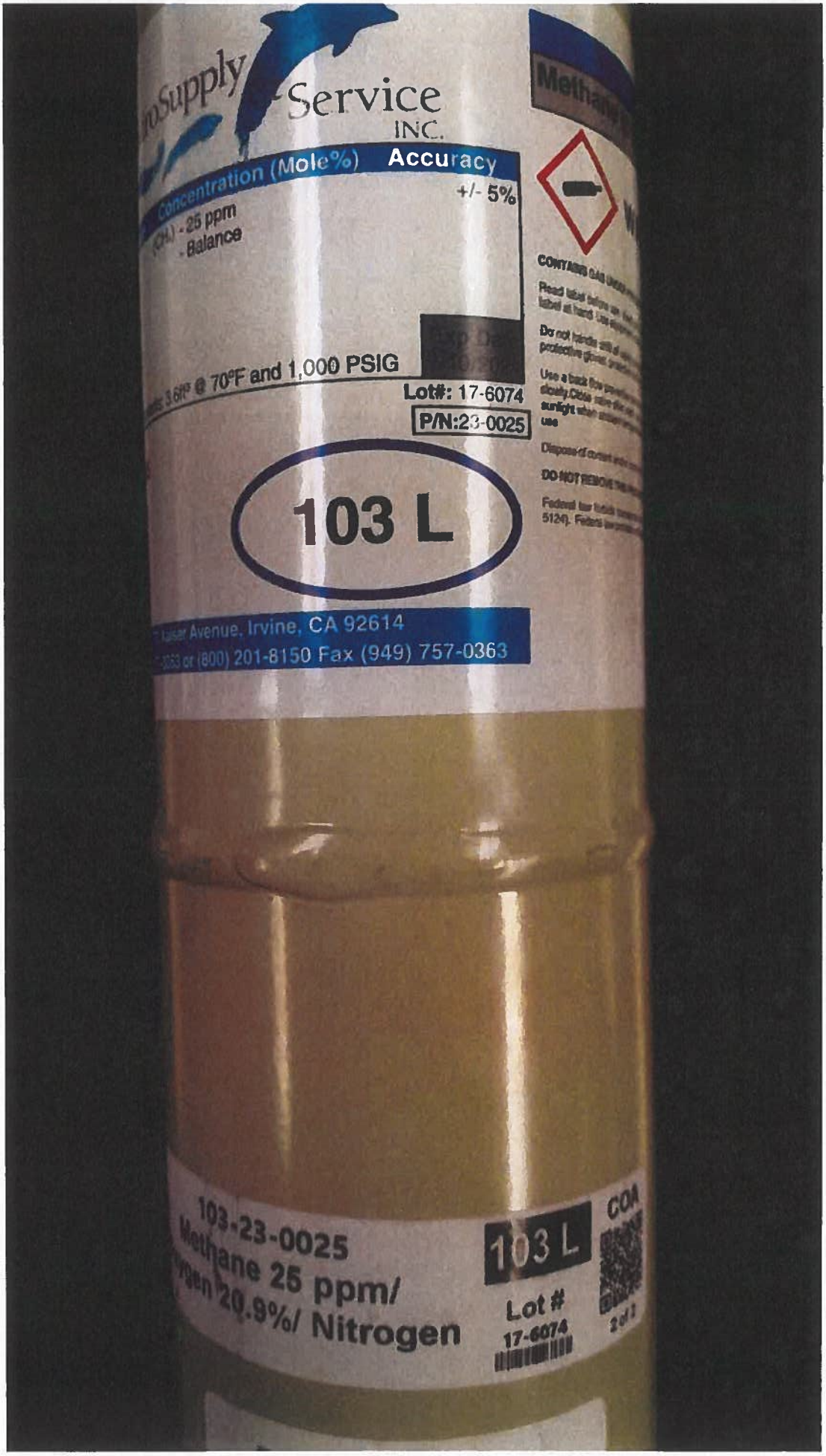
Method of Preparation:

Gravimetric/Pressure Transfilled

Method of Analysis:

The parent mix was prepared gravimetrically and is traceable to the NIST by certified weights (ID #CA10814) used to calibrate the scale.

Analysis By: Tony Janquart
Quality Assurance Manager
800-552-5003
Certificate Date: 10/16/2017


Service
INC.
Concentration (Mole%)
Accuracy
+/- 5%
- 25 ppm
- Balance
@ 70°F and 1,000 PSIG
Lot#: 17-6074
P/N:23-0025
103 L
Avenue, Irvine, CA 92614
(800) 201-8150 Fax (949) 757-0363
103-23-0025
Methane 25 ppm/
Nitrogen
103 L
Lot #
17-6074
COA

