Air Monitoring Summary Tables

The table below summarize monitoring data collected on using EPA's Viper wireless remote monitoring system.

Project Name: H₂S in South and North Carolina

The monitoring station at Bridgemill did not collect data from 3:05 to 11:21 due to equipment outages

From: 6/1/21 To: 6/1/21 12:01 AM 11:59 PM



liam-Lytle Place		Action Louis	November of	Nomb on 6	ı		
Instrument	Analyte	Action Level Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level
SPM Flex 1	H2S	No	54308	29356	0 - 60 ppb	5.75 ppb	70 ppb
ver Chase							
Instrument	Analyte	Action Level Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level
SPM Flex 2	H2S	No	54232	22110	0 - 6 ppb	0.9 ppb	70 ppb
1illstone Creek							
Instrument	Analyte	Action Level Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level
SPM Flex 3	H2S	No	52116	27606	0 - 52 ppb	2.54 ppb	70 ppb
un City							
Instrument	Analyte	Action Level Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level
SPM Flex 4	H2S	No	53806	29584	0 - 26 ppb	2.49 ppb	70 ppb
.:							
ridgemill		Action Level	Number of	Number of	ı		
Instrument	Analyte	Exceedance?	Readings	Detections	Concentration Range	Period Average	Action Level
SPM Flex 5	H2S	No	34422	3684	0 - 5 ppb	0.3 ppb	70 ppb
om Steven Rd							
Instrument	Analyte	Action Level	Number of	Number of	Concentration Range	Period Average	Action Level
SPM Flex 6	H2S	Exceedance? Yes	Readings 54252	Detections 47214	0 - 93 ppb	8.9 ppb	70 ppb
Instrument	Analyte	Action Level	Number of	Number of	Concentration Range	Period Average	Action Level
SPM Flex 7	H2S	Exceedance?	Readings 52864	Detections 12756	0 - 27 ppb	2.87 ppb	70 ppb
			<u> </u>				
1arvin							
Instrument	Analyte	Action Level Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level
SPM Flex 8	H2S	No	53548	10962	0 - 5 ppb	0.36 ppb	70 ppb
reetop							
Instrument	Analyte	Action Level Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level
SPM Flex 9	H2S	No Exceedance?	54450	21646	0 - 11 ppb	1.01 ppb	70 ppb

Notes:

Liberty Hill

Instrument

SPM Flex 10

Hydrogen sulfide concentrations presented in this data summary table are converted from parts per million, the instrument readout units, to parts per billion.

Readings

52526

Number of

Detections

12664

Concentration Range

0 - 17 ppb

Period Average

1.43 ppb

Action Level

70 ppb

ATSDR MRL Agency for Toxic Substances and Disease Registry Minimal Risk Level - Acute Exposure (<14 days)

H₂S Hydrogen Sulfide

hr Hour

ppb Parts per billion

MRL Exceedance Defines if the 24-hr TWA exceeded the MRL at any time during the period of this report

Action Level

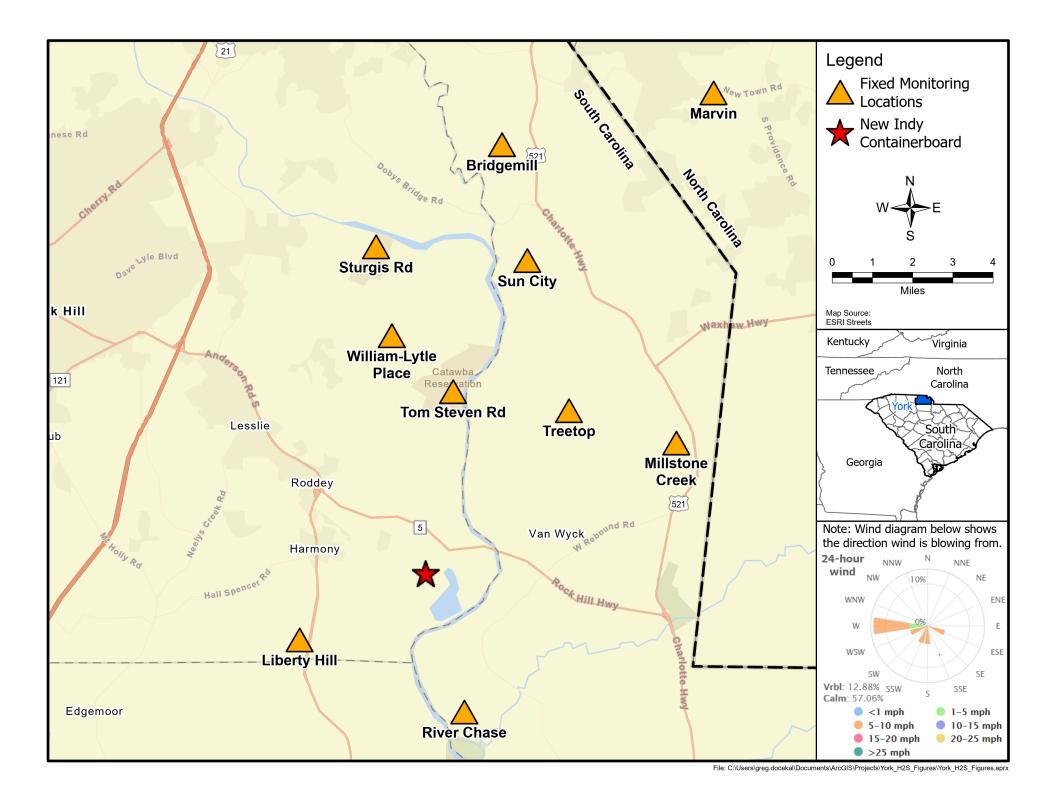
Exceedance?

No

SPM Single Point Monitor TWA Time Weighted Avergage

Analyte

H2S



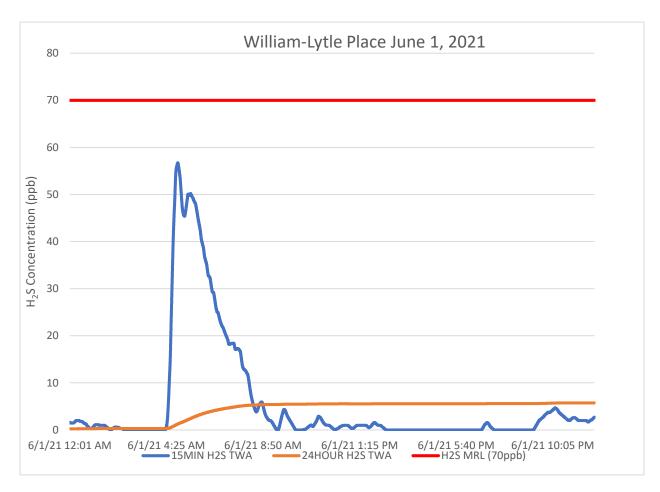
H₂S in South and North Carolina

Hydrogen Sulfide 15-min and 24-hr Time Weighted Graphs

Only locations where hydrogen sulfide was detected during the current reporting period are graphed below.

The prevailing wind directions for this reporting period were mostly calm or lite variable winds out of the west. See wind rose diagram on location figure for full wind data during this reporting period.

All locations detected hydrogen sulfide above 1 part per billion for this reporting period.



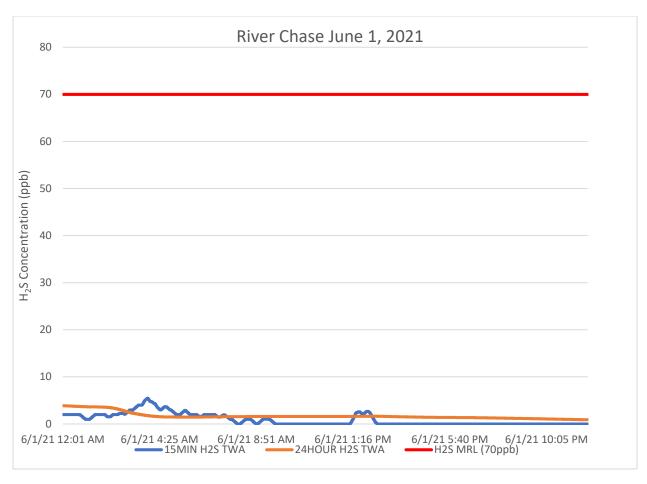
Notes:

H₂S - Hydrogen Sulfide

MIN - Minute

MRL - Minimal Risk Level

ppb – Parts per billion

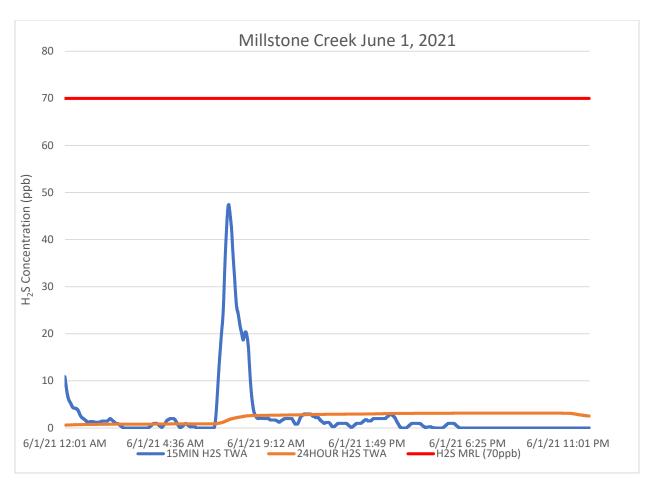


H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb - Parts per billion

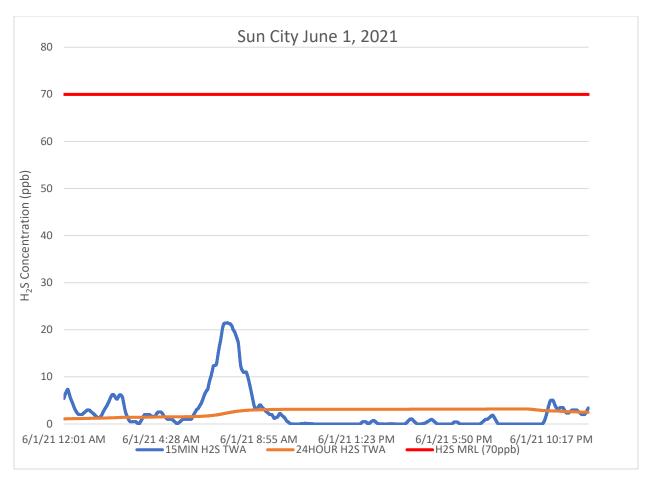


H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb - Parts per billion

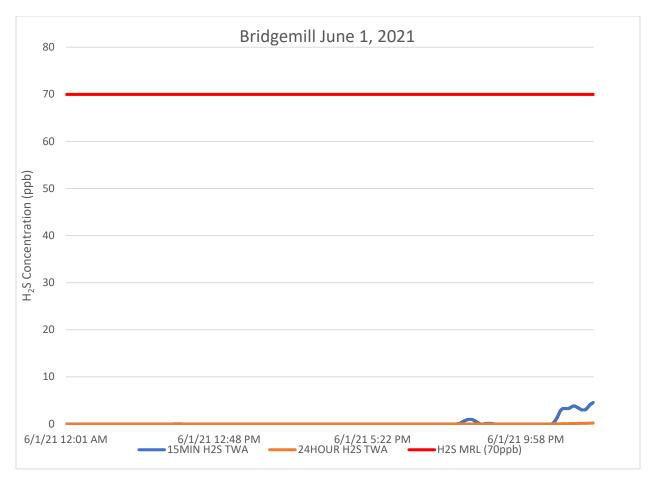


H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb - Parts per billion

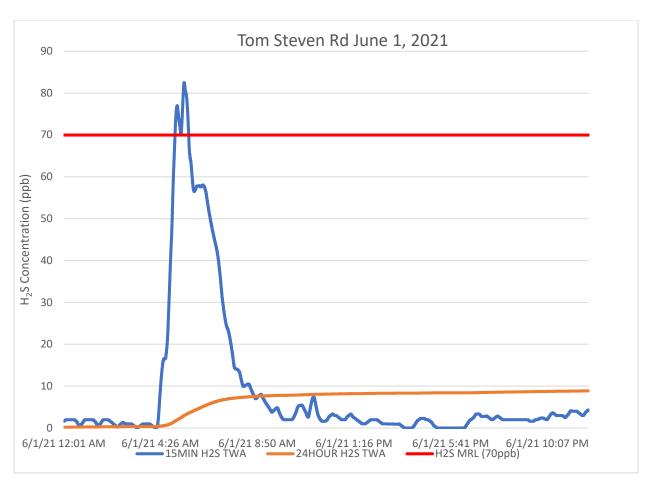


H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb - Parts per billion

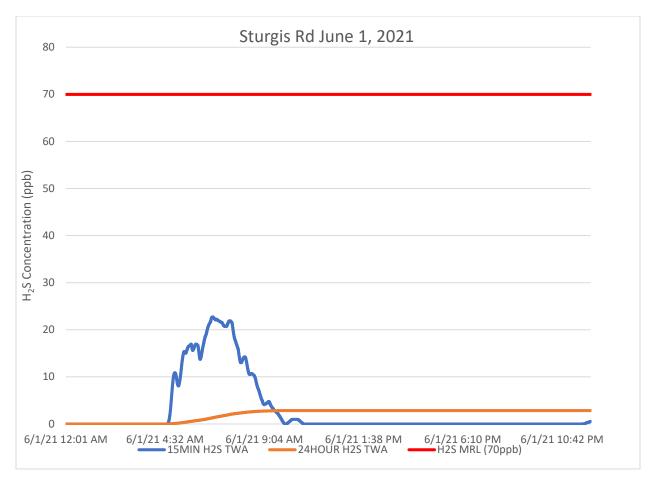


H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb - Parts per billion

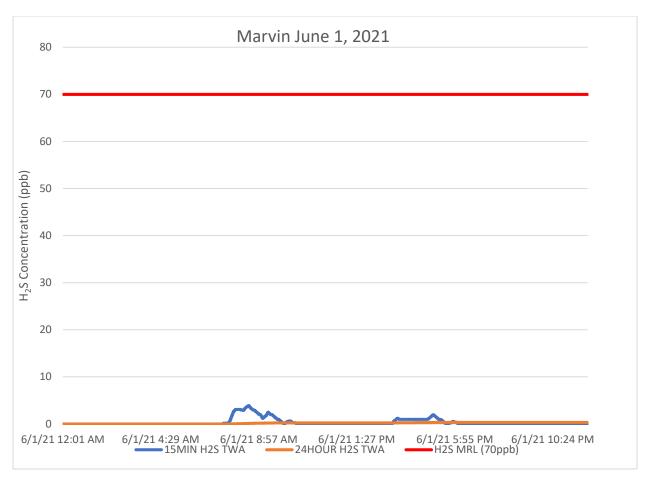


H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb - Parts per billion

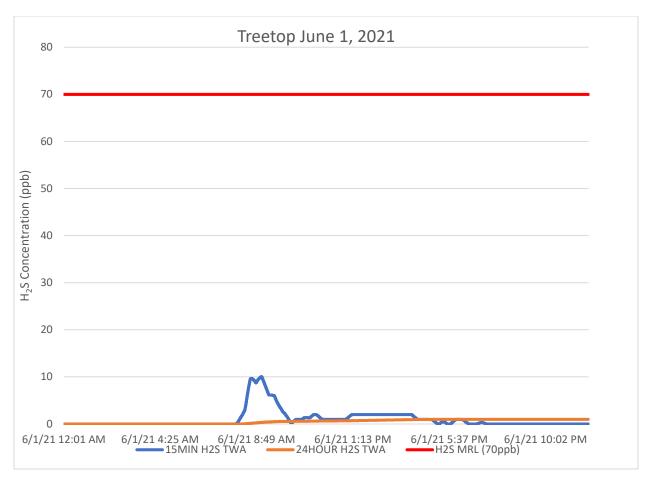


H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb - Parts per billion

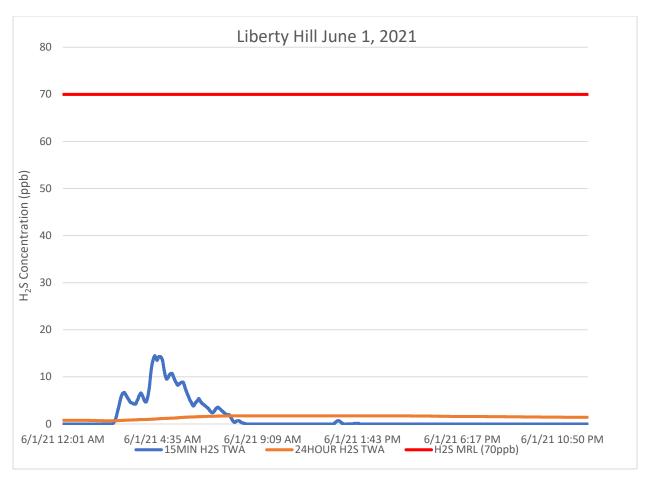


H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb - Parts per billion



H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb - Parts per billion

Air Monitoring Summary Tables

The table below summarize monitoring data collected on using EPA's Viper wireless remote monitoring system.

Project Name: H₂S in South and North Carolina

From: 6/2/21 To: 6/2/21 12:01 AM 11:59 PM



William-Lytle Place							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 1	H2S	No	54316	24482	0 - 11 ppb	1.64 ppb	70 ppb
River Chase				1			
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 2	H2S	No	54160	0	0 - 0 ppb	0 ppb	70 ppb
Millstone Creek							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 3	H2S	No	52056	0	0 - 0 ppb	0 ppb	70 ppb
Sun City		4 TODD 1101					
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 4	H2S	No	53754	3848	0 - 4 ppb	0.13 ppb	70 ppb
Bridgemill							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 5	H2S	No	52128	10342	0 - 6 ppb	0.4 ppb	70 ppb
Tom Steven Rd ¹							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 6	H2S	No	34600	17345	0 - 6 ppb	1.37 ppb	70 ppb
Sturgis Rd							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 7	H2S	No	52908	17852	0 - 5 ppb	0.83 ppb	70 ppb
Marvin							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 8	H2S	No	53484	0	0 - 0 ppb	0 ppb	70 ppb
Treetop			_				
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 9	H2S	No	54230	112	0 - 1 ppb	0 ppb	70 ppb

Notes:

Liberty Hill²

Instrument

SPM Flex 10

Hydrogen sulfide concentrations presented in this data summary table are converted from parts per million, the instrument readout units, to parts per billion.

Number of

Readings

45150

¹ The monitoring station at Tom Steven Rd experienced intermittent outages between 13:38 and 14:27 and was offline and did not collect data from 15:16 to 23:59.

Number of

Detections

4700

Concentration Range

0 - 17 ppb

Period Average

0.85 ppb

ATSDR MRL

70 ppb

² The monitoring station at Liberty Hill experienced intermittent outages between 3:56 to 9:28.

ATSDR MRL

Exceedance?

No

ATSDR MRL Agency for Toxic Substances and Disease Registry Minimal Risk Level - Acute Exposure (<14 days)

H₂S Hydrogen Sulfide

hr Hour

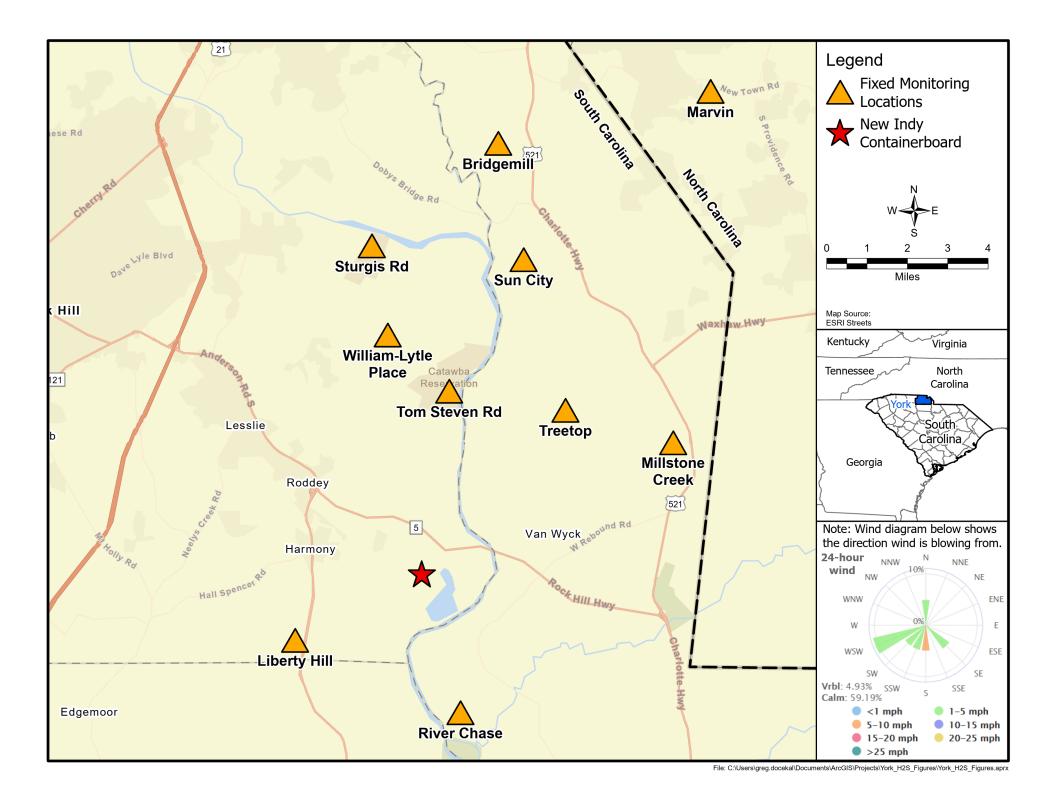
ppb Parts per billion

MRL Exceedance Defines if the 24-hr TWA exceeded the MRL at any time during the period of this report

SPM Single Point Monitor
TWA Time Weighted Avergage

Analyte

H2S



H₂S in South and North Carolina

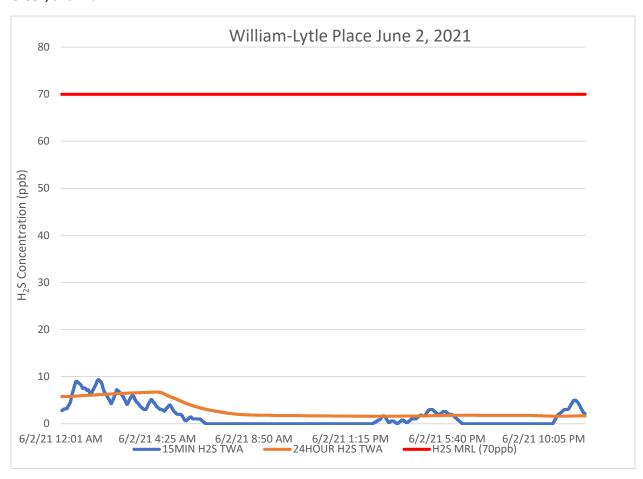
Hydrogen Sulfide 15-min and 24-hr Time Weighted Graphs

Only locations where hydrogen sulfide was detected during the current reporting period are graphed below.

The monitoring stations at Tom Steven Rd and Liberty Hill experienced intermittent outages during this reporting period and are not graphed below.

The prevailing wind directions for this reporting period were mostly calm or lite variable winds out of the west-southwest with smaller percentages out of the north, southwest, south-southwest, south, and southeast. See wind rose diagram on location figure for full wind data during this reporting period.

The following locations did not detect hydrogen sulfide above 1 part per billion: River Chase, Millstone Creek, and Marvin.



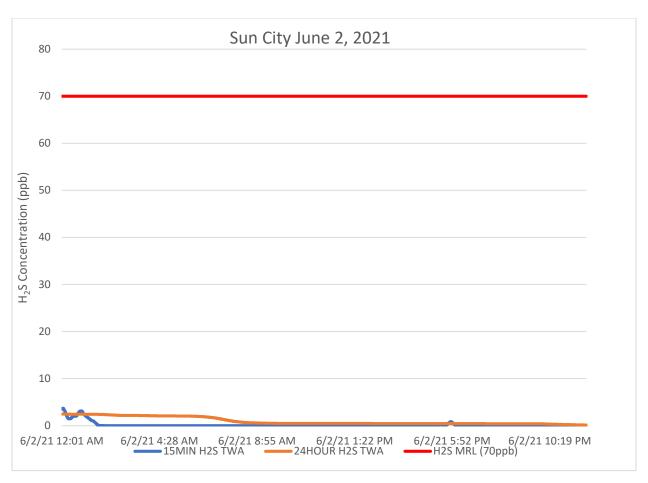
Notes:

H₂S – Hydrogen Sulfide

MIN - Minute

MRL – Minimal Risk Level

ppb – Parts per billion

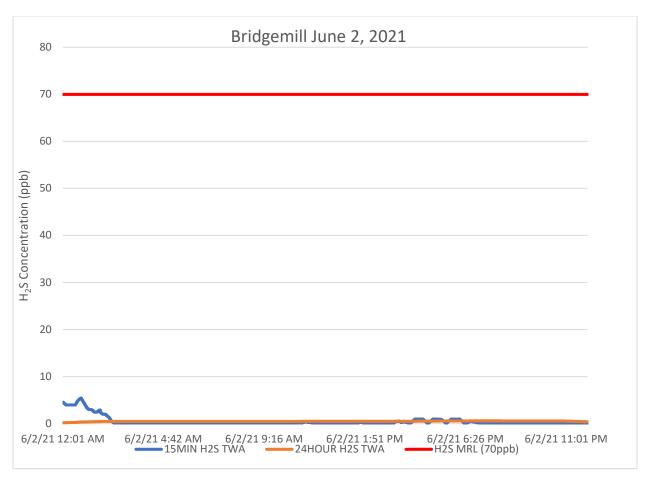


H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb – Parts per billion

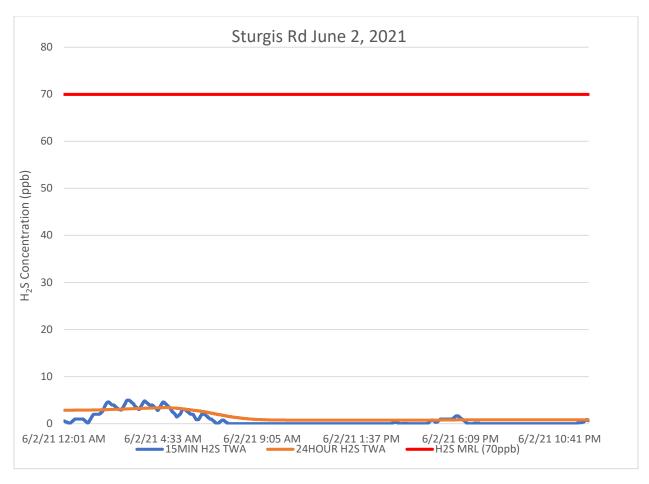


H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb - Parts per billion

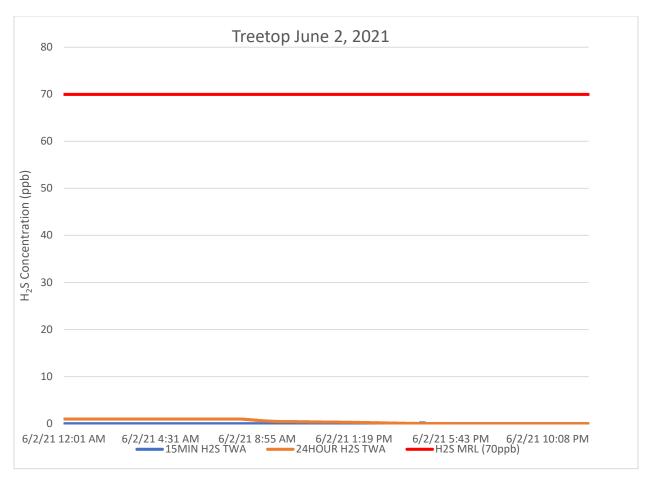


H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb - Parts per billion



H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb - Parts per billion

Air Monitoring Summary Tables

The table below summarizes monitoring data collected using EPA's Viper wireless remote monitoring system.

Project Name: H₂S in South and North Carolina

From: 6/3/21 To: 6/3/21 12:01 AM 11:59 PM



	ATODD MDI					
Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
H2S	No	54218	22724	0 - 16 ppb	1.96 ppb	70 ppb
		Exceedance?	Exceedance? Readings	Exceedance? Readings Detections	Exceedance? Readings Detections	Exceedance? Readings Detections

Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 2	H2S	No	53678	0	0 - 0 ppb	0 ppb	70 ppb

Millstone Creek							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 3	H2S	No	52068	2018	0 - 6 ppb	0.1 ppb	70 ppb

Sun City							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 4	H2S	No	53788	11018	0 - 10 ppb	0.69 ppb	70 ppb

Bridgemill							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 5	H2S	No	52280	3968	0 - 5 ppb	0.16 ppb	70 ppb

Tom Steven Rd ¹							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 6	H2S	No	27251	6336	0 - 15 ppb	1.19 ppb	70 ppb

Sturgis Rd	Sturgis Rd										
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL				
SPM Flex 7	H2S	No	53022	14706	0 - 11 ppb	0.92 ppb	70 ppb				

Marvin							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 8	H2S	No	53600	5840	0 - 7 ppb	0.3 ppb	70 ppb

Treetop							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 9	H2S	No	54470	4066	0 - 6 ppb	0.2 ppb	70 ppb

Liberty Hill							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 10	H2S	No	52550	0	dqq 0 - 0	0 ppb	70 ppb

Notes:

Hydrogen sulfide concentrations presented in this data summary table are converted from parts per million, the instrument readout units, to parts per billion.

ATSDR MRL Agency for Toxic Substances and Disease Registry Minimal Risk Level - Acute Exposure (<14 days)

H₂S Hydrogen Sulfide

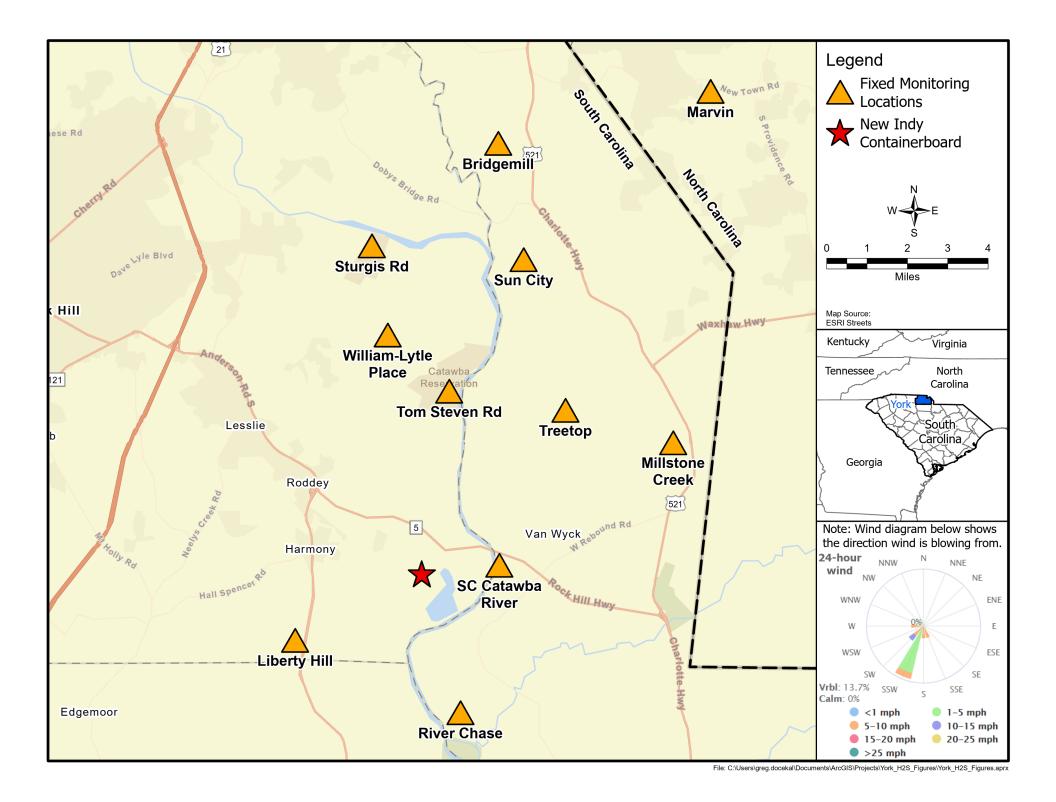
hr Hour

ppb Parts per billion

MRL Exceedance Defines if the 24-hr TWA exceeded the MRL at any time during the period of this report

SPM Single Point Monitor
TWA Time Weighted Avergage

¹ The monitoring station at Tom Steven Rd was offline and did not collect data from midnight to 9:32 AM and from 11:17 AM to 12:32 PM.



H₂S in South and North Carolina

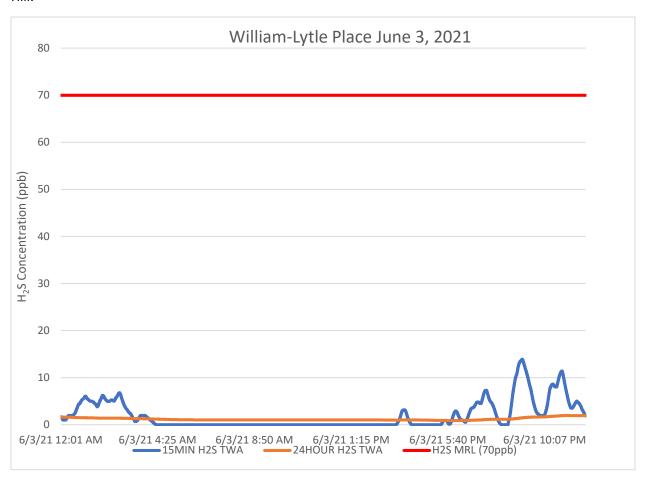
Hydrogen Sulfide 15-min and 24-hr Time Weighted Graphs

Only locations where hydrogen sulfide was detected during the current reporting period are graphed below.

The monitoring station at Tom Steven Rd was not graphed due to inaccurate TWA's caused by intermittent outages during this reporting period.

The prevailing wind directions for this reporting period were out of the south-southwest with a smaller percentage out of the southwest, south, and south-southeast. See wind rose diagram on location figure for full wind data during this reporting period.

The following locations did not detect hydrogen sulfide above 1 part per billion: River Chase and Liberty Hill.



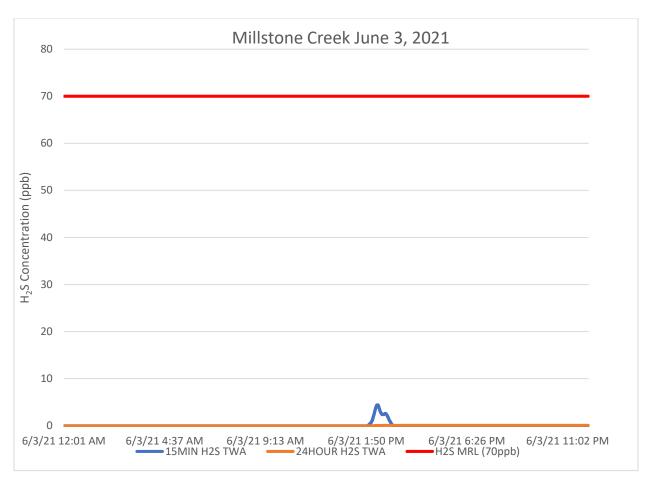
Notes:

H₂S – Hydrogen Sulfide

MIN - Minute

MRL – Minimal Risk Level

ppb – Parts per billion

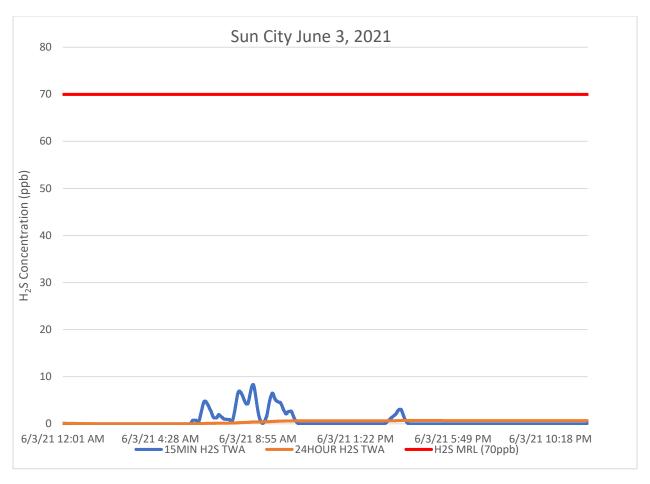


H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb – Parts per billion

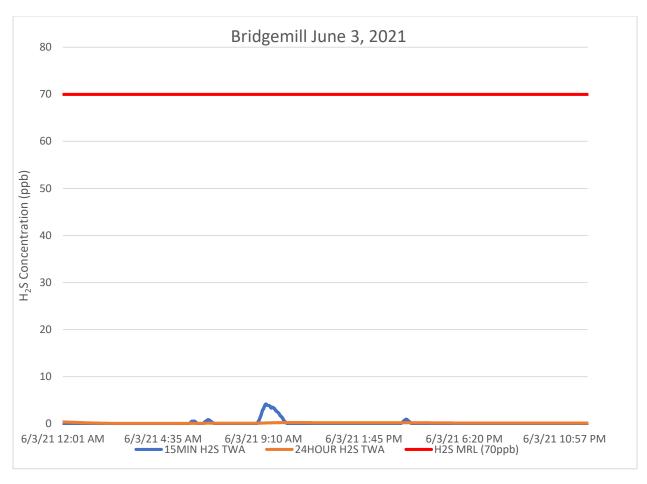


H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb - Parts per billion

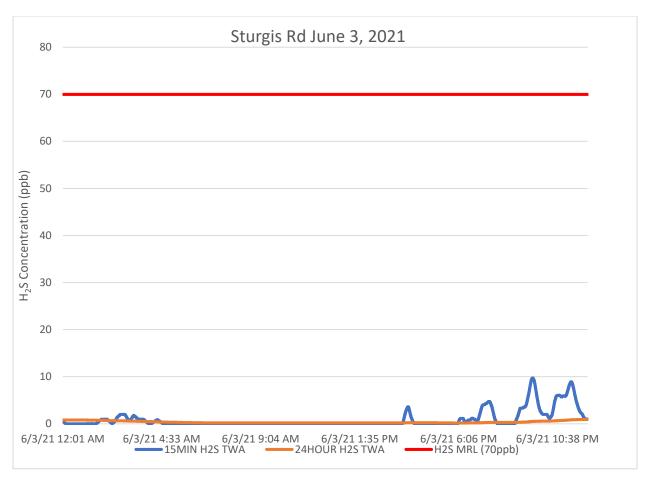


H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb - Parts per billion

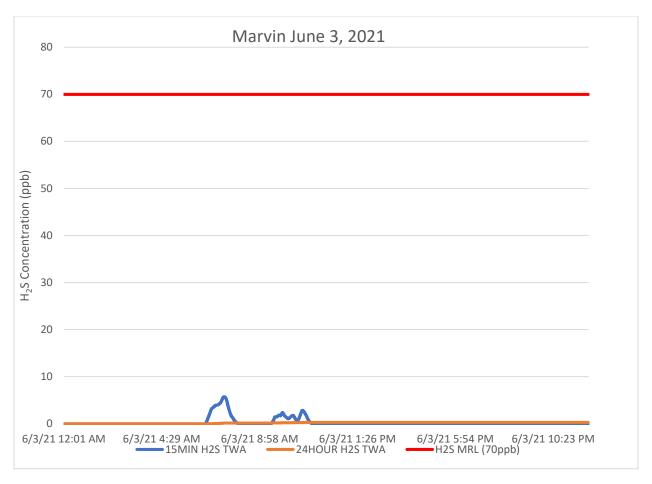


H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb - Parts per billion

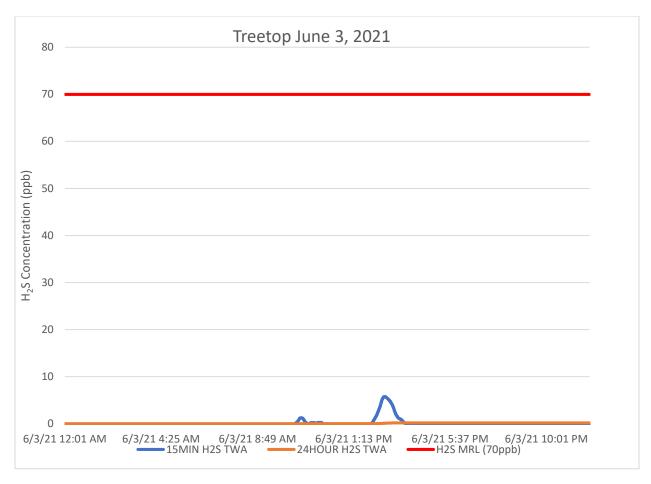


H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb - Parts per billion



H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb - Parts per billion

Air Monitoring Summary Tables

The table below summarizes monitoring data collected using EPA's Viper wireless remote monitoring system.

