

# Third Quarter 2022 Community Air Monitoring Report, Chiquita Canyon Landfill

Chiquita Canyon Landfill  
29201 Henry Mayo Drive  
Castaic, California 91384

**SCS ENGINEERS**

01204123.19 Task 7 | November 2022

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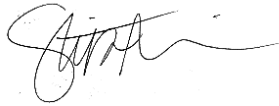
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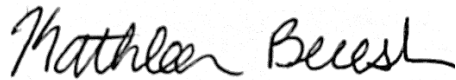
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This Third Quarter 2022 Community Air Monitoring Report for the Chiquita Canyon Landfill, located at 29201 Henry Mayo Drive, Castaic, California, was prepared and reviewed by the following:



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## 1.0 CHIQUITA CANYON AIR MONITORING SUMMARY

This Third Quarter 2022 Community Air Monitoring Report (Report) has been prepared by SCS Engineers (SCS) in collaboration with Chiquita Canyon Landfill (CCL or Site), the Los Angeles County Department of Public Health (DPH), and the Los Angeles County Department of Public Works (PW), in regard to implementation of the Community Air Monitoring Program (CAMP), dated 2019. The CAMP presents an overview of quarterly air monitoring reporting compiled from continuous air monitoring stations in the community surrounding the Site, and monthly discrete sampling at community air monitoring station locations during the reporting period.

The CAMP was prepared by SCS, in consultation with CCL, DPH and PW, in accordance with the 2019 Community Air Monitoring Plan (CAM Plan), which was prepared in order to identify locations, parameters, and procedures for implementation of continuous air monitoring in the community surrounding the Site. The CAMP was designed to incorporate the requirements of Condition 68 of CCL's Conditional Use Permit (CUP) issued by the County of Los Angeles (County).

As of September 2022, the CAMP is comprised of a network of twelve air monitoring stations (MS or Stations) with seven stations located throughout the community surrounding the Site (MS-06 through MS-12) and five stations located on-site (MS-01 through MS-05), around the Site perimeter (the Site perimeter air monitoring stations serve as a reference for any off-site exceedances that may be detected). The air monitoring stations continuously monitor particulate matter with an aerodynamic diameter of ten (10) micrometers or less (PM<sub>10</sub>), particulate matter with an aerodynamic diameter of 2.5 micrometers or less (PM<sub>2.5</sub>), and hydrogen sulfide (H<sub>2</sub>S); as well as wind direction and wind speed. The CAMP was fully implemented in September 2022.

The purpose of this report is to comply with the quarterly reporting requirements outlined in the CAM Plan and Condition 68 of the CUP. This report includes the following components:

- DPH data evaluation of monthly reports and/or quarterly analysis and evaluation of potential health and safety impacts on nearby residents, schools, and centers of employment
- SCS determination of any exceedances of the applicable reporting thresholds
- SCS evaluation and recommendations for Program implementation

This section outlines the monitoring thresholds and provides additional detail for the analyses conducted during the reporting period.

### 1.1 MONITORING LOCATIONS

A map showing the location of the monitoring stations is included as **Figure 1**. As shown on Figure 1, MS-01 through MS-05 are located around the perimeter of the Site. MS-06 through MS-12 are located in the community surrounding the Site, and are the subject of this report.

### 1.2 CONTINUOUS MONITORING

**Table 1** summarizes the air quality exposure levels or standards that are used as a basis for analyzing the continuous air monitoring data at the community stations, MS-06 through MS-12.

The recommended *reporting analysis thresholds* for each of the continuously monitored air pollutants are highlighted in **bold text** in **Table 1**. The air monitoring stations that are deployed around the Site and in the community have detection limits that are well below the recommended

notification levels (i.e., they can detect ambient concentration levels that are much lower than the threshold levels recommended below). Short-term fluctuations in the ambient concentration of the monitored air pollutants around the Site and in the community are expected and will be reflected in the data.

Table 1. Summary of Air Quality Standards for Selected Air Pollutants

Air Quality Standard		PM <sub>2.5</sub>	PM <sub>10</sub>	H <sub>2</sub> S
CAAQS	1-Hour Average	--	--	<b>0.03 ppm</b>
	24-Hour Average	--	50 µg/m <sup>3</sup>	--
FEIR	24-Hour Average	<b>2.5 µg/m<sup>3</sup></b>	<b>2.5 µg/m<sup>3</sup></b>	--
SCAQMD	2-Hour Average	<b>25 µg/m<sup>3</sup></b>		--

**Bold Text** – Reporting Threshold

It should be noted that the reporting analysis thresholds are limited to the off-site monitoring stations. This means that if the thresholds are triggered on any off-site monitoring station (MS-06 through MS-12), additional analysis will be required, including review of data collected at the on-site monitoring stations (MS-01 through MS-05) during the exceedance event.

The continuous monitoring data for the entire quarter is formatted into the time increments that match the reporting analysis thresholds listed in the table above, as is presented in Appendix A. Within Appendix A, please refer to **Appendix A, Table A-1** for the H<sub>2</sub>S 1-hour exceedances, **Table A-2** for 24-hour PM<sub>2.5</sub> and PM<sub>10</sub> exceedances, and **Table A-3** for 2-hour PM<sub>2.5</sub> and PM<sub>10</sub> exceedances.

### 1.3 DISCRETE SAMPLING

On a monthly basis, a total of five air samples are collected at community monitoring stations. Three samples are collected in the community surrounding the Site, with two samples collected from either side of the landfill generally in line with the community monitor sampling locations for each month. The overall intent is to cover all monitoring stations within the surrounding community every quarter for the duration of the CAMP.

To achieve this goal, SCS has implemented the following monthly sampling rotation with three community monitoring locations grouped together with two landfill monitoring locations in line from either side of the landfill:

- Rotation 1:** Samples collected from northwest of the Landfill (MS-07, MS-08, and MS-12) with in line Landfill samples located at MS-04 and MS-03.
- Rotation 2:** Samples collected from northeast of the Landfill (MS-06, MS-09, and MS-10) with in line Landfill samples located at MS-01 and MS-02.
- Rotation 3:** Samples collected from northwest and southeast of the Landfill (MS-08, MS-11, and MS-12) with in line Landfill samples located at MS-04 and MS-05.

Samples are collected and analyzed for landfill gas (LFG) components listed in Table 1 of SCAQMD Rule 1150.1, the SCAQMD rule for monitoring emissions from landfills. Those chemicals are found in Table 2 below.

Table 2. SCAQMD Rule 1150.1 Toxic Air Contaminant List

SCAQMD Rule 1150.1 Table 1 Constituents			
Benzene	1,1-Dichloroethane	Tetrachloroethylene	Trichloromethane
Benzyl chloride	1,2-Dichloroethane	Tetrachloromethane	Vinyl Chloride
Chlorobenzene	1,1-Dichloroethene	Toluene	Xylene
1,2-Dibromoethane	Dichloromethane	1,1,1-Trichloroethane	
Dichlorobenzene	Hydrogen Sulfide	Trichloroethylene	

For discrete sampling, reporting analysis thresholds chosen by DPH are the California Office of Health Hazard Assessment (OEHHA) Reference Exposure Levels (RELs) for Acute Hazard Index Target Organ Systems (Table 6.1 from the February 2015 Air Toxics Hot Spots Program Guidance Manual). By definition, an acute REL is an exposure that is not likely to cause adverse health effects in a human population, including sensitive subgroups, exposed to that concentration (in units of micrograms per cubic meter or  $\mu\text{g}/\text{m}^3$ ) for the specified exposure duration on an intermittent basis.

## 2.0 QUARTERLY AIR MONITORING RESULTS

This section discusses the continuous monitoring and discrete sampling results for the reporting period.

### 2.1 CONTINUOUS MONITORING RESULTS

DPH has access to all continuous monitoring data recorded from the off-site monitors, which is reviewed routinely and on an as-needed basis if recorded values exceed the reporting thresholds in Table 1. If DPH observes reportable exceedances, DPH may request the on-site monitoring data (including wind direction and wind speed data), for the purposes of DPH's evaluations of reported exceedances. Upon request, SCS will provide DPH with the continuous monitoring data for all on-site monitors, for the time period of the exceedance plus one time increment prior to, and after, the exceedance start time. Any recommendations regarding the health and safety impact on nearby residents, schools and centers of employment or evaluation(s) of potential sources of air pollutants impacting ambient air quality made by DPH are included in this report.

During the reporting period, there were 34 exceedance events at the off-site stations, where station(s) exceeded one or more reporting thresholds. Please note that one or more monitors can have an exceedance detection during a single exceedance event, based on the stations' proximity to other stations, wind direction, and wind speed. A summary of each exceedance that occurred at the off-site monitoring stations during the reporting period can be found in Appendix A. As the CAMP was not fully implemented until September 2022, continuous monitoring data from MS-09 was not recorded prior to September 2022.

SCS received an email on November 9, 2022, with DPH's analysis of the continuous monitoring data exceedances which occurred during the Third Quarter 2022, which stated:

*“[DPH has]...reviewed the onsite and offsite air monitoring stations for all H2S and particulate matter (PM 2.5 and PM10) for the months of July, August, and September 2022. Based on the data collected, LA County Department of Public Health does not expect that there would be any potential health and safety impacts on nearby residents, schools and centers of employment.”*

Please note, due to the size of the full dataset and in order to reduce the amount of physical pages of this quarterly report, a link to the 1-hour data for the continuous monitoring at the off-site locations can be found in **Appendix B**. Since the continuous monitoring data presented in this report includes only a summary of exceedance events, the complete 1-hour data set is included as a separate, linked attachment.

## **2.2 DISCRETE SAMPLING RESULTS**

During the Third Quarter 2022, monthly samples were taken in August and September, 2022. Please note that no samples were collected in July 2022 as the lab needed to verify analytical requirements following the June “proof of concept” sampling event. A full description of the detected constituents along with their concentrations was included in the monthly reports which were submitted to DPH, PW, and the Site on October 3, 2022. During the reporting period, there were six (6) community monitoring stations that had exceedances of discrete sampling reporting thresholds.

SCS received an email on November 3, 2022, with DPH’s analysis of the initial “proof of concept” discrete sampling conducted in June 2022, as well as the discrete sampling conducted on August 25 and September 19, 2022, which stated:

*“... In [our] professional opinion, the data collected would not be associated with any potential adverse effects for the residents in the communities where the samples were collected.”*

The results of the monthly discrete sampling events conducted in August and September are found in **Appendix C**. **Appendix C, Table C-1** includes the discrete sampling reporting thresholds, and **Table C-2** includes a summary of the discrete sampling exceedances detected during the Third Quarter 2022. The complete laboratory analytical reports are also included within Appendix C.