INTERMOUNTAIN SPECIALTY GASES

520 N. Kings Road • Nampa • Idaho • 83687

800-552-5003 • www.isgases.com

CERTIFICATE OF ANALYSIS

Composition	Certification	Analytical Accuracy
Methane	25 ppm	± 5%
Air	Balance	

Lot # 17-6074

Mfg. Date: 10/16/2017

Parent Cylinder ID Number: 17161

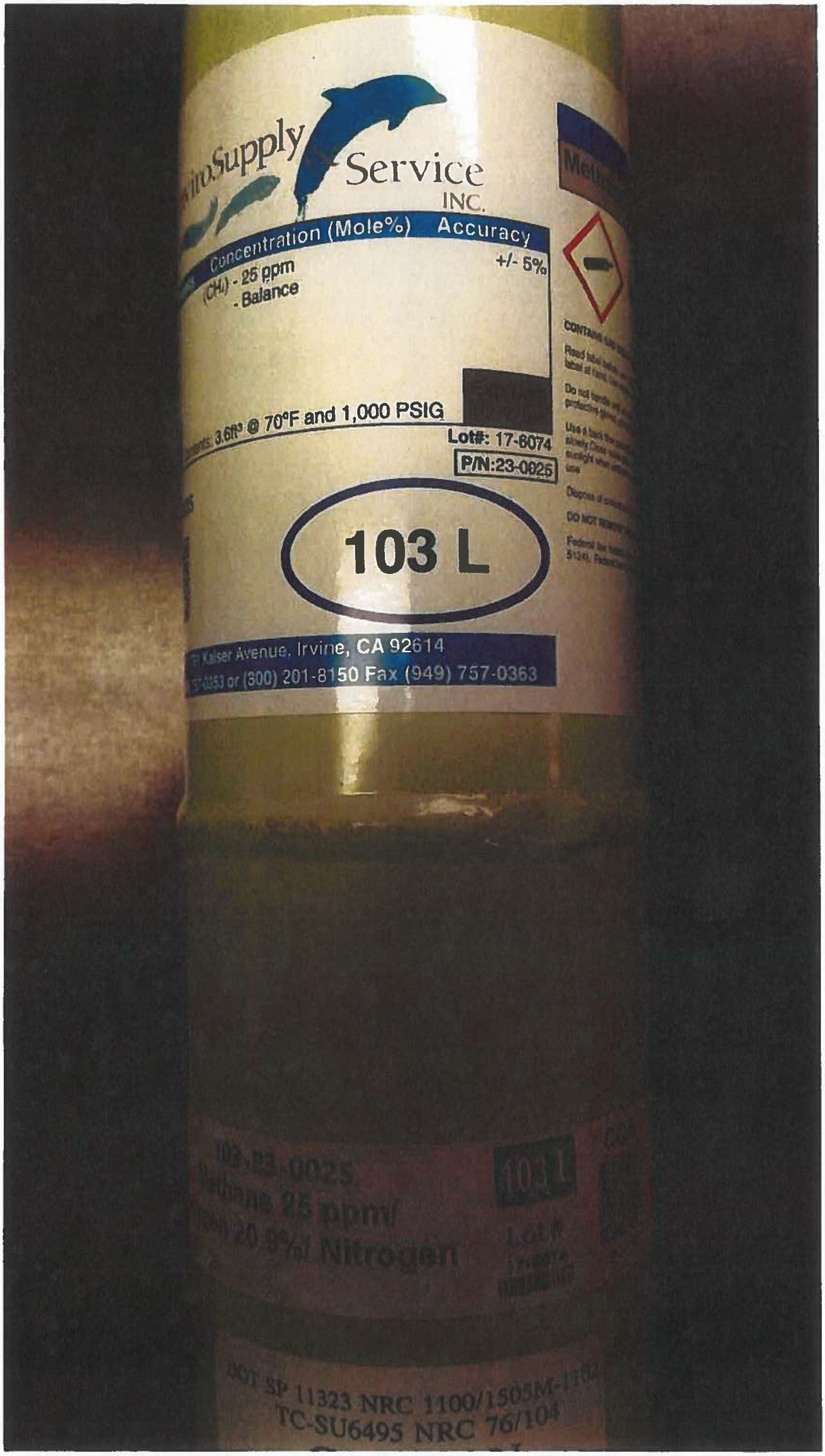
Method of Preparation:

Gravimetric/Pressure Transfilled

Method of Analysis:

The parent mix was prepared gravimetrically and is traceable to the NIST by certified weights (ID #CA10814) used to calibrate the scale.

Analysis By: Tony Janquart
Quality Assurance Manager
800-552-5003
Certificate Date: 10/16/2017


Service
INC.
Concentration (Mole%) Accuracy
(CH4) - 25 ppm +/- 5%
- Balance
Lot#: 17-6074
P/N:23-0925
103 L
Kaiser Avenue, Irvine, CA 92614
(949) 757-0363

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CERTIFICATE OF ANALYSIS

Composition	Certification	Analytical Accuracy (+/-)
Methane	500 ppm	2%
Oxygen	20.9 %	2%
Nitrogen	Balance UHP	

Lot #	**20-7497**
Mfg. Date:	7/10/2020
Expiration Date:	
Transfill Date:	see cylinder
Parent Cylinder ID Number:	TWC001763

Method of Preparation:

Gravimetric/Pressure Transfilled

Method of Analysis:

The parent mix was prepared gravimetrically and is traceable to the NIST by certified weights (ID #CA10814) used to calibrate the scale.