Project Name: H₂S in South and North Carolina

From: 6/6/21 To: 6/6/21 12:01 AM 11:59 PM



ATSDR MRL

70 ppb

am-Lytle Place		ATSDR MRL	Number of	Number of	1		
Instrument	Analyte	Exceedance?	Readings	Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 1	H2S	No	54232	3502	0 - 11 ppb	0.32 ppb	70 ppb
er Chase							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 2	H2S	No	53718	0	0 - 0 ppb	0 ppb	70 ppb
illstone Creek							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 3	H2S	No No	52152	340	0 - 3 ppb	0.01 ppb	70 ppb
n City							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 4	H2S	No No	53858	20826	0 - 10 ppb	1.1 ppb	70 ppb
idgemill							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 5	H2S	No No	52344	6618	0 - 2 ppb	0.16 ppb	70 ppb
om Steven Rd							
Instrument	Analyte	ATSDR MRL	Number of	Number of	Concentration Range	Period Average	ATSDR MRL
		Exceedance?	Readings	Detections	<u> </u>	,	
SPM Flex 6	H2S	No	52032	19456	0 - 21 ppb	2.23 ppb	70 ppb
urgis Rd							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 7	H2S	No	53090	2404	0 - 7 ppb	0.2 ppb	70 ppb
arvin							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 8	H2S	No	53626	3528	0 - 1 ppb	0.07 ppb	70 ppb
eetop							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 9	H2S	No Exceedance?	54462	5602	0 - 2 ppb	0.13 ppb	70 ppb

Notes:

Liberty Hill

Instrument

SPM Flex 10

Hydrogen sulfide concentrations presented in this data summary table are converted from parts per million, the instrument readout units, to parts per billion.

Number of

Detections

0

Concentration Range

0 - 0 ppb

Period Average

0 ppb

Number of

Readings

52870

ATSDR MRL Agency for Toxic Substances and Disease Registry Minimal Risk Level - Acute Exposure (<14 days)

H₂S Hydrogen Sulfide

hr Hour

ppb Parts per billion

MRL Exceedance Defines if the 24-hr TWA exceeded the MRL at any time during the period of this report

ATSDR MRL

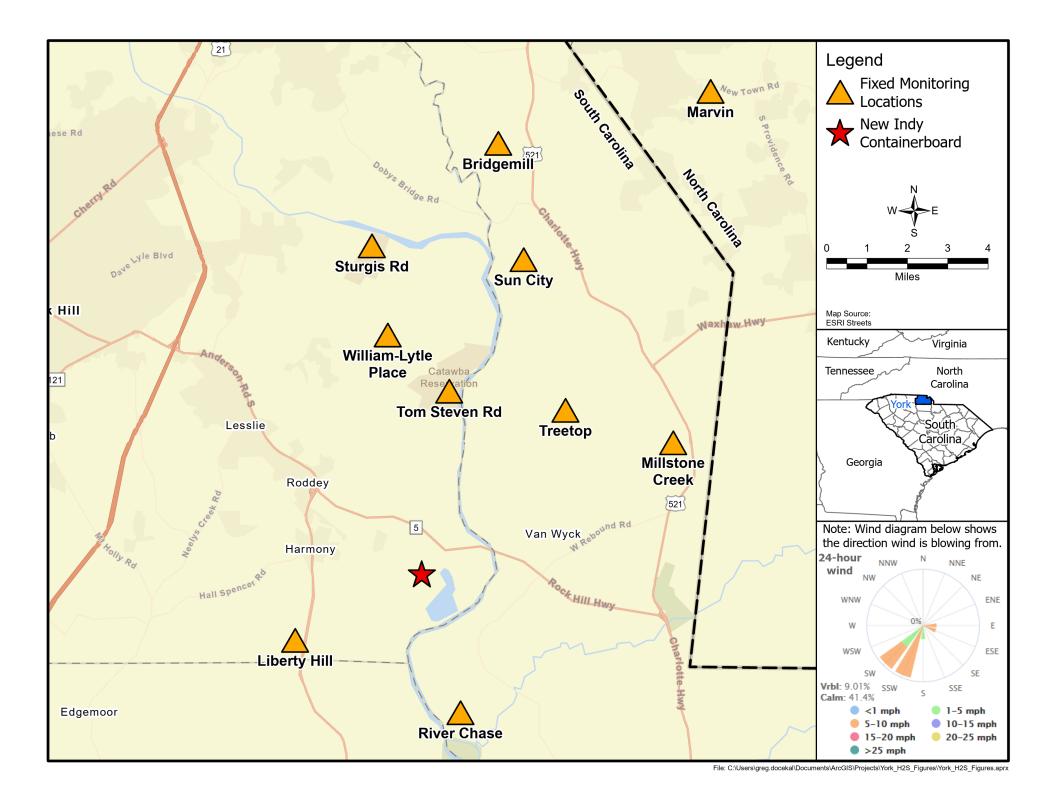
Exceedance?

No

SPM Single Point Monitor
TWA Time Weighted Avergage

Analyte

H2S



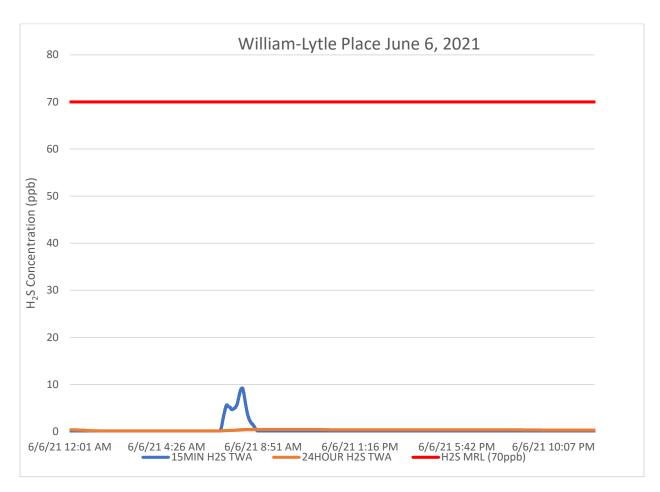
H₂S in South and North Carolina

Hydrogen Sulfide 15-min and 24-hr Time Weighted Graphs

Only locations where hydrogen sulfide was detected during the current reporting period are graphed below.

The prevailing wind directions for this reporting period were out of the southwest and south-southwest with smaller percentages out of the east, east-southeast, and south. See wind rose diagram on location figure for full wind data during this reporting period.

The following locations did not detect hydrogen sulfide above 1 part per billion: River Chase and Liberty Hill.



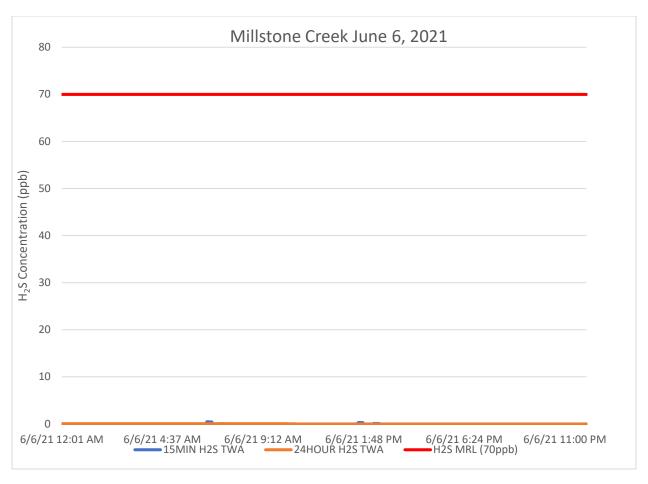
Notes:

H₂S - Hydrogen Sulfide

MIN - Minute

MRL – Minimal Risk Level

ppb - Parts per billion

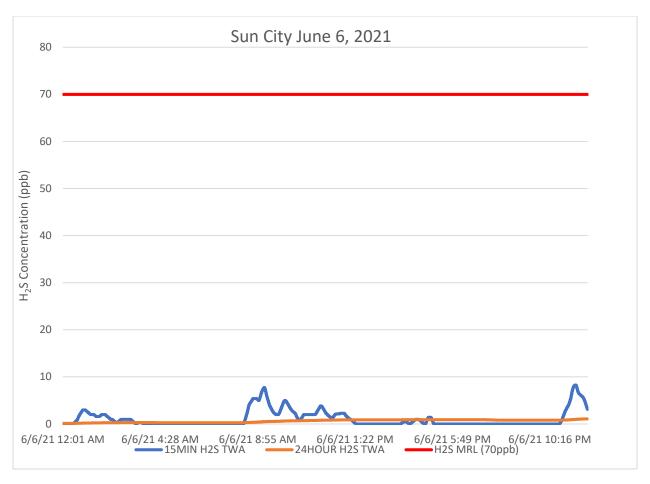


H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb - Parts per billion

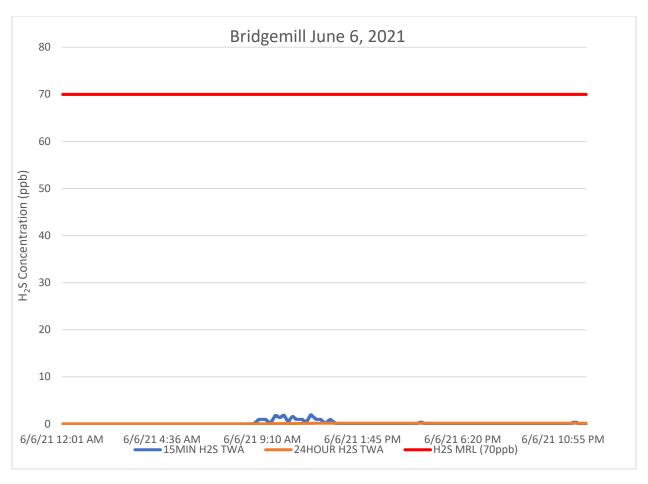


H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb - Parts per billion

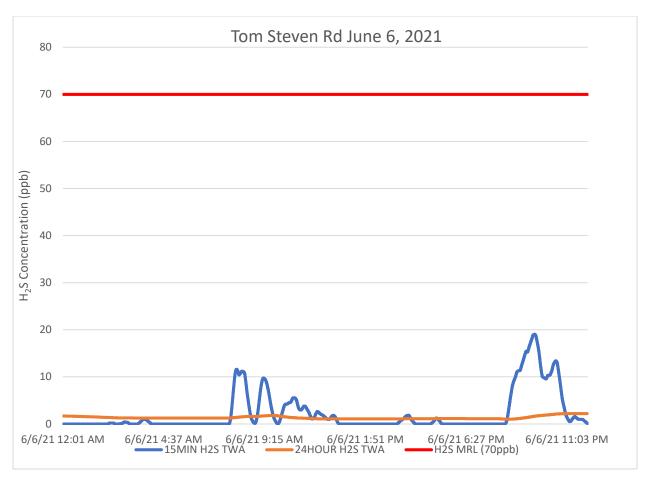


H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb - Parts per billion

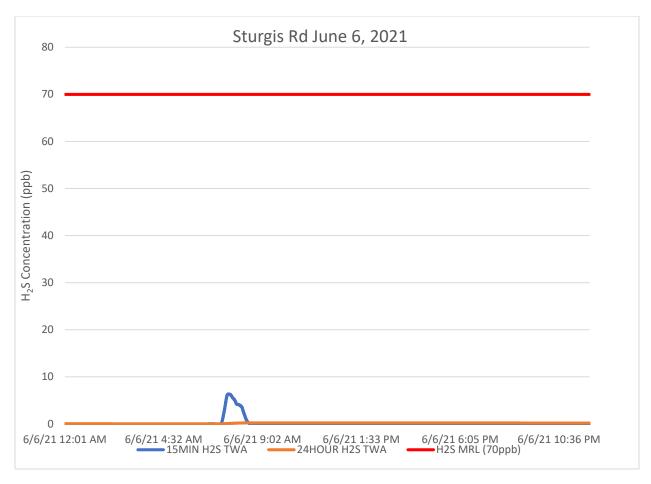


H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb - Parts per billion

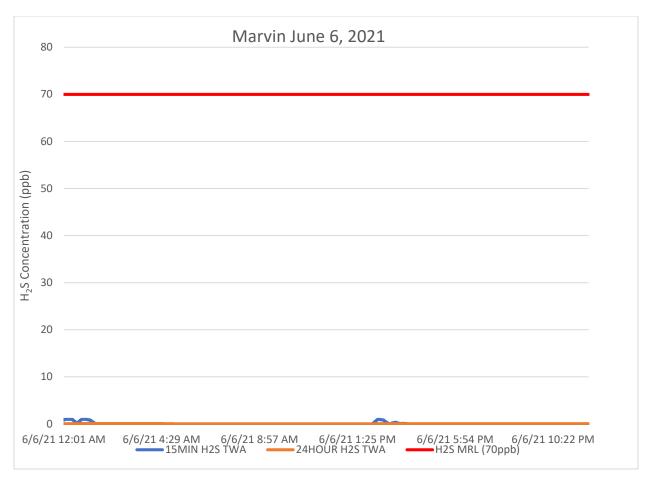


H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb - Parts per billion

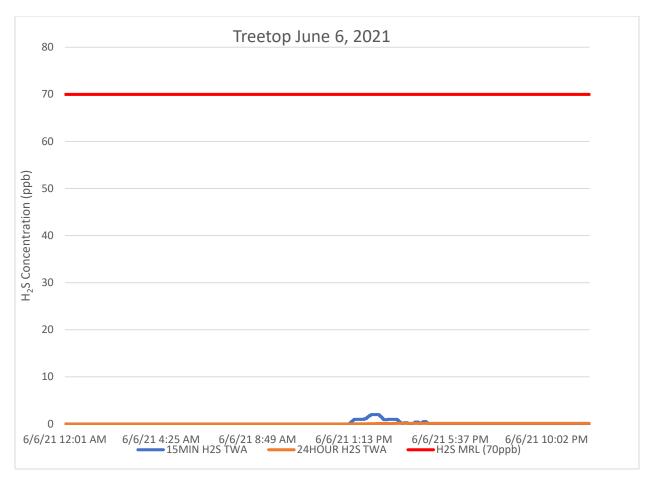


H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb - Parts per billion



H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb - Parts per billion

Air Monitoring Summary Tables

The table below summarizes monitoring data collected using EPA's Viper wireless remote monitoring system.

Project Name: H₂S in South and North Carolina

From: 6/7/21 To: 6/7/21 12:01 AM 11:59 PM



Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 1	H2S	No.	54204	10082	0 - 13 ppb	0.82 ppb	70 ppb
			1 0 1 2 0 1			0.02 pp.0	10
r Chase							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 2	H2S	No	53686	126	0 - 1 ppb	0 ppb	70 ppb
stone Creek							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 3	H2S	No	52104	962	0 - 3 ppb	0.03 ppb	70 ppb
City							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 4	H2S	No	53842	23396	0 - 13 ppb	1.4 ppb	70 ppb
lgemill							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 5	H2S	No	52324	10204	0 - 6 ppb	0.33 ppb	70 ppb
n Steven Rd							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 6	H2S	No	51941	20706	0 - 24 ppb	1.94 ppb	70 ppb
rgis Rd							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 7	H2S	No	52960	8942	0 - 12 ppb	0.57 ppb	70 ppb

Marvin	Marvin										
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL				
SPM Flex 8	H2S	No	53606	4900	0 - 3 ppb	0.16 ppb	70 ppb				

Treetop	Treetop										
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL				
SPM Flex 9	H2S	No	54358	0	0 - 0 ppb	0 ppb	70 ppb				

Liberty Hill	Liberty Hill										
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL				
SPM Flex 10	H2S	No	52796	0	0 - 0 ppb	0 ppb	70 ppb				

Notes

Hydrogen sulfide concentrations presented in this data summary table are converted from parts per million, the instrument readout units, to parts per billion.

ATSDR MRL Agency for Toxic Substances and Disease Registry Minimal Risk Level - Acute Exposure (<14 days)

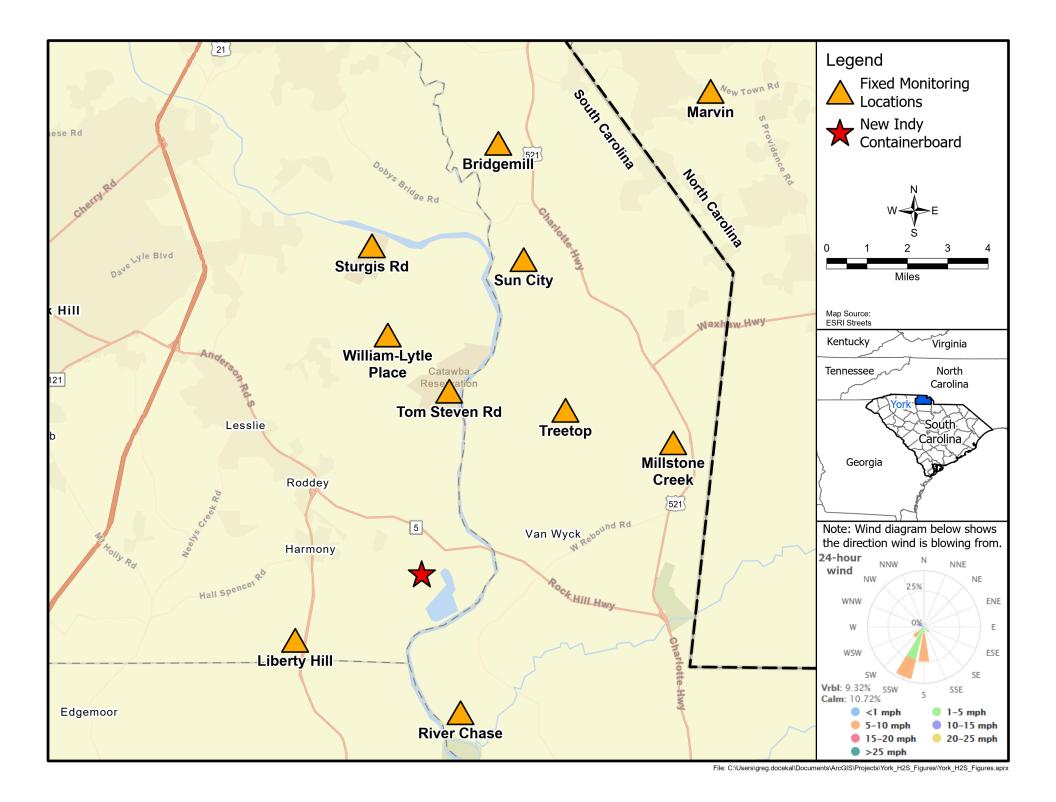
H₂S Hydrogen Sulfide

hr Hour

ppb Parts per billion

 ${\sf MRL}\ {\sf Exceedance} \quad {\sf Defines}\ {\sf if}\ {\sf the}\ {\sf 24-hr}\ {\sf TWA}\ {\sf exceeded}\ {\sf the}\ {\sf MRL}\ {\sf at}\ {\sf any}\ {\sf time}\ {\sf during}\ {\sf the}\ {\sf period}\ {\sf of}\ {\sf this}\ {\sf report}$

SPM Single Point Monitor
TWA Time Weighted Avergage



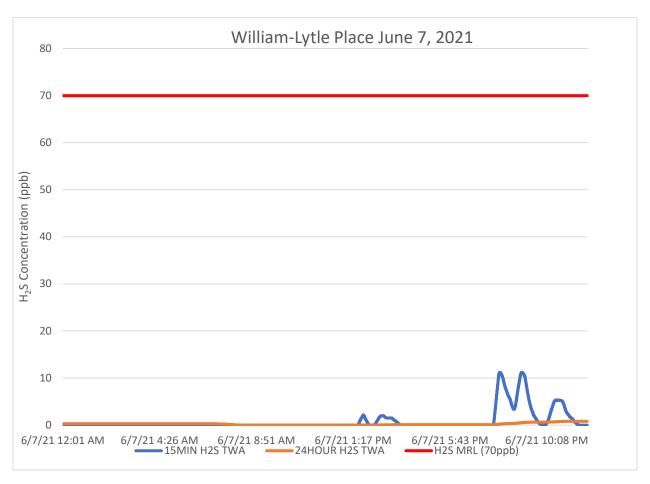
H₂S in South and North Carolina

Hydrogen Sulfide 15-min and 24-hr Time Weighted Graphs

Only locations where hydrogen sulfide was detected during the current reporting period are graphed below.

The prevailing wind directions for this reporting period were out of the south-southwest with smaller percentages out of the southwest and south. See wind rose diagram on location figure for full wind data during this reporting period.

The following locations did not detect hydrogen sulfide above 1 part per billion: Treetop and Liberty Hill.



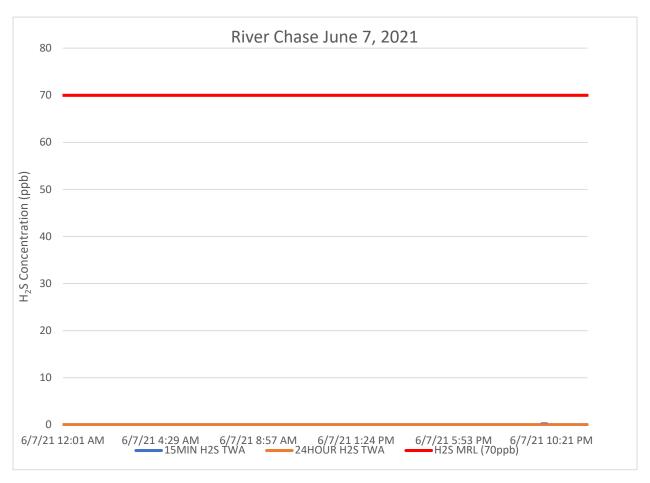
Notes:

H₂S - Hydrogen Sulfide

MIN - Minute

MRL - Minimal Risk Level

ppb - Parts per billion

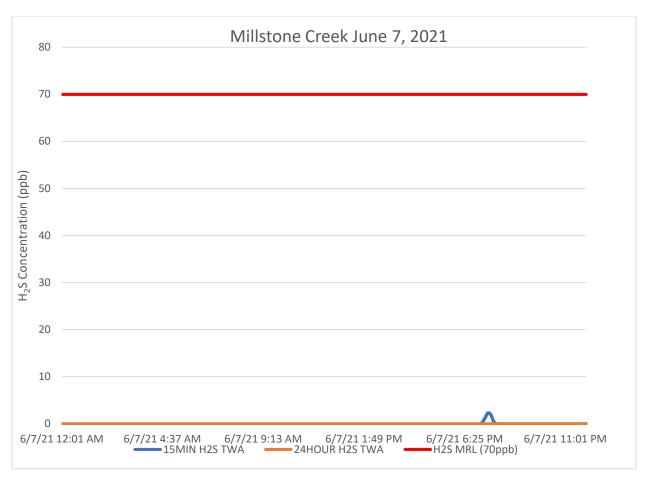


H₂S – Hydrogen Sulfide

MIN – Minute

MRL - Minimal Risk Level

ppb – Parts per billion

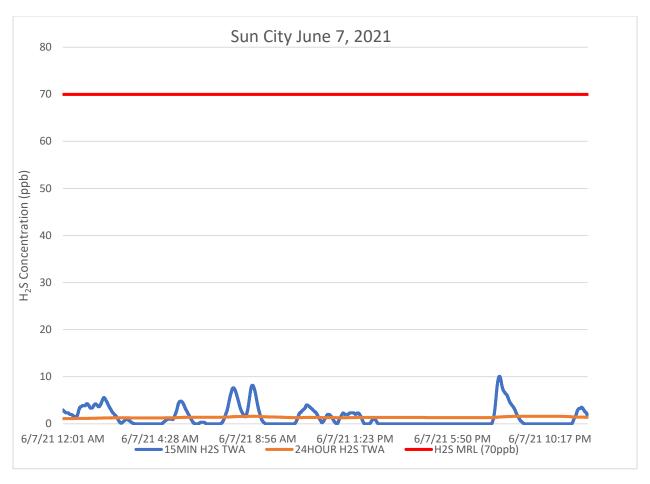


H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb - Parts per billion

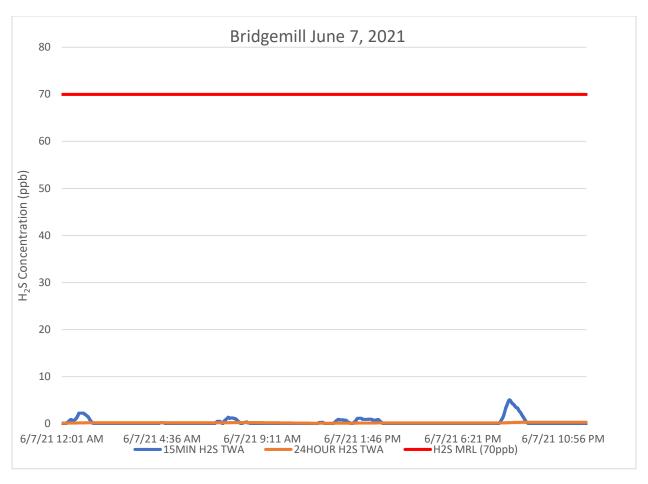


H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb - Parts per billion

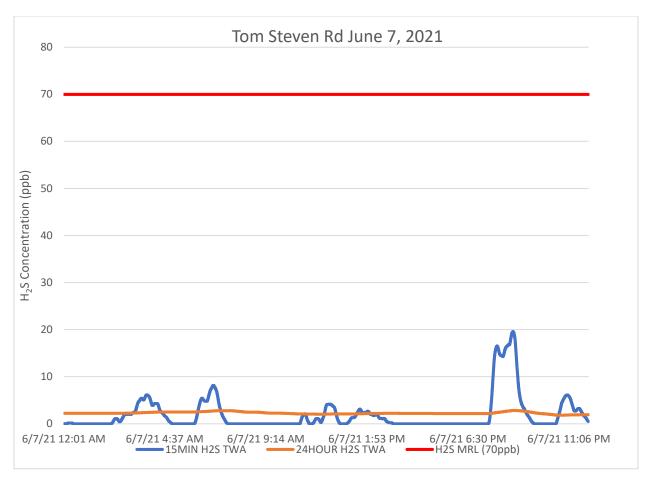


H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb - Parts per billion

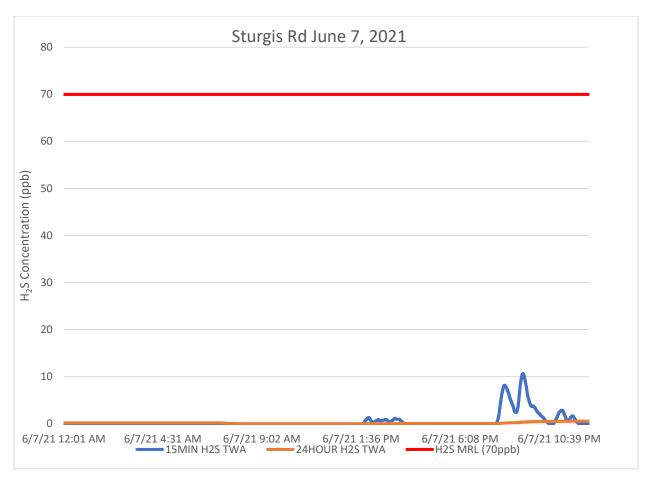


H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb - Parts per billion

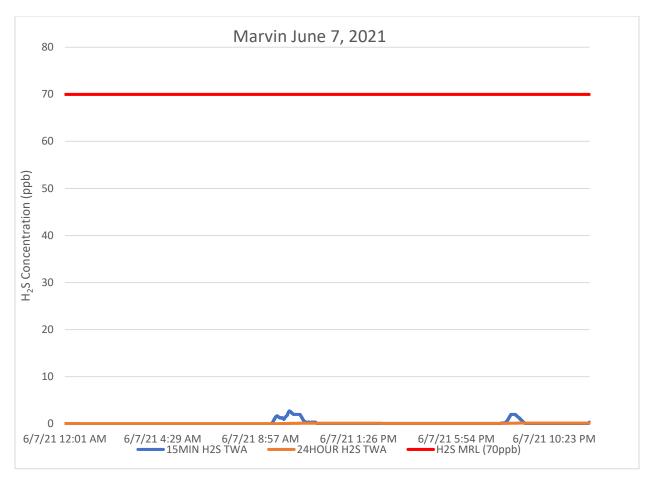


H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb - Parts per billion



H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb - Parts per billion

Air Monitoring Summary Tables

The table below summarizes monitoring data collected using EPA's Viper wireless remote monitoring system.

Project Name: H₂S in South and North Carolina

From: 6/8/21 To: 6/8/21 12:01 AM 11:59 PM



William-Lytle Place										
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL			
SPM Flex 1	H2S	No	54120	0	0 - 0 ppb	0 ppb	70 ppb			

River Chase							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 2	H2S	No	53520	0	0 - 0 ppb	0 ppb	70 ppb

Millstone Creek							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 3	H2S	No	52080	2024	0 - 2 ppb	0.06 ppb	70 ppb

Sun City							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 4	H2S	No	53834	13132	0 - 12 ppb	1.05 ppb	70 ppb

Bridgemill							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 5	H2S	No	52308	4378	0 - 2 ppb	0.11 ppb	70 ppb

Tom Steven Rd							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 6	H2S	No	51240	3838	0 - 8 ppb	0.21 ppb	70 ppb

Sturgis Rd							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 7	H2S	No	52946	0	dqq 0 - 0	0 ppb	70 ppb

Marvin	Marvin									
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL			
SPM Flex 8	H2S	No	53622	11164	0 - 4 ppb	0.38 ppb	70 ppb			

Treetop	Treetop										
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL				
SPM Flex 9	H2S	No	54460	3456	0 - 2 ppb	0.07 ppb	70 ppb				

Liberty Hill	Liberty Hill										
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL				
SPM Flex 10	H2S	No	52087	0	0 - 0 ppb	0 ppb	70 ppb				

Notes:

Hydrogen sulfide concentrations presented in this data summary table are converted from parts per million, the instrument readout units, to parts per billion.

ATSDR MRL Agency for Toxic Substances and Disease Registry Minimal Risk Level - Acute Exposure (<14 days)

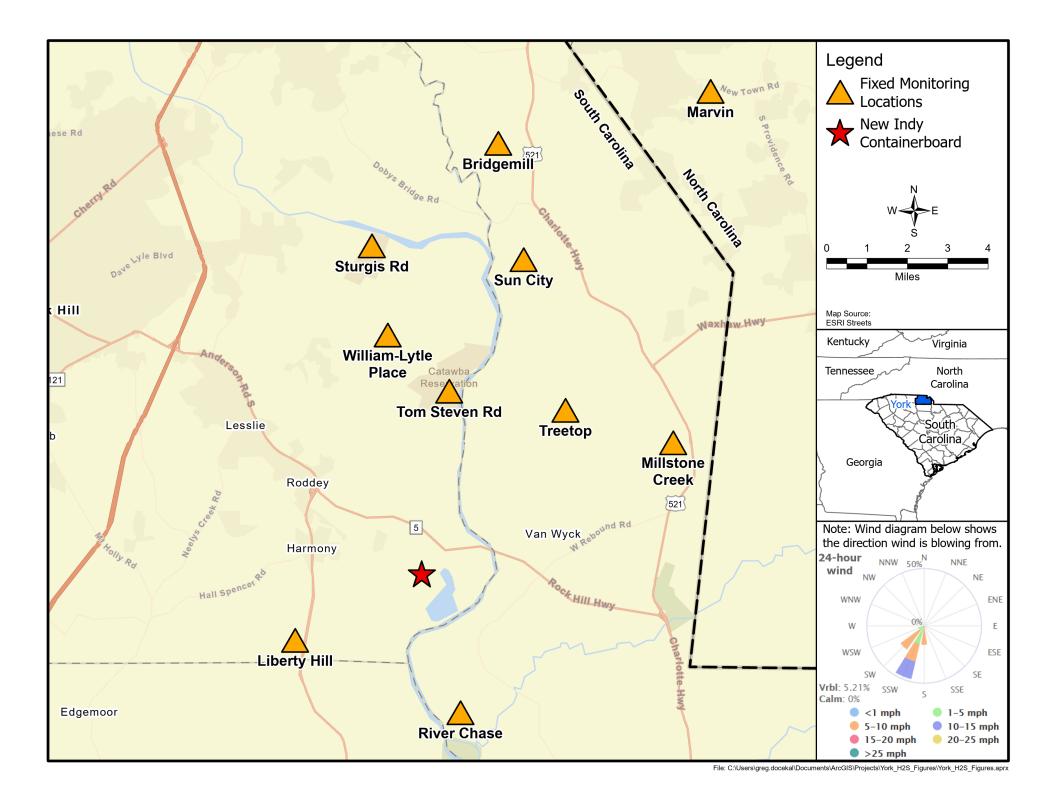
H₂S Hydrogen Sulfide

hr Hour

ppb Parts per billion

MRL Exceedance Defines if the 24-hr TWA exceeded the MRL at any time during the period of this report

SPM Single Point Monitor
TWA Time Weighted Avergage



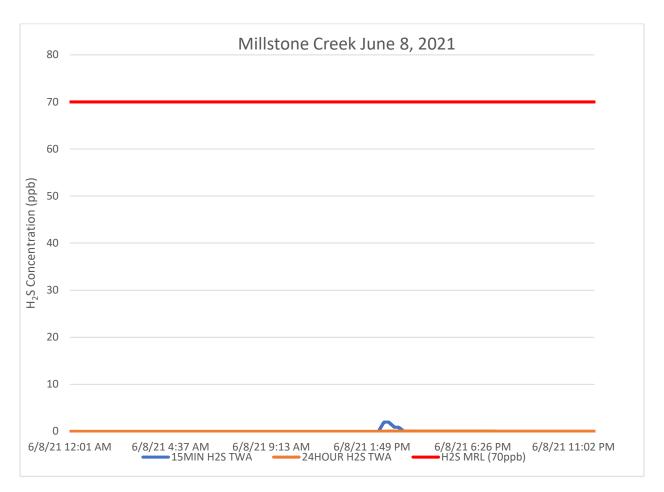
H₂S in South and North Carolina

Hydrogen Sulfide 15-min and 24-hr Time Weighted Graphs

Only locations where hydrogen sulfide was detected during the current reporting period are graphed below.

The prevailing wind directions for this reporting period were out of the south-southwest with smaller percentages out of the southwest and south. See wind rose diagram on location figure for full wind data during this reporting period.

The following locations did not detect hydrogen sulfide above 1 part per billion: William-Lytle Place, River Chase, Sturgis Rd, and Liberty Hill.