The laboratory results were analyzed in conjunction with the continuous air monitoring data collected during the sampling event. The 1-hour continuous monitoring data collected at each monitoring station that was used as part of the discrete sampling analysis is located in **Appendix B**. Please note that only the off-site discrete sampling events and the associated 1-hour monitoring data are included in this quarterly report.

## **3.0 SCS CAMP RECOMMENDATIONS**

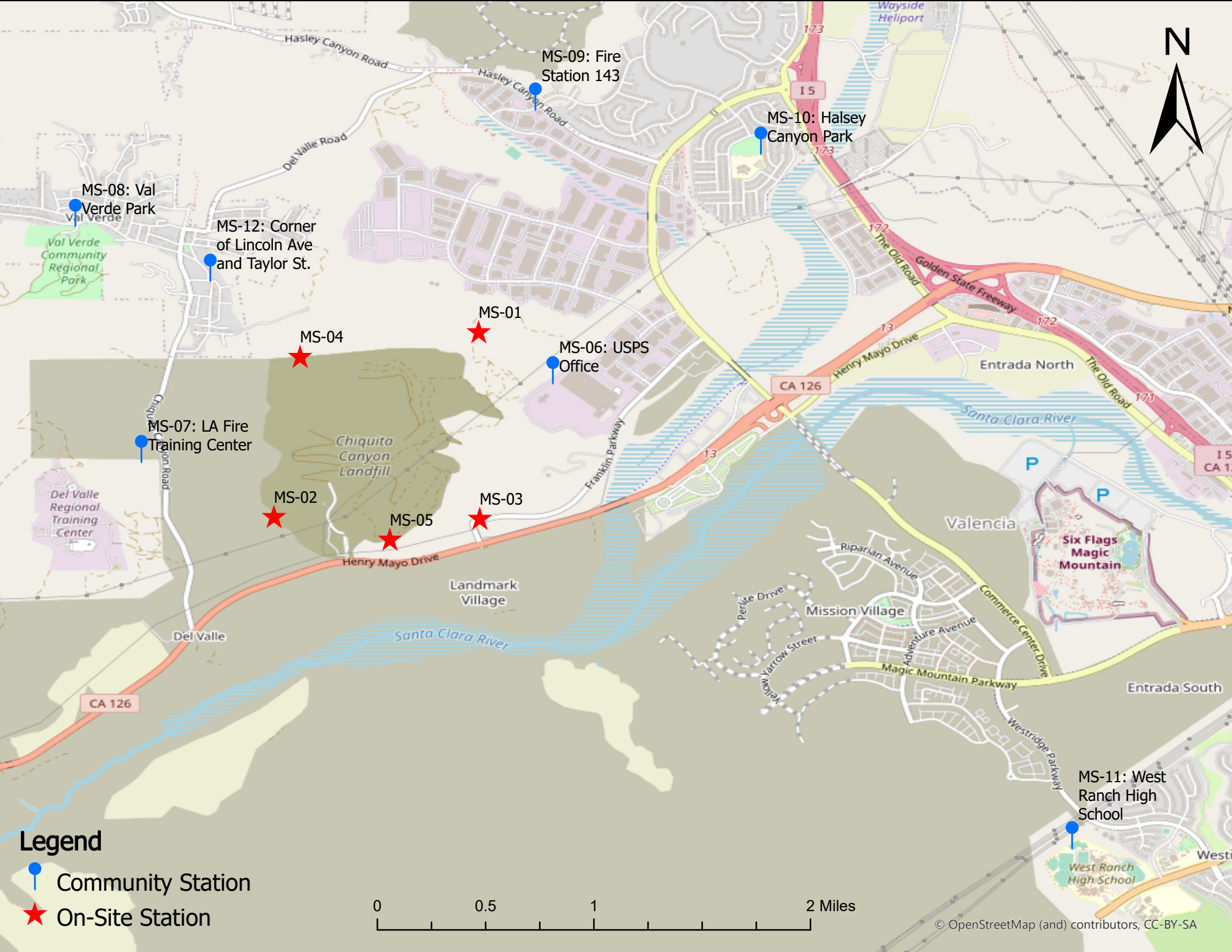
This section describes any recommendations by SCS to the CAMP to improve the overall efficiency of the air monitoring program. SCS recommends the following:

1. Propose an alternate location for MS-03 due to pending relocation of landfill entrance to Wolcott Way.

All quarterly recommendations/observations will be compiled and addressed in the annual Community Air Monitoring Report.

Figure 1  
Chiquita Canyon CAMP Map of Monitoring Stations





MS-08: Val Verde Park

MS-12: Corner of Lincoln Ave and Taylor St.

MS-09: Fire Station 143

MS-10: Halsey Canyon Park

MS-04

MS-01

MS-06: USPS Office

MS-07: LA Fire Training Center

MS-02

MS-03

MS-05


Landmark Village

MS-11: West Ranch High School

**Legend**  
● Community Station  
★ On-Site Station

0 0.5 1 2 Miles

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## Appendix A

Third Quarter 2022 Community Air Monitoring Station

Continuous Monitoring Data Exceedances




Table A-1  
1-Hour Average H<sub>2</sub>S Community Monitoring Station Data

**Table A-1**  
**1-Hour Average H<sub>2</sub>S Community Monitoring Station Data**

Monitoring Station	Event # <sup>1</sup>	Date/Time	H <sub>2</sub> S <sup>2</sup>	Wind Speed	Wind Direction	Pressure	Air Temperature	Relative Humidity
			ppm	mph	°	in.Hg	(°F)	%
MS-08	1	7/3/2022 7:00	0.027	N/A	N/A	N/A	N/A	N/A
MS-08	1	7/3/2022 8:00	0.031	N/A	N/A	N/A	N/A	N/A
MS-08	1	7/3/2022 9:00	0.03	N/A	N/A	N/A	N/A	N/A
MS-08	2	7/7/2022 2:00	0.028	N/A	N/A	N/A	N/A	N/A
MS-08	2	7/7/2022 3:00	0.03	N/A	N/A	N/A	N/A	N/A
MS-08	2	7/7/2022 4:00	0.028	N/A	N/A	N/A	N/A	N/A
MS-07	3	7/19/2022 13:00	0.025	9.48	246.9	29.23	95.6	19
MS-07	3	7/19/2022 14:00	0.032	8.47	250.1	29.22	96.6	16.4
MS-07	3	7/19/2022 15:00	0.033	8.65	253.7	29.21	95.9	16.9
MS-07	3	7/19/2022 16:00	0.025	7.16	248.2	29.2	94.9	20.2
MS-08	4	7/21/2022 12:00	0.029	4.79	231.1	29.03	92.4	24.4
MS-08	4	7/21/2022 13:00	0.04	5.04	225.9	29.01	94.2	25.2
MS-08	4	7/21/2022 14:00	0.04	4.87	225.6	28.99	94.6	24.5
MS-08	4	7/21/2022 15:00	0.038	4.74	227.3	28.98	95	24
MS-08	4	7/21/2022 16:00	0.039	4.13	239.3	28.97	94.7	24.5
MS-08	4	7/21/2022 17:00	0.045	3.9	247.5	28.96	91.9	28.2
MS-08	4	7/21/2022 18:00	0.045	3.29	258.2	28.96	87.4	31.6
MS-08	4	7/21/2022 19:00	0.04	3.16	250.2	28.97	83.5	33.8
MS-08	4	7/21/2022 20:00	0.039	2.25	267.6	28.98	79.7	37
MS-08	4	7/21/2022 21:00	0.041	1.12	130.8	29	75.7	43.1
MS-08	4	7/21/2022 22:00	0.044	1.04	105.7	29.01	70.8	51.6
MS-08	4	7/21/2022 23:00	0.043	1.21	179.1	29.01	67	57.8
MS-08	4	7/22/2022 0:00	0.04	2	230.5	29.01	64.4	60.7
MS-08	4	7/22/2022 1:00	0.036	1.8	223.9	29	63.5	59.1
MS-08	4	7/22/2022 2:00	0.03	1.78	230.1	28.98	61.8	60.7
MS-08	4	7/22/2022 3:00	0.029	1.5	234.4	28.98	60.3	63.2
MS-08	5	7/22/2022 6:00	0.028	1.29	225.9	28.99	59.4	66.9
MS-08	5	7/22/2022 7:00	0.032	1.26	86.2	28.99	64.7	60
MS-08	5	7/22/2022 8:00	0.032	1.96	58.9	28.99	69.6	53.8
MS-08	5	7/22/2022 9:00	0.028	2.67	43.8	28.98	76.6	43.7
MS-08	6	7/25/2022 2:00	0.028	1.05	181.6	29.01	59.1	83.5
MS-08	6	7/25/2022 3:00	0.03	1.65	226.3	29.01	57.7	83.8
MS-08	6	7/25/2022 4:00	0.031	1.52	213.5	29.01	57.1	84.5
MS-08	6	7/25/2022 5:00	0.031	1.44	220.9	29.01	56.6	85.2
MS-08	6	7/25/2022 6:00	0.031	1.58	240.1	29.02	56.9	84.6
MS-08	6	7/25/2022 7:00	0.025	1.13	211.4	29.03	62.2	79.6
MS-07	7	8/7/2022 8:00	0.029	1.27	105.5	29.2	77.1	29.7
MS-07	7	8/7/2022 9:00	0.036	2.42	95.4	29.19	83.2	18.3
MS-07	7	8/7/2022 10:00	0.033	2.29	90	29.18	92.1	14.2
MS-07	7	8/7/2022 11:00	0.031	3.67	41.3	29.17	97.5	12.5
MS-07	7	8/7/2022 12:00	0.028	5.6	234.6	29.16	99.8	13.2
MS-08	8	8/8/2022 0:00	0.026	1.64	239.2	29.02	71.8	42.5
MS-08	8	8/8/2022 1:00	0.033	1.6	234.6	29.02	69.4	46
MS-08	8	8/8/2022 2:00	0.034	1.63	240.7	29.01	67.9	47.3
MS-08	8	8/8/2022 3:00	0.022	1.57	240.9	29.01	67.8	45.1
MS-08	9	8/8/2022 13:00	0.022	4.7	241.3	29	96.9	23
MS-08	9	8/8/2022 14:00	0.032	5.08	237.9	28.98	96.4	25.1
MS-08	9	8/8/2022 15:00	0.036	4.74	226.4	28.96	96	26.7
MS-08	9	8/8/2022 16:00	0.032	4.35	259	28.96	95.2	25.1
MS-08	9	8/8/2022 17:00	0.019	4.08	227.7	28.96	93.4	24
MS-08	9	8/8/2022 18:00	0.035	3.3	243.9	28.96	89.9	29.9
MS-08	9	8/8/2022 19:00	0.038	3.08	238.2	28.98	85.6	34.3
MS-08	9	8/8/2022 20:00	0.036	3.62	249.3	29	82.4	36.4
MS-08	9	8/8/2022 21:00	0.037	1.35	241.9	29.02	78.6	40
MS-08	9	8/8/2022 22:00	0.038	1.42	204.1	29.03	74.8	45
MS-08	9	8/8/2022 23:00	0.038	1.28	225.6	29.03	72	49
MS-08	9	8/9/2022 0:00	0.035	2.23	240.4	29.04	70.2	49.4