Analysis By:	Tony Janquart
Title:	Quality Assurance Manager
Certificate Date:	7/10/2020


Service
INC.
Accuracy
+/- 2%
Lot#: 20-7497
P/N:23-0500
103 L
Irvine, CA 92614
Fax (949) 757-0363
Methane
103 L
COA
Lot #
20-2497
4 of 4

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CERTIFICATE OF ANALYSIS

Premier Safety & Service

33596 Sterling Pond Blvd
Sterling Hights MI 48312

Cust Number 07152
Order Number 69671309
PO Number 08361523

Lot Number 2-108-80
Norlab Part# J1971500PA
Cylinder Size 103 Liter
Number of Cyl 1

Customer Part# N/A

Date on Manufacture 6/10/2022
Expires 06/2025
Analytical Accuracy +/- 2 %

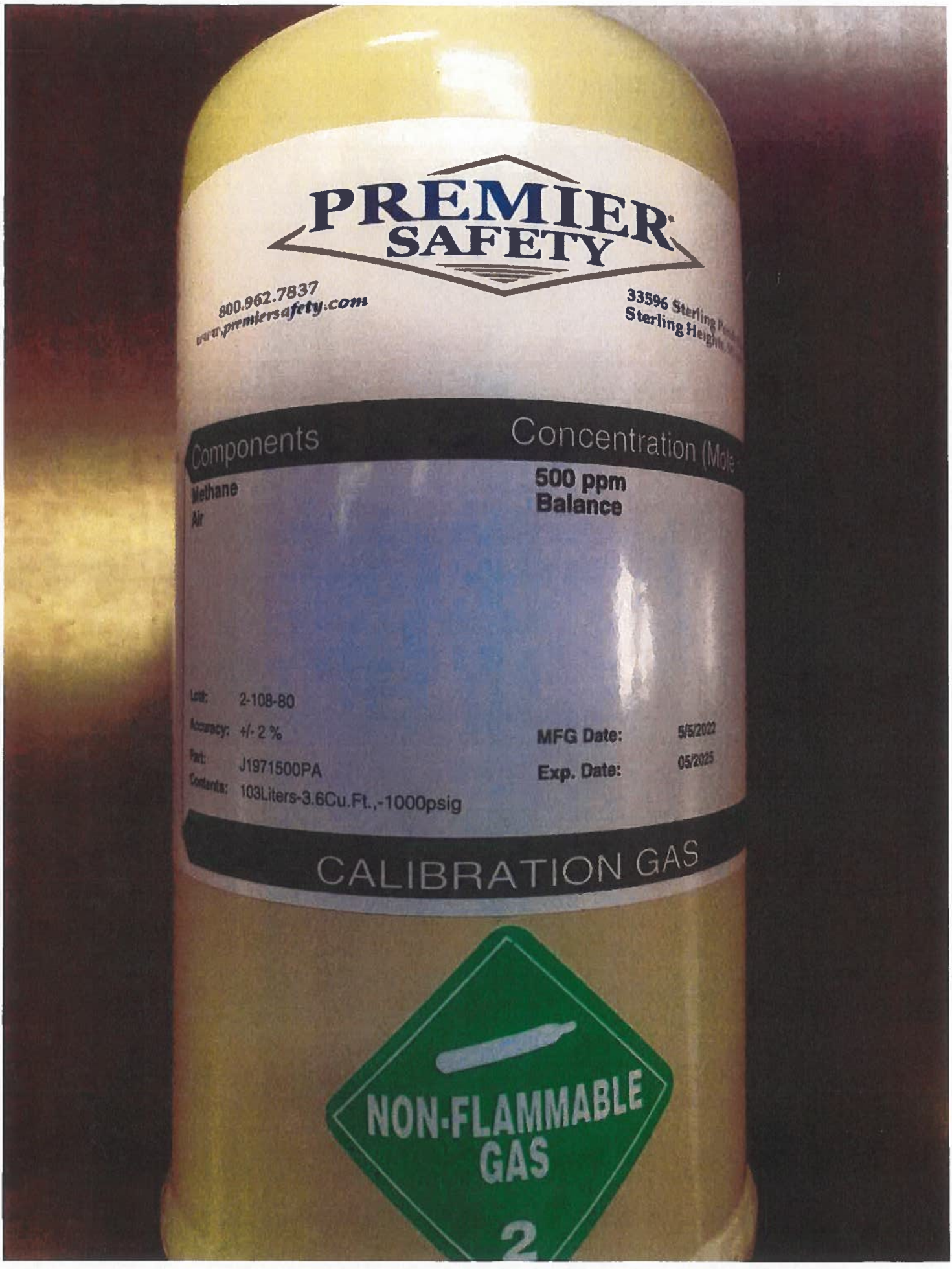
Component	Reported Concentration	Requested Concentration
Methane	500 ppm	500 ppm
Air	Balance	Balance

Storage: Keep away from heat, flames, and sparks. Store and use with adequate ventilation. Close valve when not in use and when empty. Never allow cylinder temperature to exceed 125 degrees F.