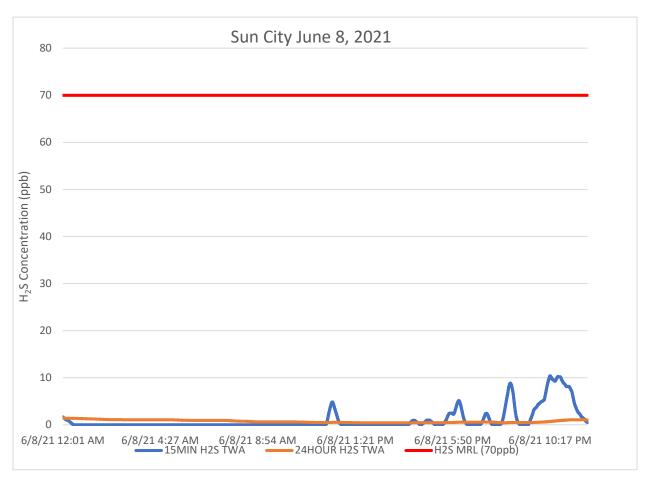
Notes:

H₂S - Hydrogen Sulfide

MIN - Minute

MRL – Minimal Risk Level

ppb - Parts per billion

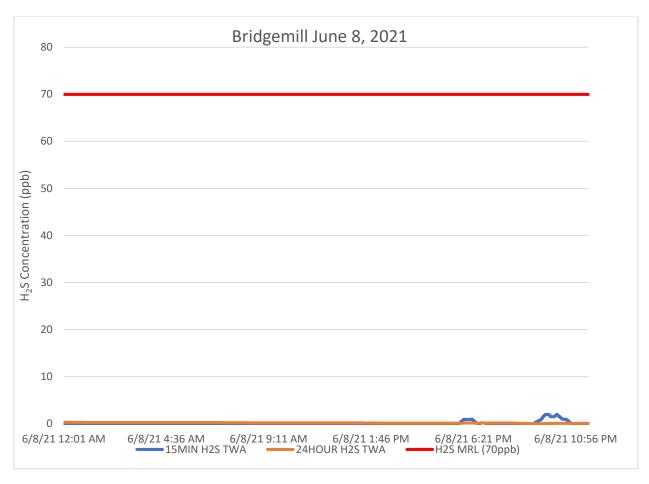


H₂S − Hydrogen Sulfide

MIN – Minute

MRL - Minimal Risk Level

ppb – Parts per billion

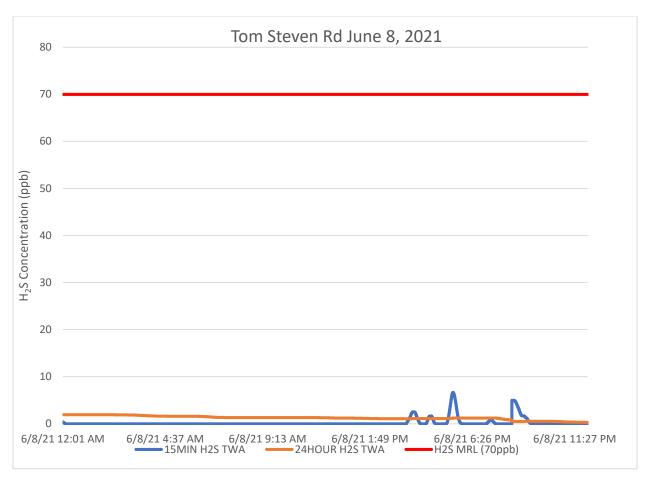


H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb - Parts per billion

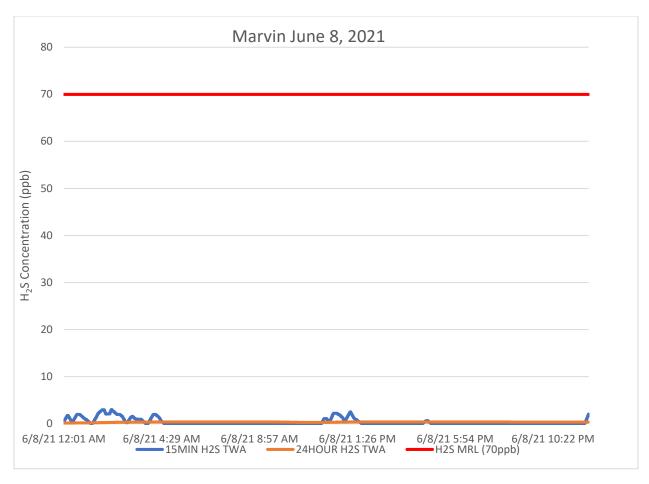


H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb - Parts per billion

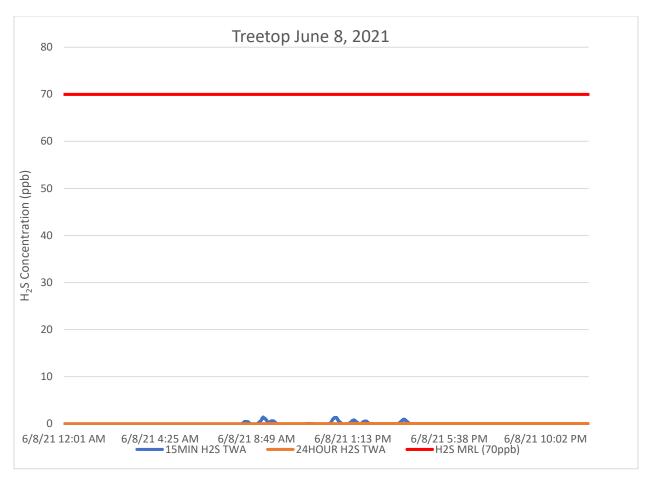


H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb - Parts per billion



H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb - Parts per billion

Air Monitoring Summary Tables

The table below summarizes monitoring data collected using EPA's Viper wireless remote monitoring system.

Project Name: H₂S in South and North Carolina

From: 6/9/21 To: 6/9/21 12:01 AM 11:59 PM



William-Lytle Place										
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL			
SPM Flex 1	H2S	No	54182	180	0 - 2 ppb	0 ppb	70 ppb			

River Chase										
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL			
SPM Flex 2	H2S	No	53654	0	0 - 0 ppb	0 ppb	70 ppb			

Millstone Creek	Millstone Creek										
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL				
SPM Flex 3	H2S	No	52046	6842	0 - 3 ppb	0.2 ppb	70 ppb				

Sun City										
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL			
SPM Flex 4	H2S	No	53878	4856	0 - 34 ppb	1.26 ppb	70 ppb			

Bridgemill	Bridgemill										
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL				
SPM Flex 5	H2S	No	53794	2184	0 - 4 ppb	0.08 ppb	70 ppb				

Tom Steven Rd	Tom Steven Rd											
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL					
SPM Flex 6	H2S	No	54626	3122	0 - 6 ppb	0.17 ppb	70 ppb					

Sturgis Rd							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 7	H2S	No	53046	0	0 - 0 ppb	dqq 0	70 ppb

Marvin										
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL			
SPM Flex 8	H2S	No	53498	13558	0 - 11 ppb	0.87 ppb	70 ppb			

Treetop							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 9	H2S	No	54452	8274	0 - 4 ppb	0.31 ppb	70 ppb

Liberty Hill										
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL			
SPM Flex 10	H2S	No	54912	0	0 - 0 ppb	0 ppb	70 ppb			

Notes:

Hydrogen sulfide concentrations presented in this data summary table are converted from parts per million, the instrument readout units, to parts per billion.

ATSDR MRL Agency for Toxic Substances and Disease Registry Minimal Risk Level - Acute Exposure (<14 days)

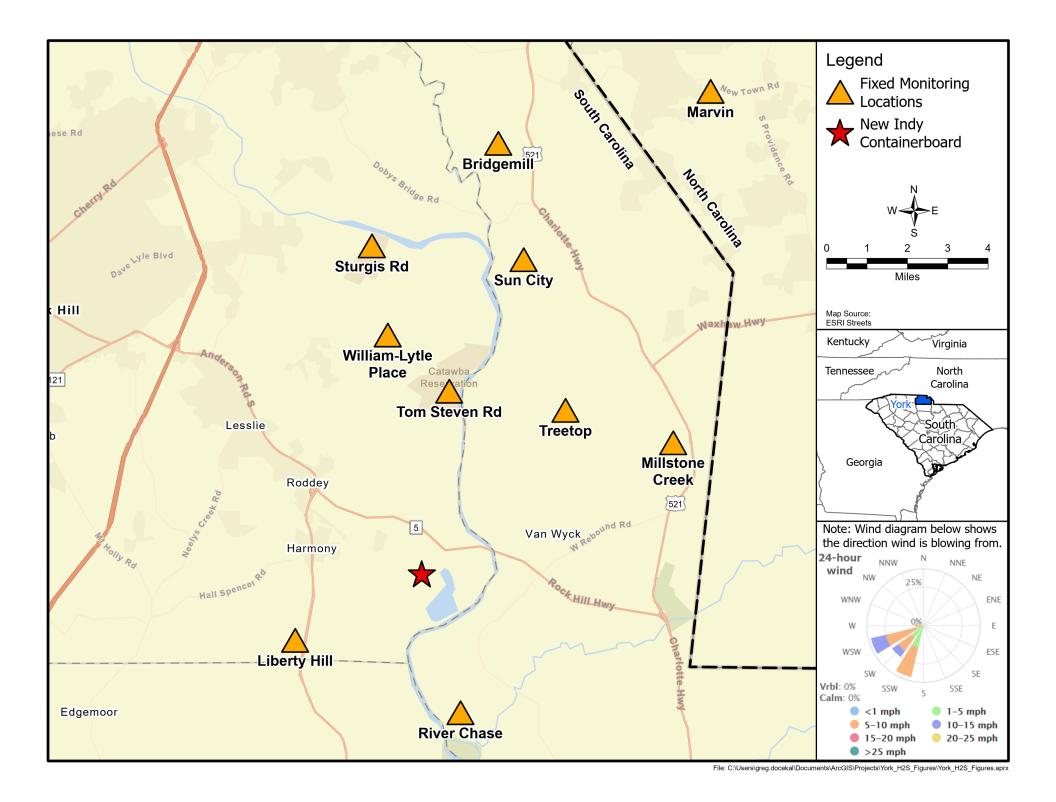
H₂S Hydrogen Sulfide

nr Hour

ppb Parts per billion

MRL Exceedance Defines if the 24-hr TWA exceeded the MRL at any time during the period of this report

SPM Single Point Monitor
TWA Time Weighted Avergage



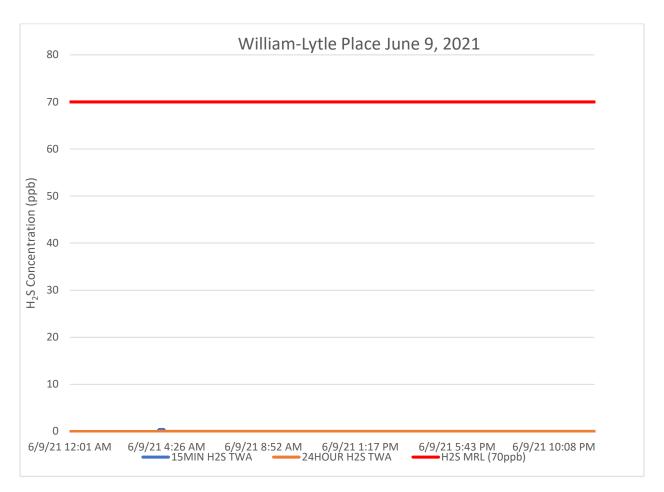
H₂S in South and North Carolina

Hydrogen Sulfide 15-min and 24-hr Time Weighted Graphs

Only locations where hydrogen sulfide was detected during the current reporting period are graphed below.

The prevailing wind directions for this reporting period were out of the west-southwest and south-southwest with a smaller percentage out of the southwest. See wind rose diagram on location figure for full wind data during this reporting period.

The following locations did not detect hydrogen sulfide above 1 part per billion: River Chase, Sturgis Rd, and Liberty Hill.



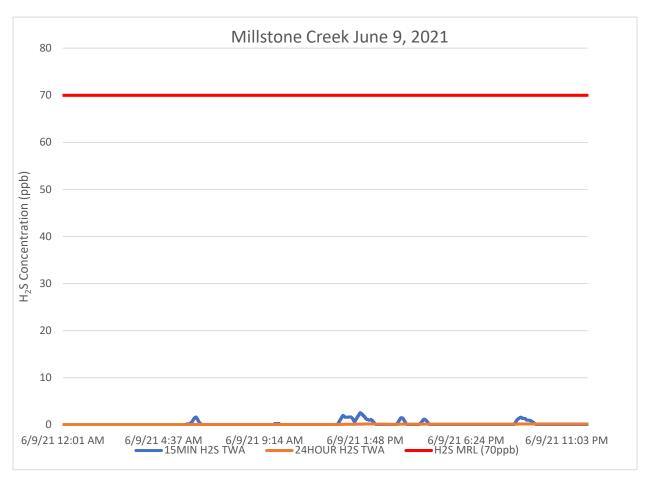
Notes:

H₂S - Hydrogen Sulfide

MIN - Minute

MRL – Minimal Risk Level

ppb – Parts per billion

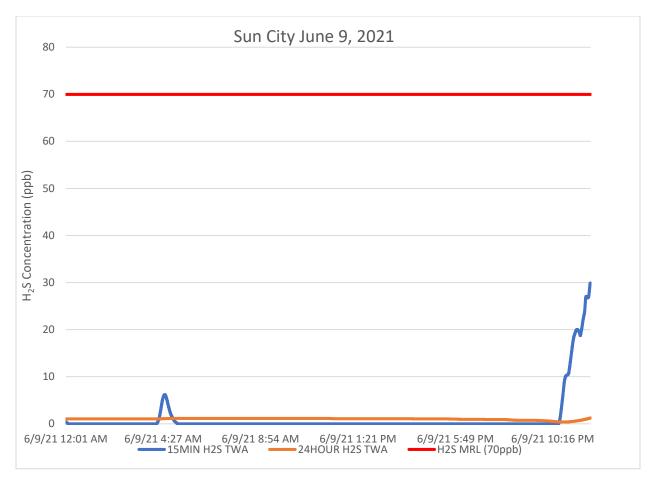


H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb – Parts per billion

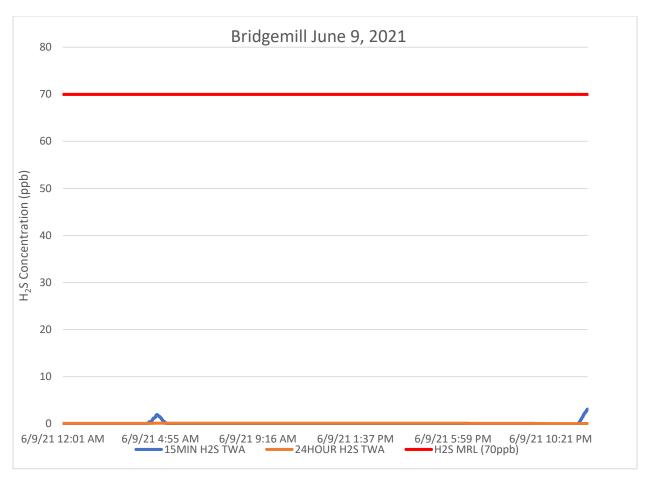


H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb - Parts per billion

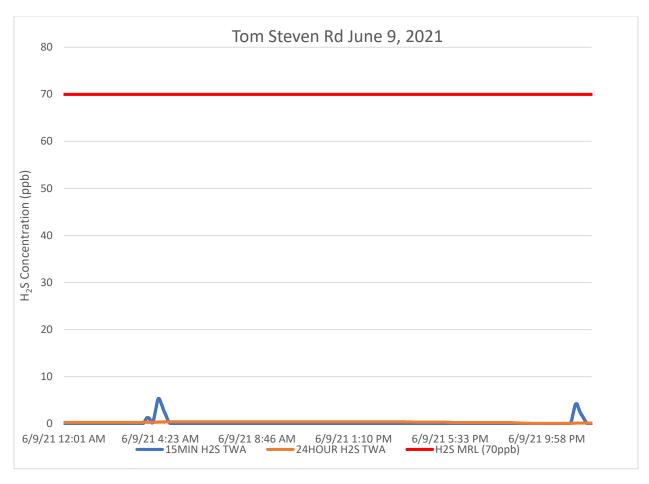


H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb - Parts per billion

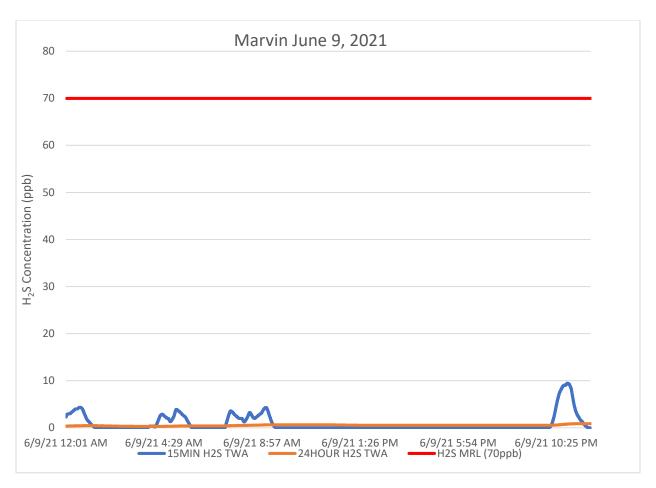


H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb - Parts per billion

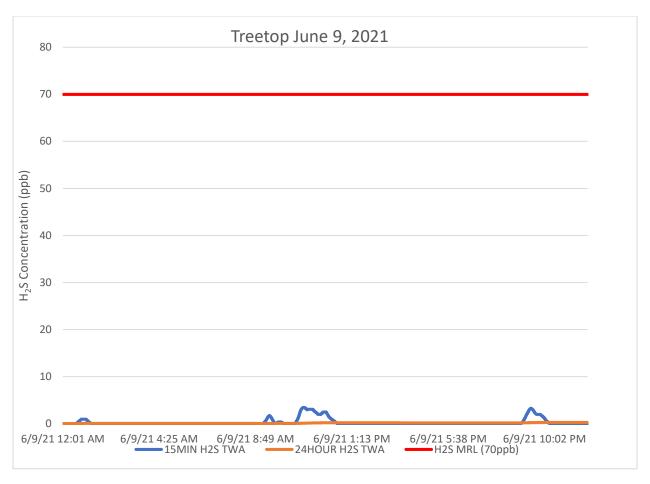


H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb - Parts per billion



H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb - Parts per billion

Air Monitoring Summary Tables

The table below summarizes monitoring data collected using EPA's Viper wireless remote monitoring system.

Project Name: H₂S in South and North Carolina

From: 6/10/21 To: 6/10/21 12:01 AM 11:59 PM



William-Lytle Place									
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL		
SPM Flex 1	H2S	No	54214	0	0 - 0 ppb	0 ppb	70 ppb		

River Chase							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 2	H2S	No	53730	0	0 - 0 ppb	0 ppb	70 ppb

Millstone Creek							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 3	H2S	No	52008	10182	0 - 7 ppb	0.5 ppb	70 ppb

Sun City							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 4	H2S	No	53868	14784	0 - 30 ppb	1.68 ppb	70 ppb

Bridgemill							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 5	H2S	No	55052	6290	0 - 8 ppb	0.37 ppb	70 ppb

Tom Steven Rd							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 6	H2S	No	54574	5176	0 - 34 ppb	1.55 ppb	70 ppb

Sturgis Rd							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 7	H2S	No	53142	0	0 - 0 ppb	0 ppb	70 ppb

Marvin									
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL		
SPM Flex 8	H2S	No	53630	25836	0 - 23 ppb	1.98 ppb	70 ppb		

Treetop							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 9	H2S	No	54476	24462	0 - 15 ppb	1.57 ppb	70 ppb

Liberty Hill	Liberty Hill									
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL			
SPM Flex 10	H2S	No	55012	0	0 - 0 ppb	0 ppb	70 ppb			

Notes

Hydrogen sulfide concentrations presented in this data summary table are converted from parts per million, the instrument readout units, to parts per billion.

ATSDR MRL Agency for Toxic Substances and Disease Registry Minimal Risk Level - Acute Exposure (<14 days)

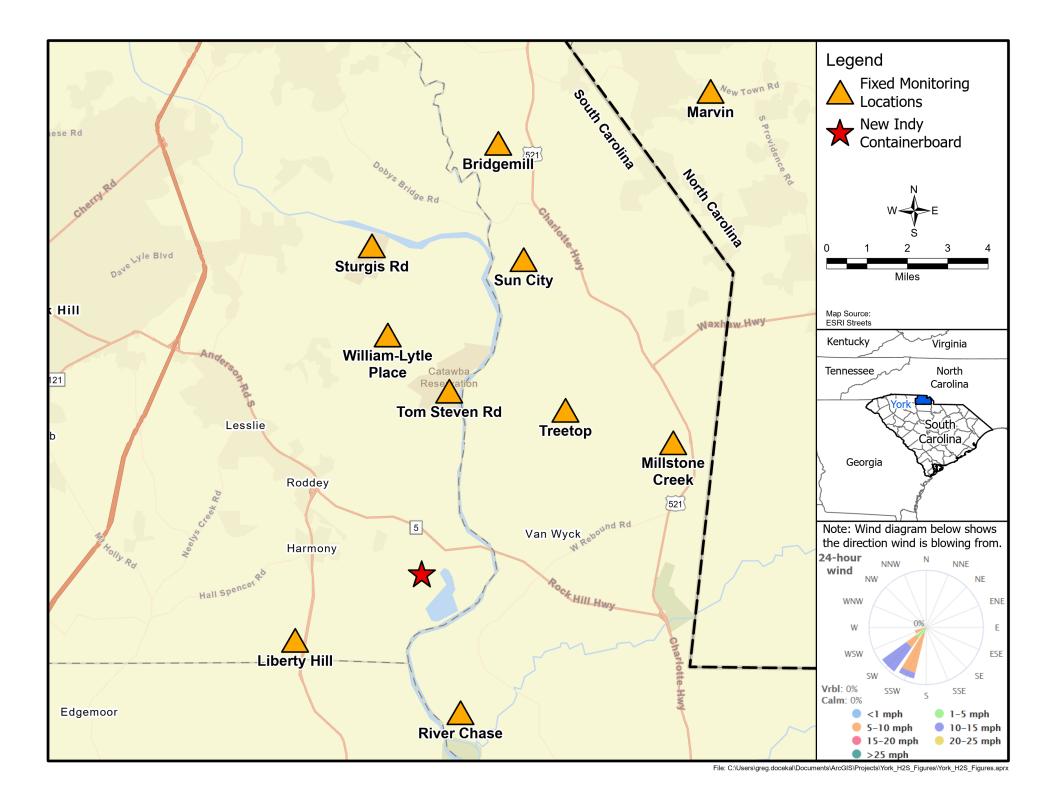
H₂S Hydrogen Sulfide

hr Hour

ppb Parts per billion

 ${\sf MRL}\ {\sf Exceedance} \quad {\sf Defines}\ {\sf if}\ {\sf the}\ {\sf 24-hr}\ {\sf TWA}\ {\sf exceeded}\ {\sf the}\ {\sf MRL}\ {\sf at}\ {\sf any}\ {\sf time}\ {\sf during}\ {\sf the}\ {\sf period}\ {\sf of}\ {\sf this}\ {\sf report}$

SPM Single Point Monitor
TWA Time Weighted Avergage



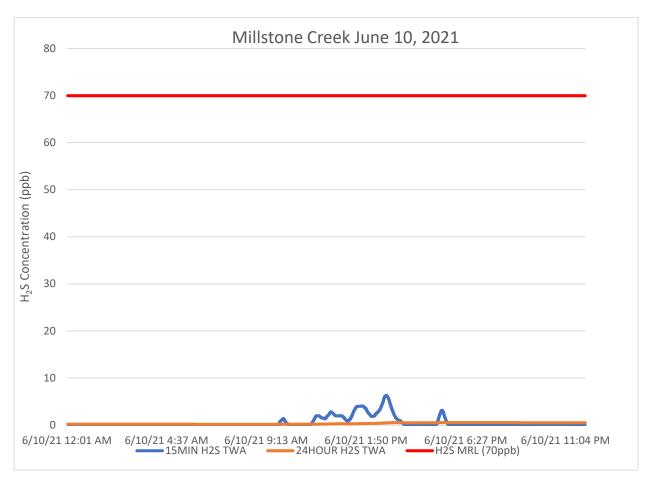
H₂S in South and North Carolina

Hydrogen Sulfide 15-min and 24-hr Time Weighted Graphs

Only locations where hydrogen sulfide was detected during the current reporting period are graphed below.

The prevailing wind directions for this reporting period were out of the southwest and south-southwest. See wind rose diagram on location figure for full wind data during this reporting period.

The following locations did not detect hydrogen sulfide above 1 part per billion: William-Lytle Place, River Chase, Sturgis Rd, and Liberty Hill.



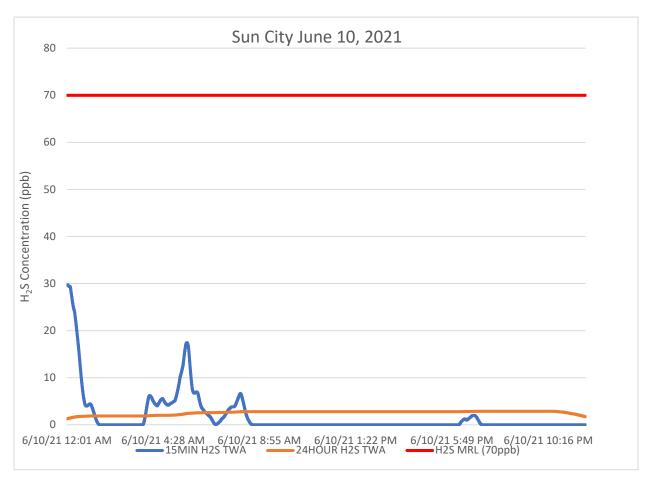
Notes:

H₂S - Hydrogen Sulfide

MIN - Minute

MRL - Minimal Risk Level

ppb - Parts per billion

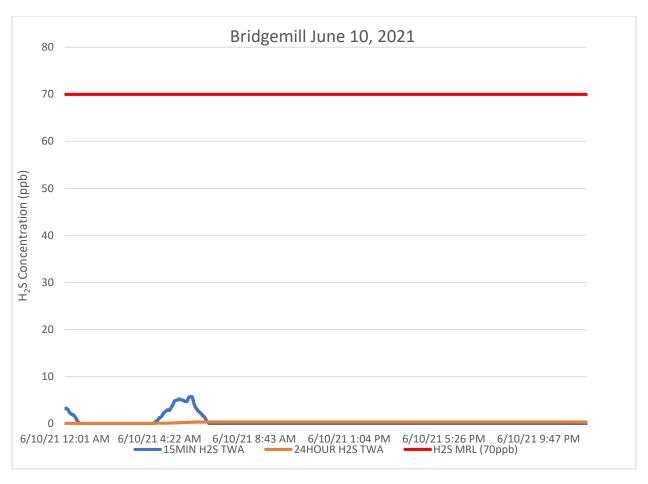


H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb – Parts per billion

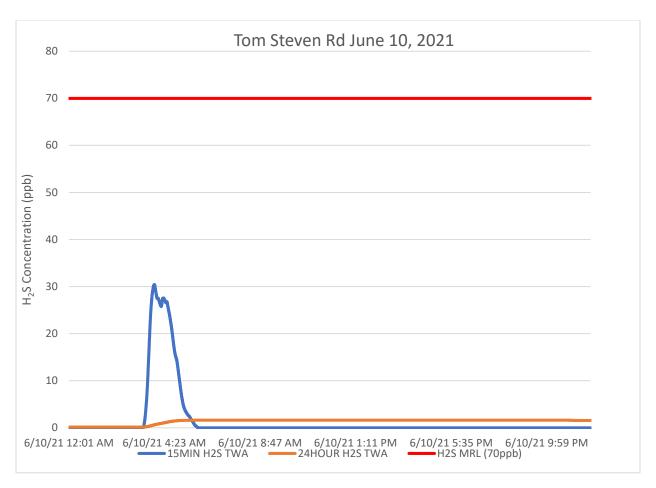


H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb - Parts per billion

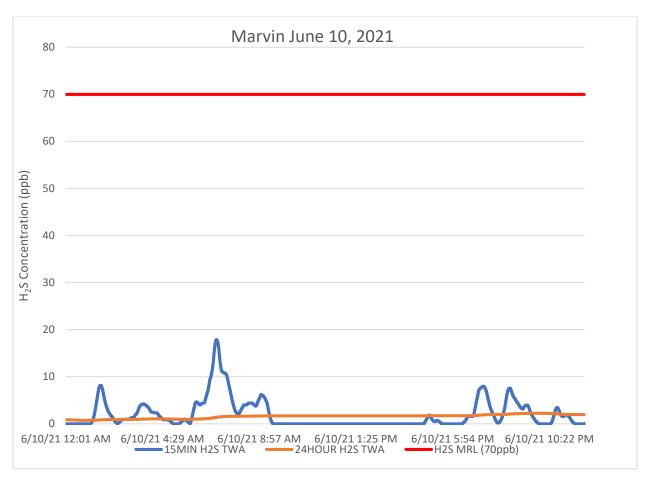


H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb - Parts per billion

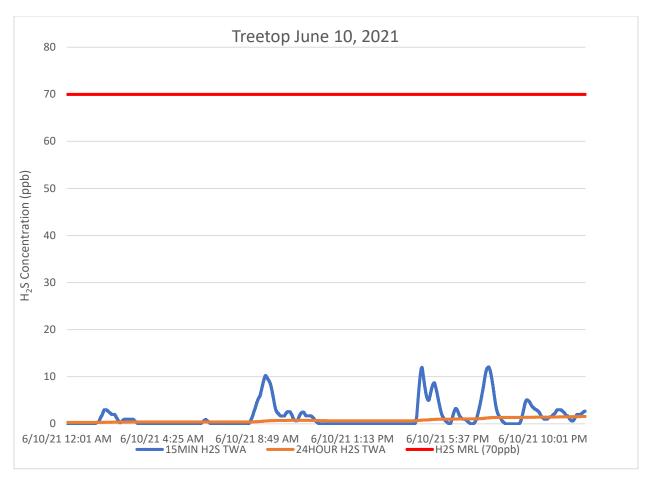


H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb - Parts per billion



H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb - Parts per billion

Air Monitoring Summary Tables

The table below summarizes monitoring data collected using EPA's Viper wireless remote monitoring system.

Project Name: H₂S in South and North Carolina

From: 6/11/21 To: 6/11/21 12:01 AM 11:59 PM



Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 1	H2S	No	27080	0	0 - 0 ppb	0 ppb	70 ppb
er Chase							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 2	H2S	No	26878	8934	0 - 27 ppb	1.18 ppb	70 ppb
Istone Creek							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 3	H2S	No	25995	12212	0 - 13 ppb	0.81 ppb	70 ppb
n City							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 4	H2S	No	26862	2866	0 - 11 ppb	0.25 ppb	70 ppb
dgemill							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 5	H2S	No	27524	0	0 - 0 ppb	0 ppb	70 ppb
m Steven Rd							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 6	H2S	No	27243	10083	0 - 41 ppb	0.95 ppb	70 ppb
ırgis Rd							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 7	H2S	No	26535	0	0 - 0 ppb	0 ppb	70 ppb

Marvin							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 8	H2S	No	26808	15875	0 - 12 ppb	0.74 ppb	70 ppb

Treetop									
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL		
SPM Flex 9	H2S	No	27256	14480	0 - 65 ppb	1.69 ppb	70 ppb		

Liberty Hill							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 10	H2S	No	27463	0	0 - 0 ppb	0 ppb	70 ppb

Notes

Hydrogen sulfide concentrations presented in this data summary table are converted from parts per million, the instrument readout units, to parts per billion.

ATSDR MRL Agency for Toxic Substances and Disease Registry Minimal Risk Level - Acute Exposure (<14 days)

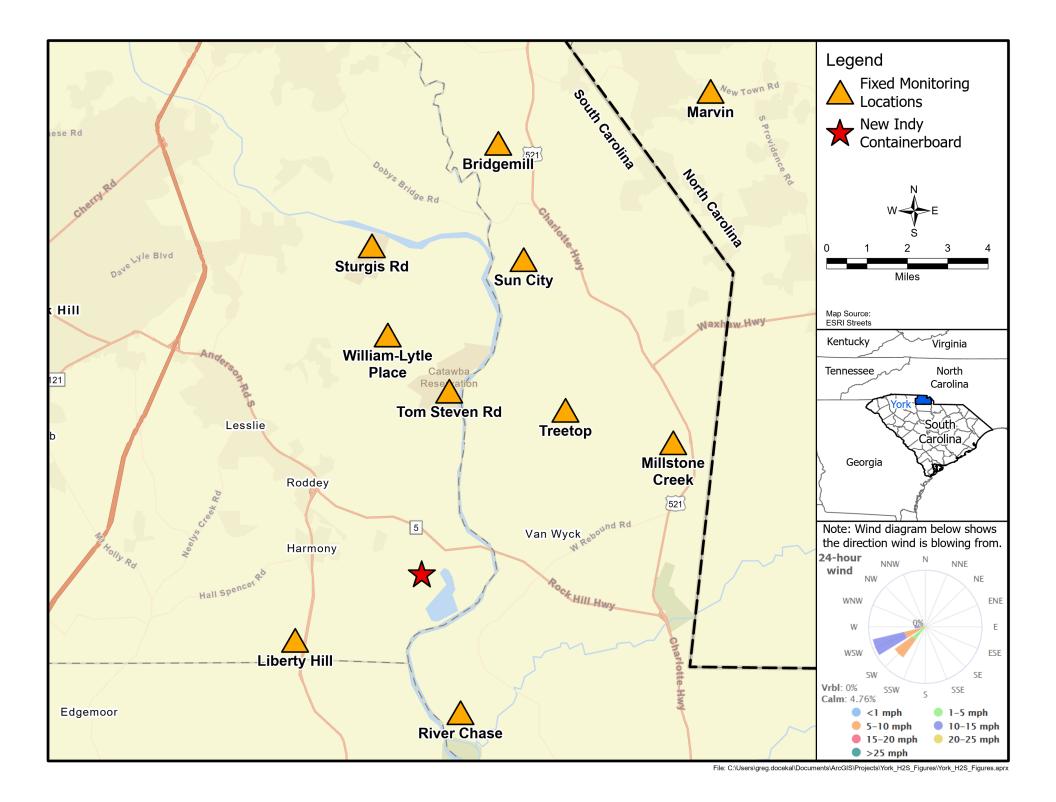
H₂S Hydrogen Sulfide

hr Hour

ppb Parts per billion

MRL Exceedance Defines if the 24-hr TWA exceeded the MRL at any time during the period of this report

SPM Single Point Monitor
TWA Time Weighted Avergage



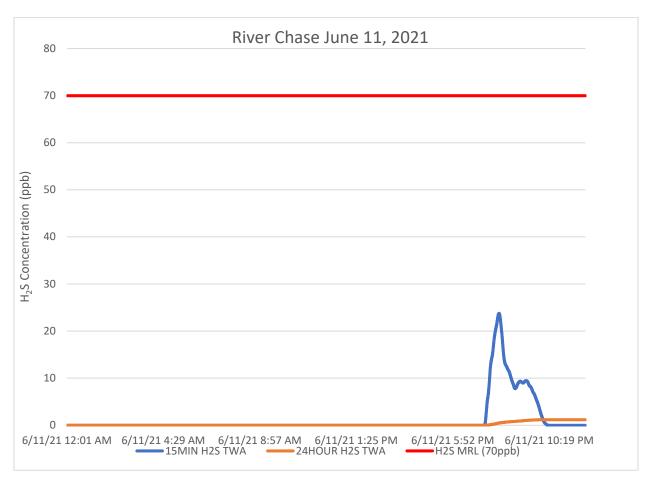
H₂S in South and North Carolina

Hydrogen Sulfide 15-min and 24-hr Time Weighted Graphs

Only locations where hydrogen sulfide was detected during the current reporting period are graphed below.

The prevailing wind directions for this reporting period were out of the west-southwest and southwest. See wind rose diagram on location figure for full wind data during this reporting period.

The following locations did not detect hydrogen sulfide above 1 part per billion: William-Lytle Place, Bridgemill, Sturgis Rd, and Liberty Hill.



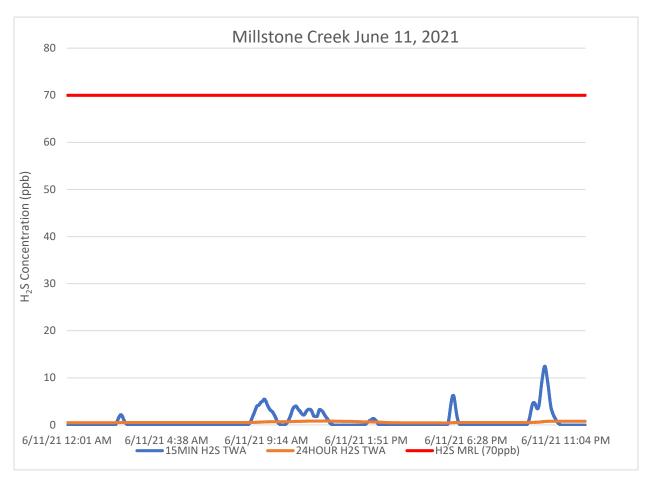
Notes:

H₂S – Hydrogen Sulfide

MIN - Minute

MRL - Minimal Risk Level

ppb - Parts per billion

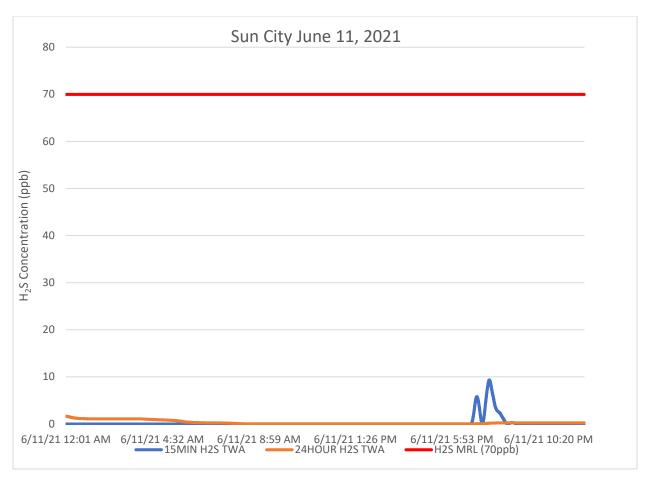


H₂S – Hydrogen Sulfide

MIN – Minute

MRL - Minimal Risk Level

ppb – Parts per billion

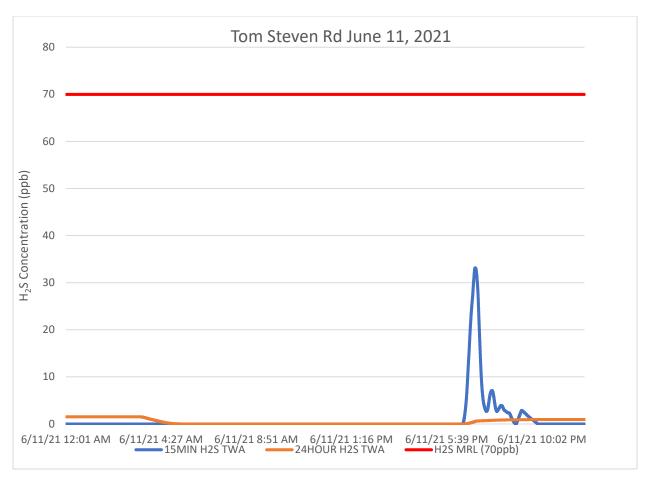


H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb - Parts per billion

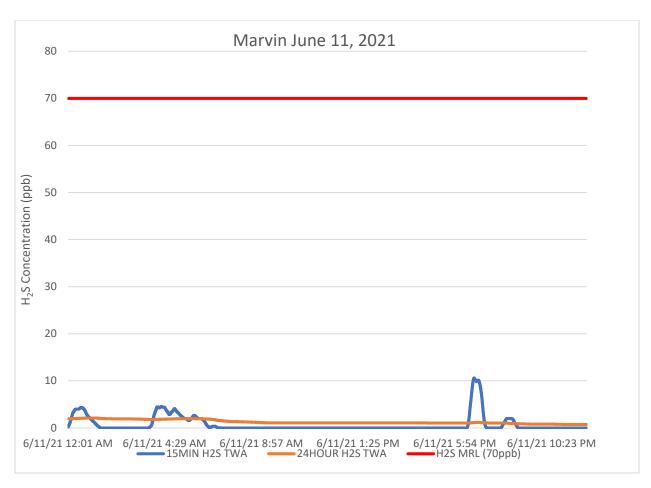


H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb - Parts per billion

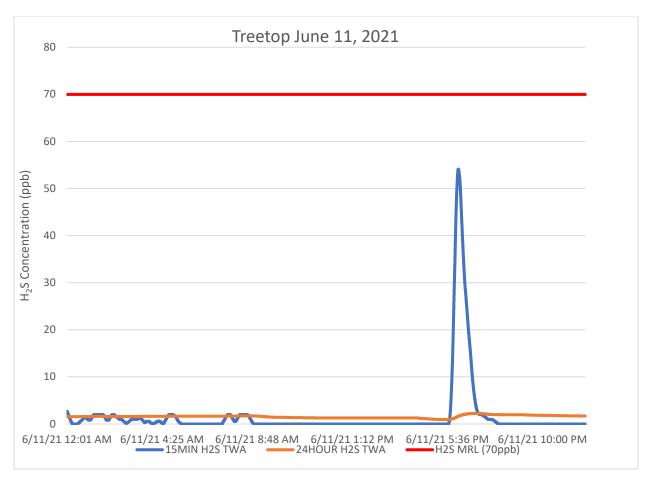


H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb - Parts per billion



H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb - Parts per billion

Air Monitoring Summary Tables

The table below summarizes monitoring data collected using EPA's Viper wireless remote monitoring system.