**Table A-1**  
**1-Hour Average H<sub>2</sub>S Community Monitoring Station Data**

Monitoring Station	Event # <sup>1</sup>	Date/Time	H <sub>2</sub> S <sup>2</sup>	Wind Speed	Wind Direction	Pressure	Air Temperature	Relative Humidity
MS-08	9	8/9/2022 1:00	0.034	2	234.5	29.02	68.9	51.3
MS-08	9	8/9/2022 2:00	0.035	1.75	240.5	29.02	67	55.7
MS-08	9	8/9/2022 3:00	0.032	2.21	246.7	29.02	68.3	53.1
MS-08	9	8/9/2022 4:00	0.032	1.5	235.8	29.02	68.6	54
MS-08	9	8/9/2022 5:00	0.031	1.38	234	29.02	67.8	54.5
MS-08	9	8/9/2022 6:00	0.031	1.31	240.8	29.04	69.3	52.3
MS-08	9	8/9/2022 7:00	0.03	0.84	217	29.05	74.3	46.7
MS-08	9	8/9/2022 8:00	0.026	1.22	136.7	29.05	79.9	39.7
MS-08	10	8/11/2022 7:00	0.024	1.44	226	29.11	66.1	45.1
MS-08	10	8/11/2022 8:00	0.032	1.65	64.4	29.12	75.4	36
MS-08	10	8/11/2022 9:00	0.019	1.82	72.8	29.11	83	28.3
MS-08	11	8/12/2022 13:00	0.000	4.43	253	29	98.8	15.7
MS-08	11	8/12/2022 14:00	0.044	4.77	255.5	28.98	99	17.8
MS-08	11	8/12/2022 15:00	0.055	4.47	231.6	28.97	98	18.7
MS-08	11	8/12/2022 16:00	0.038	4.43	229.2	28.96	96.7	18
MS-08	11	8/12/2022 17:00	0.01	3.56	259.5	28.96	95.2	17.5
MS-08	11	8/12/2022 18:00	0.014	3.32	262.1	28.96	91.6	19.1
MS-08	11	8/12/2022 19:00	0.046	2.56	238.1	28.97	86.3	24.7
MS-12	11	8/12/2022 19:00	0.018	1.92	203.6	29.04	86.8	24.6
MS-08	11	8/12/2022 20:00	0.104	2.12	236.4	28.99	81.5	33.1
MS-12	11	8/12/2022 20:00	0.037	1.07	341.6	29.06	81	32.4
MS-08	11	8/12/2022 21:00	0.106	1.84	237.1	29.01	76.3	37.7
MS-12	11	8/12/2022 21:00	0.04	1.35	33.3	29.08	76.8	38.9
MS-08	11	8/12/2022 22:00	0.097	2.06	249.2	29.02	72.9	40
MS-12	11	8/12/2022 22:00	0.038	1.98	344.9	29.09	74.1	39.3
MS-08	11	8/12/2022 23:00	0.089	1.99	238.2	29.02	70.4	41.8
MS-12	11	8/12/2022 23:00	0.033	2.77	353.1	29.1	73.1	38.2
MS-08	11	8/13/2022 0:00	0.077	2.1	241.5	29.03	69	42.7
MS-12	11	8/13/2022 0:00	0.032	2.47	345.1	29.1	71.1	39.9
MS-08	11	8/13/2022 1:00	0.075	1.88	239.1	29.03	67.9	44.2
MS-12	11	8/13/2022 1:00	0.03	1.99	327.1	29.1	68.6	42.5
MS-08	11	8/13/2022 2:00	0.072	1.82	240.2	29.03	66.2	45.9
MS-12	11	8/13/2022 2:00	0.028	1.28	333.1	29.11	66.9	44.9
MS-08	11	8/13/2022 3:00	0.068	1.74	238.2	29.03	64.4	48.1
MS-08	11	8/13/2022 4:00	0.06	2.23	246.5	29.04	63.4	49.5
MS-08	11	8/13/2022 5:00	0.061	1.49	224	29.05	62.9	51.2
MS-08	11	8/13/2022 6:00	0.058	1.58	242.5	29.06	62.3	51.8
MS-08	11	8/13/2022 7:00	0.063	1.51	269.7	29.06	66.9	47.2
MS-08	11	8/13/2022 8:00	0.051	1.7	134.4	29.06	75.7	35.9
MS-08	11	8/13/2022 9:00	0.035	1.74	67.9	29.05	84.4	27.5
MS-08	11	8/13/2022 10:00	0.025	1.93	58.8	29.04	92.1	22.4
MS-08	12	8/13/2022 13:00	0.029	4.51	250.6	29	100.1	19
MS-08	12	8/13/2022 14:00	0.05	4.63	266	28.99	99.4	20.7
MS-08	12	8/13/2022 15:00	0.053	4.71	260.4	28.99	98.6	21.7
MS-08	12	8/13/2022 16:00	0.059	4.73	230.4	28.98	97.1	23.4
MS-08	12	8/13/2022 17:00	0.041	4.35	243.3	28.97	95.4	22.2
MS-08	12	8/13/2022 18:00	0.007	3.68	230.3	28.97	92.3	21.8
MS-08	13	8/14/2022 14:00	0.006	4.34	241.5	28.96	98.4	18.6
MS-08	13	8/14/2022 15:00	0.048	4.41	243.5	28.95	97.1	21.4
MS-08	13	8/14/2022 16:00	0.000	3.81	239.1	28.94	96.3	18
MS-08	14	8/15/2022 6:00	0.015	1.71	244.1	28.97	60	47.4
MS-08	14	8/15/2022 7:00	0.039	1.54	250.6	28.97	64	45.1
MS-08	14	8/15/2022 8:00	0.043	1.14	161.3	28.96	74.2	34.3
MS-08	14	8/15/2022 9:00	0.015	1.96	75.8	28.95	83.5	25
MS-08	15	8/15/2022 12:00	0.028	4.32	244.4	28.92	98	18.3
MS-08	15	8/15/2022 13:00	0.06	4.41	229.4	28.91	98.3	19.8
MS-08	15	8/15/2022 14:00	0.072	4.55	251.3	28.89	98.7	20.4
MS-08	15	8/15/2022 15:00	0.092	4.64	244.7	28.88	97.7	22.5

**Table A-1**  
**1-Hour Average H<sub>2</sub>S Community Monitoring Station Data**

Monitoring Station	Event # <sup>1</sup>	Date/Time	H <sub>2</sub> S <sup>2</sup>	Wind Speed	Wind Direction	Pressure	Air Temperature	Relative Humidity
MS-08	15	8/15/2022 16:00	0.073	4.75	239.5	28.87	95.8	22
MS-08	15	8/15/2022 17:00	0.067	4.36	249.8	28.88	92.5	23.4
MS-08	15	8/15/2022 18:00	0.067	3.83	236	28.88	89.3	25.8
MS-08	15	8/15/2022 19:00	0.062	2.48	251	28.89	85.3	27.9
MS-08	15	8/15/2022 20:00	0.062	1.76	228	28.91	80.1	32.2
MS-08	15	8/15/2022 21:00	0.076	1.36	212.8	28.93	74.8	40
MS-08	15	8/15/2022 22:00	0.073	1.96	230.2	28.94	70.5	44.4
MS-08	15	8/15/2022 23:00	0.054	2.46	244.4	28.94	68.3	43.9
MS-08	15	8/16/2022 0:00	0.045	2.53	246.1	28.94	67	45.1
MS-08	15	8/16/2022 1:00	0.049	1.36	236	28.93	65.6	48.1
MS-08	15	8/16/2022 2:00	0.037	2.16	243.5	28.93	64.2	48.3
MS-08	15	8/16/2022 3:00	0.032	2.04	243.3	28.93	63.9	48.7
MS-08	15	8/16/2022 4:00	0.032	1.81	240.6	28.92	62.7	50.4
MS-08	15	8/16/2022 5:00	0.028	1.63	242.9	28.92	61	52.8
MS-08	15	8/16/2022 6:00	0.021	2.13	250.7	28.93	61.3	52
MS-08	15	8/16/2022 7:00	0.038	1	236.2	28.93	65.7	48.5
MS-08	15	8/16/2022 8:00	0.029	1.04	154.2	28.92	75.2	36.2
MS-08	15	8/16/2022 9:00	0.027	2.15	47.9	28.92	83.5	29.2
MS-08	15	8/16/2022 10:00	0.031	1.97	66.4	28.91	89.3	25.8
MS-08	15	8/16/2022 11:00	0.026	3.25	322.4	28.91	94.9	22.3
MS-08	16	8/16/2022 13:00	0.016	3.86	254.1	28.89	97.8	20.4
MS-08	16	8/16/2022 14:00	0.034	4.44	240.6	28.88	97.2	22
MS-08	16	8/16/2022 15:00	0.032	4.32	230.7	28.87	97.3	21.3
MS-08	16	8/16/2022 16:00	0.008	4.28	233.4	28.86	97.5	19.5
MS-08	17	8/16/2022 19:00	0.000	3.02	252.3	28.89	86.9	25.5
MS-08	17	8/16/2022 20:00	0.037	1.82	241.3	28.91	81.8	31.7
MS-08	17	8/16/2022 21:00	0.051	1.05	92.3	28.93	76.2	39.7
MS-08	17	8/16/2022 22:00	0.053	1.36	197.5	28.95	71.7	44.5
MS-08	17	8/16/2022 23:00	0.03	1.82	242.2	28.96	69.7	42.7
MS-08	17	8/17/2022 0:00	0.032	1.59	222.8	28.96	70.3	42.2
MS-08	17	8/17/2022 1:00	0.039	2.22	242.9	28.96	67	45.6
MS-08	17	8/17/2022 2:00	0.032	1.49	234.3	28.96	65.4	47.6
MS-08	17	8/17/2022 3:00	0.024	2.09	244.8	28.97	64.2	49
MS-08	18	8/17/2022 20:00	0.000	2.77	258.3	28.97	81.9	27
MS-08	18	8/17/2022 21:00	0.031	1.43	221.8	29	77.2	33.1
MS-08	18	8/17/2022 22:00	0.071	1.42	174.7	29.01	72.4	45.2
MS-08	18	8/17/2022 23:00	0.051	1.71	230	29.02	69.3	42.4
MS-08	18	8/18/2022 0:00	0.044	1.45	223.3	29.02	67.3	44.5
MS-08	18	8/18/2022 1:00	0.039	2	239.6	29.02	65.7	45.7
MS-08	18	8/18/2022 2:00	0.045	1.96	244.4	29.02	64.7	47.3
MS-08	18	8/18/2022 3:00	0.048	1.87	240.5	29.02	64.3	48.9
MS-08	18	8/18/2022 4:00	0.037	1.76	241.7	29.02	63.1	48.6
MS-08	18	8/18/2022 5:00	0.032	1.88	239.7	29.01	61.7	49.8
MS-08	18	8/18/2022 6:00	0.024	2.05	245.8	29.02	61.2	49.6
MS-08	18	8/18/2022 7:00	0.033	1.42	223.3	29.03	64.1	47.7
MS-08	18	8/18/2022 8:00	0.023	1.04	91	29.03	72.3	36.8
MS-08	19	8/18/2022 11:00	0.008	4.27	215.9	29	91.6	22.1
MS-08	19	8/18/2022 12:00	0.054	4.47	227.6	28.98	93.5	24.4
MS-08	19	8/18/2022 13:00	0.073	4.77	226.7	28.96	94.4	25.9
MS-08	19	8/18/2022 14:00	0.075	5.69	225	28.95	93	27.4
MS-08	19	8/18/2022 15:00	0.075	5.01	238.1	28.93	91.7	28.1
MS-08	19	8/18/2022 16:00	0.069	4.02	242.7	28.92	91.1	27.9
MS-08	19	8/18/2022 17:00	0.073	3.81	273.9	28.92	88.6	31.2
MS-08	19	8/18/2022 18:00	0.072	2.94	262.9	28.92	85.5	34.7
MS-08	19	8/18/2022 19:00	0.064	2.36	247.5	28.93	80.8	37.2
MS-08	19	8/18/2022 20:00	0.065	1.15	146.9	28.94	76.3	43.4
MS-08	19	8/18/2022 21:00	0.067	1.02	110.8	28.96	71	53.1
MS-08	19	8/18/2022 22:00	0.058	1.77	223.5	28.96	68.1	54