The cylinders in this lot were transfilled from cylinders prepared gravimetrically and traceable to the NIST by the certified weights used to calibrate the scale. The transfilled cylinders were then analyzed against standards traceable to the NIST by weights or SRMs. NIST Traceable Numbers are available upon request.

Approved: _____ Date Signed: 6/10/2022
David Reed
Lab Technician

898 W. GOWEN ROAD • BOISE, IDAHO 83705
Phone (208) 336-1643 • Fax (208) 331-3038 • 800-657-6672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800.962.7837
www.premiersafety.com
33596 Sterling
Sterling Heights
Components
Concentration (Mole
Methane
Air
500 ppm
Balance
Lot: 2-108-80
Accuracy: +/- 2 %
Part: J1971500PA
Contents: 103Liters-3.6Cu.Ft.,-1000psig
MFG Date: 5/5/2022
Exp. Date: 05/2025
CALIBRATION GAS
NON-FLAMMABLE
GAS
2

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CERTIFICATE OF ANALYSIS

Norco, Inc
Twin Falls Warehouse
203 S. Park Ave. West
Twin Falls, ID 83301

Cust Number WH012
Order Number 71846398
PO Number 04A35563

Lot Number 3-088-88
Norlab Part# J1971500PA
Cylinder Size 103 Liter
Number of Cyl 5

Customer Part# N/A

Date on Manufacture 4/7/2023
Expires 04/2027
Analytical Accuracy +/- 2 %

Component	Reported Concentration	Requested Concentration
Methane	500 ppm	500 ppm
Air	Balance	Balance

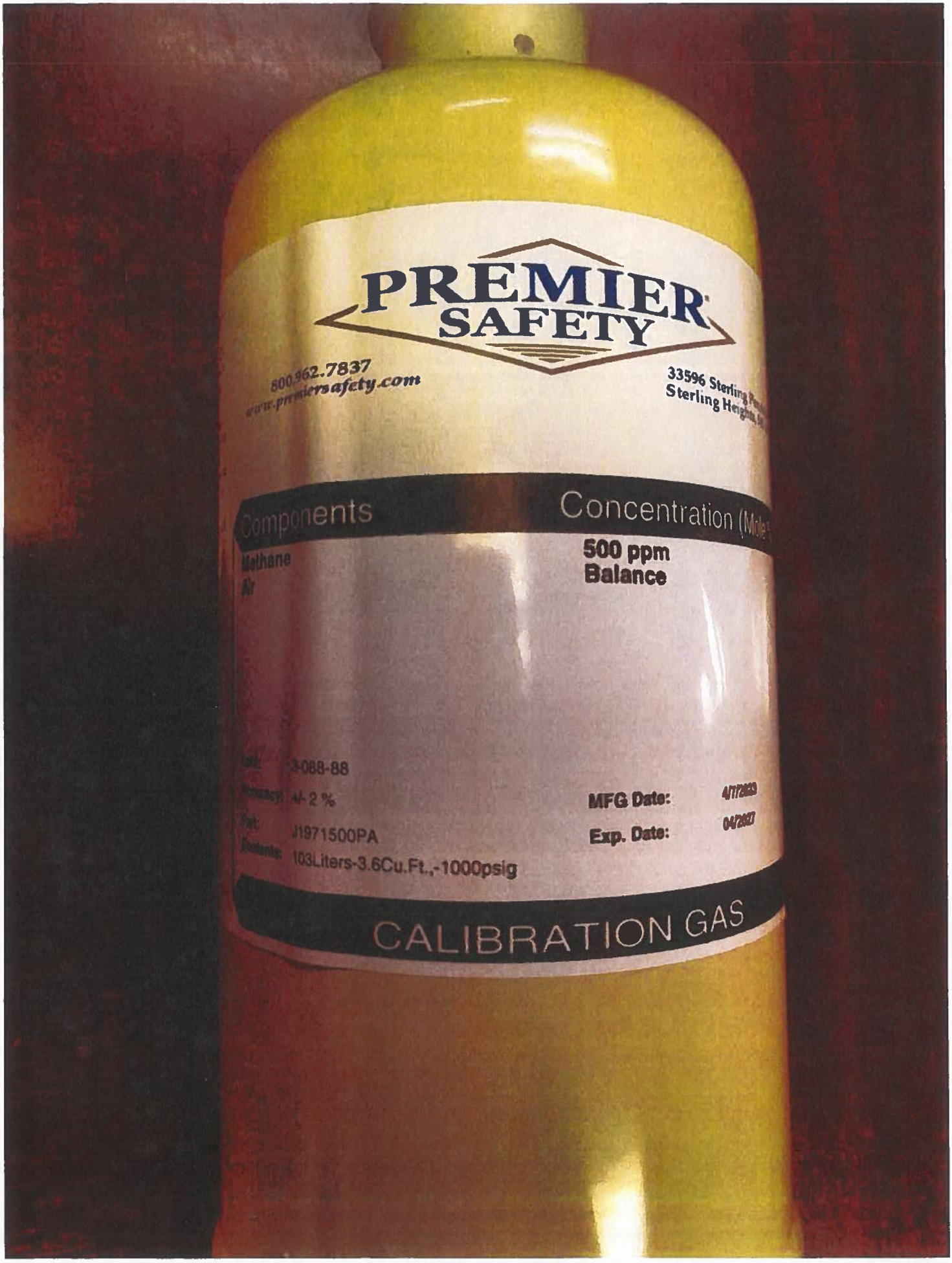
Storage: Keep away from heat, flames, and sparks. Store and use with adequate ventilation. Close valve when not in use and when empty. Never allow cylinder temperature to exceed 125 degrees F.