Project Name: H₂S in South and North Carolina

From: 6/12/21 To: 6/12/21 12:01 AM 11:59 PM



						PROTECTION OF THE PROTECTION O		
liam-Lytle Place								
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL	
SPM Flex 1	H2S	No	27019	0	0 - 0 ppb	0 ppb	70 ppb	
ver Chase								
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL	
SPM Flex 2	H2S	No	26907	11491	0 - 26 ppb	4.28 ppb	70 ppb	
Iillstone Creek								
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL	
SPM Flex 3	H2S	No	25997	3567	0 - 10 ppb	0.46 ppb	70 ppb	
un City								
Instrument	Analyte	ATSDR MRL	Number of	Number of	Concentration Range	Period Average	ATSDR MRL	
SPM Flex 4	H2S	Exceedance? No	Readings 26952	Detections 178	0 - 3 ppb	0.02 ppb	70 ppb	
				•		•		
ridgemill								
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL	
SPM Flex 5	H2S	No	27533	0	0 - 0 ppb	0 ppb	70 ppb	
om Steven Rd								
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL	
SPM Flex 6	H2S	No	21195	0	0 - 0 ppb	0 ppb	70 ppb	
turgis Rd								
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL	
SPM Flex 7	H2S	No No	26520	0	0 - 0 ppb	0 ppb	70 ppb	
la main								
larvin		ATSDR MRL	Number of	Number of				
Instrument	Analyte	Exceedance?	Readings	Detections	Concentration Range 0 - 0 ppb	Period Average	70 ppb	
SPM Flex 8	H2S	No	26803	0		0 ppb		

Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 9	H2S	No	27242	881	0 - 2 ppb	0.04 ppb	70 ppb

Liberty Hill							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 10	H2S	No	27475	0	0 - 0 ppb	0 ppb	70 ppb

Notes

Hydrogen sulfide concentrations presented in this data summary table are converted from parts per million, the instrument readout units, to parts per billion.

ATSDR MRL Agency for Toxic Substances and Disease Registry Minimal Risk Level - Acute Exposure (<14 days)

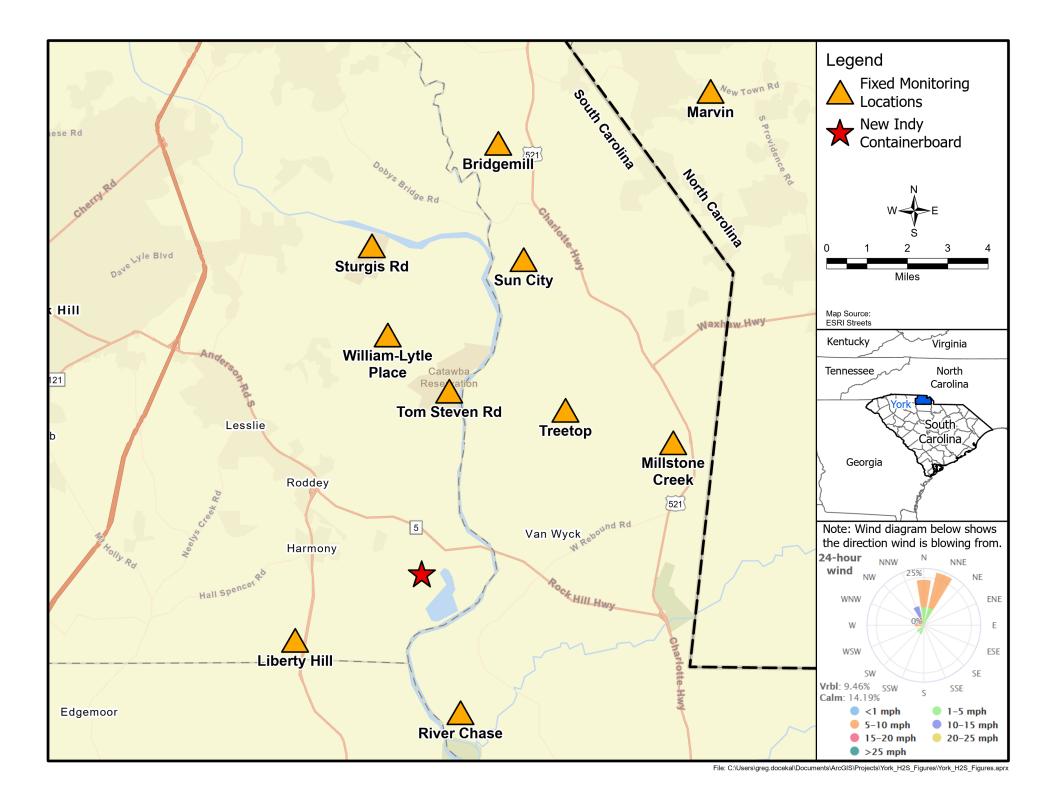
H₂S Hydrogen Sulfide

hr Hour

ppb Parts per billion

MRL Exceedance Defines if the 24-hr TWA exceeded the MRL at any time during the period of this report

SPM Single Point Monitor
TWA Time Weighted Avergage



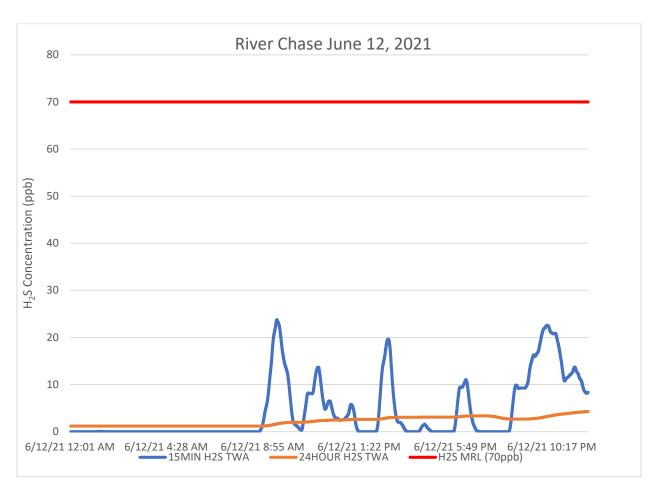
H₂S in South and North Carolina

Hydrogen Sulfide 15-min and 24-hr Time Weighted Graphs

Only locations where hydrogen sulfide was detected during the current reporting period are graphed below.

The prevailing wind directions for this reporting period were out of the north-northeast and north with a smaller percentage out of the north-northwest. See wind rose diagram on location figure for full wind data during this reporting period.

The following locations did not detect hydrogen sulfide above 1 part per billion: William-Lytle Place, Bridgemill, Tom Steven Rd, Sturgis Rd, Marvin, and Liberty Hill.



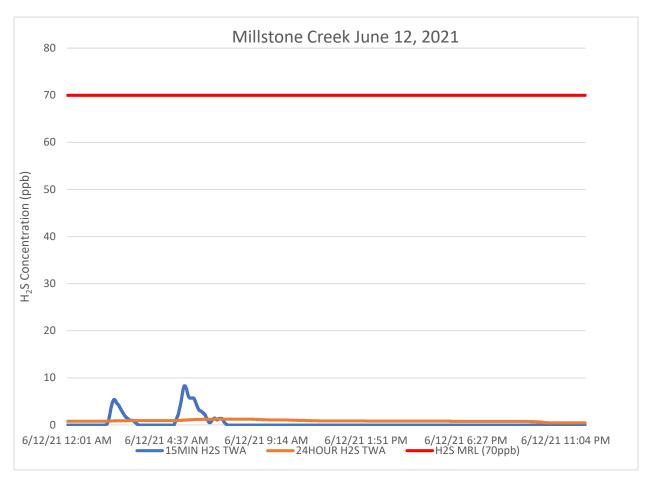
Notes:

H₂S - Hydrogen Sulfide

MIN - Minute

MRL – Minimal Risk Level

ppb – Parts per billion

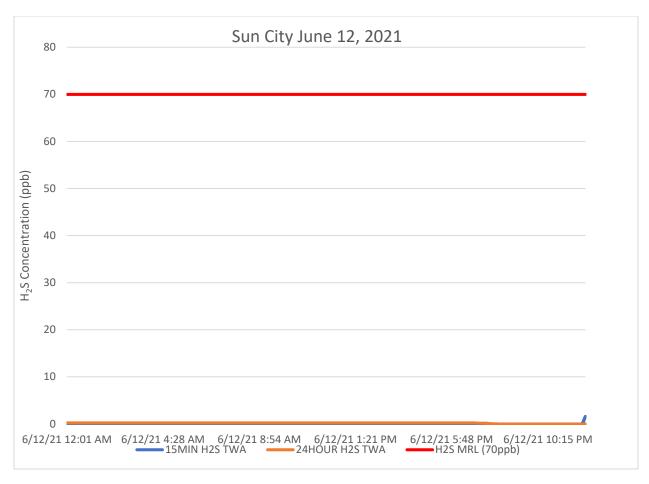


H₂S – Hydrogen Sulfide

MIN – Minute

MRL - Minimal Risk Level

ppb – Parts per billion

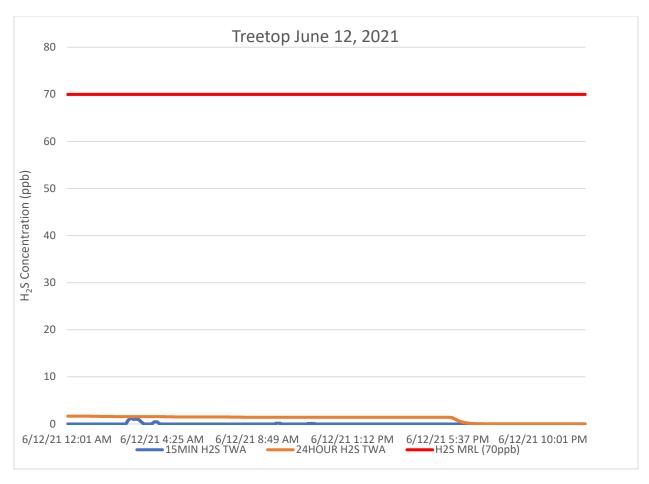


H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb - Parts per billion



H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb - Parts per billion

Air Monitoring Summary Tables

The table below summarizes monitoring data collected using EPA's Viper wireless remote monitoring system.

Project Name: H₂S in South and North Carolina

From: 6/13/21 To: 6/13/21 12:01 AM 11:59 PM



William-Lytle Place										
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL			
SPM Flex 1	H2S	No	27159	0	0 - 0 ppb	0 ppb	70 ppb			

River Chase							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 2	H2S	No	26865	5136	0 - 11 ppb	0.62 ppb	70 ppb

Millstone Creek							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 3	H2S	No	25995	0	0 - 0 ppb	0 ppb	70 ppb

Sun City							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 4	H2S	No	26974	5038	0 - 18 ppb	0.77 ppb	70 ppb

Bridgemill							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 5	H2S	No	27557	0	0 - 0 ppb	0 ppb	70 ppb

Tom Steven Rd							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 6	H2S	No	27384	0	0 - 0 ppb	0 ppb	70 ppb

Sturgis Rd	Sturgis Rd											
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL					
SPM Flex 7	H2S	No	26592	0	dqq 0 - 0	0 ppb	70 ppb					

Marvin	Marvin										
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL				
SPM Flex 8	H2S	No	26837	0	0 - 0 ppb	0 ppb	70 ppb				

Treetop							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 9	H2S	No	27255	0	0 - 0 ppb	0 ppb	70 ppb

Liberty Hill	Liberty Hill										
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL				
SPM Flex 10	H2S	No	27524	2569	0 - 10 ppb	0.41 ppb	70 ppb				

Notes

Hydrogen sulfide concentrations presented in this data summary table are converted from parts per million, the instrument readout units, to parts per billion.

ATSDR MRL Agency for Toxic Substances and Disease Registry Minimal Risk Level - Acute Exposure (<14 days)

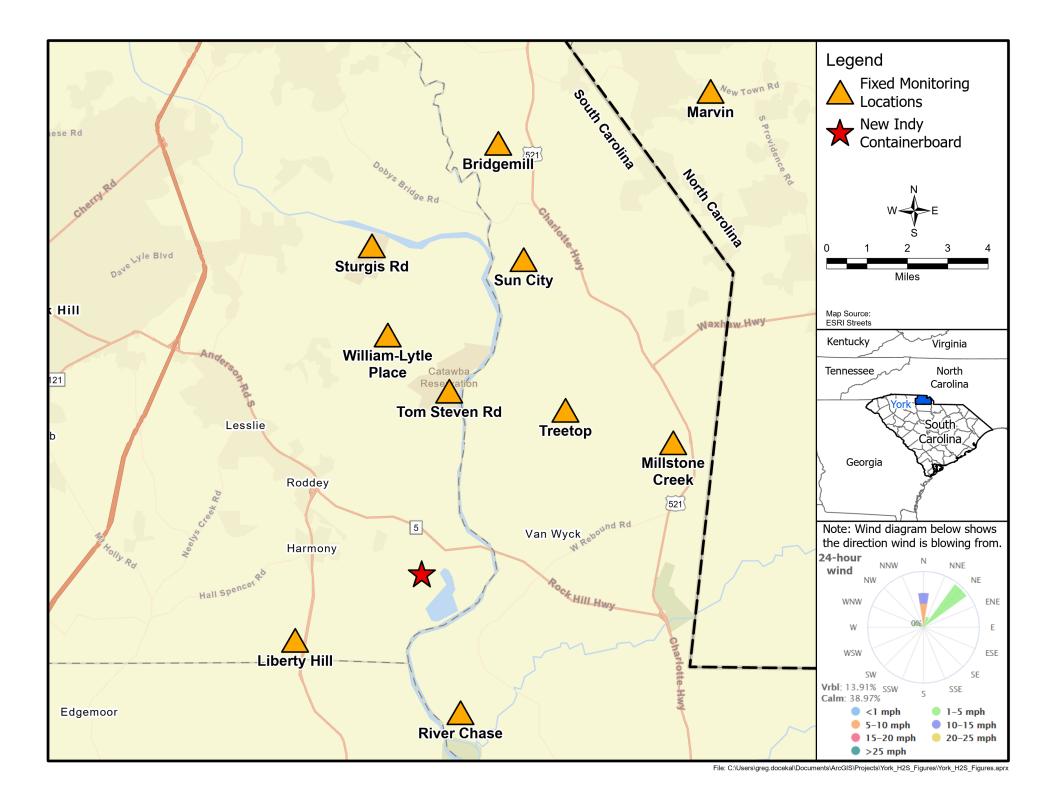
H₂S Hydrogen Sulfide

hr Hour

ppb Parts per billion

 ${\sf MRL}\ {\sf Exceedance} \quad {\sf Defines}\ {\sf if}\ {\sf the}\ {\sf 24-hr}\ {\sf TWA}\ {\sf exceeded}\ {\sf the}\ {\sf MRL}\ {\sf at}\ {\sf any}\ {\sf time}\ {\sf during}\ {\sf the}\ {\sf period}\ {\sf of}\ {\sf this}\ {\sf report}$

SPM Single Point Monitor
TWA Time Weighted Avergage



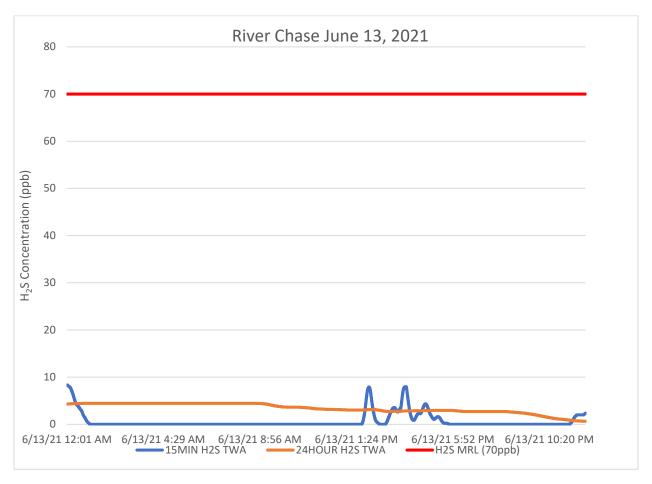
H₂S in South and North Carolina

Hydrogen Sulfide 15-min and 24-hr Time Weighted Graphs

Only locations where hydrogen sulfide was detected during the current reporting period are graphed below.

The prevailing wind directions for this reporting period were out of the northeast and north with a smaller percentage out of the north-northeast. See wind rose diagram on location figure for full wind data during this reporting period.

The following locations did not detect hydrogen sulfide above 1 part per billion: William-Lytle Place, Millstone Creek, Bridgemill, Tom Steven Rd, Sturgis Rd, Marvin, and Treetop.



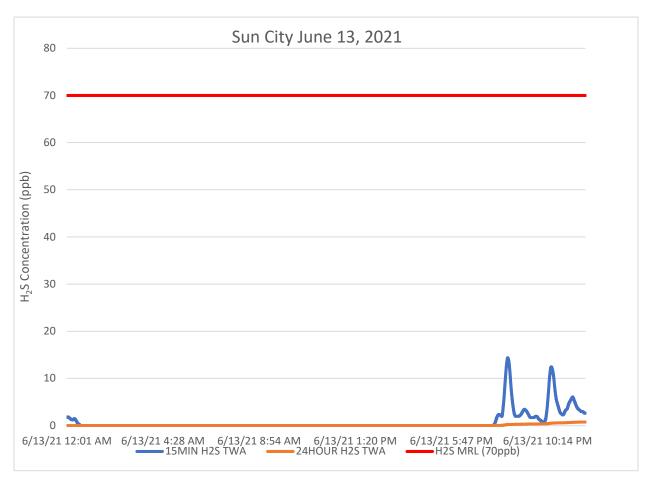
Notes:

H₂S - Hydrogen Sulfide

MIN - Minute

MRL – Minimal Risk Level

ppb – Parts per billion

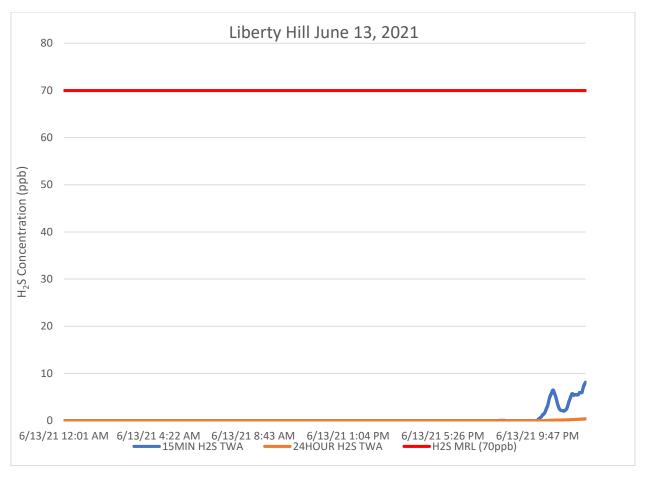


H₂S – Hydrogen Sulfide

MIN – Minute

MRL - Minimal Risk Level

ppb – Parts per billion



H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb - Parts per billion

Air Monitoring Summary Tables

The table below summarizes monitoring data collected using EPA's Viper wireless remote monitoring system.

Project Name: H₂S in South and North Carolina

From: 6/14/21 To: 6/14/21 12:01 AM 11:59 PM

ATSDR MRL

Exceedance?



ATSDR MRL

Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 1	H2S	No	26540	3419	0 - 89 ppb	2.9 ppb	70 ppb
er Chase		ATODD MDI	Number	Noveber of			
ver Chase	Analyte	ATSDR MRL	Number of	Number of	Concentration Range	Period Average	ATSDR MRI
ver Chase Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL

		=xcccaaiico:	rtoddingo	20100110110			
SPM Flex 3	H2S	No	26006	10704	0 - 21 ppb	1.79 ppb	70 ppb
Sun City							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 4	H2S	No	26920	10167	0 - 33 ppb	3.91 ppb	70 ppb

Number of

Detections

Concentration Range

Period Average

Number of

Readings

211 111										
Bridgemill										
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL			
SPM Flex 5	H2S	No	27501	6061	0 - 16 ppb	1.38 nnh	70 ppb			

Tom Steven Rd	Tom Steven Rd										
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL				
SPM Flex 6	H2S	No	27394	7410	0 - 92 ppb	5.02 ppb	70 ppb				

Sturgis Rd	Sturgis Rd Sturgis Rd											
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL					
SPM Flex 7	H2S	No	26579	2176	0 - 74 ppb	2.08 ppb	70 ppb					

Marvin	Marvin										
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL				
SPM Flex 8	H2S	No	26782	7065	0 - 17 ppb	1.43 ppb	70 ppb				

Treetop							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 9	H2S	No	27210	7058	0 - 20 ppb	1.26 ppb	70 ppb

Liberty Hill							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 10	H2S	No	27527	1350	0 - 9 ppb	0.16 ppb	70 ppb

Notes:

Hydrogen sulfide concentrations presented in this data summary table are converted from parts per million, the instrument readout units, to parts per billion.

ATSDR MRL Agency for Toxic Substances and Disease Registry Minimal Risk Level - Acute Exposure (<14 days)

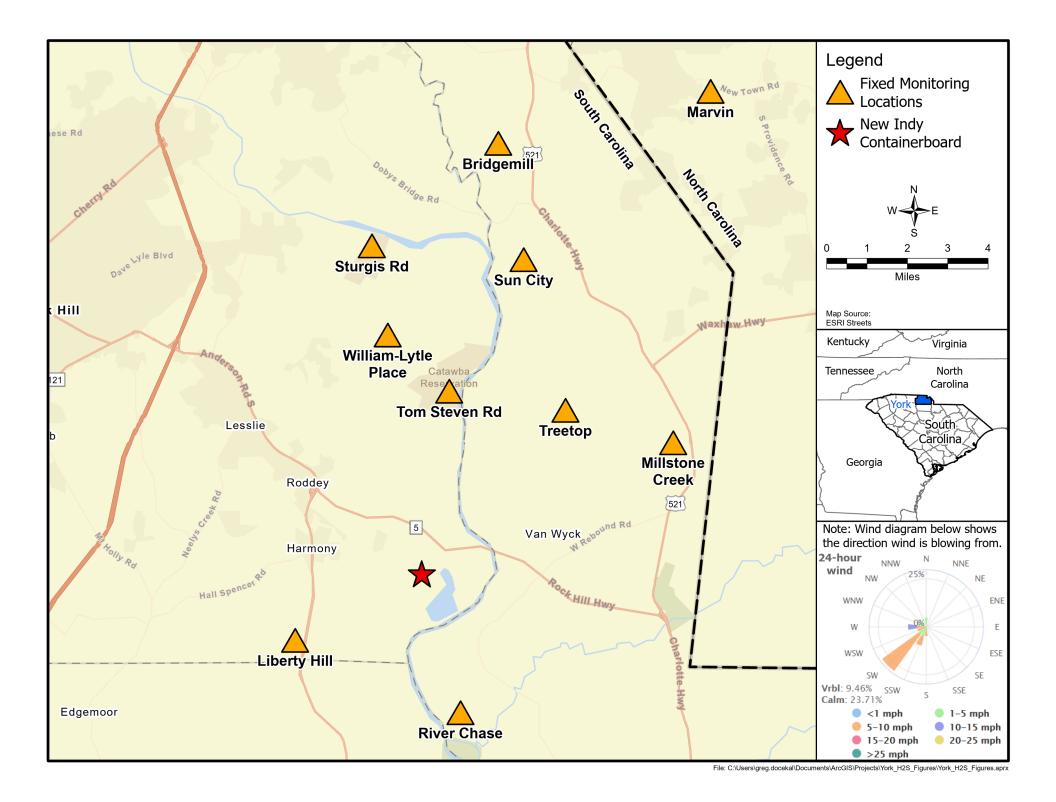
H₂S Hydrogen Sulfide

hr Hour

ppb Parts per billion

 ${\sf MRL}\ {\sf Exceedance} \quad {\sf Defines}\ {\sf if}\ {\sf the}\ {\sf 24-hr}\ {\sf TWA}\ {\sf exceeded}\ {\sf the}\ {\sf MRL}\ {\sf at}\ {\sf any}\ {\sf time}\ {\sf during}\ {\sf the}\ {\sf period}\ {\sf of}\ {\sf this}\ {\sf report}$

SPM Single Point Monitor
TWA Time Weighted Avergage



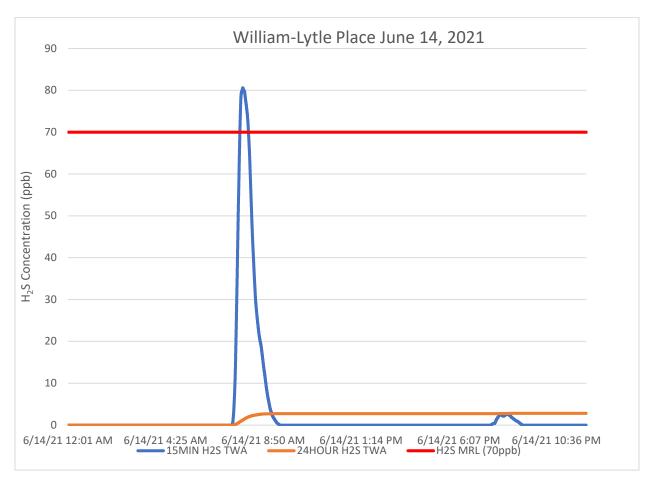
H₂S in South and North Carolina

Hydrogen Sulfide 15-min and 24-hr Time Weighted Graphs

Only locations where hydrogen sulfide was detected during the current reporting period are graphed below.

The prevailing wind directions for this reporting period were out of the southwest with smaller percentages out of the west, west-northwest, west-southwest, south-southwest, north, and south. See wind rose diagram on location figure for full wind data during this reporting period.

All locations detected hydrogen sulfide above 1 part per billion for this reporting period.



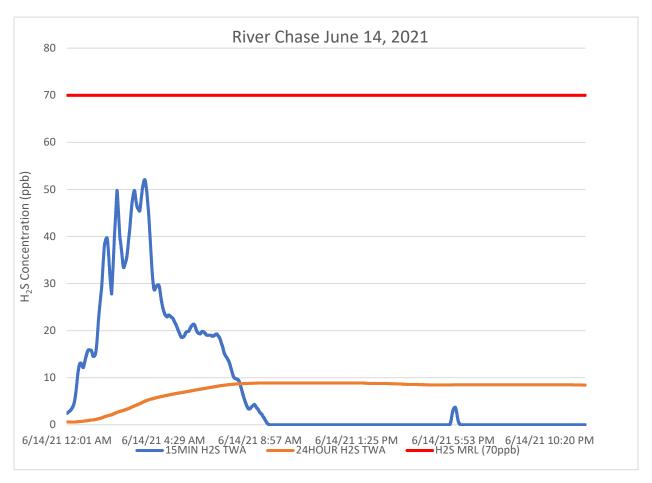
Notes:

H₂S – Hydrogen Sulfide

MIN - Minute

MRL - Minimal Risk Level

ppb - Parts per billion

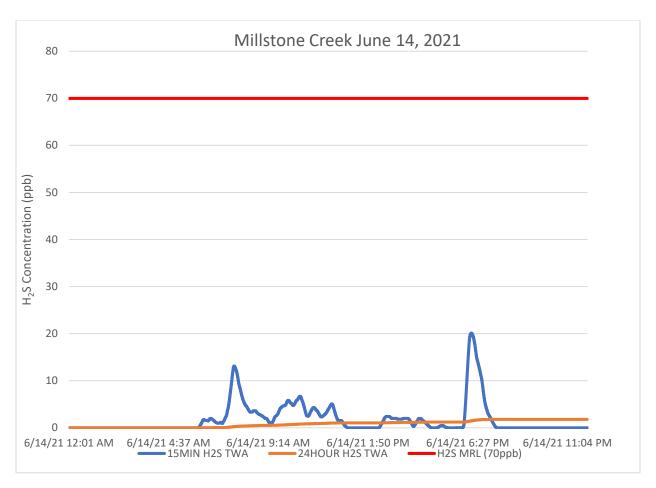


H₂S – Hydrogen Sulfide

MIN – Minute

MRL - Minimal Risk Level

ppb – Parts per billion

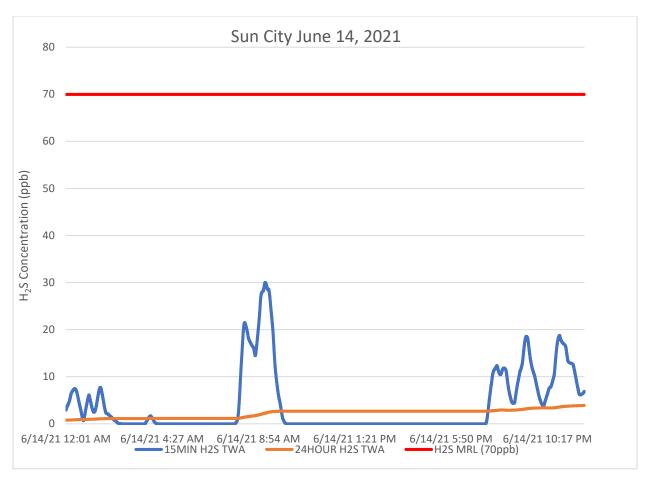


H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb - Parts per billion

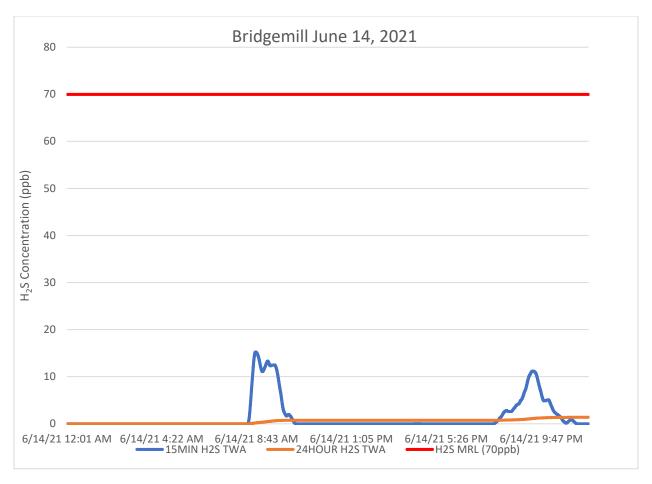


H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb - Parts per billion

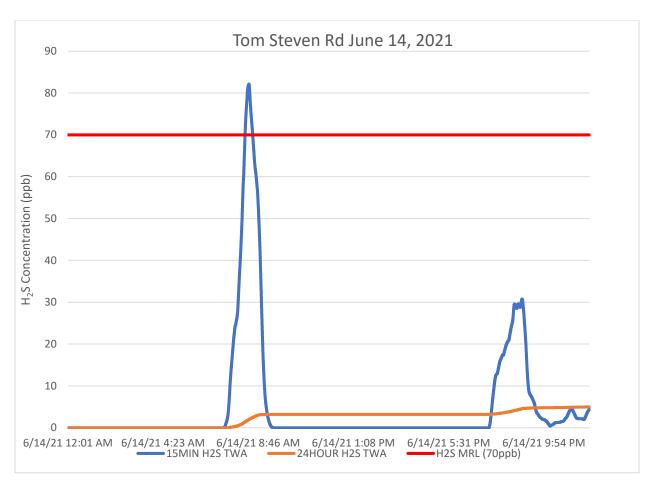


H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb - Parts per billion

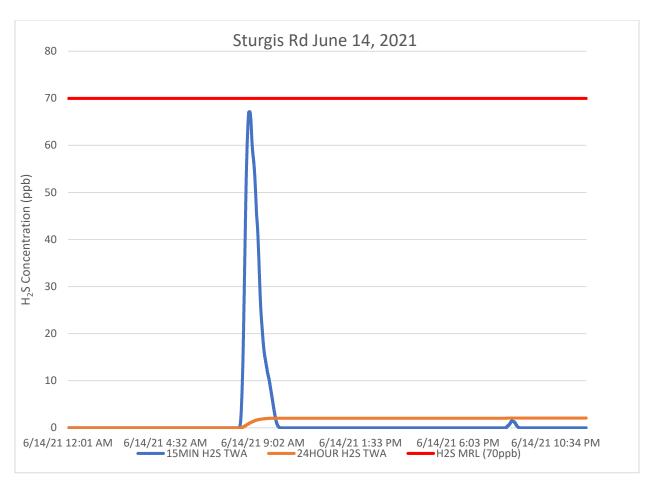


H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb - Parts per billion

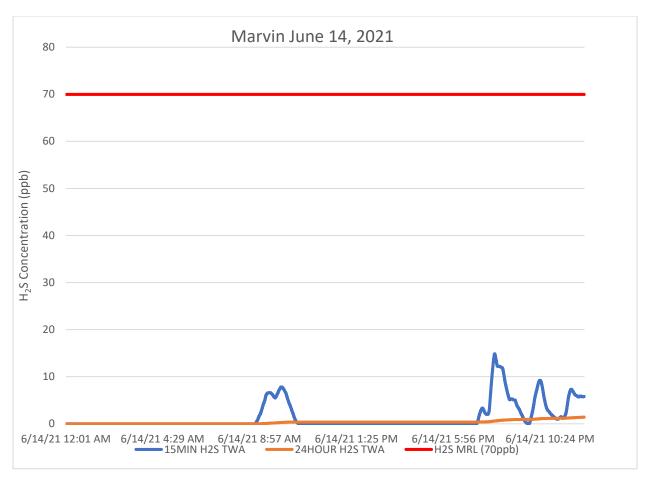


H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb - Parts per billion

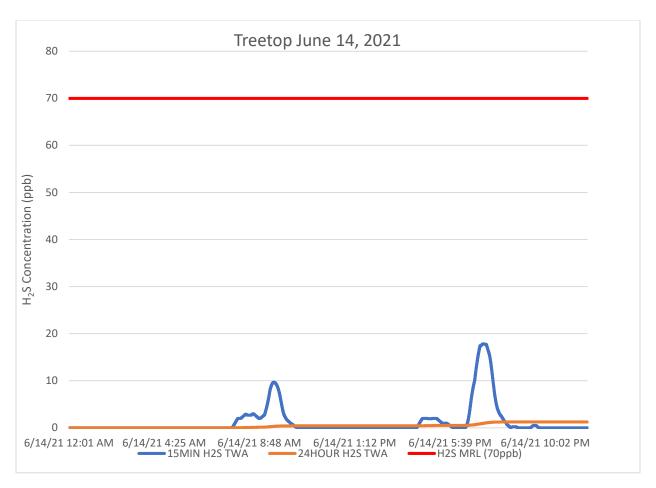


H₂S – Hydrogen Sulfide

MIN – Minute

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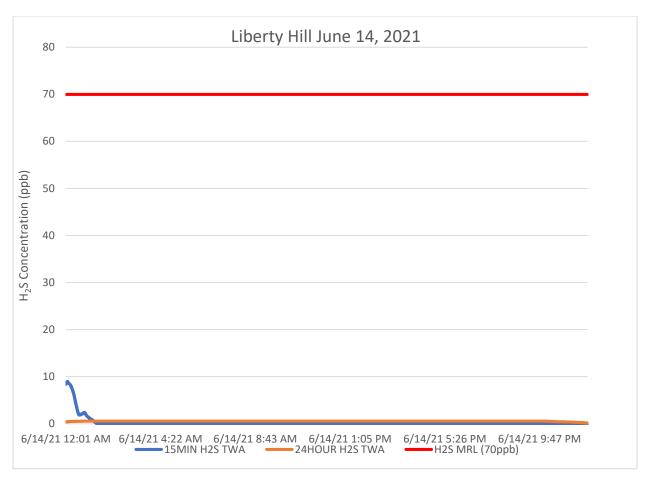


H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

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H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb - Parts per billion

Air Monitoring Summary Tables

The table below summarizes monitoring data collected using EPA's Viper wireless remote monitoring system.

Project Name: H₂S in South and North Carolina

From: 6/15/21 To: 6/15/21 12:01 AM 11:59 PM



William-Lytle Place										
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL			
SPM Flex 1	H2S	No	26809	0	0 - 0 ppb	0 ppb	70 ppb			

River Chase							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 2	H2S	No	26846	9770	0 - 18 ppb	1.88 ppb	70 ppb

Millstone Creek										
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL			
SPM Flex 3	H2S	No	25998	4830	0 - 30 ppb	1.87 ppb	70 ppb			

Sun City							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 4	H2S	No	26928	8991	0 - 10 ppb	0.88 ppb	70 ppb

Bridgemill							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 5	H2S	No	27526	1744	0 - 2 ppb	0.11 ppb	70 ppb

Tom Steven Rd	Tom Steven Rd										
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL				
SPM Flex 6	H2S	No	27328	6854	0 - 10 ppb	0.97 ppb	70 ppb				

Sturgis Rd							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 7	H2S	No	26528	0	0 - 0 ppb	0 ppb	70 ppb

Marvin									
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL		
SPM Flex 8	H2S	No	26822	6480	0 - 13 ppb	1.12 ppb	70 ppb		

Treetop	Treetop										
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL				
SPM Flex 9	H2S	No	27251	3996	0 - 3 ppb	0.21 ppb	70 ppb				

Liberty Hill	Liberty Hill										
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL				
SPM Flex 10	H2S	No	27492	0	0 - 0 ppb	0 ppb	70 ppb				

Notes

Hydrogen sulfide concentrations presented in this data summary table are converted from parts per million, the instrument readout units, to parts per billion.