**Table A-1**  
**1-Hour Average H<sub>2</sub>S Community Monitoring Station Data**

Monitoring Station	Event # <sup>1</sup>	Date/Time	H <sub>2</sub> S <sup>2</sup>	Wind Speed	Wind Direction	Pressure	Air Temperature	Relative Humidity
MS-08	19	8/18/2022 23:00	0.053	1.17	194.6	28.96	66.8	54.9
MS-08	19	8/19/2022 0:00	0.048	1.88	227.7	28.96	64.6	57.3
MS-08	19	8/19/2022 1:00	0.045	1.26	211	28.96	63.5	59.6
MS-08	19	8/19/2022 2:00	0.043	1.94	231.4	28.94	61.9	62.4
MS-08	19	8/19/2022 3:00	0.038	1.9	232.9	28.94	61.5	62.2
MS-08	19	8/19/2022 4:00	0.037	1.86	239	28.93	61.1	63.2
MS-08	19	8/19/2022 5:00	0.032	1.65	238.9	28.93	60.7	63.1
MS-08	19	8/19/2022 6:00	0.028	1.6	230.3	28.94	60.1	63.3
MS-08	19	8/19/2022 7:00	0.033	1.33	232.4	28.94	65.4	56.7
MS-08	19	8/19/2022 8:00	0.032	1.52	51.8	28.93	73.2	45.9
MS-08	19	8/19/2022 9:00	0.034	2.7	46.6	28.92	81.1	37.9
MS-08	19	8/19/2022 10:00	0.032	2.8	109.7	28.9	88.5	31.5
MS-08	19	8/19/2022 11:00	0.000	4.73	204.2	28.89	92.2	26.4
MS-08	20	9/1/2022 18:00	0.026	2.9	242	28.81	99	22.1
MS-08	20	9/1/2022 19:00	0.03	2.23	247	28.81	93.3	25.9
MS-08	20	9/1/2022 20:00	0.043	1.23	81.8	28.83	85.7	35.3
MS-08	20	9/1/2022 21:00	0.043	1.31	206.7	28.85	79.7	40.6
MS-08	20	9/1/2022 22:00	0.042	1.72	226.3	28.87	76.5	43.5
MS-08	20	9/1/2022 23:00	0.045	1.58	236.3	28.87	74.1	46.1
MS-08	20	9/2/2022 0:00	0.045	1.7	234.2	28.87	71.3	50.4
MS-08	20	9/2/2022 1:00	0.041	2.01	242.4	28.87	70.6	50
MS-08	20	9/2/2022 2:00	0.037	2.02	243.9	28.87	69.8	50.6
MS-08	20	9/2/2022 3:00	0.036	1.92	236.7	28.88	69.3	51.7
MS-08	20	9/2/2022 4:00	0.037	1.41	237	28.89	67.9	56.6
MS-08	20	9/2/2022 5:00	0.039	2.12	242.9	28.91	68.3	57.8
MS-08	20	9/2/2022 6:00	0.036	1.35	225.8	28.93	67.8	60.1
MS-08	20	9/2/2022 7:00	0.035	0.81	235.5	28.94	71.5	55.5
MS-08	20	9/2/2022 8:00	0.03	1.18	30.4	28.93	79.7	44.1
MS-08	20	9/2/2022 9:00	0.026	2.01	45.1	28.93	87.9	34.9
MS-08	21	9/12/2022 19:00	0.029	2.9	257.5	28.99	74.4	62.9
MS-08	21	9/12/2022 20:00	0.031	1.69	219.5	29	72.7	66.1
MS-08	21	9/12/2022 21:00	0.031	2.22	231	29.01	70.2	71.2
MS-08	21	9/12/2022 22:00	0.032	1.7	233.4	29.01	68.7	73.8
MS-08	21	9/12/2022 23:00	0.035	1.81	236	29.01	66.8	78
MS-08	21	9/13/2022 0:00	0.034	1.76	237.1	29	65.9	81.1
MS-08	21	9/13/2022 1:00	0.034	1.54	232.9	28.99	65.1	83.6
MS-08	21	9/13/2022 2:00	0.034	2.07	248.1	28.99	64.7	84.7
MS-08	21	9/13/2022 3:00	0.035	2	243.7	28.98	64.1	86.9
MS-08	21	9/13/2022 4:00	0.034	1.73	242.2	28.97	63.6	88.6
MS-08	21	9/13/2022 5:00	0.034	1.19	237.5	28.98	63	89.7
MS-08	21	9/13/2022 6:00	0.034	1.25	234.1	28.98	63.6	88.9
MS-08	21	9/13/2022 7:00	0.03	1.23	242.1	28.99	65.6	87
MS-08	21	9/13/2022 8:00	0.026	1.54	160	28.99	70.9	76.3
MS-08	22	9/13/2022 20:00	0.029	1.91	261.9	28.93	71.2	62.4
MS-08	22	9/13/2022 21:00	0.031	1.43	236.2	28.95	69.2	65.7
MS-08	22	9/13/2022 22:00	0.033	1.78	239.8	28.96	67	68.5
MS-08	22	9/13/2022 23:00	0.035	1.59	236.4	28.96	64.1	74.1
MS-08	22	9/14/2022 0:00	0.035	1.74	234.7	28.96	62	78.3
MS-08	22	9/14/2022 1:00	0.036	1.95	243.7	28.96	60.6	81.3
MS-08	22	9/14/2022 2:00	0.036	1.92	243.3	28.95	59.8	82.1
MS-08	22	9/14/2022 3:00	0.036	2.07	244.9	28.95	59	83.8
MS-08	22	9/14/2022 4:00	0.037	2.22	244.5	28.96	58	86.4
MS-08	22	9/14/2022 5:00	0.037	1.99	244.5	28.97	57.4	88.3
MS-08	22	9/14/2022 6:00	0.036	2.22	250.7	28.98	57.5	89.8
MS-08	22	9/14/2022 7:00	0.036	1.17	221.1	29	58.4	90
MS-08	22	9/14/2022 8:00	0.03	0.83	86.1	29.01	63.8	81.6
MS-08	22	9/14/2022 9:00	0.023	2.52	40.6	29.01	69.3	71.5
MS-08	23	9/23/2022 11:00	0.000	2.94	69.9	29.02	89.6	21.5