The cylinders in this lot were transfilled from cylinders prepared gravimetrically and traceable to the NIST by the certified weights used to calibrate the scale. The transfilled cylinders were then analyzed against standards traceable to the NIST by weights or SRMs.

NIST Traceable Numbers are available upon request.

Approved: _____ Date Signed: 4/7/2023
Jeff Korn
Lab Technician

898 W. GOWEN ROAD • BOISE, IDAHO 83705
Phone (208) 336-1643 • Fax (208) 331-3038 • 800-657-6672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33596 Sterling
Sterling Heights
Components
Concentration (Mole
Methane
Air
500 ppm
Balance
MFG Date:
Exp. Date:
J1971500PA
103Liters-3.6Cu.Ft.,-1000psig
CALIBRATION GAS

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CERTIFICATE OF ANALYSIS

Premier Safety & Service

33596 Sterling Pond Blvd
Sterling Hights MI 48312

Cust Number 07152
Order Number 69679439
PO Number 04906817

Lot Number	2-154-85
Norlab Part#	J1002
Cylinder Size	103 Liter
Number of Cyl	1
Customer Part#	N/A

Date on Manufacture	6/13/2022
Expires	06/2025
Analytical Accuracy	Certified

Component	Reported Concentration	Requested Concentration
Air	Zero Grade	Zero Grade
Oxygen	20.9 %	20.9 %
T.H.C. (as Methane)	< 1.0 ppm	< 1.0 ppm
Nitrogen	Balance	Balance

Storage: Keep away from heat, flames, and sparks. Store and use with adequate ventilation. Close valve when not in use and when empty. Never allow cylinder temperature to exceed 125 degrees F.

Minor constituents tested with standards traceable to NIST by mass or comparison to SRM's (Standard Reference Materials).

NIST Traceable Numbers are available upon request.