ATSDR MRL Agency for Toxic Substances and Disease Registry Minimal Risk Level - Acute Exposure (<14 days)

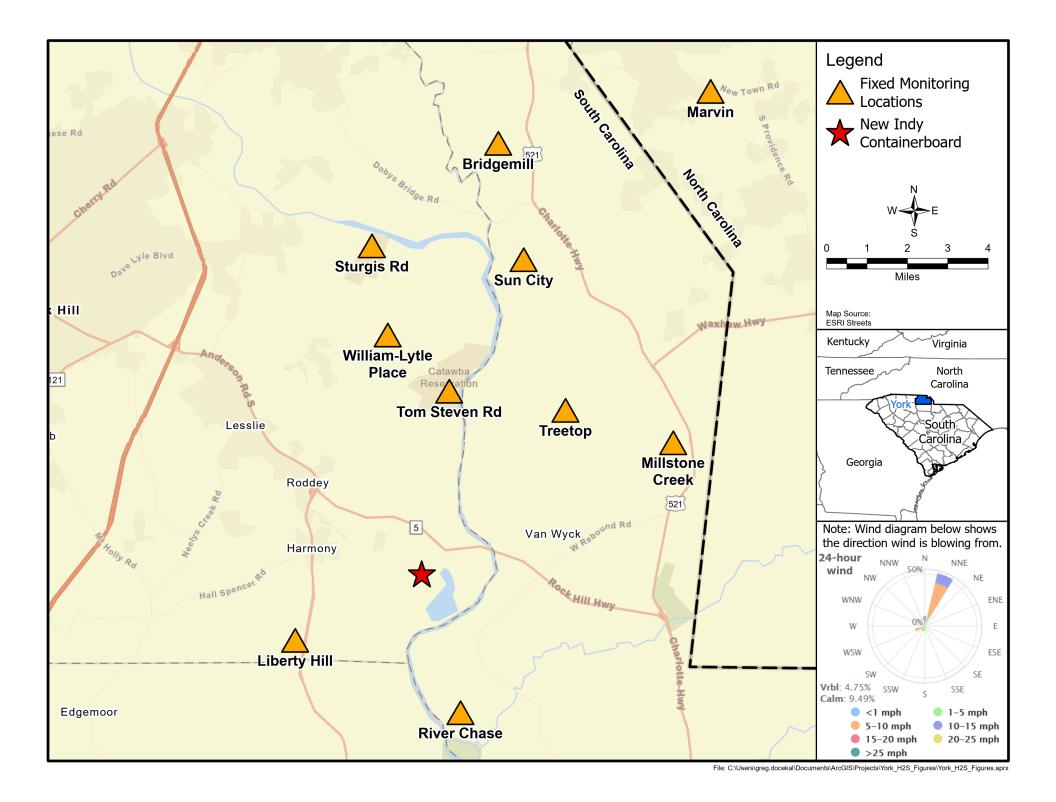
H₂S Hydrogen Sulfide

hr Hour

ppb Parts per billion

 ${\sf MRL}\ {\sf Exceedance} \quad {\sf Defines}\ {\sf if}\ {\sf the}\ {\sf 24-hr}\ {\sf TWA}\ {\sf exceeded}\ {\sf the}\ {\sf MRL}\ {\sf at}\ {\sf any}\ {\sf time}\ {\sf during}\ {\sf the}\ {\sf period}\ {\sf of}\ {\sf this}\ {\sf report}$

SPM Single Point Monitor
TWA Time Weighted Avergage



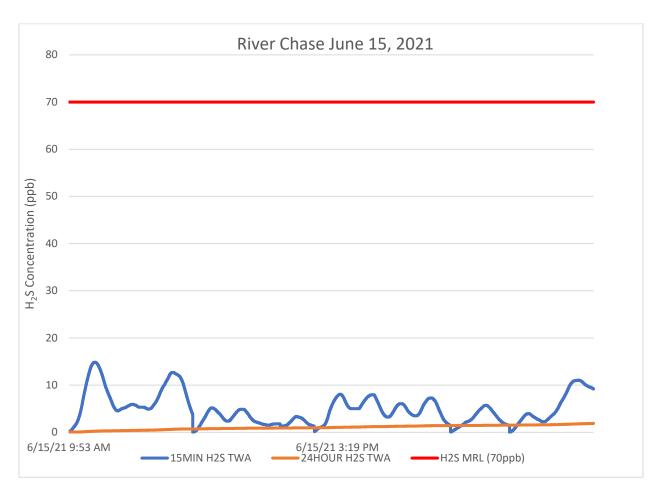
H₂S in South and North Carolina

Hydrogen Sulfide 15-min and 24-hr Time Weighted Graphs

Only locations where hydrogen sulfide was detected during the current reporting period are graphed below.

The prevailing wind directions for this reporting period were out of the north-northeast with smaller percentages out of the north, west-southwest, and south-southwest. See wind rose diagram on location figure for full wind data during this reporting period.

The following locations did not detect hydrogen sulfide above 1 part per billion: William-Lytle Place, Sturgis Rd, and Liberty Hill.



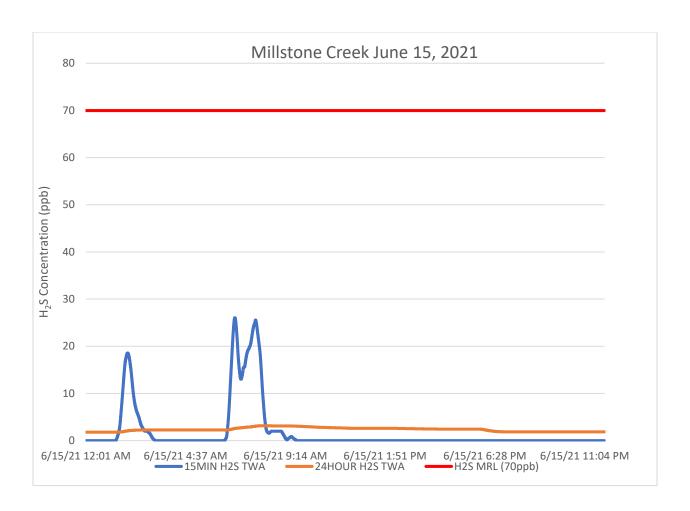
Notes:

H₂S - Hydrogen Sulfide

MIN - Minute

MRL – Minimal Risk Level

ppb – Parts per billion

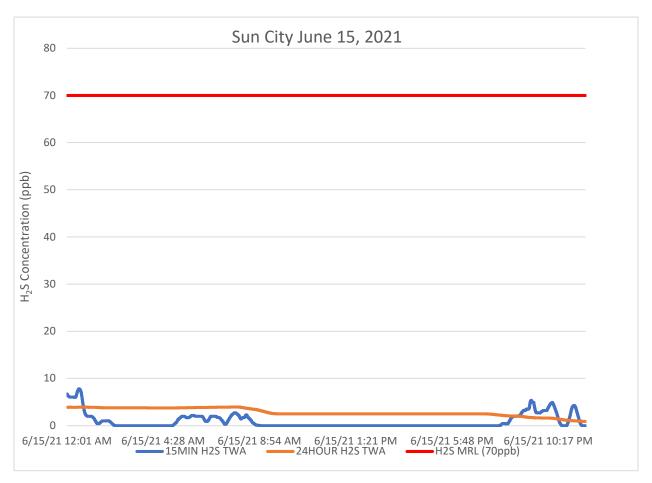


H₂S – Hydrogen Sulfide

MIN – Minute

MRL - Minimal Risk Level

ppb – Parts per billion

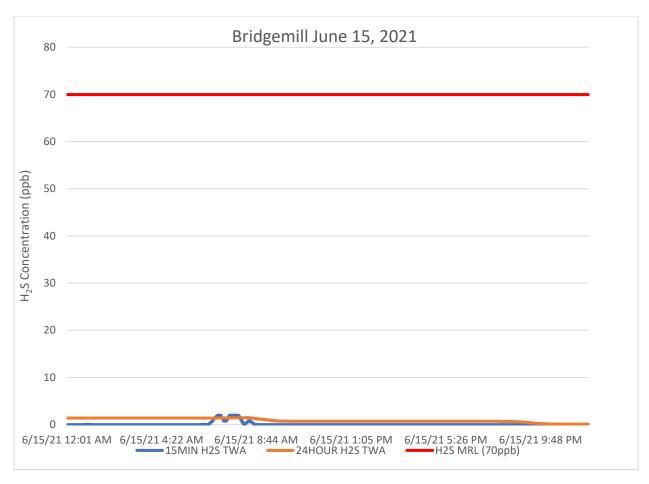


H₂S – Hydrogen Sulfide

MIN – Minute

MRL - Minimal Risk Level

ppb – Parts per billion

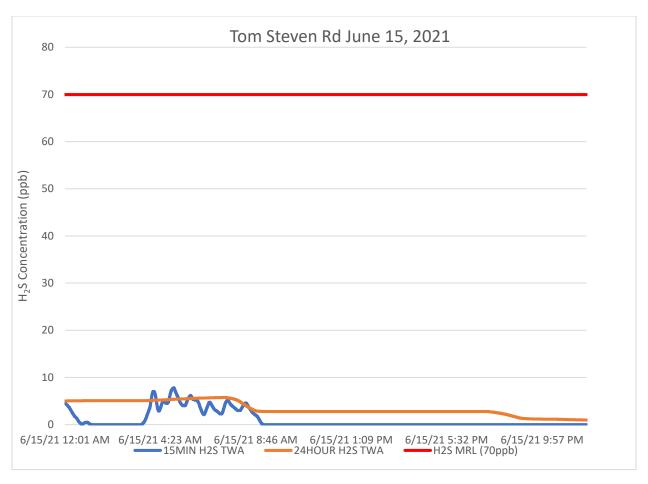


H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb - Parts per billion

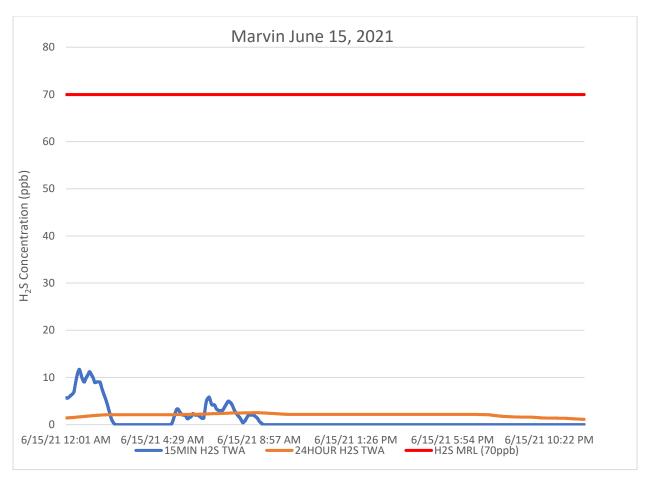


H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb - Parts per billion

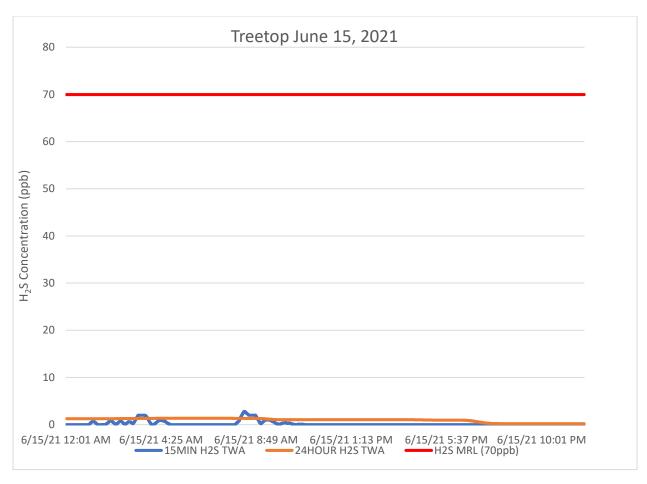


H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb - Parts per billion



H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb - Parts per billion

Air Monitoring Summary Tables

The table below summarizes monitoring data collected using EPA's Viper wireless remote monitoring system.

Project Name: H₂S in South and North Carolina

From: 6/16/21 To: 6/16/21 12:01 AM 11:59 PM



m-Lytle Place							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 1	H2S	No	26820	0	0 - 0 ppb	0 ppb	70 ppb
er Chase							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 2	H2S	No	26891	10589	0 - 34 ppb	5.72 ppb	70 ppb
Istone Creek							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 3	H2S	No	26022	0	0 - 0 ppb	0 ppb	70 ppb
n City							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 4	H2S	No	26936	6063	0 - 5 ppb	0.42 ppb	70 ppb
dgemill							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 5	H2S	No	27536	0	0 - 0 ppb	0 ppb	70 ppb
Ct D.I							
n Steven Rd		ATSDR MRL	Number of	Numberet	<u> </u>	ı	
Instrument	Analyte	Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 6	H2S	No	27249	0	0 - 0 ppb	0 ppb	70 ppb
rgis Rd							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 7	H2S	No	26618	0	0 - 0 ppb	0 ppb	70 ppb

Marvin										
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL			
SPM Flex 8	H2S	No	26833	0	0 - 0 ppb	0 ppb	70 ppb			

Treetop										
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL			
SPM Flex 9	H2S	No	27268	0	0 - 0 ppb	0 ppb	70 ppb			

Liberty Hill										
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL			
SPM Flex 10	H2S	No	27536	0	0 - 0 ppb	0 ppb	70 ppb			

Notes

Hydrogen sulfide concentrations presented in this data summary table are converted from parts per million, the instrument readout units, to parts per billion.

ATSDR MRL Agency for Toxic Substances and Disease Registry Minimal Risk Level - Acute Exposure (<14 days)

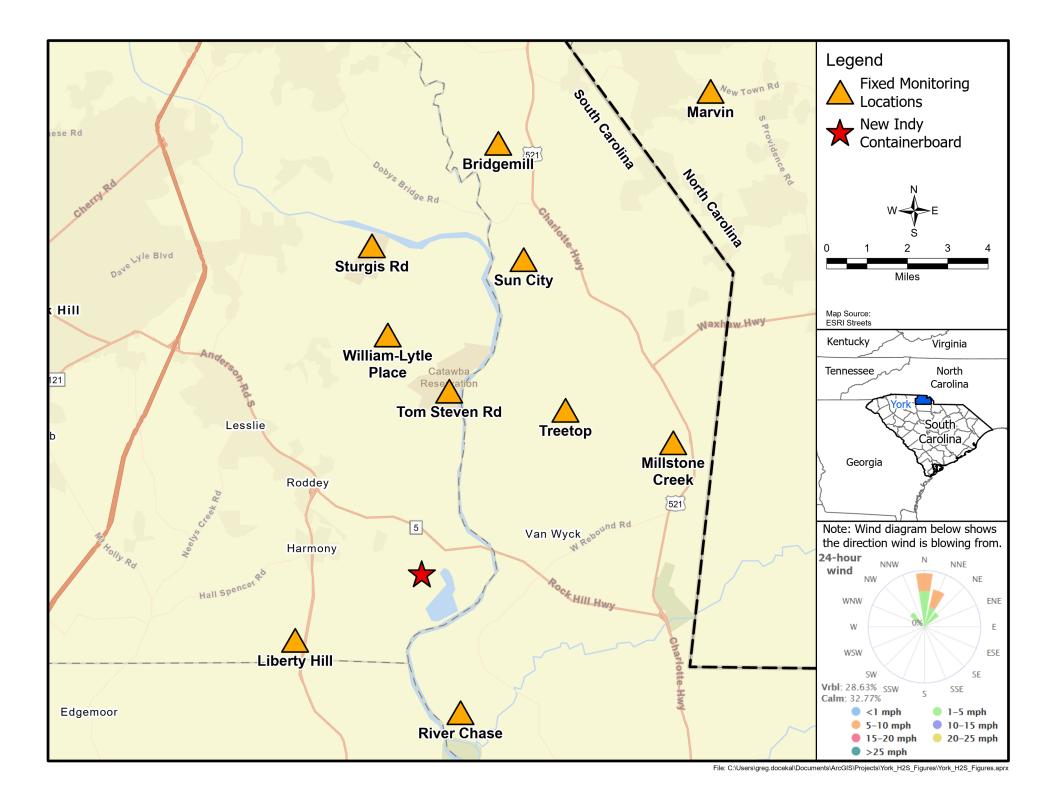
H₂S Hydrogen Sulfide

hr Hour

ppb Parts per billion

MRL Exceedance Defines if the 24-hr TWA exceeded the MRL at any time during the period of this report

SPM Single Point Monitor
TWA Time Weighted Avergage



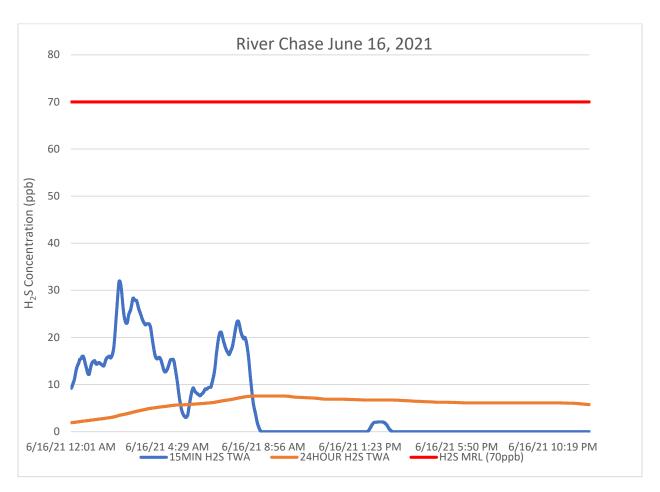
H₂S in South and North Carolina

Hydrogen Sulfide 15-min and 24-hr Time Weighted Graphs

Only locations where hydrogen sulfide was detected during the current reporting period are graphed below.

The prevailing wind directions for this reporting period were out of the north and north-northeast with smaller percentages out of the northeast and northwest. See wind rose diagram on location figure for full wind data during this reporting period.

The following locations did not detect hydrogen sulfide above 1 part per billion: William-Lytle Place, Millstone Creek, Bridgemill, Tom Steven Rd, Sturgis Rd, Marvin, Treetop and Liberty Hill.



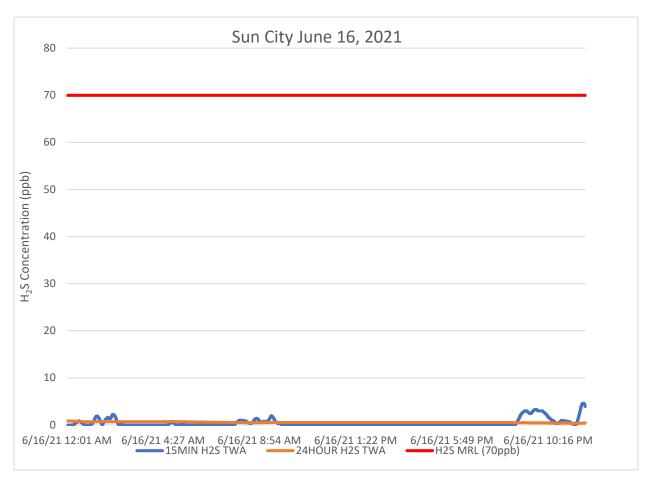
Notes:

H₂S - Hydrogen Sulfide

MIN - Minute

MRL – Minimal Risk Level

ppb - Parts per billion



H₂S – Hydrogen Sulfide

MIN – Minute

MRL - Minimal Risk Level

ppb – Parts per billion

Air Monitoring Summary Tables

The table below summarizes monitoring data collected using EPA's Viper wireless remote monitoring system.

Project Name: H₂S in South and North Carolina

From: 6/17/21 To: 6/17/21 12:01 AM 11:59 PM



	12.027			11.55		AL P	ROTE
liam-Lytle Place							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 1	H2S	No	26810	1524	0 - 2 ppb	0.08 ppb	70 ppb
ver Chase							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 2	H2S	No	26830	14125	0 - 15 ppb	2.76 ppb	70 ppb
lillstone Creek							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 3	H2S	No	25997	123	0 - 2 ppb	0.01 ppb	70 ppb
un City							
Instrument	Analyte	ATSDR MRL	Number of	Number of	Concentration Range	Period Average	ATSDR MRL
SPM Flex 4	H2S	Exceedance? No	Readings 26962	Detections 2741	0 - 6 ppb	0.21 ppb	70 ppb
	-						- 1-1
ridgemill							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 5	H2S	No	27543	0	0 - 0 ppb	0 ppb	70 ppb
om Steven Rd							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 6	H2S	No	27242	186	0 - 1 ppb	0.01 ppb	70 ppb
turgis Rd							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 7	H2S	No	26574	0	0 - 0 ppb	0 ppb	70 ppb
Marvin							
Instrument	Analysto	ATSDR MRL	Number of	Number of	Concentration Range	Period Average	ATSDR MRL
SPM Flex 8	Analyte H2S	Exceedance?	Readings 26799	Detections 0	0 - 0 ppb	,	70 ppb
SHINI FIEX 8	П25	NO	20/99	U	υ - υ ρρυ	0 ppb	70 ppb
reetop							
		ATSDR MRL	Number of	Number of			

Tr	eetop							
	Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
	SPM Flex 9	H2S	No	27270	0	0 - 0 ppb	0 ppb	70 ppb
_	·	· ·	·	·	· ·			·

Liberty Hill										
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL			
SPM Flex 10	H2S	No	27541	538	0 - 1 ppb	0.02 ppb	70 ppb			

Notes

Hydrogen sulfide concentrations presented in this data summary table are converted from parts per million, the instrument readout units, to parts per billion.

ATSDR MRL Agency for Toxic Substances and Disease Registry Minimal Risk Level - Acute Exposure (<14 days)

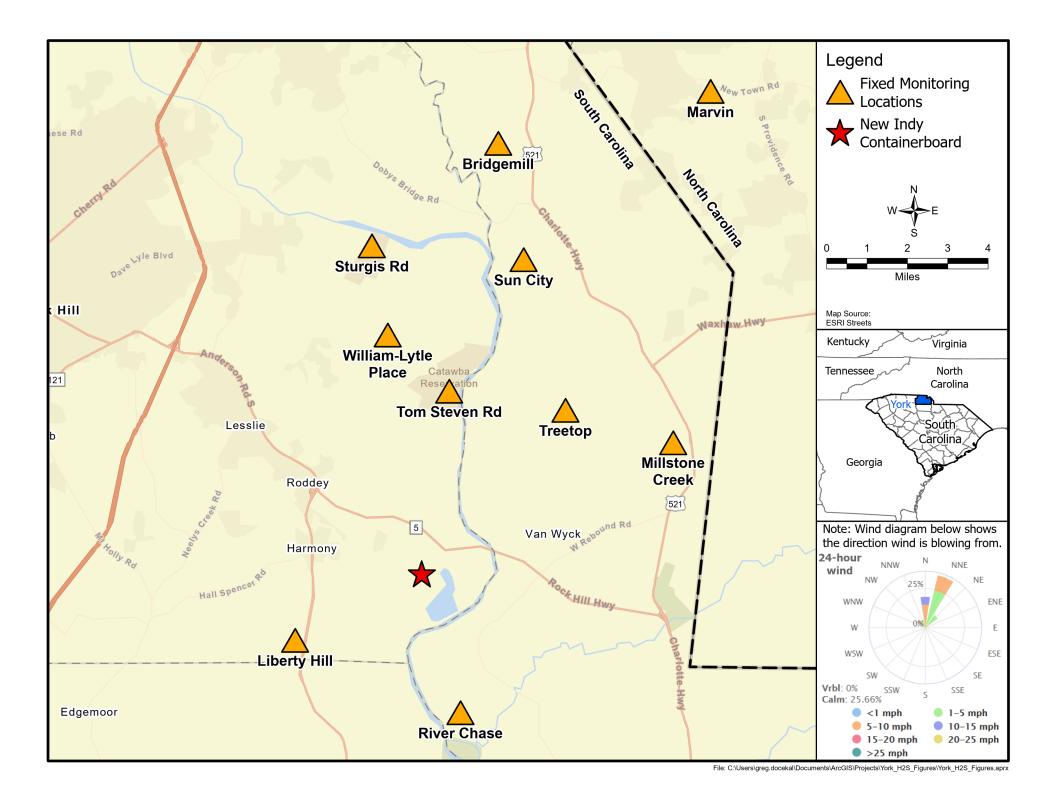
H₂S Hydrogen Sulfide

hr Hour

ppb Parts per billion

MRL Exceedance Defines if the 24-hr TWA exceeded the MRL at any time during the period of this report

SPM Single Point Monitor
TWA Time Weighted Avergage



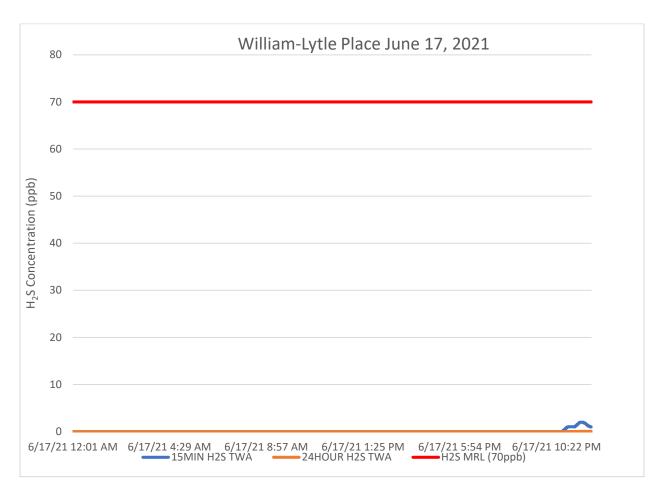
H₂S in South and North Carolina

Hydrogen Sulfide 15-min and 24-hr Time Weighted Graphs

Only locations where hydrogen sulfide was detected during the current reporting period are graphed below.

The prevailing wind directions for this reporting period were out of the north and north-northeast with smaller percentages out of the north-northwest and northeast. See wind rose diagram on location figure for full wind data during this reporting period.

The following locations did not detect hydrogen sulfide above 1 part per billion: Bridgemill, Sturgis Rd, Marvin, and Treetop.



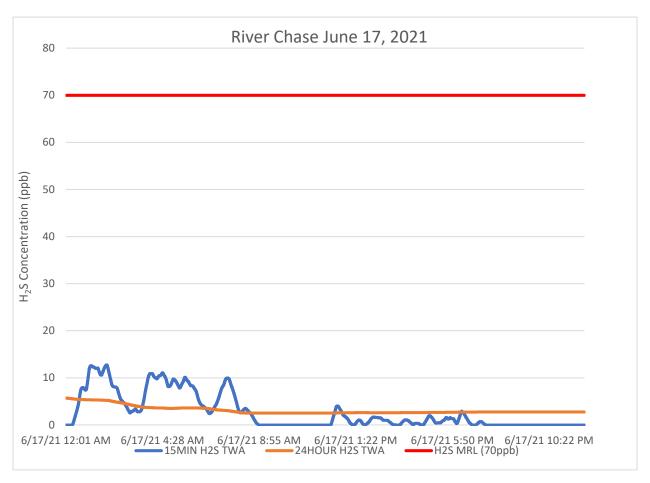
Notes:

H₂S - Hydrogen Sulfide

MIN - Minute

MRL – Minimal Risk Level

ppb - Parts per billion

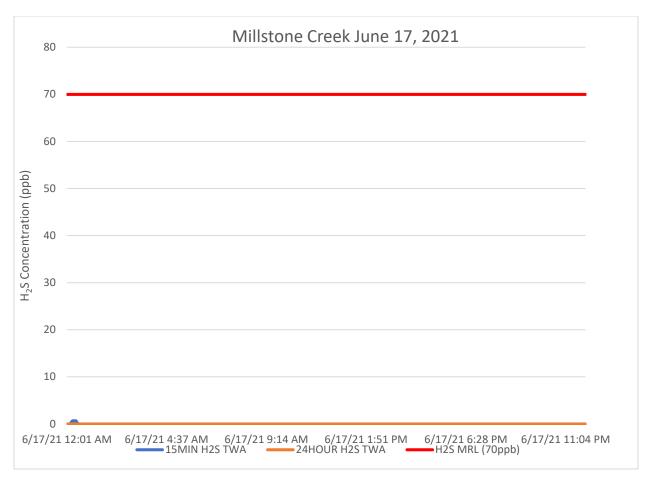


H₂S – Hydrogen Sulfide

MIN – Minute

MRL - Minimal Risk Level

ppb – Parts per billion

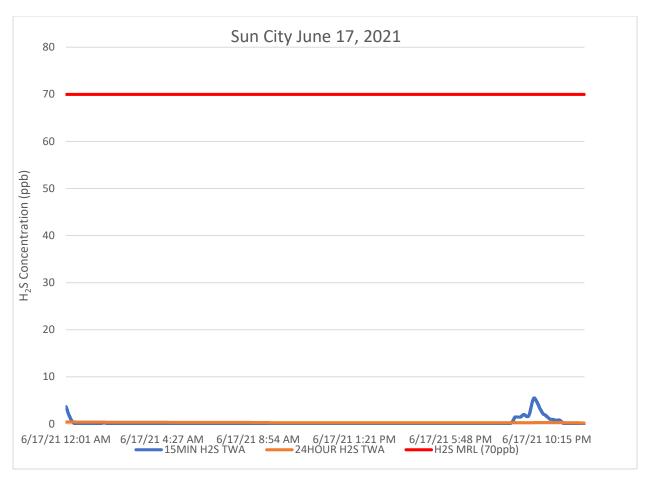


H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb - Parts per billion

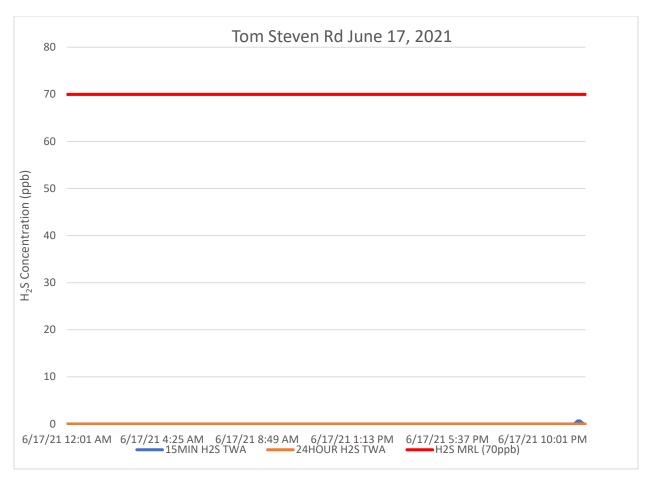


H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb - Parts per billion

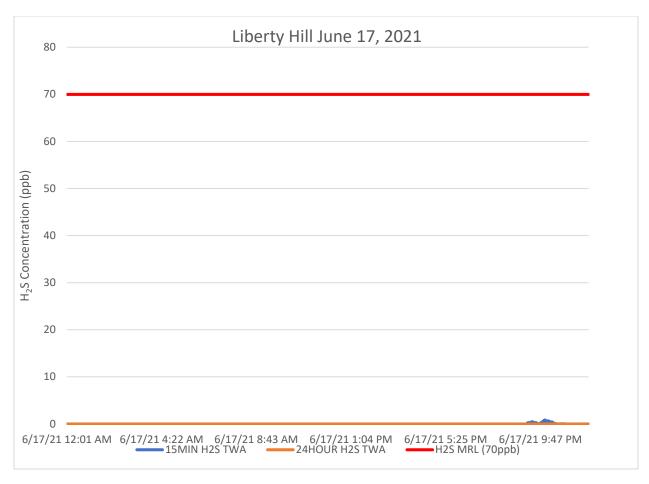


H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb - Parts per billion



H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb - Parts per billion

Air Monitoring Summary Tables

The table below summarizes monitoring data collected using EPA's Viper wireless remote monitoring system.

Project Name: H₂S in South and North Carolina

From: 6/18/21 To: 6/19/21 12:01 AM 12:01 AM



ILIVI AIII							PROTEC		
Iliam-Lytle Place									
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL		
SPM Flex 1	H2S	No	26849	12257	0 - 12 ppb	1.97 ppb	70 ppb		
ver Chase									
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL		
SPM Flex 2	H2S	No	26913	1372	0 - 3 ppb	0.08 ppb	70 ppb		
lillstone Creek									
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL		
SPM Flex 3	H2S	No	26042	95	0 - 2 ppb	0.01 ppb	70 ppb		
ın City									
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL		
SPM Flex 4	H2S	No	26924	15182	0 - 15 ppb	1.75 ppb	70 ppb		
ridgemill									
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL		
SPM Flex 5	H2S	No	27566	8522	0 - 4 ppb	0.53 ppb	70 ppb		
om Steven Rd									
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL		
	H2S	No	12673	12066	0 - 10 ppb	3.29 ppb	70 ppb		

Sturgis Rd										
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL			
SPM Flex 7	H2S	No	26613	8821	0 - 8 ppb	0.91 ppb	70 ppb			

Marvin							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 8	H2S	No	26844	379	0 - 1 ppb	0.01 ppb	70 ppb

Treetop										
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL			
SPM Flex 9	H2S	No	27278	1466	0 - 2 ppb	dqq 60.0	70 ppb			

Liberty Hill										
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL			
SPM Flex 10	H2S	No	27554	9243	0 - 16 ppb	1.83 ppb	70 ppb			

Notes

Hydrogen sulfide concentrations presented in this data summary table are converted from parts per million, the instrument readout units, to parts per billion.

ATSDR MRL Agency for Toxic Substances and Disease Registry Minimal Risk Level - Acute Exposure (<14 days)

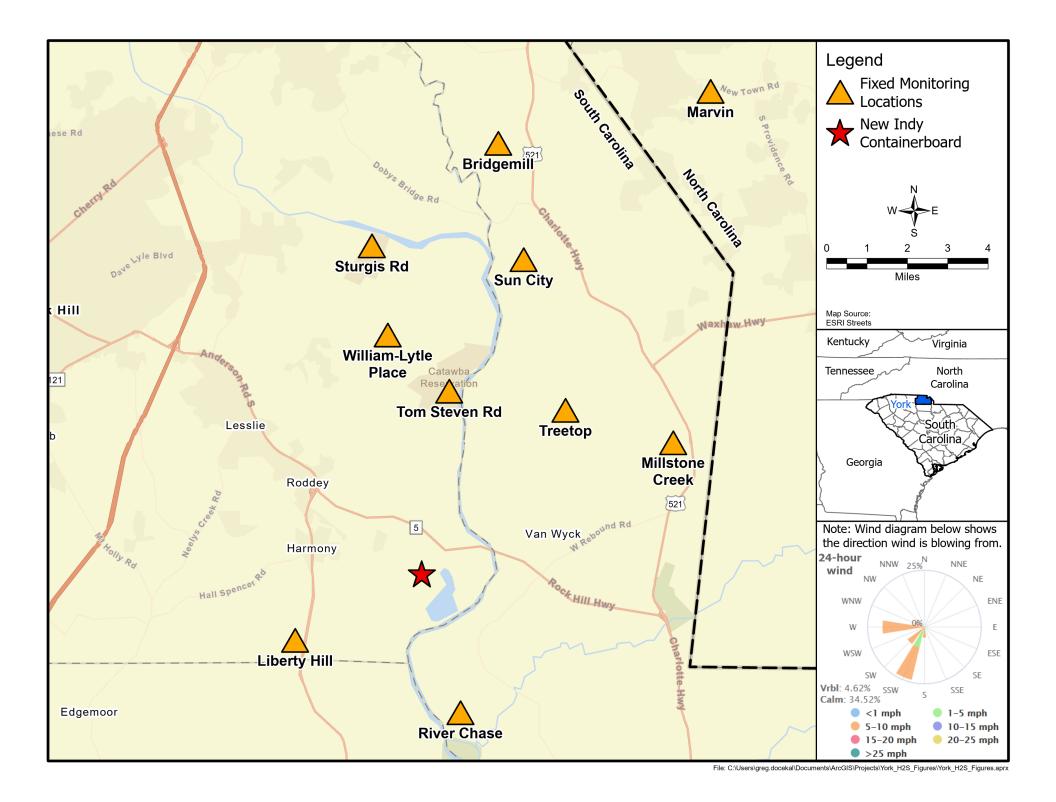
H₂S Hydrogen Sulfide

hr Hour

ppb Parts per billion

MRL Exceedance Defines if the 24-hr TWA exceeded the MRL at any time during the period of this report

SPM Single Point Monitor
TWA Time Weighted Avergage



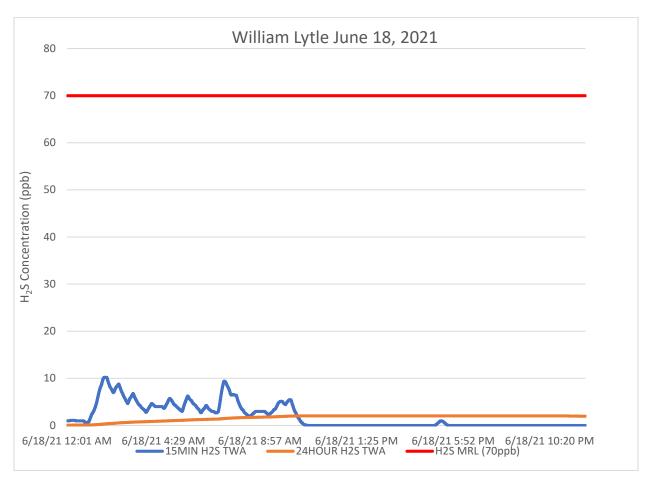
H₂S in South and North Carolina

Hydrogen Sulfide 15-min and 24-hr Time Weighted Graphs

Only locations where hydrogen sulfide was detected during the current reporting period are graphed below.

The prevailing wind directions for this reporting period were out of the south-southwest and west with smaller percentages out of the south and southwest. See wind rose diagram on location figure for full wind data during this reporting period.

All locations detected hydrogen sulfide above 1 part per billion during this reporting period.