**Table A-1**  
**1-Hour Average H<sub>2</sub>S Community Monitoring Station Data**

Monitoring Station	Event # <sup>1</sup>	Date/Time	H <sub>2</sub> S <sup>2</sup>	Wind Speed	Wind Direction	Pressure	Air Temperature	Relative Humidity
MS-08	23	9/23/2022 12:00	0.056	4.21	73.2	29	91.9	29.8
MS-08	23	9/23/2022 13:00	0.049	4.33	53.5	28.98	93.7	26.3
MS-08	23	9/23/2022 14:00	0.039	4.64	303	28.97	93.9	24.7
MS-08	23	9/23/2022 15:00	0.047	3.9	240.3	28.96	93.7	26.3
MS-08	23	9/23/2022 16:00	0.041	3.66	234.1	28.96	91.5	27.2
MS-08	23	9/23/2022 17:00	0.031	3.39	254.1	28.97	89	27.3
MS-08	23	9/23/2022 18:00	0.013	3.89	248.2	28.99	83	29.9
MS-08	24	9/24/2022 7:00	0.024	1.42	245.5	29.11	59.6	57.6
MS-08	24	9/24/2022 8:00	0.041	1.21	273.7	29.12	69.1	46.4
MS-08	24	9/24/2022 9:00	0.021	1.5	49.9	29.13	79.5	32.2
MS-08	24	9/24/2022 10:00	0.000	2.19	40.2	29.12	86.1	26.2
MS-08	24	9/24/2022 11:00	0.055	2.74	36.4	29.11	90.8	27.9
MS-08	24	9/24/2022 12:00	0.046	3.41	301.5	29.09	93.9	24.6
MS-08	24	9/24/2022 13:00	0.042	3.52	251	29.08	95	23.7
MS-08	24	9/24/2022 14:00	0.046	4.14	263.3	29.07	94.2	24.6
MS-08	24	9/24/2022 15:00	0.023	4.39	247.1	29.06	92.5	23.9
MS-08	25	9/25/2022 6:00	0.025	1.74	255.3	29.11	59.5	55.9
MS-08	25	9/25/2022 7:00	0.043	1.77	251.8	29.12	60.5	57.8
MS-08	25	9/25/2022 8:00	0.069	1.28	249.7	29.12	70.3	48.5
MS-08	25	9/25/2022 9:00	0.077	1.76	57	29.12	80.6	37.9
MS-08	25	9/25/2022 10:00	0.064	2.5	54.9	29.1	86.9	30.6
MS-08	25	9/25/2022 11:00	0.066	3.33	250.2	29.09	92.3	26.9
MS-08	25	9/25/2022 12:00	0.062	3.69	242.8	29.07	94.1	25.4
MS-08	25	9/25/2022 13:00	0.072	4.28	250.7	29.04	95.2	26.8
MS-08	25	9/25/2022 14:00	0.076	4.84	229.4	29.02	94.7	29
MS-08	25	9/25/2022 15:00	0.07	5.31	216.3	29.01	93.7	28.6
MS-08	25	9/25/2022 16:00	0.057	5.48	231.1	29	91.8	27.7
MS-08	25	9/25/2022 17:00	0.006	4.85	252.6	29.01	89.2	24.1
MS-08	26	9/25/2022 21:00	0.029	1.15	238.1	29.05	70.5	48.4
MS-08	26	9/25/2022 22:00	0.038	2.42	254.7	29.05	67.6	51.1
MS-08	26	9/25/2022 23:00	0.03	2.33	249.8	29.05	66.6	50.4
MS-08	26	9/26/2022 0:00	0.025	1.96	252.3	29.04	65.6	50.6
MS-08	27	9/26/2022 6:00	0.017	2.01	257.2	29.02	59.7	60
MS-08	27	9/26/2022 7:00	0.032	1.67	250.3	29.03	61.5	60.9
MS-08	27	9/26/2022 8:00	0.057	1.33	246.3	29.04	70	52.5
MS-08	27	9/26/2022 9:00	0.046	2.13	51.8	29.03	81.6	36.9
MS-08	27	9/26/2022 10:00	0.045	2.24	59.1	29.02	89.4	30.1
MS-08	27	9/26/2022 11:00	0.039	3.27	225.5	29	96.1	24.8
MS-08	27	9/26/2022 12:00	0.035	5.06	215.2	28.99	96	24.7
MS-08	27	9/26/2022 13:00	0.044	4.63	234.5	28.97	96.6	25.9
MS-08	27	9/26/2022 14:00	0.047	4.69	250.8	28.95	97.1	25.9
MS-08	27	9/26/2022 15:00	0.04	4.78	249.9	28.94	96.5	25.3
MS-08	27	9/26/2022 16:00	0.042	4.95	240.3	28.94	94.6	27.1
MS-08	27	9/26/2022 17:00	0.035	4.85	242.5	28.94	91.5	28
MS-08	27	9/26/2022 18:00	0.034	3.26	259.7	28.94	87.4	31.4
MS-08	27	9/26/2022 19:00	0.041	1.85	235.4	28.95	83.6	36.1
MS-08	27	9/26/2022 20:00	0.041	1.29	225.5	28.96	78.2	42.1
MS-08	27	9/26/2022 21:00	0.039	1.76	240.3	28.98	73.1	48
MS-08	27	9/26/2022 22:00	0.036	1.92	251.2	28.99	71	49.7
MS-08	27	9/26/2022 23:00	0.033	2.26	255.7	28.99	68.9	52.1
MS-08	27	9/27/2022 0:00	0.034	1.92	255.5	28.99	67.7	54.2
MS-08	27	9/27/2022 1:00	0.03	1.76	251.8	28.98	66	56.2
MS-08	27	9/27/2022 2:00	0.025	2	257.5	28.98	64.8	56.7
MS-08	28	9/27/2022 7:00	0.024	2.02	256.6	29.01	62.9	61.5
MS-08	28	9/27/2022 8:00	0.032	1.32	218.3	29.01	72.8	48.5
MS-08	28	9/27/2022 9:00	0.024	1.47	83.6	29.01	83.5	34.8
MS-08	29	9/27/2022 18:00	0.028	2.58	247.3	28.94	88.1	32.5
MS-08	29	9/27/2022 19:00	0.032	1.29	221	28.95	82.3	38.5



**Table A-1**  
**1-Hour Average H<sub>2</sub>S Community Monitoring Station Data**

Monitoring Station	Event # <sup>1</sup>	Date/Time	H <sub>2</sub> S <sup>2</sup>	Wind Speed	Wind Direction	Pressure	Air Temperature	Relative Humidity
MS-08	29	9/27/2022 20:00	0.032	1.53	241.2	28.97	76	44.7
MS-08	29	9/27/2022 21:00	0.028	1.66	244.7	28.99	72.7	47.4
MS-08	30	9/27/2022 23:00	0.028	1.91	254.7	29	68.4	54
MS-08	30	9/28/2022 0:00	0.031	2.23	258	29	67.4	57
MS-08	30	9/28/2022 1:00	0.025	2.3	257.4	29.01	66.2	56.4
MS-08	31	9/28/2022 18:00	0.027	3.54	219.1	29	87.1	31.2
MS-08	31	9/28/2022 19:00	0.033	2.81	254.5	29.02	82.8	35.3
MS-08	31	9/28/2022 20:00	0.035	1.53	233.7	29.04	76.8	41.5
MS-08	31	9/28/2022 21:00	0.034	2.02	241.6	29.06	72.2	46.1
MS-08	31	9/28/2022 22:00	0.027	2.17	254.4	29.07	68.5	48.9
MS-08	31	9/28/2022 23:00	0.027	2.08	253.6	29.08	66.6	52.8
MS-08	31	9/29/2022 0:00	0.033	2.01	253.1	29.08	64.9	57.3
MS-08	31	9/29/2022 1:00	0.034	1.71	249.7	29.08	63.7	60.1
MS-08	31	9/29/2022 2:00	0.034	1.68	245	29.09	61.4	64.2
MS-08	31	9/29/2022 3:00	0.031	1.81	251.4	29.09	60.3	66.1
MS-08	31	9/29/2022 4:00	0.029	2.08	256.2	29.09	59.2	67.5
MS-08	32	9/29/2022 7:00	0.027	1.65	256	29.1	58.5	69.9
MS-08	32	9/29/2022 8:00	0.041	1.12	246.8	29.1	66.7	58.4
MS-08	32	9/29/2022 9:00	0.019	1.94	58.7	29.09	77.8	38
MS-08	33	9/30/2022 9:00	0.026	2.04	69.8	29	72.1	49
MS-08	33	9/30/2022 10:00	0.03	2.72	77.9	28.98	76.6	45.3
MS-08	33	9/30/2022 11:00	0.029	3.02	73.7	28.97	81.2	40.4
MS-08	34	9/30/2022 20:00	0.028	1.28	238.2	28.91	65.1	70.8
MS-08	34	9/30/2022 21:00	0.03	1.38	240.3	28.92	60.8	78
MS-08	34	9/30/2022 22:00	0.029	1.88	245.2	28.93	57.7	82.8

**Notes**

<sup>1</sup>Exceedance events are alternately highlighted to differentiate between each event. One or more monitoring stations may be included in a single exceedance event, based on the location of the station(s) in proximity to one another, wind speed, and wind direction.

<sup>2</sup>The 1-hour H<sub>2</sub>S reporting threshold is 0.03 ppm, based on the CAAQS threshold for H<sub>2</sub>S.

H<sub>2</sub>S - hydrogen sulfide

ppm - parts per million

mph - miles per hour

in. Hg. - inches Mercury

°F - degrees Fahrenheit

CAAQS - California Ambient Air Quality Standards



Table A-2

24-Hour Average PM<sub>2.5</sub> and PM<sub>10</sub> Community Monitoring Station Data