Approved: _____ Date Signed: 6/13/2022
David Reed
Lab Technician

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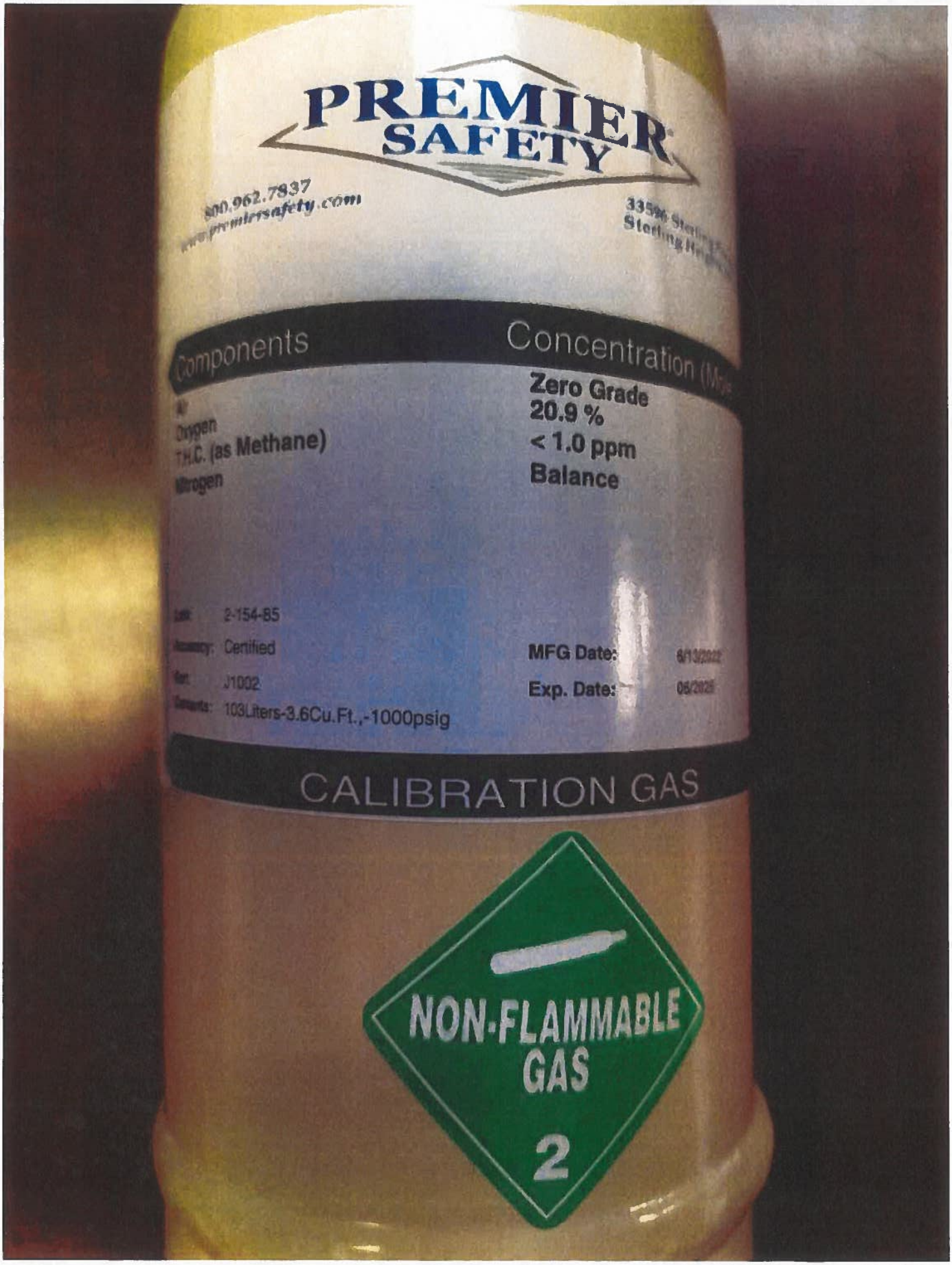
PREMIER
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www.premiersafety.com
Components
Concentration
Zero Grade
Air
20.9 %
Oxygen
< 1.0 ppm
T.H.C. (as Methane)
Balance
Nitrogen
2-154-85
Certified
J1002
103Liters-3.6Cu.Ft.,-1000psig
MFG Date:
Exp. Date:
05/2025
CALIBRATION GAS
NON-FLAMMABLE
GAS
2

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Premier Safety & Service

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Cust Number 07152
Order Number 73732858
PO Number 04B70733

Lot Number	3-340-61
Norlab Part#	J1971500PA
Cylinder Size	103 Liter
Number of Cyl	5
Customer Part#	N/A

Date on Manufacture	12/7/2023
Expires	12/2027
Analytical Accuracy	+/- 2 %

Component	Reported Concentration	Requested Concentration
Methane	500 ppm	500 ppm
Air	Balance	Balance

Storage: Keep away from heat, flames, and sparks. Store and use with adequate ventilation. Close valve when not in use and when empty. Never allow cylinder temperature to exceed 125 degrees F.

The cylinders in this lot were transfilled from cylinders prepared gravimetrically and traceable to the NIST by the certified weights used to calibrate the scale. The transfilled cylinders were then analyzed against standards traceable to the NIST by weights or SRMs. NIST Traceable Numbers are available upon request.