Notes:

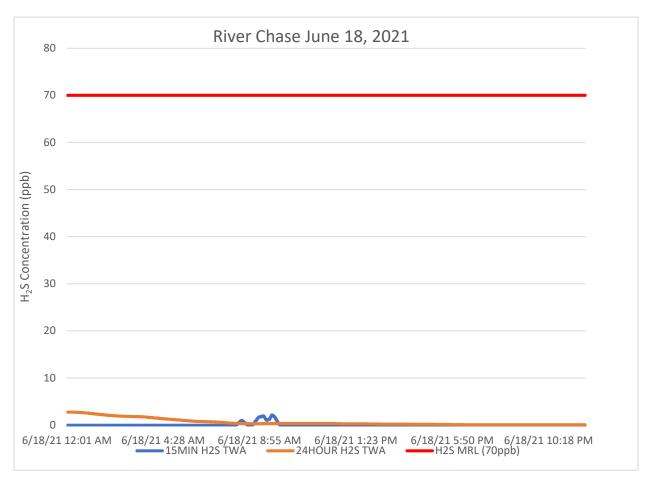
H₂S – Hydrogen Sulfide

MIN - Minute

MRL - Minimal Risk Level

ppb - Parts per billion

 $\mathsf{TWA}-\mathsf{Time}\ \mathsf{weighted}\ \mathsf{average}$

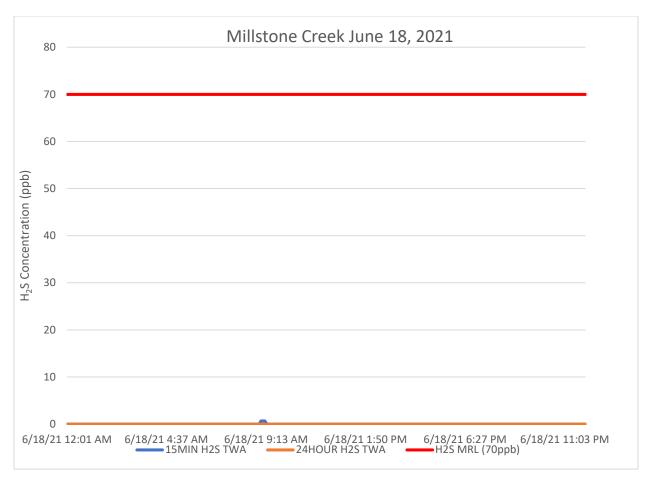


H₂S – Hydrogen Sulfide

MIN – Minute

MRL - Minimal Risk Level

ppb – Parts per billion

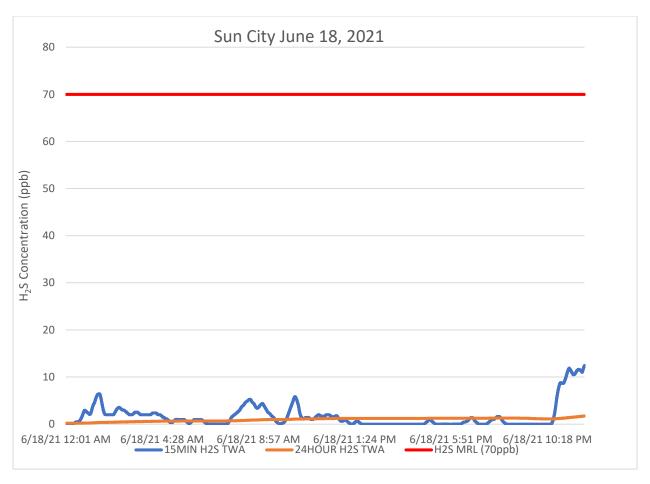


H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb - Parts per billion

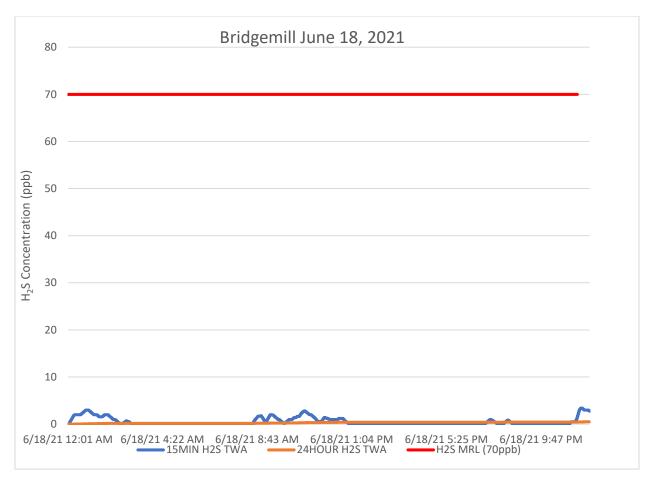


H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb - Parts per billion

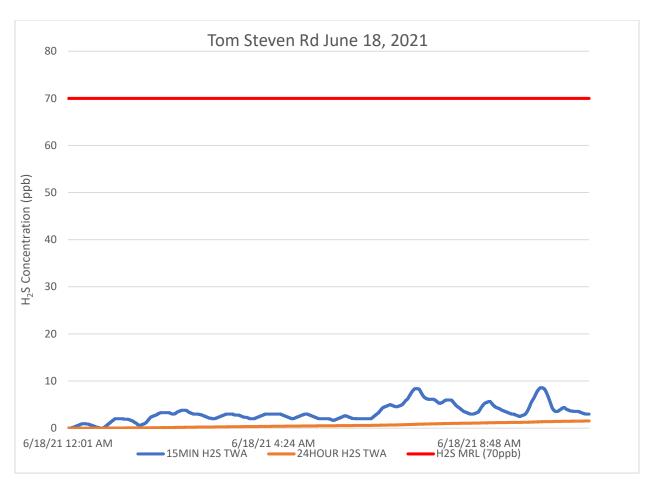


H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb - Parts per billion

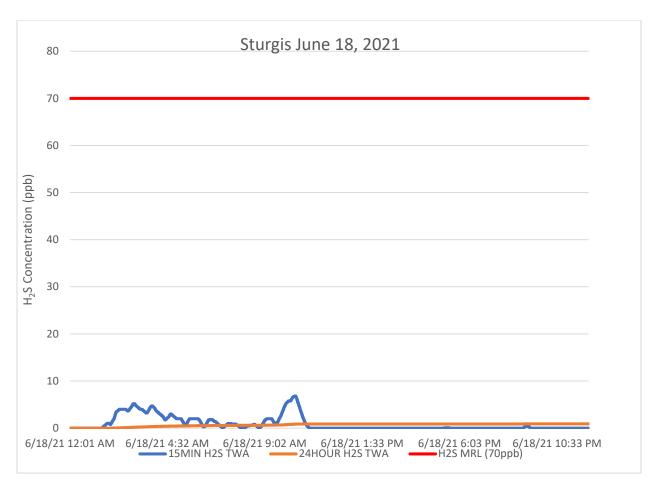


H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb - Parts per billion

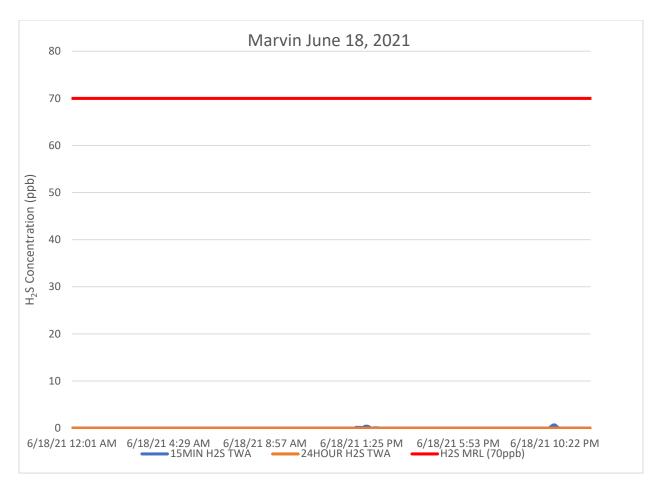


H₂S – Hydrogen Sulfide

MIN – Minute

MRL - Minimal Risk Level

ppb – Parts per billion

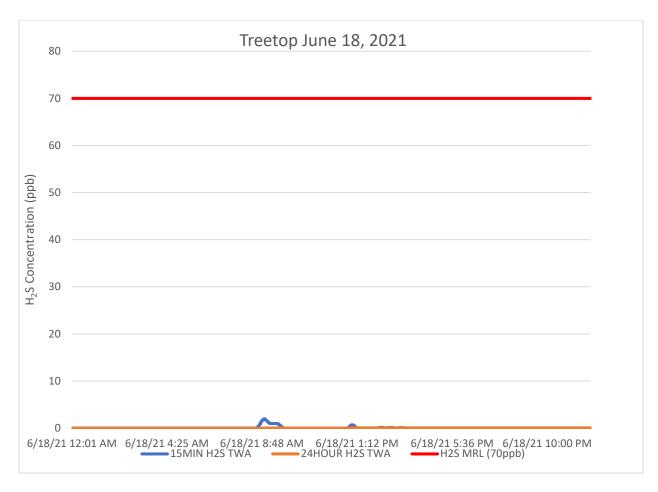


H₂S – Hydrogen Sulfide

MIN – Minute

MRL - Minimal Risk Level

ppb – Parts per billion

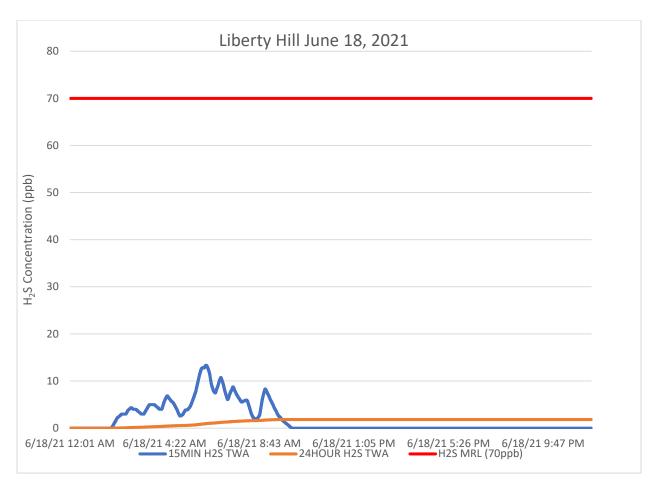


H₂S – Hydrogen Sulfide

MIN – Minute

MRL - Minimal Risk Level

ppb – Parts per billion



H₂S – Hydrogen Sulfide

MIN – Minute

MRL - Minimal Risk Level

ppb – Parts per billion

Air Monitoring Summary Tables

The table below summarizes monitoring data collected using EPA's Viper wireless remote monitoring system.

Project Name: H2S in South and North Carolina

From: 6/19/21 To: 6/20/21 12:01 AM 12:01 AM



12.01 AW			12.01 AW			PROTEC	
'illiam-Lytle Place							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 1	H2S	No	26827	0	0 - 0 ppb	0 ppb	70 ppb
iver Chase							
liver Chase		ATSDR MRL	Number of	Number of	ı		
Instrument	Analyte	Exceedance?	Readings	Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 2	H2S	No	26899	0	0 - 0 ppb	0 ppb	70 ppb
Millstone Creek							
		ATSDR MRL	Number of	Number of	1	ı	
Instrument	Analyte	Exceedance?	Readings	Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 3	H2S	No	26019	6472	0 - 9 ppb	0.82 ppb	70 ppb
un City							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 4	H2S	No	26957	4384	0 - 18 ppb	1.17 ppb	70 ppb
				•	•	•	
Bridgemill							
Instrument	Analyte	ATSDR MRL	Number of	Number of	Concentration Range	Period Average	ATSDR MRL
SPM Flex 5	H2S	Exceedance?	Readings 27475	Detections 2818	0 - 4 ppb	0.26 ppb	70 ppb
31 WHICK 3	1123	110	27473	2010	0 4 990	0.20 pps	70 pps
om Steven Rd							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 6	H2S	No	25519	2470	0 - 9 ppb	0.25 ppb	70 ppb
turgis Rd							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 7	H2S	No No	26650	57	0 - 7 ppb	0.01 ppb	70 ppb
					•	•	•
/larvin							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 8	H2S	No	26671	1346	0 - 4 ppb	0.11 ppb	70 ppb
						•	
reetop							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL

Liberty Hill												
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL					
SPM Flex 10	H2S	No	27566	0	0 - 0 ppb	0 ppb	70 ppb					

Detections

3268

0 - 5 ppb

0.23 ppb

70 ppb

Notes

SPM Flex 9

Hydrogen sulfide concentrations presented in this data summary table are converted from parts per million, the instrument readout units, to parts per billion.

Readings

27241

ATSDR MRL Agency for Toxic Substances and Disease Registry Minimal Risk Level - Acute Exposure (<14 days)

H₂S Hydrogen Sulfide

hr Hour

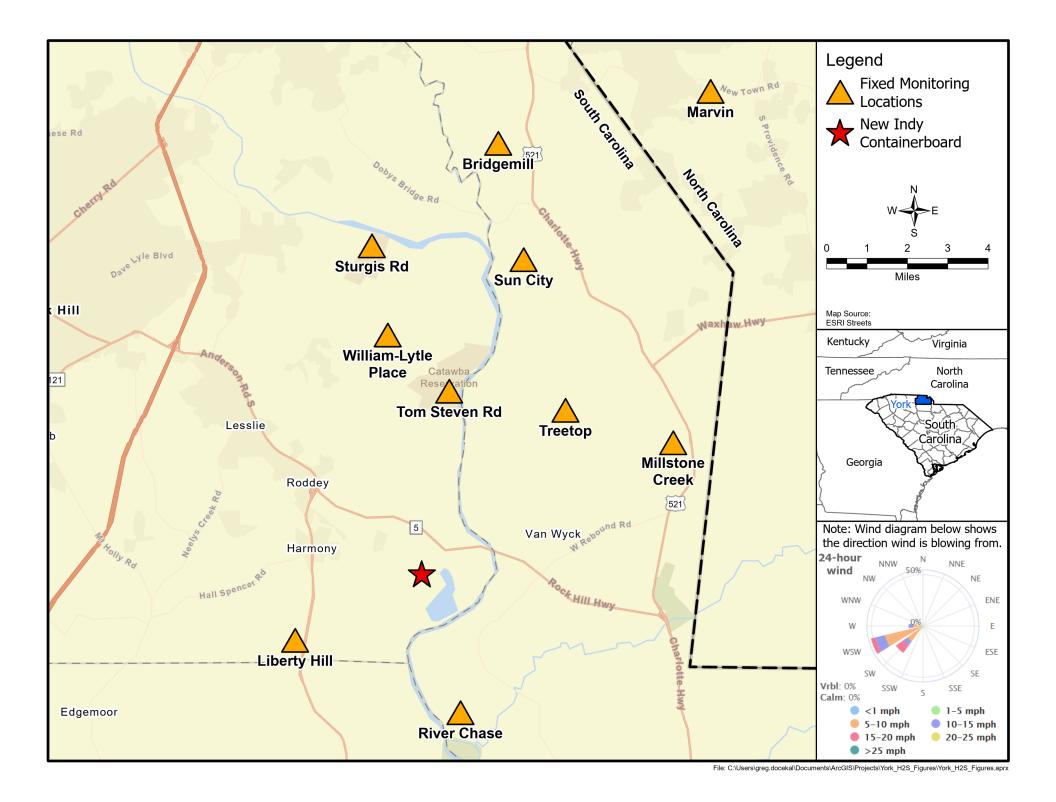
ppb Parts per billion

MRL Exceedance Defines if the 24-hr TWA exceeded the MRL at any time during the period of this report

Exceedance?

SPM Single Point Monitor
TWA Time Weighted Avergage

H2S



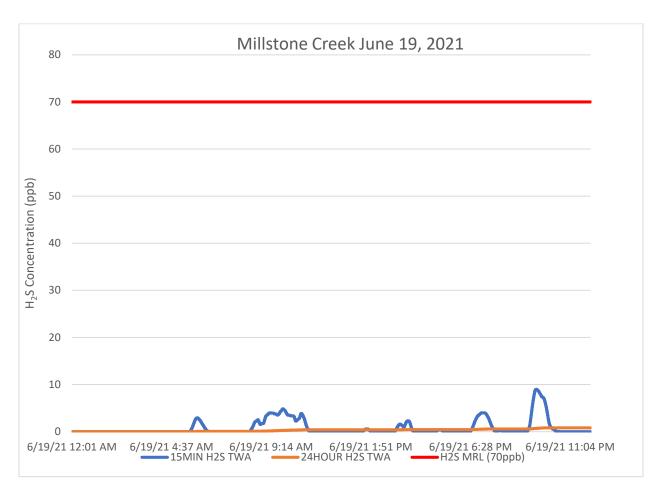
H₂S in South and North Carolina

Hydrogen Sulfide 15-min and 24-hr Time Weighted Graphs

Only locations where hydrogen sulfide was detected during the current reporting period are graphed below.

The prevailing wind directions for this reporting period were out of the west-southwest and southwest with smaller percentages out of the west. See wind rose diagram on location figure for full wind data during this reporting period.

The following locations did not detect hydrogen sulfide above 1 part per billion: William Lytle, River Chase, and Liberty Hill.



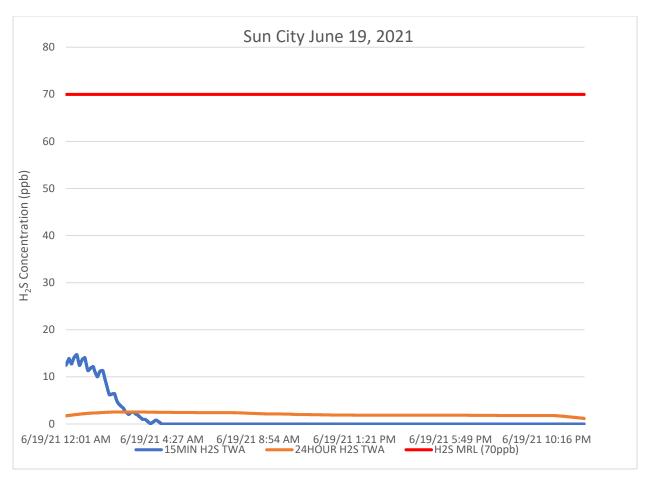
Notes:

H₂S - Hydrogen Sulfide

MIN - Minute

MRL – Minimal Risk Level

ppb – Parts per billion

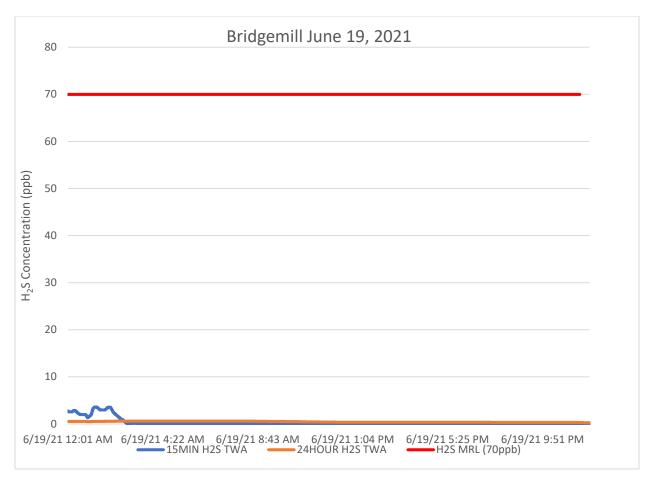


H₂S – Hydrogen Sulfide

MIN - Minute

MRL – Minimal Risk Level

ppb – Parts per billion

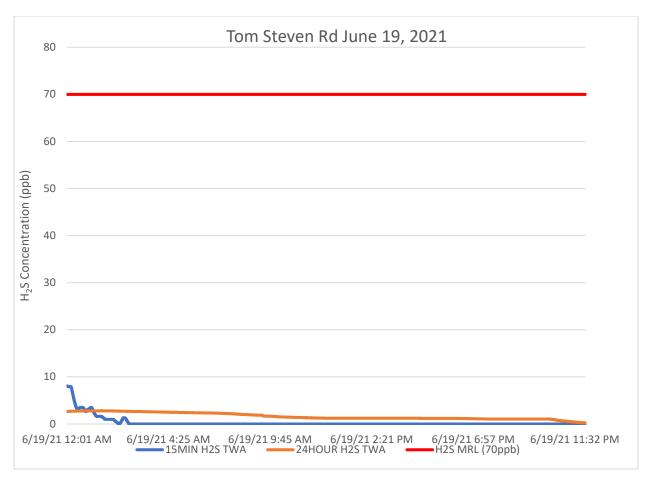


H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb - Parts per billion

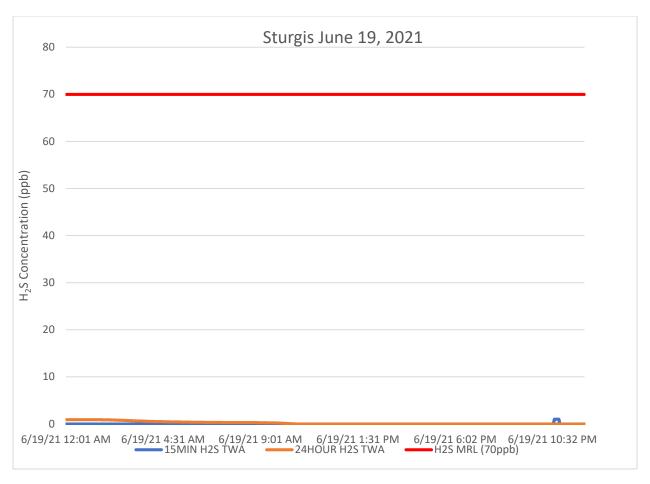


H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb - Parts per billion

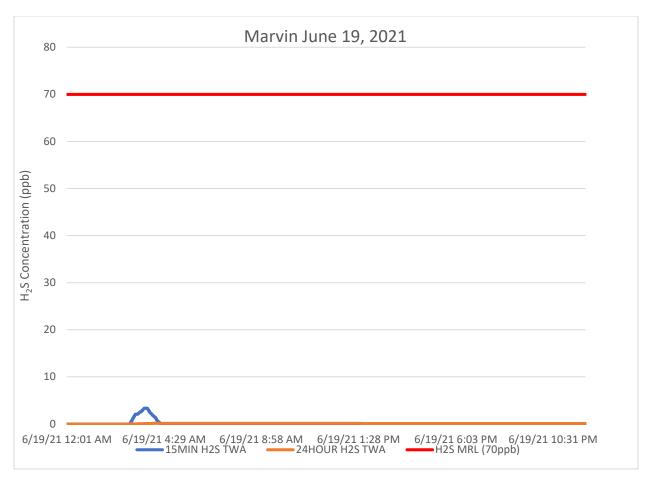


H₂S – Hydrogen Sulfide

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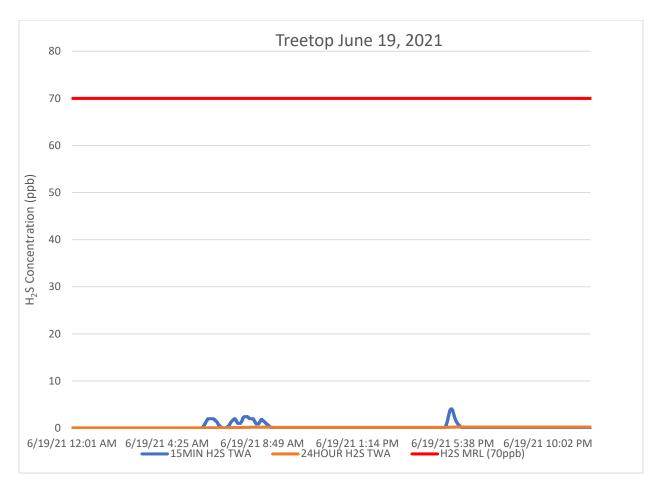


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H₂S – Hydrogen Sulfide

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Air Monitoring Summary Tables

The table below summarizes monitoring data collected using EPA's Viper wireless remote monitoring system.

Project Name: H₂S in South and North Carolina

From: 6/20/21 To: 6/20/21 12:01 AM 11:59 PM



/illiam-Lytle Place							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 1	H2S	No	26827	4941	0 - 17 ppb	0.94 ppb	70 ppb
River Chase							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 2	H2S	No	26881	2098	0 - 36 ppb	1.14 ppb	70 ppb
Millstone Creek							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 3	H2S	No	25966	2379	0 - 7 ppb	0.26 ppb	70 ppb
C Cit.							
Sun City	Ameliata	ATSDR MRL	Number of	Number of	Composition	Davied Access	ATODO ME
Instrument	Analyte	Exceedance?	Readings	Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 4	H2S	No	26947	4695	0 - 9 ppb	0.8 ppb	70 ppb
Bridgemill							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 5	H2S	No	27568	1197	0 - 2 ppb	0.07 ppb	70 ppb
Tom Steven Rd							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 6	H2S	No	26075	6637	0 - 55 ppb	1.71 ppb	70 ppb
Sturgis Rd							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 7	H2S	No	26578	4123	0 - 21 ppb	0.65 ppb	70 ppb
Manin							
Marvin		ATSDR MRL	Number of	Number of			
Instrument	Analyte	Exceedance?	Readings	Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 8	H2S	No	26840	4086	0 - 5 ppb	0.37 ppb	70 ppb
reetop							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
			1				

Notes:

SPM Flex 9

Instrument

SPM Flex 10

Liberty Hill

Hydrogen sulfide concentrations presented in this data summary table are converted from parts per million, the instrument readout units, to parts per billion.

27242

Number of

Readings

27554

1963

Detections

472

0 - 4 ppb

Concentration Range

0 - 2 ppb

0.17 ppb

Period Average

0.02 ppb

70 ppb

ATSDR MRL

70 ppb

ATSDR MRL Agency for Toxic Substances and Disease Registry Minimal Risk Level - Acute Exposure (<14 days)

H₂S Hydrogen Sulfide

hr Hour

ppb Parts per billion

MRL Exceedance Defines if the 24-hr TWA exceeded the MRL at any time during the period of this report

No

ATSDR MRL

Exceedance?

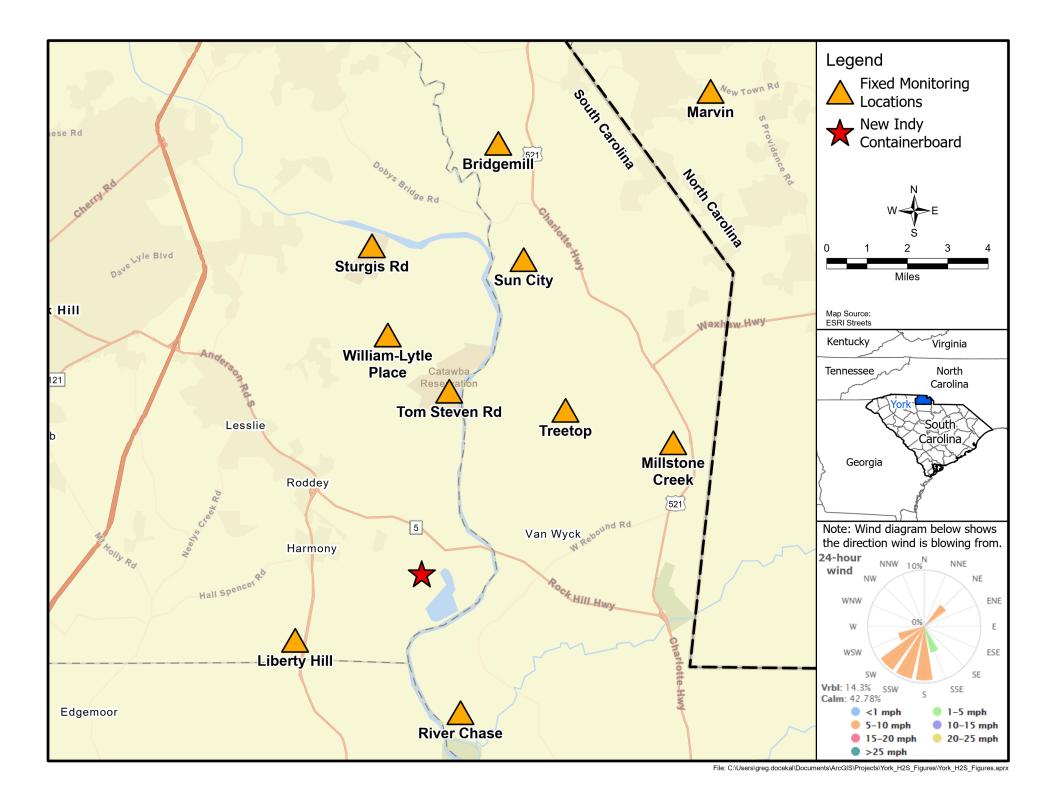
No

SPM Single Point Monitor
TWA Time Weighted Avergage

H2S

Analyte

H2S



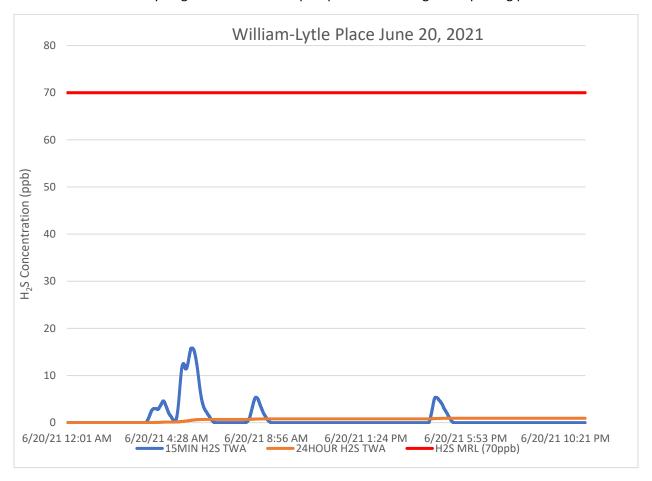
H₂S in South and North Carolina

Hydrogen Sulfide 15-min and 24-hr Time Weighted Graphs

Only locations where hydrogen sulfide was detected during the current reporting period are graphed below.

The prevailing wind directions for this reporting period were out of the south, south-southwest, and southwest with smaller percentages out of the south-southeast, west-southwest, and northeast. See wind rose diagram on location figure for full wind data during this reporting period.

All locations detected hydrogen sulfide above 1 part per billion during this reporting period.



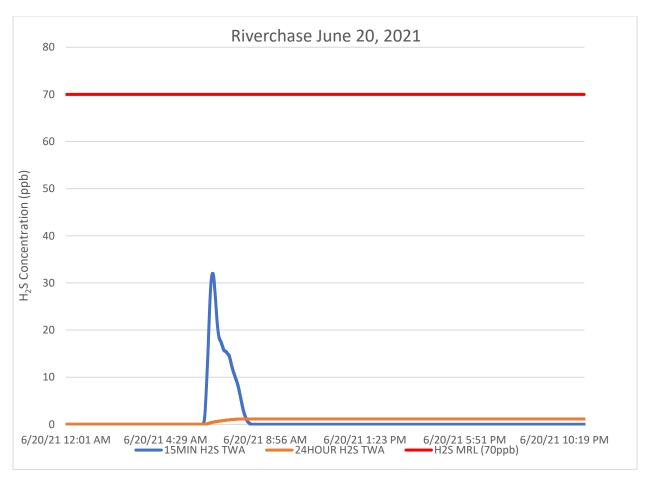
Notes:

H₂S – Hydrogen Sulfide

MIN - Minute

MRL - Minimal Risk Level

ppb - Parts per billion

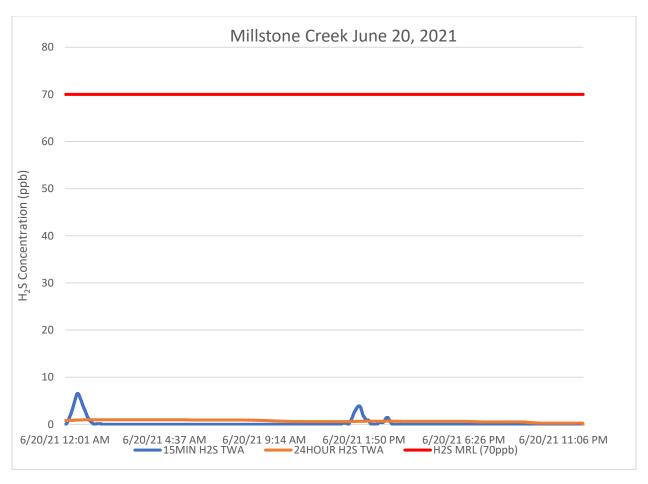


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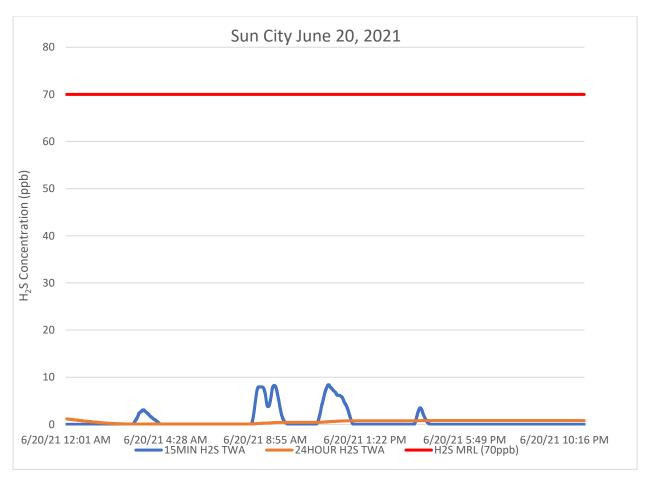


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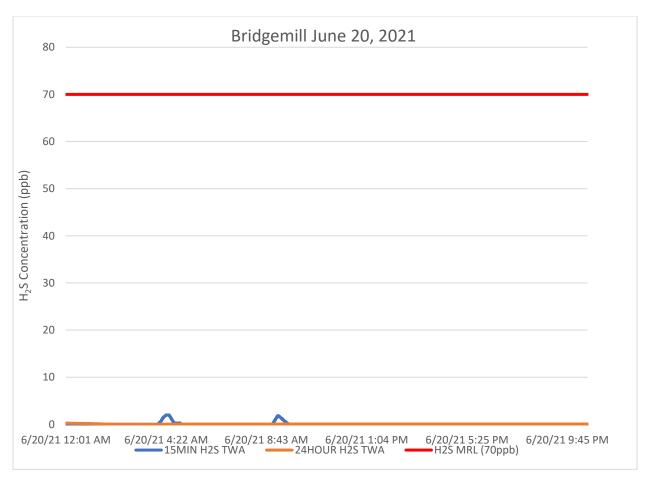


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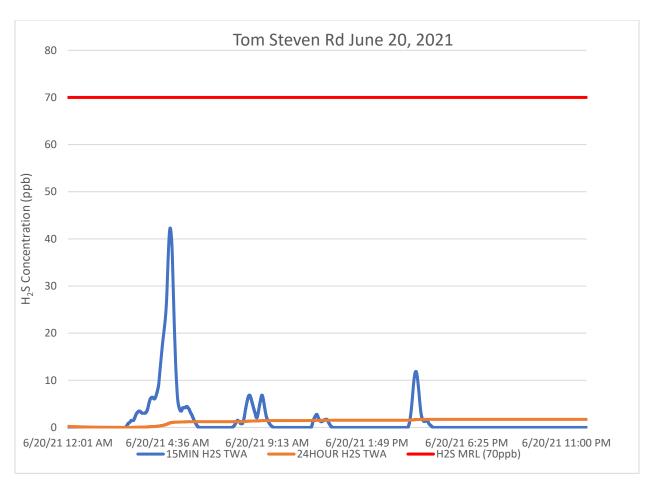


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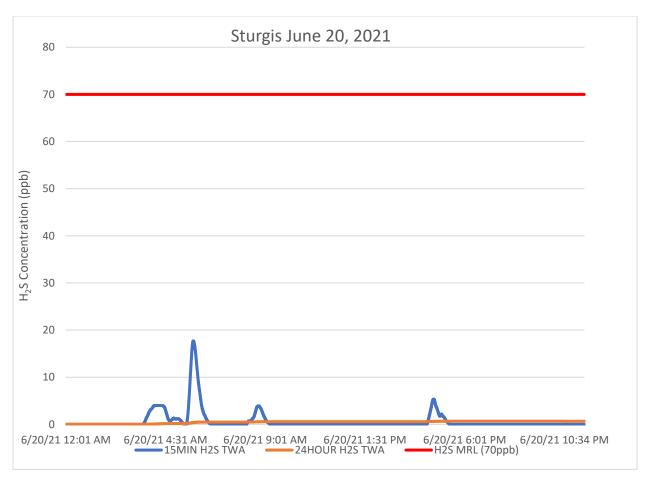


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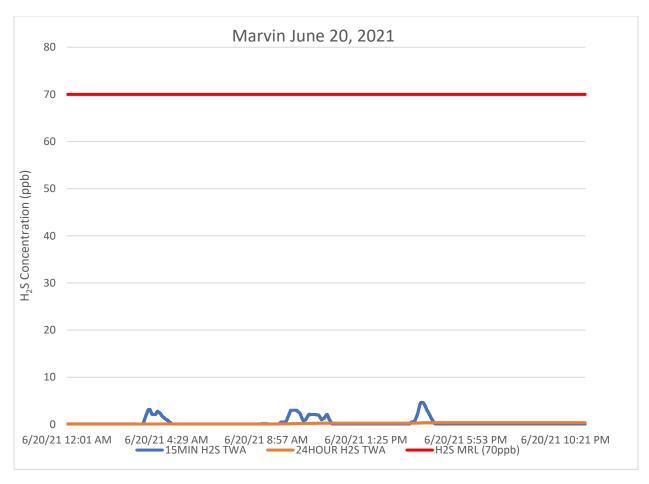


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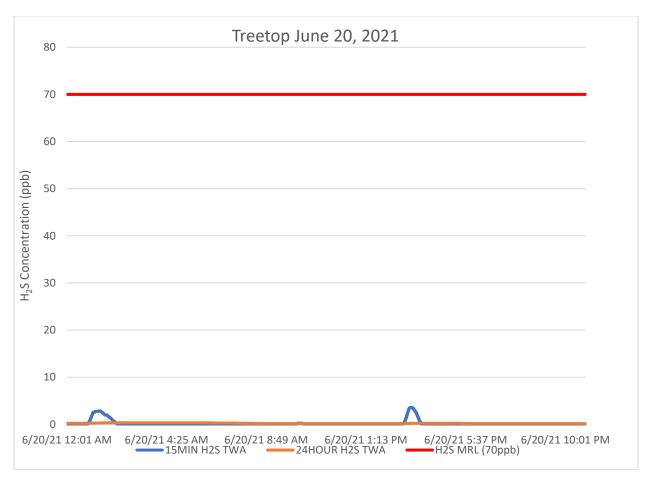


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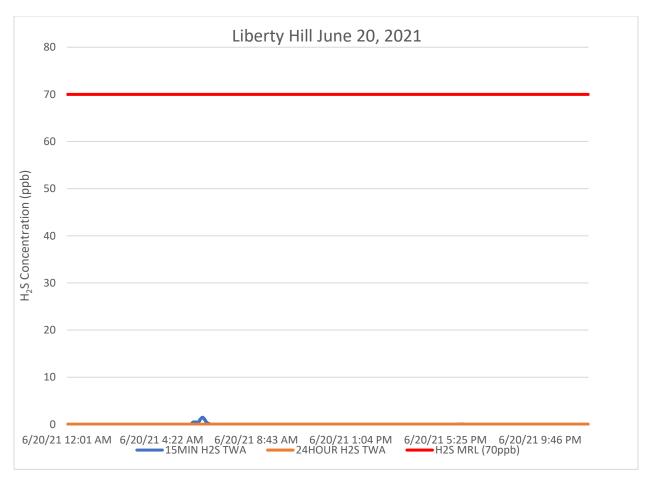


H₂S – Hydrogen Sulfide

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Air Monitoring Summary Tables

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Project Name: H₂S in South and North Carolina

From: 6/21/21 To: 6/21/21 12:01 AM 11:59 PM



SPM Flex 1			T	.=		liam-Lytle Place
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Instrument Applyte ATSDR MRL Number of Number of Concentration Page Period Average AT						
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					H2S	SPM Flex 8
31 W 1 10	-1-2-3 0 23 μμυ 0.33 μμυ 70	1723	20703	140	1123	SI IVI I IEA O

Liberty Hill							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 10	H2S	No	27510	0	0 - 0 ppb	0 ppb	70 ppb

Number of

Detections

10550

Concentration Range

0 - 20 ppb

Period Average

1.56 ppb

ATSDR MRL

70 ppb

Notes:

Instrument

SPM Flex 9

Hydrogen sulfide concentrations presented in this data summary table are converted from parts per million, the instrument readout units, to parts per billion.