**Table A-2**  
**24-Hour Average PM<sub>2.5</sub> and PM<sub>10</sub> Community Monitoring Station Data**

Monitoring Station	Date/Time	PM <sub>2.5</sub> <sup>1</sup>	PM <sub>10</sub> <sup>1</sup>	Wind Speed	Wind Direction	Pressure	Air Temperature	Relative Humidity
		µg/m <sup>3</sup>	µg/m <sup>3</sup>	mph	°	in.Hg	°F	%
MS-07	7/5/2022 0:00	1.44	7.01	5.93	243.1	29.04	71.7	60.6
MS-07	7/6/2022 0:00	1.04	2.85	3.42	234	29.06	69.8	65.4
MS-07	7/7/2022 0:00	1.01	2.98	3.25	272.8	29.07	73.5	55.6
MS-07	7/8/2022 0:00	1.17	3.05	2.83	258	29.13	73.2	53.6
MS-07	7/9/2022 0:00	1.08	2.71	3.69	277.2	29.19	75.3	47.4
MS-07	7/10/2022 0:00	1.09	2.47	3.29	278.6	29.13	78.2	42.4
MS-07	7/11/2022 0:00	1.35	3.1	2.7	273.1	29.04	75.1	47.9
MS-07	7/12/2022 0:00	1.52	3.1	3.3	249.1	29.03	68.7	67.4
MS-07	7/13/2022 0:00	1.17	2.78	3.03	255.2	29.05	70.9	61.3
MS-07	7/14/2022 0:00	1.23	3.63	3.43	259.2	29.04	73.8	57.1
MS-07	7/15/2022 0:00	1.75	3.88	2.61	263.6	29.06	79.5	51
MS-07	7/16/2022 0:00	2.42	4.74	2.6	251.1	29.02	80.9	48.1
MS-07	7/17/2022 0:00	1.52	2.9	2.91	257.9	28.99	80.2	44.9
MS-07	7/18/2022 0:00	1.86	4.62	3	255.7	29.08	80.8	46.2
MS-07	7/19/2022 0:00	1.36	3.03	3.43	257.9	29.11	79.9	41.8
MS-07	7/20/2022 0:00	1.19	3.29	2.81	264.4	29.14	79.6	31.8
MS-07	7/21/2022 0:00	1.43	3.73	3.56	275.4	29.07	77.7	38
MS-07	7/22/2022 0:00	1.66	3.14	4.4	279.7	28.99	75.1	49.6
MS-07	7/23/2022 0:00	2.47	3.82	3.01	261.4	28.99	72.4	61.6
MS-07	7/24/2022 0:00	2.21	2.91	2.74	249.7	29.02	71.1	66.8
MS-07	7/25/2022 0:00	1.63	2.62	2.73	237.2	29.03	71.5	65
MS-07	7/26/2022 0:00	1.6	3.78	2.67	225.9	29.06	71.2	66
MS-07	7/27/2022 0:00	1.22	2.52	2.81	238.4	29.08	72.1	58.3
MS-07	7/28/2022 0:00	1.22	2.51	3.09	255	29.02	74.3	55.2
MS-07	7/29/2022 0:00	1.22	2.84	3.22	261.9	29.02	76.7	48.9
MS-07	7/30/2022 0:00	1.21	2.69	2.65	257.9	29.06	76.9	53.6
MS-07	7/31/2022 0:00	0.89	1.7	2.59	238.2	29.12	78.1	48.8
MS-07	8/1/2022 0:00	1.13	3.03	3.03	252.6	29.12	78.7	45.2
MS-07	8/2/2022 0:00	1.08	2.99	3.56	244	29.12	75.1	57.7
MS-07	8/3/2022 0:00	1.24	2.85	3	255	29.04	77	53.1
MS-07	8/4/2022 0:00	1.42	2.69	2.82	237.2	29.04	75.1	59.1
MS-07	8/5/2022 0:00	1.3	2.97	3.59	259.2	29.07	75.1	58
MS-07	8/6/2022 0:00	1.19	3.37	3.27	271.2	29.04	77.9	49.4
MS-07	8/7/2022 0:00	0.94	2.13	2.82	288.2	29.04	82.3	33.2
MS-07	8/8/2022 0:00	1.56	3.88	3.14	265.1	29.05	82.1	35
MS-07	8/9/2022 0:00	1.55	4.08	2.91	271.6	29.06	81.9	35.8
MS-07	8/10/2022 0:00	1.15	3.32	2.78	281.8	29.12	81.4	29.7
MS-07	8/11/2022 0:00	1.33	4.45	2.82	274.8	29.11	80.5	30
MS-07	8/12/2022 0:00	1.38	3.89	2.57	287.5	29.06	81.1	28.6
MS-07	8/13/2022 0:00	1.78	4.5	2.69	283.3	29.06	82.3	32.1
MS-07	8/14/2022 0:00	1.31	2.52	2.61	284.8	29.04	81	29.4
MS-07	8/15/2022 0:00	1.85	4.48	3.09	284.4	28.97	80.1	33.2
MS-07	8/16/2022 0:00	1.78	4.13	2.63	282.3	28.95	80.5	35.2
MS-07	8/17/2022 0:00	1.36	3.37	2.86	261.3	29.02	80.3	33.5
MS-07	8/18/2022 0:00	1.34	3.14	2.88	279	29.02	76.7	41.9
MS-07	8/19/2022 0:00	1.37	3.4	2.48	262.8	28.93	76.9	46.7
MS-07	8/20/2022 0:00	1.85	4.16	3.1	274.8	28.99	74.4	55.7
MS-07	8/21/2022 0:00	2.24	3	2.98	253.3	29.13	70.9	71.2
MS-07	8/22/2022 0:00	1.83	3	2.28	261.2	29.09	73.6	65.2
MS-07	8/23/2022 0:00	1.62	3.35	2.95	274.3	28.94	77.7	54.8
MS-07	8/24/2022 0:00	1.81	3.76	1.73	231.4	28.99	77.4	56.3
MS-07	8/25/2022 0:00	1.63	3.28	2.12	262.7	29.09	77.7	57.2
MS-07	8/26/2022 0:00	1.13	2.35	2.72	269.9	29.06	76.3	49.1
MS-07	8/28/2022 0:00	1.45	2.27	2.81	249	28.97	69.2	71.2
MS-07	8/29/2022 0:00	1.35	2.55	3.14	268.8	29.02	72.8	61
MS-07	8/30/2022 0:00	1.71	3.52	1.96	288	29.07	80	46.9
MS-07	8/31/2022 0:00	1.58	3.79	2.6	287.1	29.01	85.9	32.8
MS-07	9/1/2022 0:00	2.05	5.42	2.11	275.4	28.91	90.9	27.5
MS-07	9/2/2022 0:00	2.4	4.47	2.85	280.3	28.93	86	39.2
MS-07	9/3/2022 0:00	1.89	4.22	2.26	285.7	29	88	39.3
MS-07	9/4/2022 0:00	1.29	3.15	1	27.7	29.01	87.8	40.7
MS-07	9/5/2022 0:00	1.06	2.18	1.55	289.6	28.93	89.2	43.1
MS-07	9/6/2022 0:00	1.73	4.5	2.46	283.2	28.98	88.3	41.4
MS-07	9/7/2022 0:00	1.82	3.63	3.11	279.7	29.06	86.1	43.2
MS-07	9/8/2022 0:00	1.51	3.43	1.39	314.8	28.93	84	40.7

**Table A-2**  
**24-Hour Average PM<sub>2.5</sub> and PM<sub>10</sub> Community Monitoring Station Data**

Monitoring Station	Date/Time	PM <sub>2.5</sub> <sup>1</sup>	PM <sub>10</sub> <sup>1</sup>	Wind Speed	Wind Direction	Pressure	Air Temperature	Relative Humidity
MS-07	9/9/2022 0:00	1.94	6.06	0.41	220.3	28.75	83.9	44.5
MS-07	9/10/2022 0:00	0.82	1.12	1.16	255	29	74.8	78.1
MS-07	9/15/2022 0:00	1.54	2.21	3.17	279.1	29.07	67.1	67.7
MS-07	9/16/2022 0:00	1.92	3.72	3.37	285.9	29.03	68	64.7
MS-07	9/17/2022 0:00	2.22	3.1	3.21	263.7	28.94	65.7	71.5
MS-07	9/18/2022 0:00	1.6	1.99	3.37	246.3	28.94	66.2	69.2
MS-07	9/22/2022 0:00	0.8	2.33	1.53	314.6	29.07	69.6	47.6
MS-07	9/23/2022 0:00	0.99	2.9	0.95	312.3	29.06	73.5	41.9
MS-07	9/24/2022 0:00	1.07	2.92	2.13	297.6	29.13	76.3	38.2
MS-07	9/25/2022 0:00	0.83	1.44	2.56	296.3	29.11	77.2	40.8
MS-07	9/26/2022 0:00	1.13	2.68	2.45	284.2	29.04	79.3	41.5
MS-07	9/27/2022 0:00	1.29	3.72	1.98	312.5	29.02	81.2	39.6
MS-07	9/28/2022 0:00	1.29	3.16	2.59	307.8	29.06	80.6	37.4
MS-07	9/29/2022 0:00	1.56	3.45	2.19	286.3	29.08	74.8	47.8
MS-07	9/30/2022 0:00	1.72	2.65	1.55	264.2	28.99	68.4	62
MS-08	7/4/2022 0:00	1.45	2.26	N/A	N/A	N/A	N/A	N/A
MS-08	7/5/2022 0:00	1.77	2.7	N/A	N/A	N/A	N/A	N/A
MS-08	7/6/2022 0:00	0.82	1.51	N/A	N/A	N/A	N/A	N/A
MS-08	7/7/2022 0:00	0.79	1.89	N/A	N/A	N/A	N/A	N/A
MS-08	7/8/2022 0:00	1.1	2.91	2.82	256.4	29.1	80.2	41.7
MS-08	7/9/2022 0:00	0.76	1.71	2.6	237.2	29.15	75	45.6
MS-08	7/14/2022 0:00	1	2.47	2.13	223.8	29	75.6	48.9
MS-08	7/15/2022 0:00	1.57	5.16	1.83	225	29.02	80.4	48.7
MS-08	7/16/2022 0:00	1.8	3.1	1.75	231.2	28.98	82.1	45.7
MS-08	7/17/2022 0:00	1.21	2.16	1.65	232.2	28.95	81.1	42.5
MS-08	7/21/2022 0:00	1.08	2.22	2.11	230.1	29.03	77.8	37.6
MS-08	7/22/2022 0:00	1.47	2.79	2.29	219.7	28.95	75.8	47.4
MS-08	7/23/2022 0:00	2.11	3.3	1.85	227.9	28.95	73.7	57.2
MS-08	7/24/2022 0:00	1.88	2.47	1.4	228.1	28.97	73.1	61.9
MS-08	7/25/2022 0:00	1.6	3.02	1.48	230.6	28.99	73.7	59.2
MS-08	7/26/2022 0:00	1.27	2.3	0.92	222.9	29.02	73.4	59.3
MS-08	8/7/2022 0:00	0.75	1.7	2.2	254.1	29	80.9	34.2
MS-08	8/8/2022 0:00	1.29	3.14	2.33	241.5	29.01	81.5	35.1
MS-08	8/9/2022 0:00	1.03	1.91	2.39	237.1	29.02	81.7	34.5
MS-08	8/14/2022 0:00	1.01	1.89	2.01	245.7	29	79.9	29.2
MS-08	8/15/2022 0:00	1.28	2.55	2.31	241.3	28.93	79.3	32.4
MS-08	8/16/2022 0:00	1.26	2.22	1.89	240.6	28.91	79.8	34.7
MS-08	8/17/2022 0:00	0.98	1.99	2.14	234.5	28.97	80.1	31.7
MS-08	8/18/2022 0:00	2.04	6.16	1.95	233.3	28.98	77	38.9
MS-08	8/19/2022 0:00	1.13	2.87	2.11	216.2	28.89	77.5	43.3
MS-08	8/20/2022 0:00	1.35	2.38	1.77	247.9	28.95	75.1	53.3
MS-08	8/25/2022 0:00	1.2	1.9	1.66	229.4	29.05	78.5	52.9
MS-08	8/26/2022 0:00	1.57	3.83	2.11	235.8	29.02	76.4	47
MS-08	8/27/2022 0:00	0.81	1.51	1.86	231.5	28.95	74.4	51.4
MS-08	8/31/2022 0:00	1.06	2.13	2.33	237.9	28.97	84.4	33.9
MS-08	9/1/2022 0:00	1.61	3.1	1.82	232.9	28.87	90	28
MS-08	9/2/2022 0:00	2.16	3.95	1.82	242.4	28.89	85.2	40.2
MS-08	9/3/2022 0:00	1.45	2.57	1.82	254.2	28.96	86.9	40.4
MS-08	9/4/2022 0:00	1.08	2.44	0.43	275.6	28.97	86.2	42.8
MS-08	9/7/2022 0:00	1.34	2.46	2.11	247.1	29.02	85.2	43.4
MS-08	9/8/2022 0:00	1.32	2.69	1.23	239.7	28.89	82.3	42.8
MS-08	9/9/2022 0:00	1.37	3.24	0.41	253.2	28.71	82.5	47.6
MS-08	9/10/2022 0:00	0.75	0.91	0.2	158.9	28.96	75.3	76.9
MS-10	7/4/2022 0:00	1.9	2.42	N/A	N/A	N/A	N/A	N/A
MS-10	7/5/2022 0:00	2.07	2.66	N/A	N/A	N/A	N/A	N/A
MS-10	7/6/2022 0:00	0.86	1.35	N/A	N/A	N/A	N/A	N/A
MS-10	7/15/2022 0:00	1.58	2.46	2.41	225.3	N/A	78.9	59
MS-10	7/16/2022 0:00	2.09	2.85	2.74	227.4	N/A	81.8	47.8
MS-10	7/17/2022 0:00	1.31	1.89	2.71	232.2	N/A	80.8	45.4
MS-10	7/20/2022 0:00	1.2	2.15	2.46	234.2	N/A	78	41.4
MS-10	7/21/2022 0:00	1.52	2.66	2.44	236.1	N/A	76.6	47.7
MS-10	7/22/2022 0:00	1.73	2.65	2.96	233.9	N/A	75	57.4
MS-10	7/23/2022 0:00	2.3	3.05	2.77	225.7	N/A	74	60.4
MS-10	7/24/2022 0:00	1.92	2.24	2.56	226	N/A	73.3	63.6
MS-10	8/8/2022 0:00	1.44	2.31	2.4	233.2	97.92	80.2	47.7
MS-10	8/9/2022 0:00	1.57	2.76	2.18	231.8	24.77	80.1	49