Approved: _____ Date Signed: 12/7/2023
Aaron Schwenken
Lab Manager

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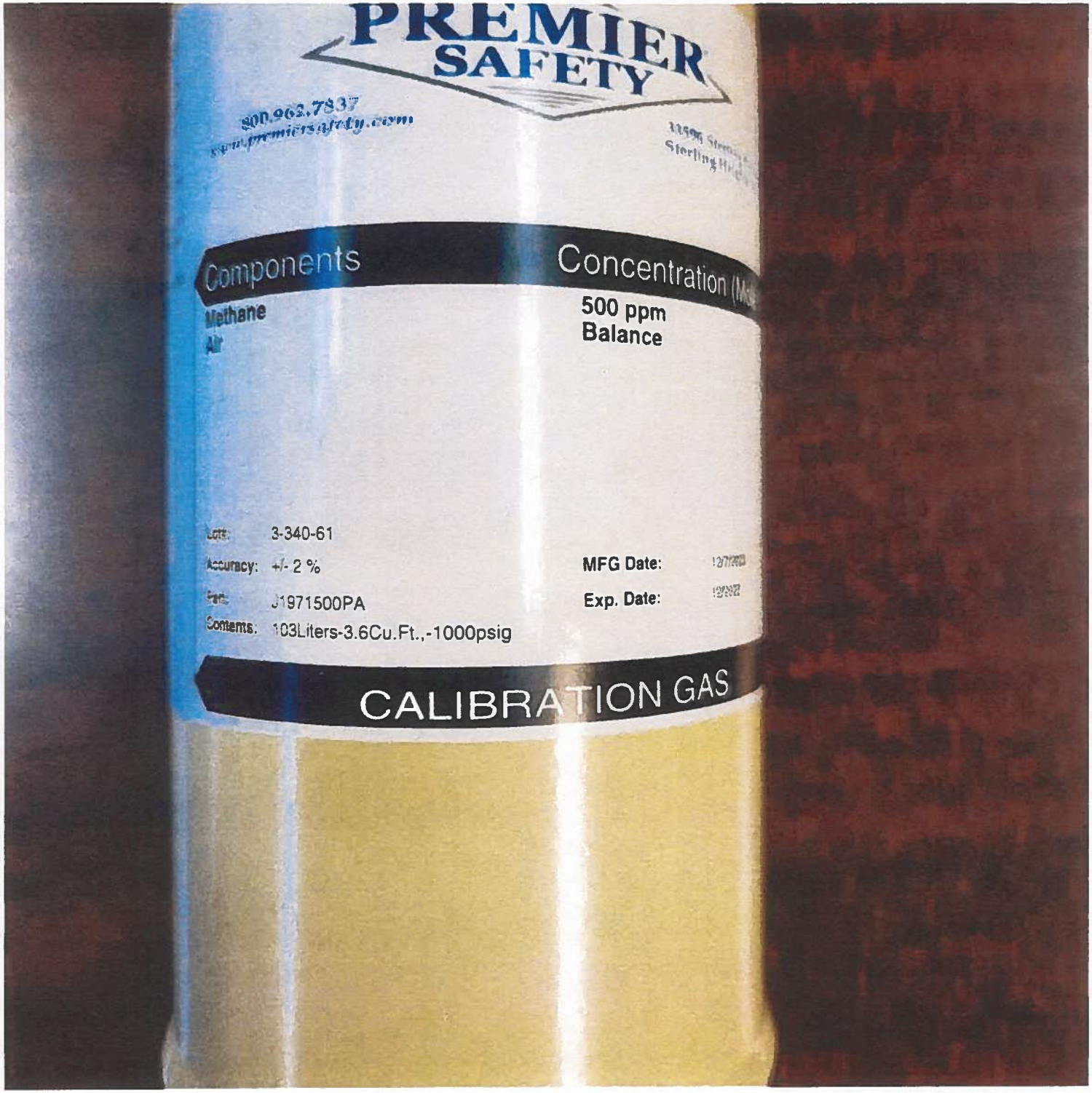
Phone (208) 336-1643 • Fax (208) 331-3038 • 800-657-6672


PREMIER
SAFETY
800.962.7837
Components
Concentration
Methane
Air
500 ppm
Balance
3-340-61
Accuracy: +/- 2 %
MFG Date:
Exp. Date:
Contents: 103Liters-3.6Cu.Ft.,-1000psig
CALIBRATION GAS

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Calibration Gases & Equipment

CERTIFICATE OF ANALYSIS

Premier Safety & Service

33596 Sterling Pond Blvd
Sterling Hights MI 48312

Cust Number 07152
Order Number 73732858
PO Number 04B70733

Lot Number 3-340-62
Norlab Part# J197125PA
Cylinder Size 103 Liter
Number of Cyl 5

Customer Part# N/A

Date on Manufacture 12/7/2023
Expires 12/2027
Analytical Accuracy +/- 5 %

Component	Reported Concentration	Requested Concentration
Methane	25 ppm	25 ppm
Air	Balance	Balance

Storage: Keep away from heat, flames, and sparks. Store and use with adequate ventilation. Close valve when not in use and when empty. Never allow cylinder temperature to exceed 125 degrees F.

The cylinders in this lot were transfilled from cylinders prepared gravimetrically and traceable to the NIST by the certified weights used to calibrate the scale. The transfilled cylinders were then analyzed against standards traceable to the NIST by weights or SRMs. NIST Traceable Numbers are available upon request.