Number of

Readings

27191

ATSDR MRL Agency for Toxic Substances and Disease Registry Minimal Risk Level - Acute Exposure (<14 days)

H₂S Hydrogen Sulfide

hr Hour

ppb Parts per billion

MRL Exceedance Defines if the 24-hr TWA exceeded the MRL at any time during the period of this report

ATSDR MRL

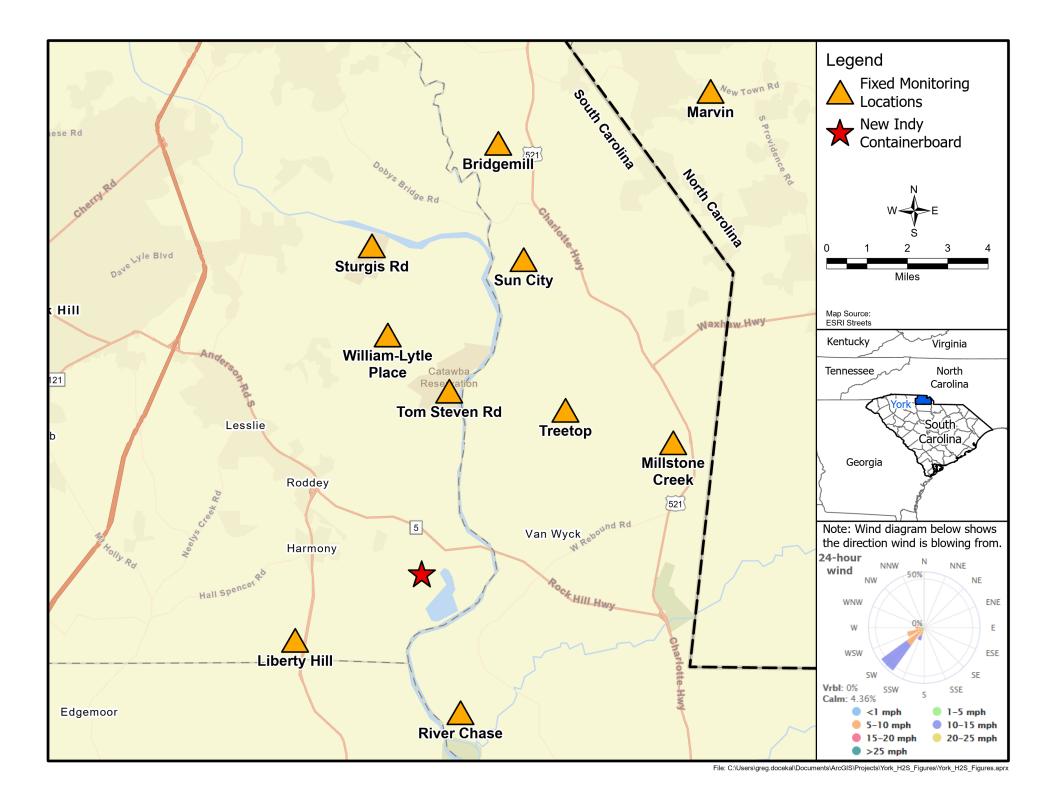
Exceedance?

No

SPM Single Point Monitor
TWA Time Weighted Avergage

Analyte

H2S



H₂S in South and North Carolina

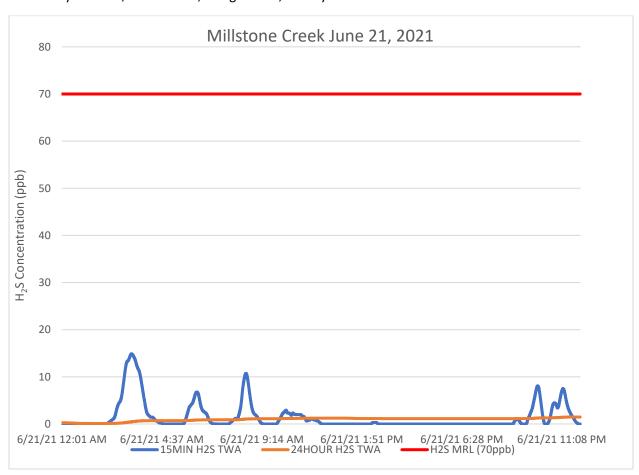
Hydrogen Sulfide 15-min and 24-hr Time Weighted Graphs

Only locations where hydrogen sulfide was detected during the current reporting period are graphed below.

The prevailing wind directions for this reporting period were out of the southwest with smaller percentages out of the south-southwest and west-southwest. See wind rose diagram on location figure for full wind data during this reporting period.

All locations detected hydrogen sulfide above 1 part per billion during this reporting period.

Locations that did not detect hydrogen sulfide above 1 part per billion during this reporting period: William-Lytle Place, River Chase, Sturgis Road, Liberty Hill



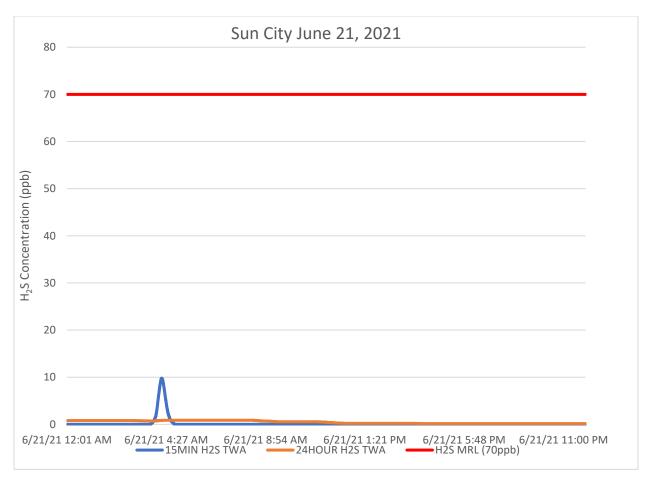
Notes:

H₂S - Hydrogen Sulfide

MIN - Minute

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ppb – Parts per billion

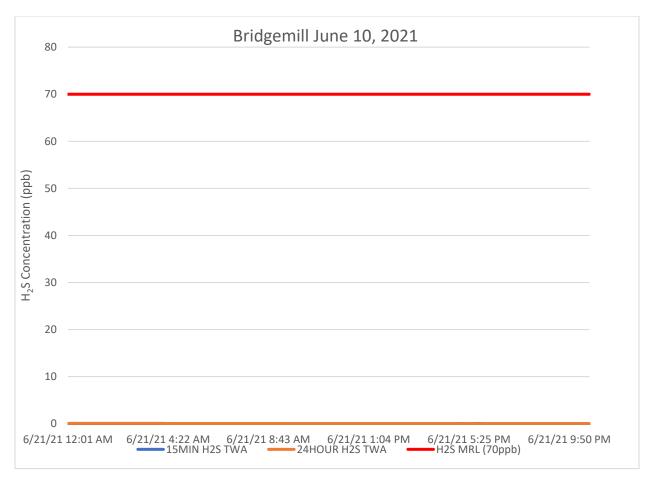


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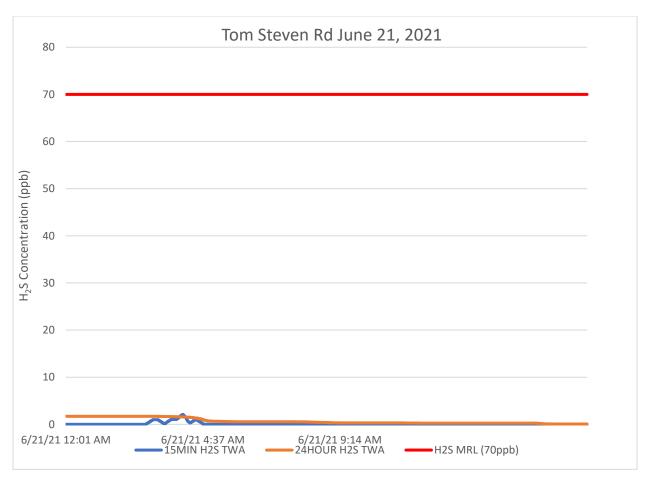


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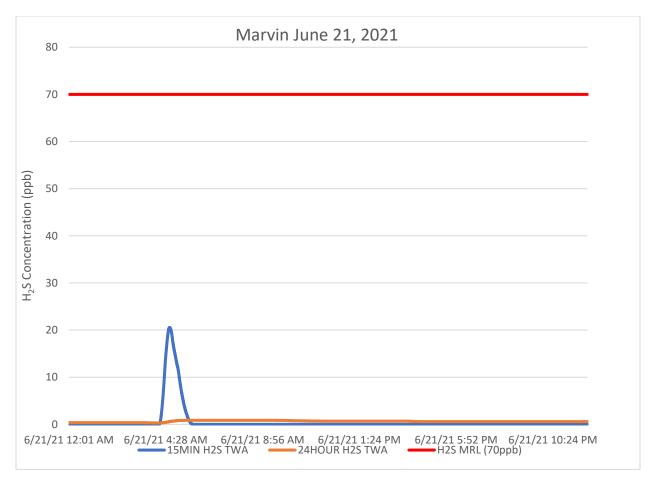


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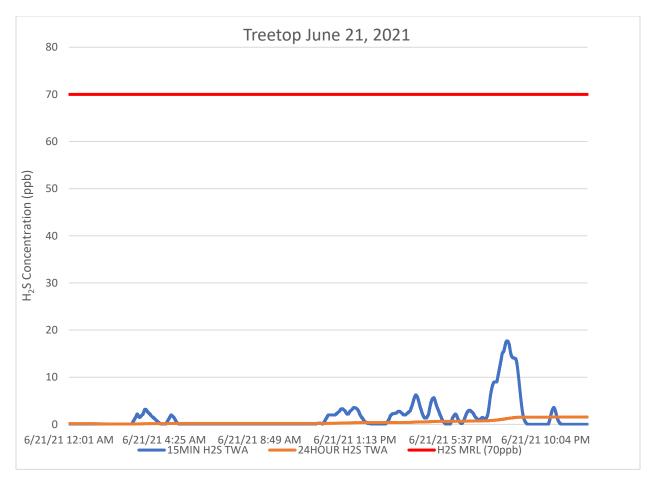


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Air Monitoring Summary Tables

The table below summarizes monitoring data collected using EPA's Viper wireless remote monitoring system.

Project Name: H₂S in South and North Carolina

From: 6/22/21 To: 6/22/21 12:01 AM 11:59 PM



lliam-Lytle Place							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 1	H2S	No	26810	0	0 - 0 ppb	0 ppb	70 ppb
iver Chase							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 2	H2S	No	26856	704	0 - 7 ppb	0.11 ppb	70 ppb
Millstone Creek							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 3	H2S	No	26011	5075	0 - 9 ppb	0.81 ppb	70 ppb
un City							
un City Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 4	H2S	No	26884	0	0 - 0 ppb	0 ppb	70 ppb
ridgemill							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 5	H2S	No	27486	0	0 - 0 ppb	0 ppb	70 ppb
om Steven Rd							
Instrument	Analyte	ATSDR MRL	Number of	Number of	Concentration Range	Period Average	ATSDR MRL
SPM Flex 6	H2S	Exceedance?	Readings 26048	Detections 0	0 - 0 ppb	0 ppb	70 ppb
•		•	•			,,	
turgis Rd							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 7	H2S	No	26601	0	0 - 0 ppb	0 ppb	70 ppb
/larvin				1			
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 8	H2S	No	26852	0	0 - 0 ppb	0 ppb	70 ppb

Treetop							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 9	H2S	No	27216	2531	0 - 5 ppb	0.25 ppb	70 ppb

Liberty Hill							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 10	H2S	No	27527	295	0 - 1 ppb	0.01 ppb	70 ppb

Notes:

Hydrogen sulfide concentrations presented in this data summary table are converted from parts per million, the instrument readout units, to parts per billion.

ATSDR MRL Agency for Toxic Substances and Disease Registry Minimal Risk Level - Acute Exposure (<14 days)

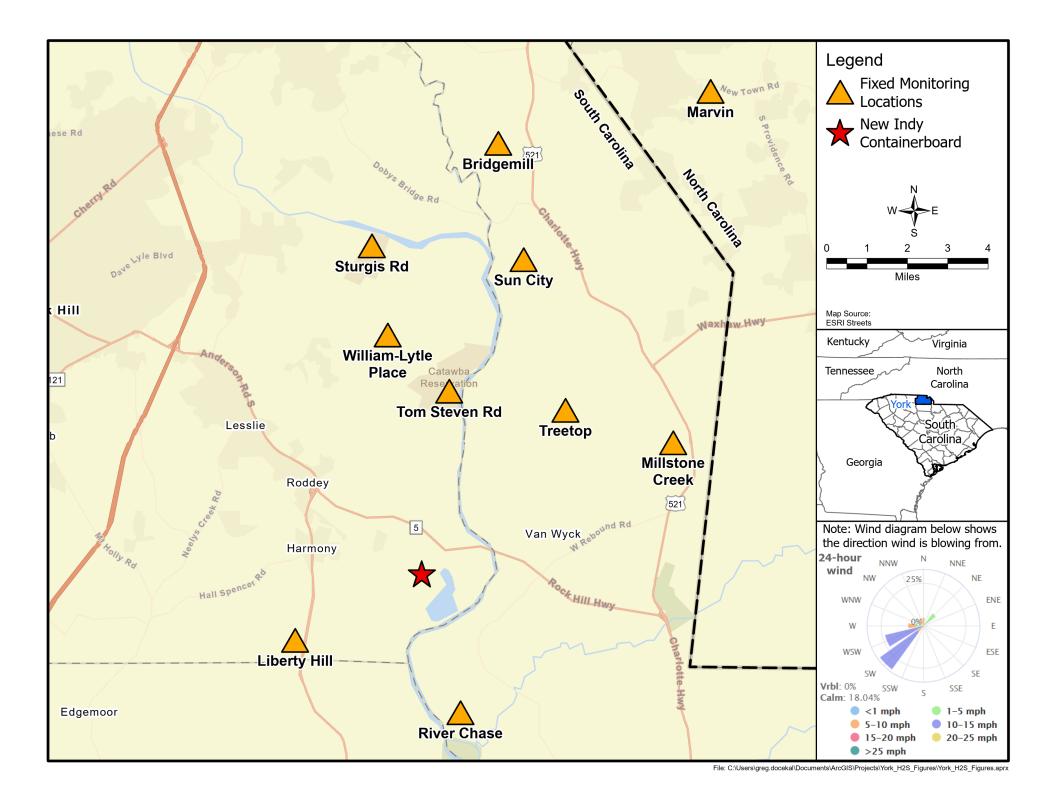
H₂S Hydrogen Sulfide

hr Hour

ppb Parts per billion

MRL Exceedance Defines if the 24-hr TWA exceeded the MRL at any time during the period of this report

SPM Single Point Monitor
TWA Time Weighted Avergage



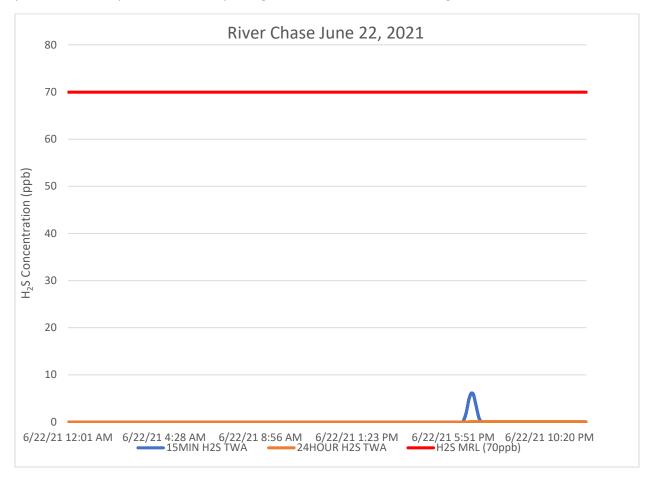
H₂S in South and North Carolina

Hydrogen Sulfide 15-min and 24-hr Time Weighted Graphs

Only locations where hydrogen sulfide was detected during the current reporting period are graphed below.

The prevailing wind directions for this reporting period were out of the southwest and west-southwest with smaller percentages out of the west, north-northwest and northeast. See wind rose diagram on location figure for full wind data during this reporting period.

The following locations did not detect hydrogen sulfide above 1 part per billion during this reporting period: William-Lytle Place, Sun City, Bridgemill, Tom Stevens Road, Sturgis Road, and Marvin.



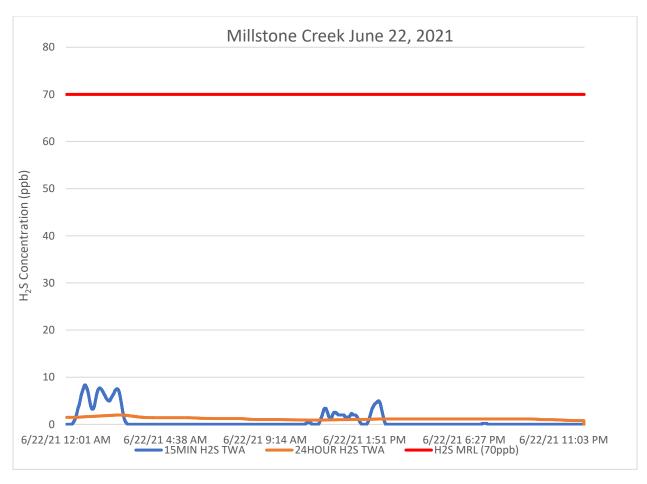
Notes:

 H_2S – Hydrogen Sulfide

MIN - Minute

MRL – Minimal Risk Level

ppb - Parts per billion

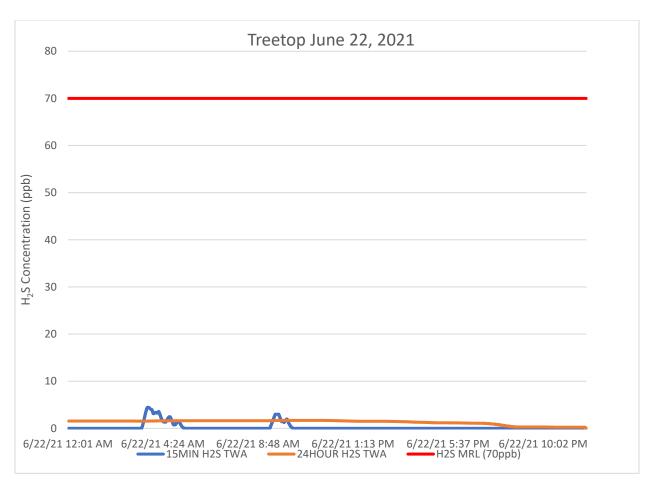


H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb - Parts per billion

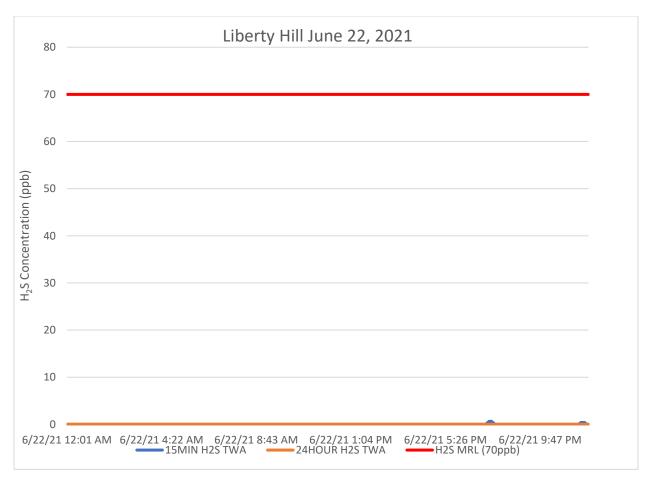


H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb - Parts per billion



H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb - Parts per billion

Air Monitoring Summary Tables

The table below summarizes monitoring data collected using EPA's Viper wireless remote monitoring system.

Project Name: H₂S in South and North Carolina

From: 6/23/21 To: 6/23/21 12:01 AM 11:59 PM



William-Lytle Place							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 1	H2S	No	26776	0	0 - 0 ppb	0 ppb	70 ppb
River Chase							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 2	H2S	No	26878	86	0 - 2 ppb	0.01 ppb	70 ppb

Millstone Creek							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 3	H2S	No	26002	0	0 - 0 ppb	0 ppb	70 ppb

Sun City							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 4	H2S	No	26963	0	0 - 0 ppb	0 ppb	70 ppb

Bridgemill							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 5	H2S	No	27552	0	0 - 0 ppb	0 ppb	70 ppb

Tom Steven Rd							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 6	H2S	No	26063	0	0 - 0 ppb	0 ppb	70 ppb

Sturgis Rd							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 7	H2S	No	26565	0	0 - 0 ppb	0 ppb	70 ppb

Marvin									
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL		
SPM Flex 8	H2S	No	26846	0	0 - 0 ppb	0 ppb	70 ppb		

Treetop										
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL			
SPM Flex 9	H2S	No	27210	0	0 - 0 ppb	0 ppb	70 ppb			

Liberty Hill									
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL		
SPM Flex 10	H2S	No	27561	2119	0 - 4 ppb	0.18 ppb	70 ppb		

Notes

Hydrogen sulfide concentrations presented in this data summary table are converted from parts per million, the instrument readout units, to parts per billion.

ATSDR MRL Agency for Toxic Substances and Disease Registry Minimal Risk Level - Acute Exposure (<14 days)

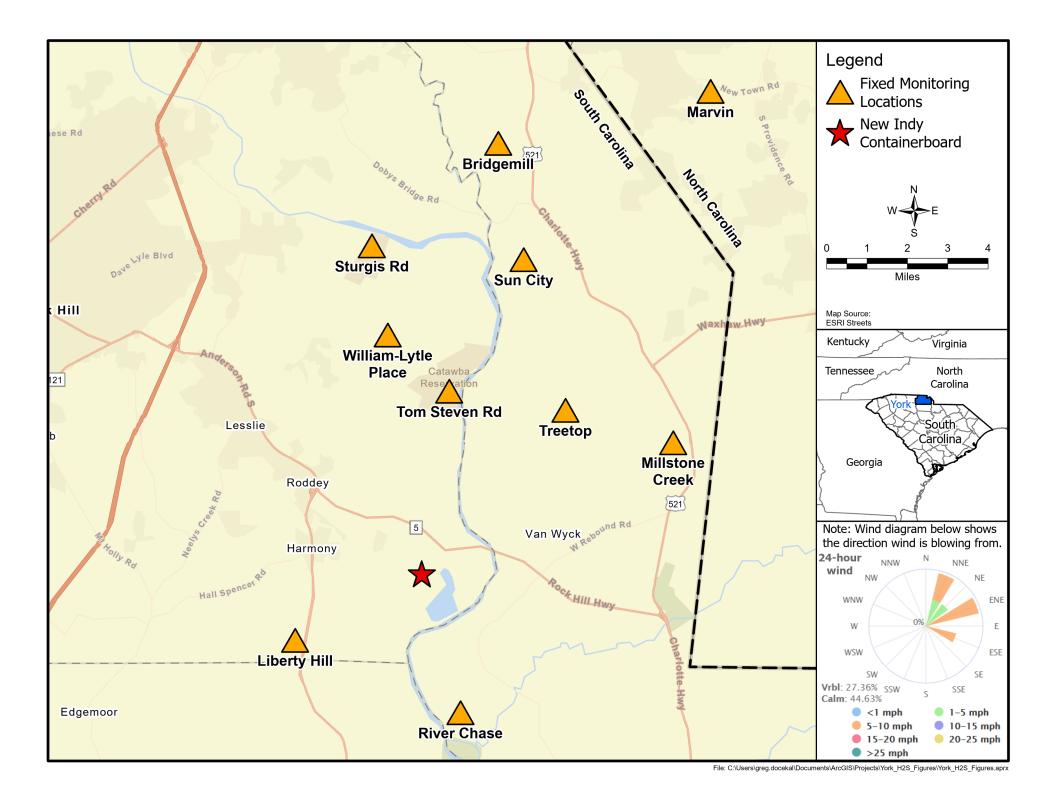
H₂S Hydrogen Sulfide

hr Hour

ppb Parts per billion

MRL Exceedance Defines if the 24-hr TWA exceeded the MRL at any time during the period of this report

SPM Single Point Monitor TWA Time Weighted Avergage



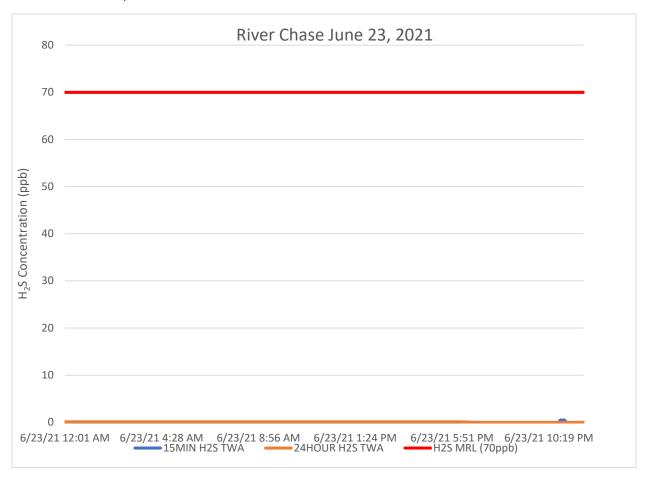
H₂S in South and North Carolina

Hydrogen Sulfide 15-min and 24-hr Time Weighted Graphs

Only locations where hydrogen sulfide was detected during the current reporting period are graphed below.

The prevailing wind directions for this reporting period were out of the north-northeast and the east-northeast with smaller percentages out of the east-southeast and northeast. See wind rose diagram on location figure for full wind data during this reporting period.

The following locations did not detect hydrogen sulfide above 1 part per billion during this reporting period: William-Lytle Place, Millstone Creek, Sun City, Bridgemill, Tom Stevens Road, Sturgis Road, Marvin and Treetop.



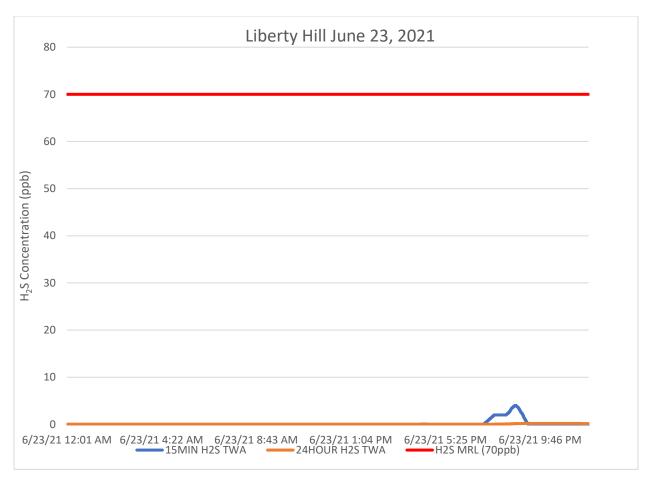
Notes:

H₂S - Hydrogen Sulfide

MIN – Minute

MRL - Minimal Risk Level

ppb - Parts per billion



H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb - Parts per billion

Air Monitoring Summary Tables

The table below summarizes monitoring data collected using EPA's Viper wireless remote monitoring system.

Project Name: H2S in South and North Carolina

From: 6/25/21 To: 6/25/21 12:01 AM 11:59 PM



						ic p	ROTE
iam-Lytle Place							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 1	H2S	No	26728	0	0 - 0 ppb	0 ppb	70 ppb
ver Chase							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 2	H2S	No	26792	2060	0 - 2 ppb	0.1 ppb	70 ppb
illstone Creek						 	
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 3	H2S	No	25986	532	0 - 2 ppb	0.03 ppb	70 ppb
un City							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 4	H2S	No	26904	0	0 - 0 ppb	0 ppb	70 ppb
ridgemill							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 5	H2S	No	27450	0	0 - 0 ppb	0 ppb	70 ppb
om Steven Rd		ATCDD MD:	l November (No make a sec	1	1	
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 6	H2S	No	26141	0	0 - 0 ppb	0 ppb	70 ppb
turgis Rd							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 7	H2S	No	26478	0	0 - 0 ppb	0 ppb	70 ppb
larvin		ATSDR MRL	I November of	T. Niverban of	1		
Instrument	Analyte	ATSDR MRL	Number of	Number of	Concentration Range	Period Average	ATSDR MRL

Treetop									
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL		
SPM Flex 9	H2S	No	27158	0	0 - 0 ppb	0 ppb	70 ppb		

26790

Detections

0 - 0 ppb

0 ppb

70 ppb

Liberty Hill							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 10	H2S	No	27475	5172	0 - 4 ppb	0.38 ppb	70 ppb

SPM Flex 8

H2S

Hydrogen sulfide concentrations presented in this data summary table are converted from parts per million, the instrument readout units, to parts per billion.

ATSDR MRL Agency for Toxic Substances and Disease Registry Minimal Risk Level - Acute Exposure (<14 days)

Hydrogen Sulfide H_2S

Hour hr

Parts per billion ppb

MRL Exceedance Defines if the 24-hr TWA exceeded the MRL at any time during the period of this report

Exceedance?

SPM Single Point Monitor TWA Time Weighted Avergage

Air Monitoring Summary Tables

The table below summarizes monitoring data collected using EPA's Viper wireless remote monitoring system.

Project Name: H2S in South and North Carolina

From: 6/24/21 To: 6/24/21 12:01 AM 11:59 PM



m-Lytle Place							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 1	H2S	No	26795	1476	0 - 1 ppb	0.06 ppb	70 ppb
er Chase							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 2	H2S	No	26878	122	0 - 2 ppb	0.01 ppb	70 ppb
Ilstone Creek							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 3	H2S	No	25998	0	0 - 0 ppb	0 ppb	70 ppb
n City							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 4	H2S	No	26939	0	0 - 0 ppb	0 ppb	70 ppb
idgemill							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 5	H2S	No	27533	0	0 - 0 ppb	0 ppb	70 ppb
m Steven Rd							
		ATSDR MRL	Number of	Number of	I		
Instrument	Analyte	Exceedance?	Readings	Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 6	H2S	No	26128	0	0 - 0 ppb	0 ppb	70 ppb
urgis Rd							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 7	H2S	No No	26613	0	0 - 0 ppb	0 ppb	70 ppb
arvin							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 8	H2S	No	26789	0	0 - 0 ppb	0 ppb	70 ppb

Liberty Hill									
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL		
SDM Floy 10	⊔ac	No	27524	0172	0 2 nnh	0.42 nnh	70 nnh		

Number of

Detections

Concentration Range

0 - 0 ppb

Period Average

0 ppb

ATSDR MRL

70 ppb

Notes

Instrument

SPM Flex 9

Hydrogen sulfide concentrations presented in this data summary table are converted from parts per million, the instrument readout units, to parts per billion.

Number of

Readings

27217

ATSDR MRL Agency for Toxic Substances and Disease Registry Minimal Risk Level - Acute Exposure (<14 days)

H₂S Hydrogen Sulfide

hr Hour

ppb Parts per billion

MRL Exceedance Defines if the 24-hr TWA exceeded the MRL at any time during the period of this report

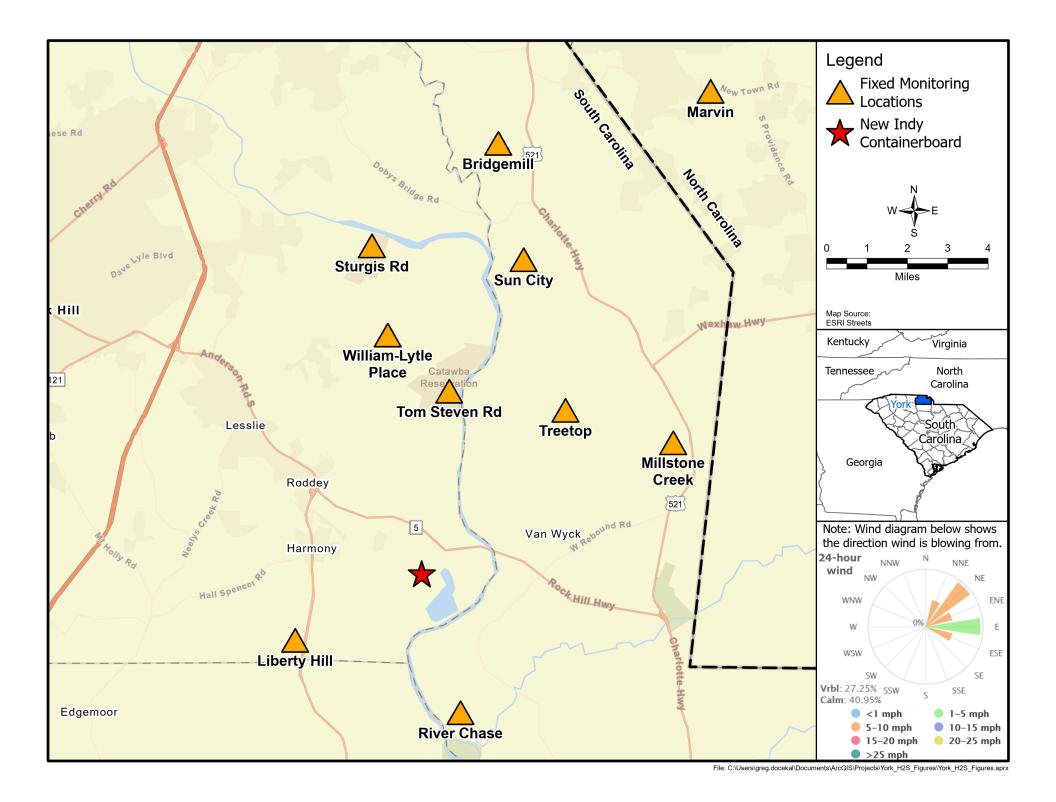
ATSDR MRL

Exceedance?

SPM Single Point Monitor
TWA Time Weighted Avergage

Analyte

H2S



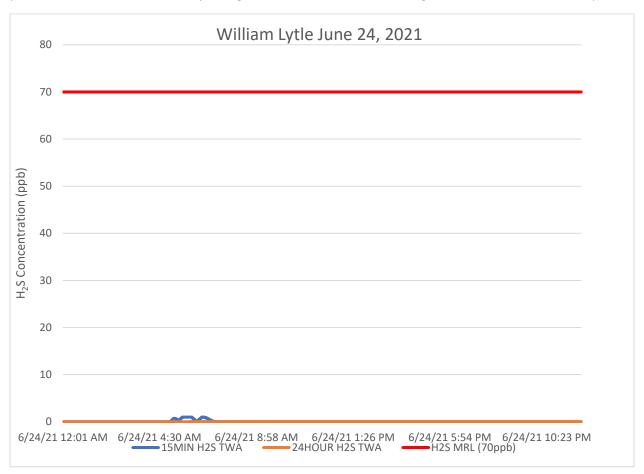
H₂S in South and North Carolina

Hydrogen Sulfide 15-min and 24-hr Time Weighted Graphs

Only locations where hydrogen sulfide was detected during the current reporting period are graphed below.

The prevailing wind directions for this reporting period were out of the east and northeast with smaller percentages out of the north-northeast, east-northeast, and east-southeast. See wind rose diagram on location figure for full wind data during this reporting period.

The following locations did not detect hydrogen sulfide above 1 part per billion during this reporting period: Millstone Creek, Sun City, Bridgemill, Tom Stevens Road, Sturgis Road, Marvin, and Treetop.



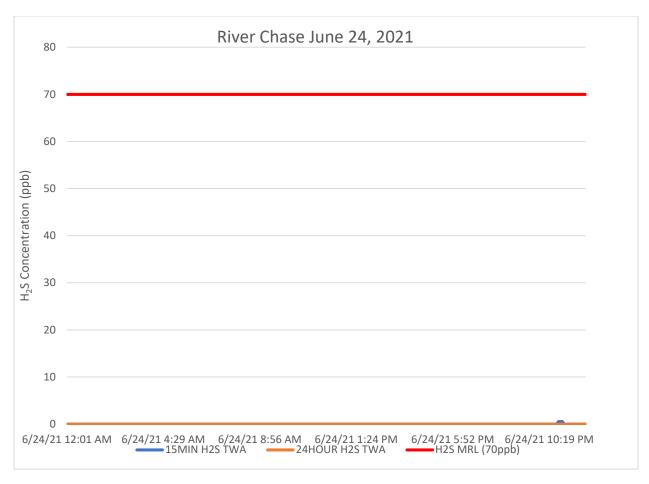
Notes:

H₂S − Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb - Parts per billion

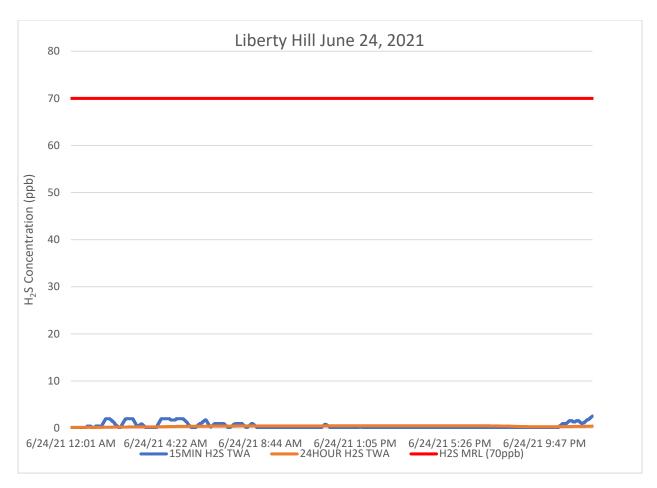


H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb - Parts per billion

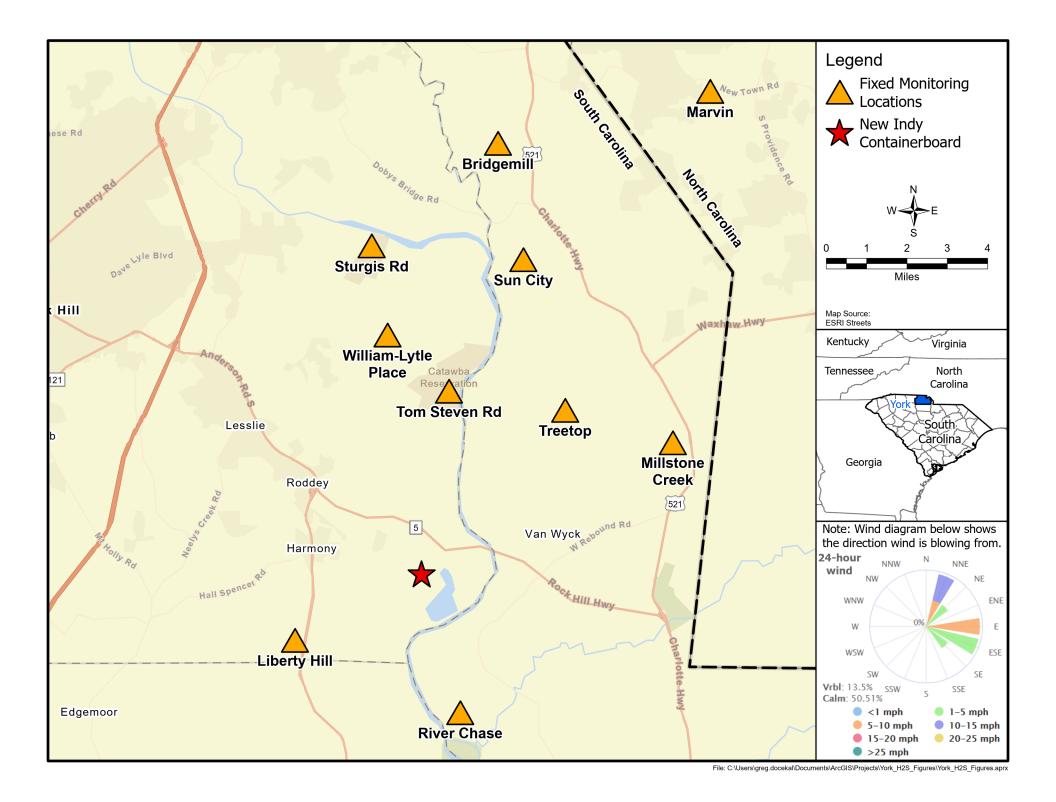


H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb - Parts per billion



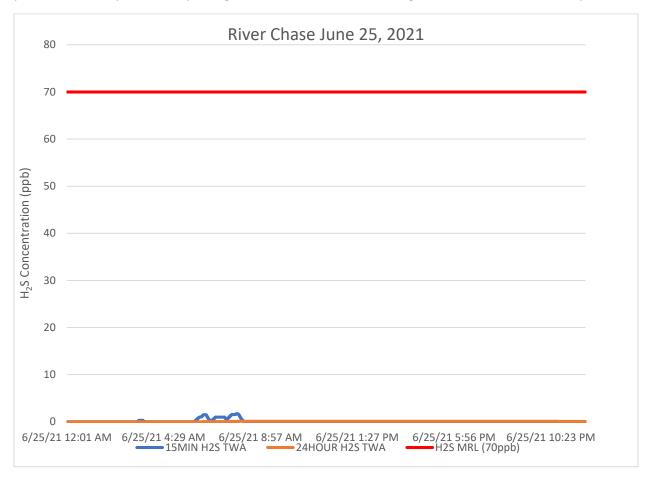
H₂S in South and North Carolina

Hydrogen Sulfide 15-min and 24-hr Time Weighted Graphs

Only locations where hydrogen sulfide was detected during the current reporting period are graphed below.