**Table A-2  
24-Hour Average PM<sub>2.5</sub> and PM<sub>10</sub> Community Monitoring Station Data**

Monitoring Station	Date/Time	PM <sub>2.5</sub> <sup>1</sup>	PM <sub>10</sub> <sup>1</sup>	Wind Speed	Wind Direction	Pressure	Air Temperature	Relative Humidity
MS-10	8/10/2022 0:00	1.15	2.18	2.01	246.5	9.74	79.7	38.3
MS-10	8/14/2022 0:00	1.28	1.85	2.03	233.2	N/A	80.6	31.6
MS-10	8/15/2022 0:00	1.73	2.64	1.84	240.3	N/A	79.5	38.2
MS-10	8/16/2022 0:00	1.71	2.63	1.79	244.8	N/A	79.6	41.4
MS-10	8/17/2022 0:00	1.49	2.35	2.2	237.1	N/A	79.7	39.7
MS-10	8/18/2022 0:00	1.72	2.75	2.27	234.7	N/A	77.3	43.2
MS-10	8/19/2022 0:00	1.34	2.36	2.91	225.2	N/A	77.7	47.9
MS-10	8/31/2022 0:00	1.54	2.27	2.16	242	N/A	85.1	38.6
MS-10	9/1/2022 0:00	1.96	2.98	2.04	234.1	N/A	89.9	32.3
MS-10	9/2/2022 0:00	2.21	2.97	1.75	234.7	N/A	85.8	42.4
MS-10	9/3/2022 0:00	1.58	2.3	1.87	244.7	N/A	87.6	41.6
MS-10	9/8/2022 0:00	1.39	2.04	0.7	227.7	N/A	82.7	46.4
MS-10	9/9/2022 0:00	1.59	2.84	1	210	N/A	82.8	49.4
MS-10	9/10/2022 0:00	0.8	0.91	0.63	199.7	N/A	75.7	77.3
MS-11	7/15/2022 0:00	1.43	2.4	2.06	253.1	28.79	79.8	51.4
MS-11	7/16/2022 0:00	1.78	2.74	1.81	258	28.75	82.5	47.2
MS-11	7/17/2022 0:00	1.38	2.25	1.69	271.9	28.72	80.9	46.2
MS-11	7/21/2022 0:00	1.18	2.29	1.76	265.6	28.8	78.3	38.8
MS-11	7/22/2022 0:00	1.54	2.51	2.61	244.7	28.72	75.9	50.5
MS-11	7/23/2022 0:00	2.01	2.6	2.17	258	28.72	73.6	60.7
MS-11	7/24/2022 0:00	1.87	2.27	1.94	279.3	28.75	73.4	64.3
MS-11	9/1/2022 0:00	1.47	2.38	1.29	234.6	28.64	92.9	25.8
MS-11	9/2/2022 0:00	1.89	2.59	0.73	277.5	28.66	86.7	40
MS-11	9/3/2022 0:00	1.49	2.26	0.86	241.4	28.73	88.3	40.5
MS-11	9/8/2022 0:00	1.19	1.81	1.16	158.1	28.66	83.4	43.6
MS-11	9/9/2022 0:00	1.22	2.5	3.01	124.2	28.48	83.3	45
MS-11	9/10/2022 0:00	0.74	0.92	0.78	213.9	28.73	74.2	79.9
MS-11	9/11/2022 0:00	0.77	0.88	0.82	203.9	28.85	76.8	72.8
MS-11	9/12/2022 0:00	1	4.26	2.01	271.5	28.81	74.5	74.2
MS-11	9/13/2022 0:00	1.15	1.43	1.69	212.6	28.72	72.7	66.8
MS-12	7/10/2022 0:00	0.5	0.97	1.17	279.3	29.17	78.5	41.7
MS-12	7/11/2022 0:00	0.99	4.68	1.18	219.7	29.08	75.8	46.7
MS-12	7/12/2022 0:00	0.57	1.12	2.2	209.2	29.07	70.8	63.6

**Notes**

<sup>1</sup>The 24-hour average reporting threshold for PM<sub>2.5</sub> and PM<sub>10</sub> is 2.5 µg/m<sup>3</sup>, based on the FEIR significance threshold.

PM<sub>2.5</sub> - particulate matter with an aerodynamic diameter of 2.5 micrometers or less

PM<sub>10</sub> - particulate matter with an aerodynamic diameter of 10 micrometers or less

µg/m<sup>3</sup> - micrograms per cubic meter

mph - miles per hour

in. Hg. - inches Mercury

°F - degrees Fahrenheit

FEIR - Final Environmental Impact Report



Table A-3

2-Hour Average PM<sub>2.5</sub> and PM<sub>10</sub> Community Monitoring Station Data

**Table A-3  
24-Hour Average PM<sub>2.5</sub> and PM<sub>10</sub> Community Monitoring Station Data**

Monitoring Station	Date/Time	PM <sub>2.5</sub> <sup>1</sup>	PM <sub>10</sub> <sup>1</sup>	Wind Speed	Wind Direction	Pressure	Air Temperature	Relative Humidity
		µg/m <sup>3</sup>	µg/m <sup>3</sup>	mph	°	in.Hg	(°F)	%
MS-08	7/15/2022 6:00	1.35	2.91	0.03	134.4	29.04	67.3	65.4
MS-08	7/15/2022 8:00	3.89	32.91	1.99	71.4	29.05	80.1	47.1
MS-08	7/15/2022 10:00	1.21	3.56	1.91	176.7	29.03	92	34.4
MS-08	8/18/2022 8:00	6.07	16.84	1.3	60.6	29.02	77.2	31.9
MS-08	8/18/2022 10:00	7.62	32.96	1.13	187.8	29	90.2	22.6
MS-08	8/18/2022 12:00	1.46	4.49	4.62	227.1	28.97	94	25.1
MS-11	9/12/2022 0:00	1.08	7.77	2.43	243.3	28.85	68.8	92.4
MS-11	9/12/2022 2:00	2.38	29.74	1.51	215	28.84	68.1	92.3
MS-11	9/12/2022 4:00	0.78	3.08	0.52	298.6	28.84	68.8	92.1
MS-12	7/11/2022 20:00	2.44	19.55	2.53	156.9	29.06	71.3	57.2
MS-12	7/11/2022 22:00	3.48	26.23	2.14	171.3	29.1	61.3	78.8
MS-12	7/12/2022 0:00	0.98	3.27	1.99	175.4	29.1	57.5	87.9

**Notes**

<sup>1</sup>The 2-hour average reporting threshold for PM<sub>2.5</sub> and PM<sub>10</sub> is 25 µg/m<sup>3</sup>, based on the SCAQMD Rule 1466 threshold for PM.

PM<sub>2.5</sub> - particulate matter with an aerodynamic diameter of 2.5 micrometers or less

PM<sub>10</sub> - particulate matter with an aerodynamic diameter of 10 micrometers or less


µg/m<sup>3</sup> - micrograms per cubic meter

mph - miles per hour

in. Hg. - inches Mercury

°F - degrees Fahrenheit

SCAQMD - South Coast Air Quality Management District




## Appendix B

### Third Quarter 2022 Community Air Monitoring Station Monitoring Data (1-Hour Averages)



Since the continuous monitoring data presented in this report includes only exceedance events, the complete 1-hour data set is included as a separate, linked attachment. The one-hour continuous monitoring data for the off-site air monitoring stations (MS-06 through MS-12) referenced in this quarterly report can be accessed on the Los Angeles Department of Regional Planning website for the Chiquita Canyon Landfill Community Advisory Committee:

<https://planning.lacounty.gov/agenda/cclcac>



## Appendix C

### Third Quarter 2022 Community Air Monitoring Station Reporting Thresholds and Air Sampling Results




Table C-1  
Discrete Sampling Reporting Thresholds

**Table C-1  
Discrete Sampling Reporting Thresholds**

<b>Compound<sup>1</sup></b>	<b>CAS No.</b>	<b>REL in µg/m<sup>3</sup><sup>2</sup></b>
Benzene	71-43-2	27
Benzyl chloride	100-44-7	240
Chlorobenzene	108-90-7	1000
1,2-Dibromoethane	106-93-4	0.8
Dichlorobenzenes <sup>3</sup>	106-46-7	800
1,1-Dichloroethane	75-34-3	N/A
1,2-Dichloroethane	106-06-2	4002
1,1-Dichloroethene	75-35-4	70
Dichloromethane	75-09-2	14,000
Hydrogen Sulfide	6/4/7783	423
Tetrachloroethene	128-18-4	20,000
Tetrachloromethane	56-23-5	1,900
Toluene	108-88-3	5,000
1,1,1-Trichloroethane	71-55-6	68,000
Trichloroethene	79-01-6	6004
Vinyl chloride	75-01-4	180,000
Xylenes	1330-20-7	22,000

**Notes**

<sup>1</sup> List of compounds from SCAQMD Rule 1150.1, Table 1 Toxic Air Contaminant List

<sup>2</sup> RELs based on OEHHA REL for Acute Hazard Index Target Organ Systems (Table 6.1 from the February 2015 Air Toxics Hot Spots Program Guidance Manual).