Approved: _____ Date Signed: 12/7/2023
Aaron Schwenken
Lab Manager

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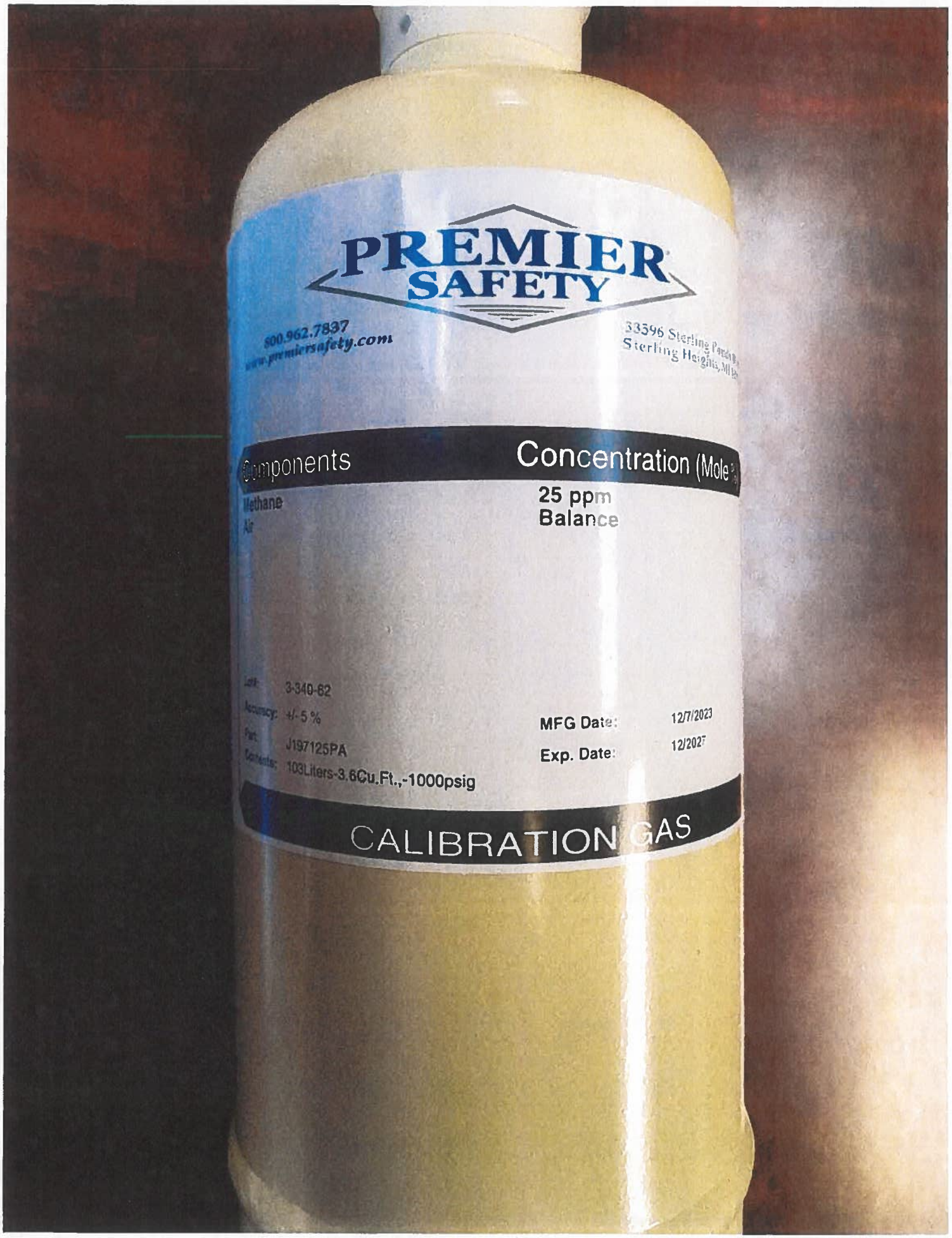
PREMIER
SAFETY
800.962.7837
www.premiersafety.com
Components
Concentration (Mole
Methane
Air
25 ppm
Balance
Lot: 3-340-62
Accuracy: +/- 5 %
Part: J197125PA
Contents: 103Liters-3.6Cu.Ft.,-1000psig
MFG Date: 12/7/2023
Exp. Date: 12/2027
CALIBRATION GAS

RES Environmental Inc.

TVA1000B CALIBRATION VERIFICATION

CUSTOMER: RES UNIT #1

SERIAL NUMBER: 16320832

TECHNICIAN: [signature] DATE: 10-6-23

GAS CALIBRATION CHECK (PERFORMED AT ROOM TEMPERATURE)

FID			
METHANE GAS NOMINAL (ppm)	CALIBRATION GAS (ppm)	TVA READING (ppm)	TOLERANCE (ppm)
100	100	100	+/- 25
500	500	500	+/- 125
10000	10000	10,000	+/- 2500
< 1	ZERO GAS	1045	< 3
PID			
ISOBUTYLENE GAS NOMINAL (ppm)	CALIBRATION GAS (ppm)	TVA READING (ppm)	TOLERANCE (ppm)
50	50	/	+/- 12.5
100	100	/	+/- 25
500	500	/	+/- 125
< 1	ZERO GAS	/	< 3

All measurement standards are calibrated at scheduled intervals by the National Institute of Standards and Technology (NIST), or against certified standards, which are traceable to the National Institute of Standards and Technology.

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