<sup>3</sup> Includes meta, para, and ortho isomers. Para CAS used for REL.

<sup>4</sup> Based on CAAQS

CAAQS - California Ambient Air Quality Standards

CAS - Chemical Abstracts Service Chemical Registry Number

OEHHA - California Office of Health Hazard Assessment

REL - Reference Exposure Levels

SCAQMD - South Coast Air Quality Management District

µg/m<sup>3</sup> - micrograms per cubic meter




Table C-2  
Community Monitoring Station Discrete Sampling Exceedances

**Table C-2**  
**Third Quarter Off-Site Air Sampling Results**

Monitoring Station	Date/Time of Sample	SCAQMD Rule 1150.1 Table 1 Compounds & CAS Numbers <sup>1</sup>				
		benzene 71-43-2	carbon tetrachloride 56-23-5	toluene 108-88-3	m+p-xylenes 179601-23-1	o-xylenes 95-47-6
		ppbv				
MS-07	8/25/2022 11:39	<b>0.71</b>	<0.20	<b>0.41</b>	<b>0.42</b>	<0.30
MS-08	8/25/2022 12:10	<b>0.71</b>	<0.20	<b>1.61</b>	<b>0.46</b>	<0.30
MS-12	8/25/2022 11:58	<b>0.88</b>	<0.20	<b>0.74</b>	<b>0.64</b>	<b>0.36</b>
MS-09	9/19/2022 13:05	<b>0.47</b>	<b>0.17</b>	<b>0.29</b>	<b>0.62</b>	<b>0.3</b>
MS-10	9/19/2022 13:20	<b>0.46</b>	<b>0.16</b>	<b>0.32</b>	<b>0.32</b>	<b>0.15</b>
MS-11	9/19/2022 13:53	<b>0.76</b>	<b>0.18</b>	<b>0.31</b>	<b>0.28</b>	<b>0.12</b>

**Notes**

<sup>1</sup>The toxic air contaminants analyzed include SCAQMD Rule 1150.1, Table 1 constituents. The discrete air sampling reporting thresholds are based on the OEHHA RELs for Acute Hazard Index Target Organ Systems (Table 6.1 from the February 2015 Air Toxics Hot Spots Program Guidance Manual). Detections above the reporting thresholds are shown as **bold text**.

CAS - Chemical Abstract Service Chemical Number

OEHHA - California Office of Environmental Health Hazard Assessment

ppbv - parts per billion by volume

REL - Reference Exposure Level

SCAQMD - South Coast Air Quality Management District



## Third Quarter 2022 Discrete Sampling Lab Reports



LABORATORY ANALYSIS REPORT

SCAQMD Rule 1150.1 Components Analysis in Ambient Air Tedlar Bag Samples

Report Date: November 21, 2022  
Client: SCS Engineers  
Project Name: CCL Camp (Off-Site)  
Project No.: 01204123.19 T7  
Date Received: August 25, 2022  
Date Analyzed: August 25 & 26, 2022

AtmAA Lab No.:	22372-6	22372-7	22372-8
Sample I.D.:	MS-07	MS-08	MS-12
Bag I.D.:	MS-07	MS-08	MS-12
Components	(Concentration in ppbv)		
Hydrogen sulfide	<40	<40	<40
Benzene	0.71	0.71	0.88
Benzyl chloride	<0.30	<0.30	<0.30
Chlorobenzene	<0.30	<0.30	<0.30
Dichlorobenzenes*	<0.50	<0.50	<0.50
1,1-dichloroethane	<0.30	<0.30	<0.30
1,2-dichloroethane	<0.30	<0.30	<0.30
1,1-dichloroethylene	<0.30	<0.30	<0.30
Dichloromethane	<0.30	<0.30	<0.30
1,2-dibromoethane	<0.20	<0.20	<0.20
Perchloroethylene	<0.20	<0.20	<0.20
Carbon tetrachloride	<0.20	<0.20	<0.20
Toluene	0.41	1.61	0.74
1,1,1-trichloroethane	<0.20	<0.20	<0.20
Trichloroethene	<0.20	<0.20	<0.20
Chloroform	<0.20	<0.20	<0.20
Vinyl chloride	<0.20	<0.20	<0.20
m+p-xylenes	0.42	0.46	0.64
o-xylene	<0.30	<0.30	0.36

\* total amount containing meta, para, and ortho isomers

Brian W. Fung  
Laboratory Director



### CHAIN OF CUSTODY RECORD

SCS ENGINEERS						TOTAL NUMBER OF SAMPLES: 3	ANALYSES REQUESTED								LAB USE ONLY	
3900 Kilroy Airport Way, Suite 100 Long Beach, California 90806-6816 Phone 562 426-9544 Fax 562 427-0805						PAGE 1 OF 1	10-15 307.91									
PROJECT NUMBER: 01204123-19 T7						TURNAROUND TIME REQUIRED: <input checked="" type="checkbox"/> Std. <input type="checkbox"/> 3-Day <input type="checkbox"/> 24-Hr. <input type="checkbox"/> Other										
PROJECT NAME: CCL CAMP (OFF-SITE)						PROJECT MANAGER: RAY HUFF										
PROJECT LOCATION: 29201 HENRY MAYO DR, CASTAIC, CA 91384						W.O./S.O. #:										
SAMPLER NAME AND SIGNATURE: STIPE MARKOTIC <i>[Signature]</i>																
I.D. NUMBER	SAMPLE DESIGNATION	SAMPLE MATRIX	DATE/TIME COLLECTED	CONTAINER SIZE/TYPE	SAMPLE PRESERVATIVE	SPECIAL INSTRUCTIONS/COMMENTS										
MS-07	MS-07	AIR	8/25 11:39	1L TEOLAR			↓									
MS-08	MS-08	AIR	8/25 12:10	1L TEOLAR			↓									
MS-12	MS-12	AIR	8/25 11:58	1L TEOLAR			↓									
NOTES: CONTAINS AMBIENT AIR SAMPLES											SAMPLE CONDITION UPON RECEIPT:					
RELINQUISHED BY: STIPE MARKOTIC			ACCEPTED BY:			RELINQUISHED BY: <i>[Signature]</i>			ACCEPTED BY: <i>[Signature]</i>							
DATE: 8/25/22			DATE:			DATE: 8/25/22			DATE: 8/25/22							
TIME: 1:34			TIME:			TIME:			TIME: 13:34							
COMPANY: SCS ENGINEERS			COMPANY:			COMPANY: SCS ENGINEERS			COMPANY: SCS ENGINEERS							



LABORATORY ANALYSIS REPORT

SCAQMD Rule 1150.1 Components Analysis in Ambient Air Tedlar Bag Samples

Report Date: November 21, 2022  
Client: SCS Engineers  
Project Name: CCL Camp (Off-Site)  
Project No.: 01204123.19 Task 7  
Date Received: September 19, 2022  
Date Analyzed: September 19-21, 2022

AtmAA Lab No.:	22622-5	22622-6	22622-7
Sample I.D.:	MS-11	MS-09	MS-10
Bag I.D.:	MS-11	MS-09	MS-10
Components	(Concentration in ppbv)		
Hydrogen sulfide	<30	<30	<30
Benzene	0.76	0.47	0.46
Benzyl chloride	<0.15	<0.15	<0.15
Chlorobenzene	<0.15	<0.15	<0.15
Dichlorobenzenes*	<0.30	<0.30	<0.30
1,1-dichloroethane	<0.15	<0.15	<0.15
1,2-dichloroethane	<0.15	<0.15	<0.15
1,1-dichloroethylene	<0.15	<0.15	<0.15
Dichloromethane	<0.30	<0.30	<0.30
1,2-dibromoethane	<0.10	<0.10	<0.10
Perchloroethylene	<0.10	<0.10	<0.10
Carbon tetrachloride	0.18	0.17	0.16
Toluene	0.31	0.29	0.32
1,1,1-trichloroethane	<0.10	<0.10	<0.10
Trichloroethene	<0.10	<0.10	<0.10
Chloroform	<0.10	<0.10	<0.10
Vinyl chloride	<0.10	<0.10	<0.10
m+p-xylenes	0.28	0.62	0.32
o-xylene	0.12	0.30	0.15

\* total amount containing meta, para, and ortho isomers

  
\_\_\_\_\_  
Brian W. Fung  
Laboratory Director

### CHAIN OF CUSTODY RECORD

SCS ENGINEERS				TOTAL NUMBER OF SAMPLES: 3		ANALYSES REQUESTED				LAB USE ONLY
3900 Kilroy Airport Way, Suite 100 Long Beach, California 90806-6816 Phone 562 426-9544 Fax 562 427-0805				PAGE 1 OF 1		<div style="display: flex; justify-content: space-around; font-size: 2em;"> <span>10-15</span> <span>307.91</span> </div>				22622-
PROJECT NUMBER: 01204123.19 T7				TURNAROUND TIME REQUIRED: <input checked="" type="checkbox"/> Std. <input type="checkbox"/> 3-Day <input type="checkbox"/> 24-Hr. <input type="checkbox"/> Other						
PROJECT NAME: CCL CAMP (OFF-SITE)				PROJECT MANAGER: KATHLEEN BERESH						
PROJECT LOCATION: 29201 HENRY MAYO DR, CASTAIC, CA 91384				W.O. / S.O. #:						
SAMPLER NAME AND SIGNATURE: STIPE MARKOTIC, <i>[Signature]</i>										
I.D. NUMBER	SAMPLE DESIGNATION	SAMPLE MATRIX	DATE/TIME COLLECTED	CONTAINER SIZE/TYPE	SAMPLE PRESERVATIVE	SPECIAL INSTRUCTIONS/COMMENTS				
MS-11	MS-11	AIR	9/19 1:53	1L TEGAN BAG						-5
MS-09	MS-09	AIR	9/19 1:05	↓						-6
MS-10	MS-10	AIR	9/19 1:20	↓						-7
NOTES:										SAMPLE CONDITION UPON RECEIPT:
RELINQUISHED BY: STIPE MARKOTIC	DATE: 9/19/22	ACCEPTED BY:	DATE:	RELINQUISHED BY:	DATE:	ACCEPTED BY: <i>[Signature]</i>	DATE: 9/19/22			
COMPANY: SCS ENGINEERS	TIME: 3:33	COMPANY:	TIME:	COMPANY:	TIME:	COMPANY: <i>[Signature]</i>	TIME: 15:33			