The prevailing winds for this reporting period were calm or variable winds with some winds out of the north-northeast, east, and east-southeast with smaller percentages out of the northeast and southeast. See wind rose diagram on location figure for full wind data during this reporting period.

The following locations did not detect hydrogen sulfide above 1 part per billion during this reporting period: William Lytle, Sun City, Bridgemill, Tom Stevens Road, Sturgis Road, Marvin, and Treetop.

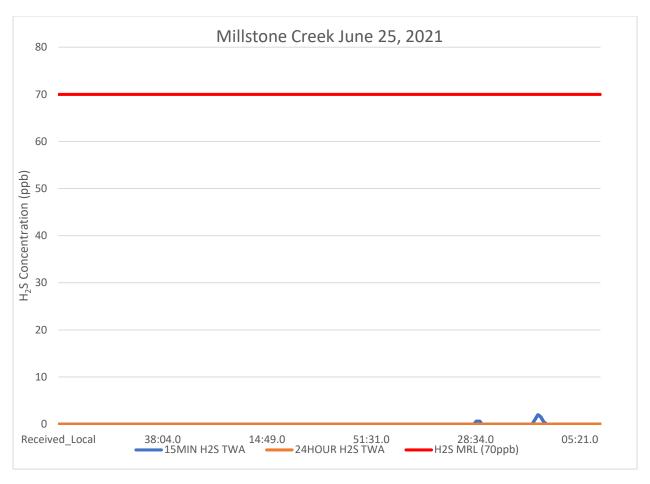


Notes:

 H_2S – Hydrogen Sulfide

MIN - Minute

MRL – Minimal Risk Level

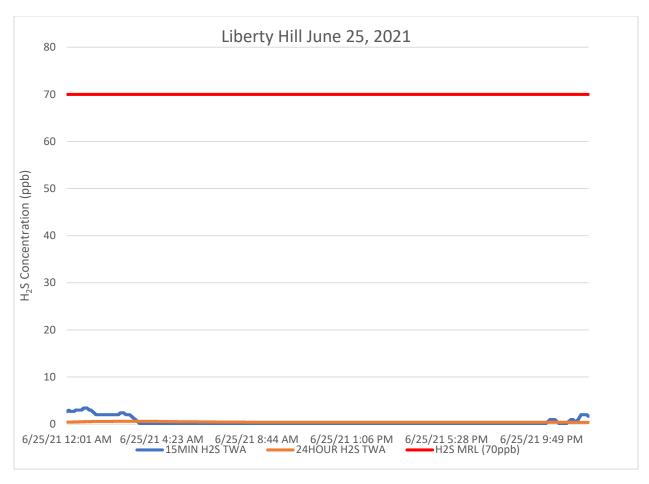


H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb - Parts per billion



H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb - Parts per billion

Air Monitoring Summary Tables

The table below summarizes monitoring data collected using EPA's Viper wireless remote monitoring system.

Project Name: H2S in South and North Carolina

Analyte

H2S

From: 6/26/21 To: 6/26/21 12:01 AM 11:59 PM

ATSDR MRL

Exceedance?

No



ATSDR MRL

70 ppb

Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 1	H2S	No	26794	12	0 - 1 ppb	0 ppb	70 ppb
er Chase		ATSDR MRI	Number of	Number of			
er Chase Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL

Sun City									
Instrument	Analyte	ATSDR MRL	Number of	Number of	Concentration Range	Period Average	ATSDR MRL		
mon umont	7 2.0.710	Exceedance?	Readings	Detections	oonoonaanon nango	. onou monago	71.0511.1111.2		
SPM Flex 4	H2S	No	26949	0	0 - 0 nnh	0 nnh	70 nnh		

Number of

Detections

0

Concentration Range

0 - 0 ppb

Period Average

0 ppb

Number of

Readings

25990

Bridgemill									
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL		
SPM Flex 5	H2S	No	27455	0	0 - 0 ppb	0 ppb	70 ppb		

Tom Steven Rd							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 6	H2S	No	26147	0	0 - 0 ppb	0 ppb	70 ppb

Sturgis Rd										
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL			
SPM Flex 7	H2S	No	26540	0	0 - 0 ppb	0 ppb	70 ppb			

Marvin							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 8	H2S	No	26802	0	0 - 0 ppb	0 ppb	70 ppb

Treetop										
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL			
SPM Flex 9	H2S	No	27165	0	daa 0 - 0	daa 0	70 ppb			

Liberty Hill									
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL		
SPM Flex 10	H2S	No	27472	1570	0 - 2 ppb	0.06 ppb	70 ppb		

Notes

Instrument

SPM Flex 3

Hydrogen sulfide concentrations presented in this data summary table are converted from parts per million, the instrument readout units, to parts per billion.

ATSDR MRL Agency for Toxic Substances and Disease Registry Minimal Risk Level - Acute Exposure (<14 days)

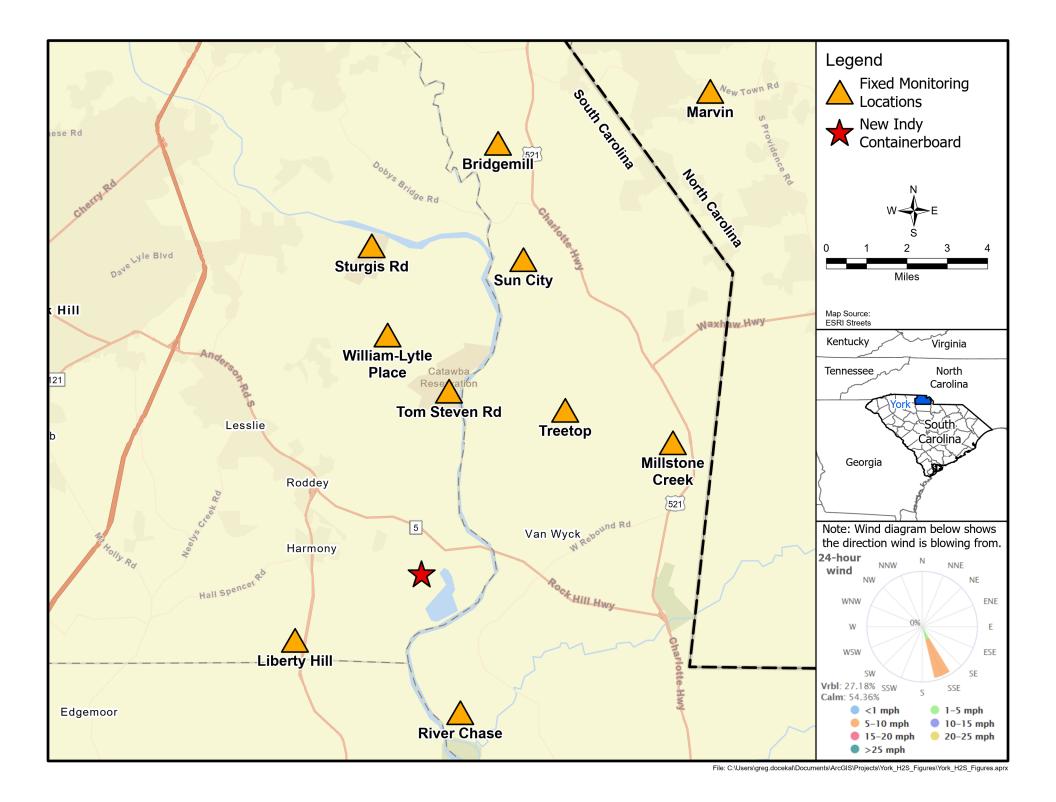
H₂S Hydrogen Sulfide

hr Hour

ppb Parts per billion

MRL Exceedance Defines if the 24-hr TWA exceeded the MRL at any time during the period of this report

SPM Single Point Monitor
TWA Time Weighted Avergage



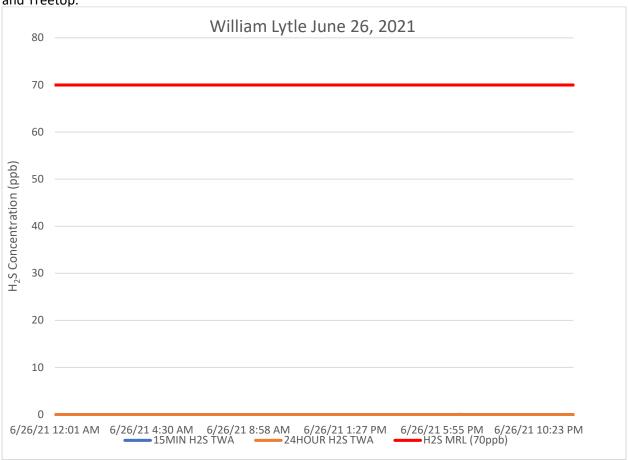
H₂S in South and North Carolina

Hydrogen Sulfide 15-min and 24-hr Time Weighted Graphs

Only locations where hydrogen sulfide was detected during the current reporting period are graphed below.

The prevailing wind directions for this reporting period were calm or variable winds, with a smaller percentage of sustained winds out of the south-southeast. See wind rose diagram on location figure for full wind data during this reporting period.

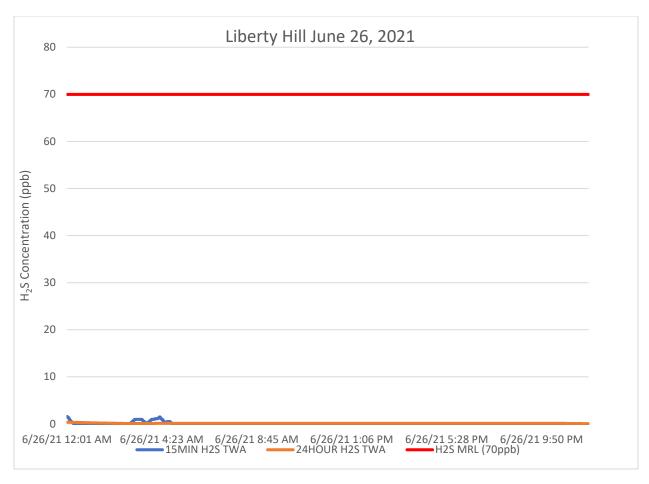
The following locations did not detect hydrogen sulfide above 1 part per billion during this reporting period: River Chase, Millstone Creek, Sun City, Bridgemill, Tom Stevens Road, Sturgis Road, Marvin, and Treetop.



Notes:

H₂S – Hydrogen Sulfide MIN – Minute

MRL – Minimal Risk Level



H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb - Parts per billion

Air Monitoring Summary Tables

The table below summarizes monitoring data collected using EPA's Viper wireless remote monitoring system.

Project Name: H₂S in South and North Carolina

From: 6/27/21 To: 6/27/21 12:01 AM 11:59 PM



Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
PM Flex 1	H2S	No	26771	3123	0 - 3 ppb	0.19 ppb	70 ppb
r Chase							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 2	H2S	No	26847	152	0 - 2 ppb	0.01 ppb	70 ppb
stone Creek							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 3	H2S	No	25986	0	0 - 0 ppb	0 ppb	70 ppb

Instrument	Analyte	Exceedance?	Readings	Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 4	H2S	No	26976	721	0 - 4 ppb	0.06 ppb	70 ppb
Dridgemill							

Bridgemill											
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL				
SPM Flex 5	H2S	No	27497	0	0 - 0 ppb	0 ppb	70 ppb				

Tom Steven Rd	Tom Steven Rd										
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL				
SPM Flex 6	H2S	No	26133	3765	0 - 2 ppb	0.19 ppb	70 ppb				

Sturgis Rd							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 7	H2S	No	26600	2751	daa 6 - 0	0.17 ppb	70 ppb

Marvin							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 8	H2S	No	26803	0	0 - 0 ppb	0 ppb	70 ppb

Treetop										
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL			
SPM Flex 9	H2S	No	27189	0	daa 0 - 0	daa 0	70 ppb			

Liberty Hill									
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL		
SPM Flex 10	H2S	No	27530	0	0 - 0 ppb	0 ppb	70 ppb		

Notes

Hydrogen sulfide concentrations presented in this data summary table are converted from parts per million, the instrument readout units, to parts per billion.

ATSDR MRL Agency for Toxic Substances and Disease Registry Minimal Risk Level - Acute Exposure (<14 days)

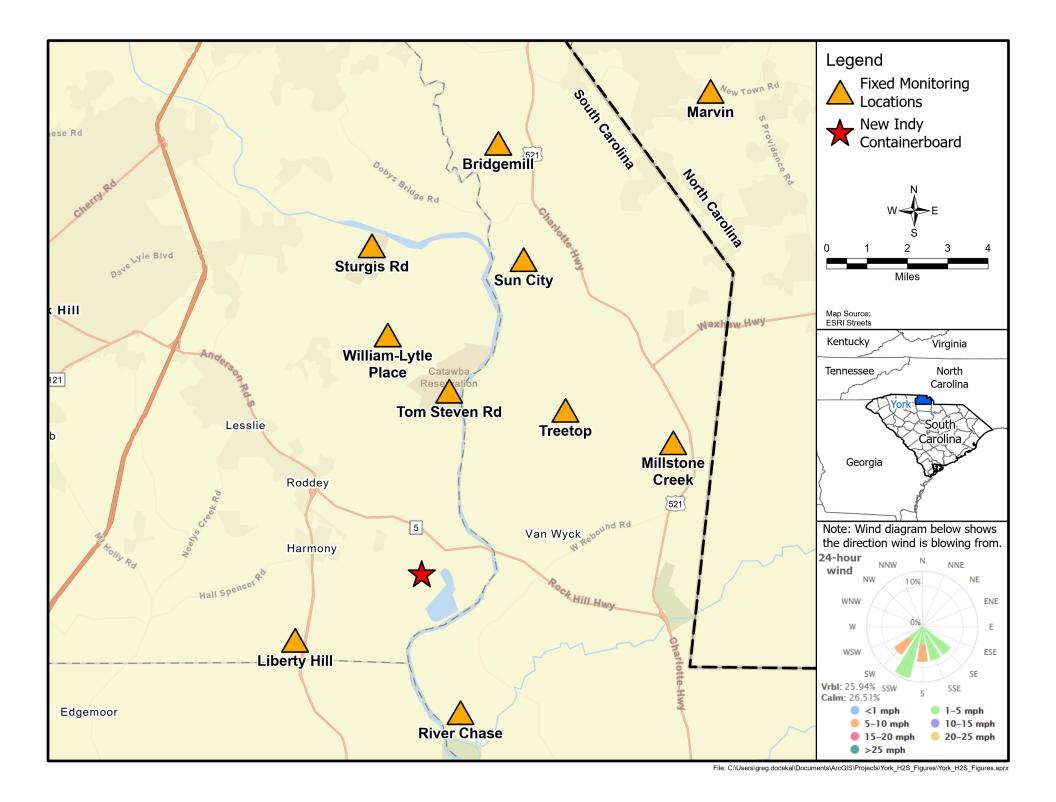
H₂S Hydrogen Sulfide

hr Hour

ppb Parts per billion

MRL Exceedance Defines if the 24-hr TWA exceeded the MRL at any time during the period of this report

SPM Single Point Monitor
TWA Time Weighted Avergage



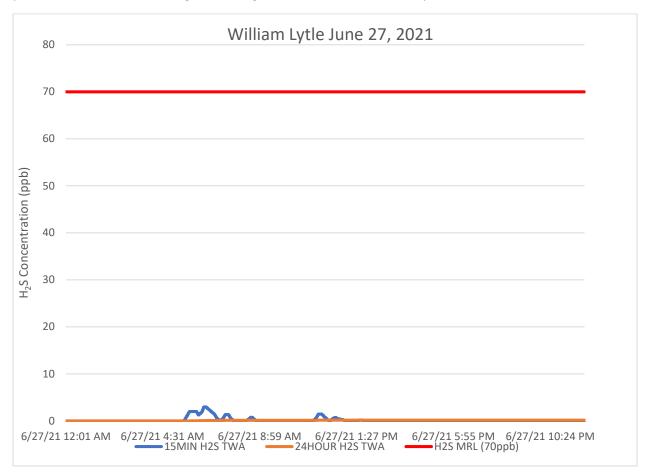
H₂S in South and North Carolina

Hydrogen Sulfide 15-min and 24-hr Time Weighted Graphs

Only locations where hydrogen sulfide was detected during the current reporting period are graphed below.

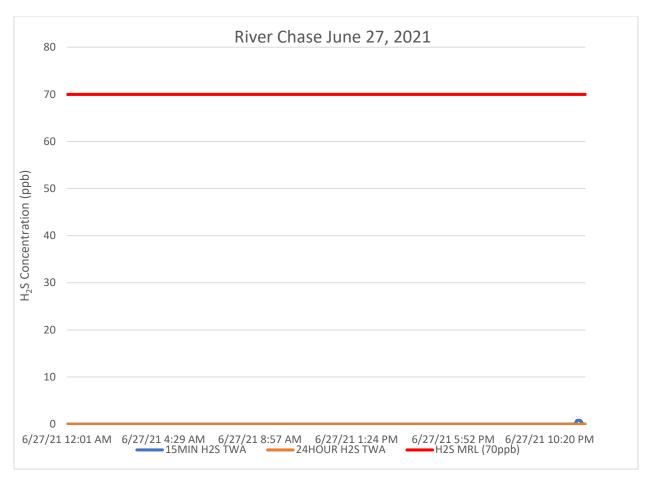
The prevailing wind directions for this reporting period were out of the south-southwest with smaller percentages out of the southeast, south-southeast, south, and southwest. See wind rose diagram on location figure for full wind data during this reporting period.

The following locations did not detect hydrogen sulfide above 1 part per billion during this reporting period: Millstone Creek, Bridgemill, Sturgis Road, Marvin, and Treetop.



Notes:

H₂S − Hydrogen Sulfide MIN − Minute MRL − Minimal Risk Level ppb − Parts per billion

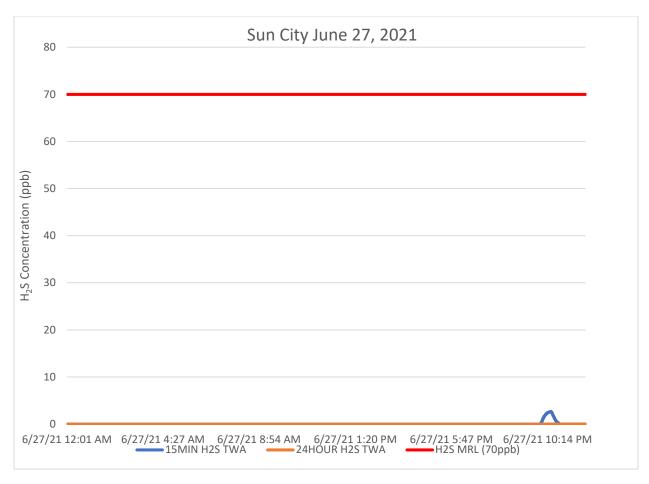


H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

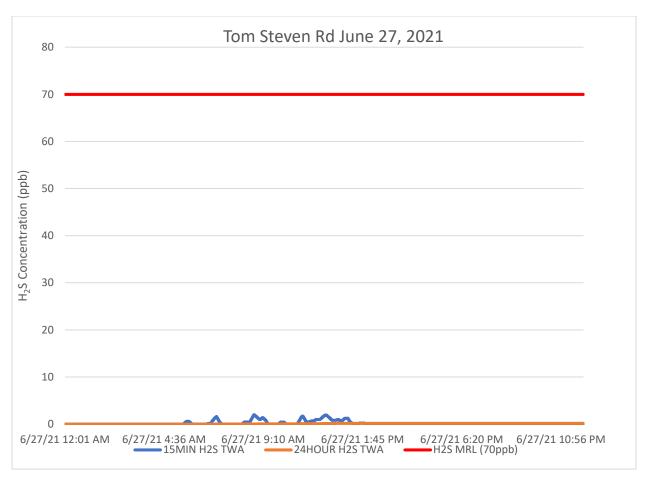
ppb - Parts per billion



H₂S – Hydrogen Sulfide

MIN – Minute

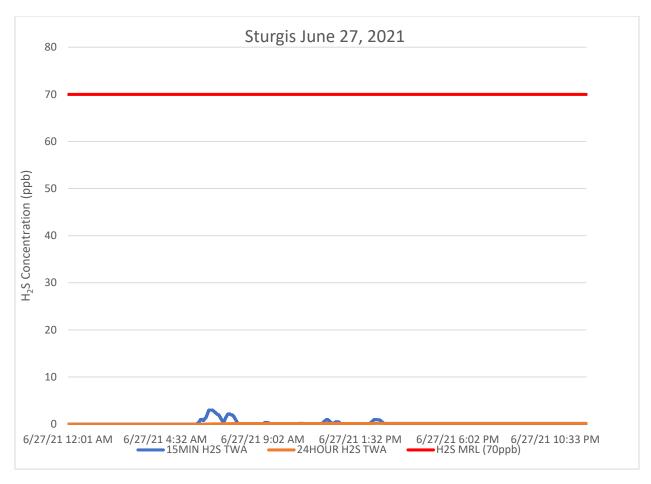
MRL – Minimal Risk Level



H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level



H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

Air Monitoring Summary Tables

The table below summarizes monitoring data collected using EPA's Viper wireless remote monitoring system.

Project Name: H₂S in South and North Carolina

From: 6/28/21 To: 6/28/21 12:01 AM 11:59 PM



Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 1	H2S	No	26752	1402	0 - 4 ppb	0.13 ppb	70 ppb
		ATCDD MDI	Mumber of				
Instrument	Analyte	ATSDR MRL	Number of	Number of	Concentration Range	Period Average	ATSDR MRI
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL

Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 3	H2S	No	26011	0	0 - 0 ppb	0 ppb	70 ppb

Sun City	Sun City										
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL				
SPM Flex 4	H2S	No	26989	401	0 - 2 ppb	0.03 ppb	70 ppb				

Bridgemill							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 5	H2S	No	27453	0	0 - 0 ppb	0 ppb	70 ppb

Tom Steven Rd										
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL			
SPM Flex 6	H2S	No	26330	0	0 - 0 ppb	0 ppb	70 ppb			

Sturgis Rd										
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL			
SPM Flex 7	H2S	No	26600	0	0 - 0 ppb	0 ppb	70 ppb			

Marvin							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 8	H2S	No	26778	0	0 - 0 ppb	0 ppb	70 ppb

Treetop										
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL			
SPM Flex 9	H2S	No	27162	0	daa 0 - 0	daa 0	70 ppb			

Liberty Hill							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 10	H2S	No	27533	4635	0 - 2 ppb	0.22 ppb	70 ppb

Notes

Hydrogen sulfide concentrations presented in this data summary table are converted from parts per million, the instrument readout units, to parts per billion.

ATSDR MRL Agency for Toxic Substances and Disease Registry Minimal Risk Level - Acute Exposure (<14 days)

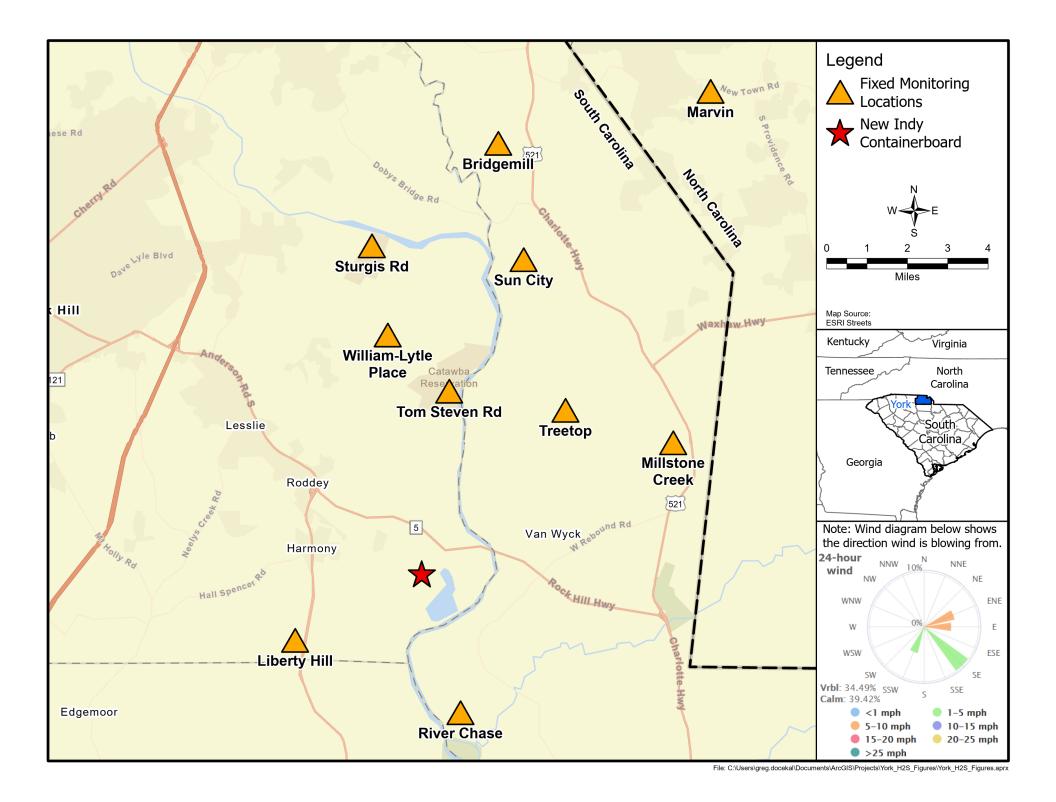
H₂S Hydrogen Sulfide

hr Hour

ppb Parts per billion

MRL Exceedance Defines if the 24-hr TWA exceeded the MRL at any time during the period of this report

SPM Single Point Monitor
TWA Time Weighted Avergage



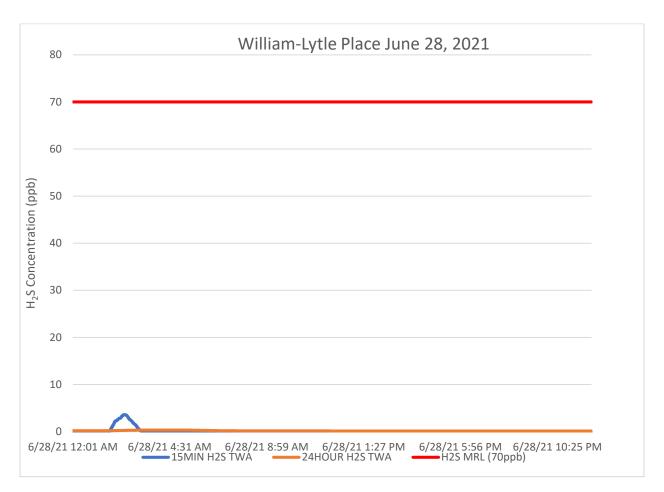
H₂S in South and North Carolina

Hydrogen Sulfide 15-min and 24-hr Time Weighted Graphs

Only locations where hydrogen sulfide was detected during the current reporting period are graphed below.

The prevailing wind directions for this reporting period were out of the southeast with smaller percentages out of the east-northeast, east, and south-southwest. See wind rose diagram on location figure for full wind data during this reporting period.

The following locations did not detect hydrogen sulfide above 1 part per billion: Millstone Creek, Bridgemill, Tom Steven Rd, Sturgis Rd, Marvin, and Treetop.



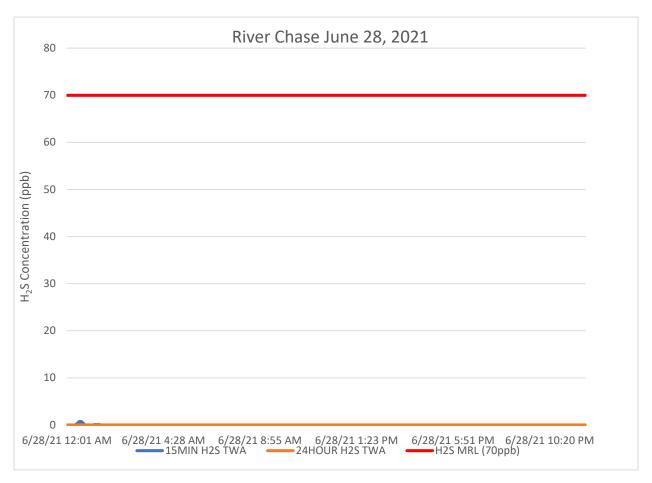
Notes:

H₂S - Hydrogen Sulfide

MIN - Minute

MRL – Minimal Risk Level

ppb – Parts per billion

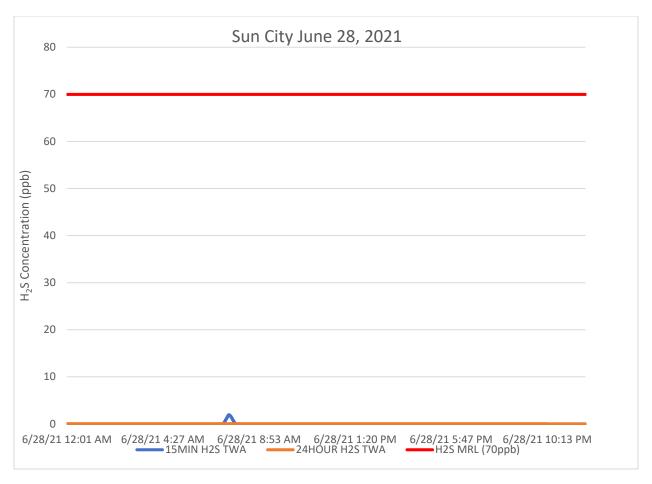


H₂S – Hydrogen Sulfide

MIN – Minute

MRL - Minimal Risk Level

ppb – Parts per billion

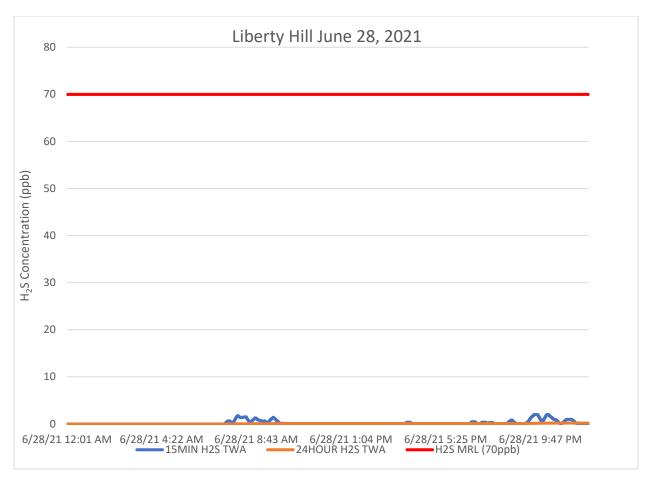


H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb - Parts per billion



H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb - Parts per billion

Air Monitoring Summary Tables

The table below summarizes monitoring data collected using EPA's Viper wireless remote monitoring system.

Project Name: H₂S in South and North Carolina

From: 6/4/21 To: 6/4/21 12:01 AM 11:59 PM



ATSDR MRL

70 ppb

12.017.			1100 1 111			PROTEC	
illiam-Lytle Place							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 1	H2S	No No	54230	8986	0 - 11 ppb	0.72 ppb	70 ppb
iver Chase		 					
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 2	H2S	No	53704	4598	0 - 5 ppb	0.24 ppb	70 ppb
lillstone Creek							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 3	H2S	No	52060	3530	0 - 4 ppb	0.12 ppb	70 ppb
un City							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 4	H2S	No	53854	14382	0 - 25 ppb	1.59 ppb	70 ppb
ridgemill							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 5	H2S	No	52336	4654	0 - 8 ppb	0.36 ppb	70 ppb
om Steven Rd							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 6	H2S	No	51846	12636	0 - 28 ppb	2.04 ppb	70 ppb
turgis Rd							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 7	H2S	No	53056	5492	0 - 8 ppb	0.48 ppb	70 ppb
larvin		47000 4401		. N. I. C	·	1	
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 8	H2S	No	53582	8678	0 - 8 ppb	0.53 ppb	70 ppb
reetop		ATSDR MRL	Number of	Number of	I	1	
Instrument	Analyte	Exceedance?	Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
					0 - 1 ppb		70 ppb

Liberty Hill

Instrument

SPM Flex 10

Hydrogen sulfide concentrations presented in this data summary table are converted from parts per million, the instrument readout units, to parts per billion.

Number of

Detections

0

Concentration Range

0 - 0 ppb

Period Average

0 ppb

Number of

Readings

51901

ATSDR MRL Agency for Toxic Substances and Disease Registry Minimal Risk Level - Acute Exposure (<14 days)

H₂S Hydrogen Sulfide

hr Hour

ppb Parts per billion

MRL Exceedance Defines if the 24-hr TWA exceeded the MRL at any time during the period of this report

ATSDR MRL

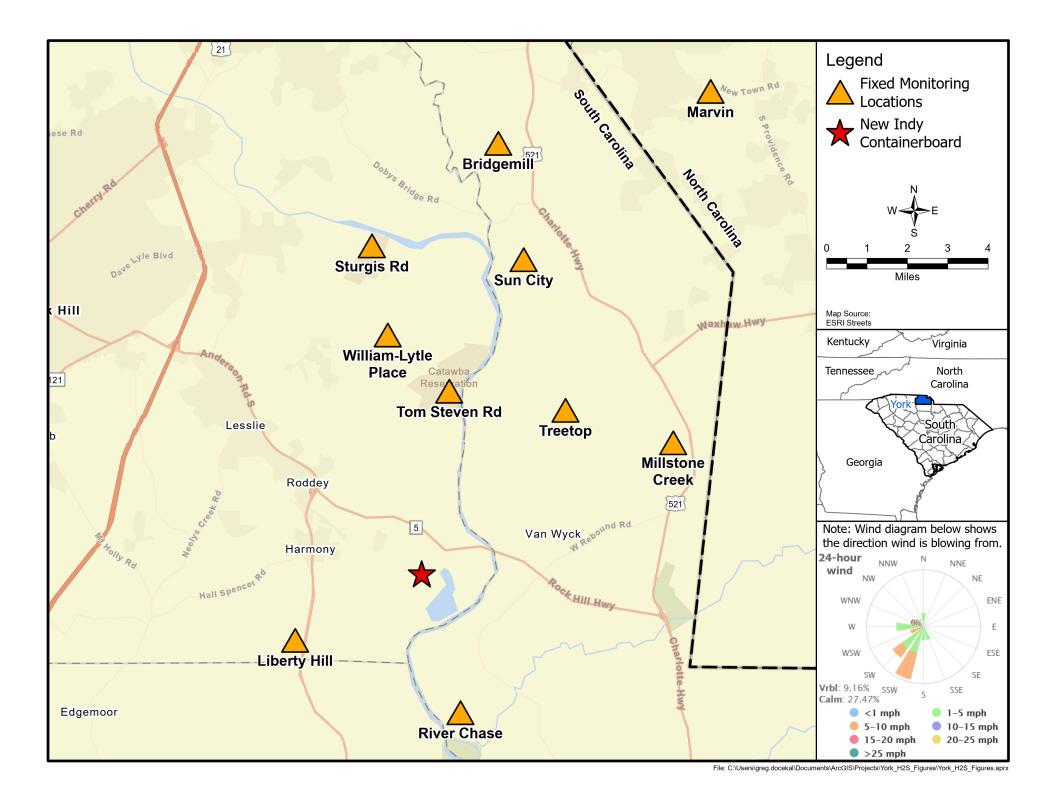
Exceedance?

No

SPM Single Point Monitor
TWA Time Weighted Avergage

Analyte

H2S



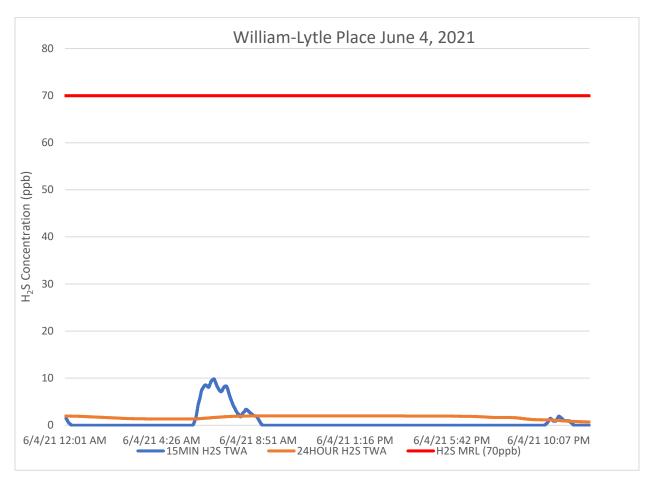
H₂S in South and North Carolina

Hydrogen Sulfide 15-min and 24-hr Time Weighted Graphs

Only locations where hydrogen sulfide was detected during the current reporting period are graphed below.

The prevailing wind directions for this reporting period were out of the south-southwest with a smaller percentages out of the southwest and west. See wind rose diagram on location figure for full wind data during this reporting period.

The following locations did not detect hydrogen sulfide above 1 part per billion: Liberty Hill.



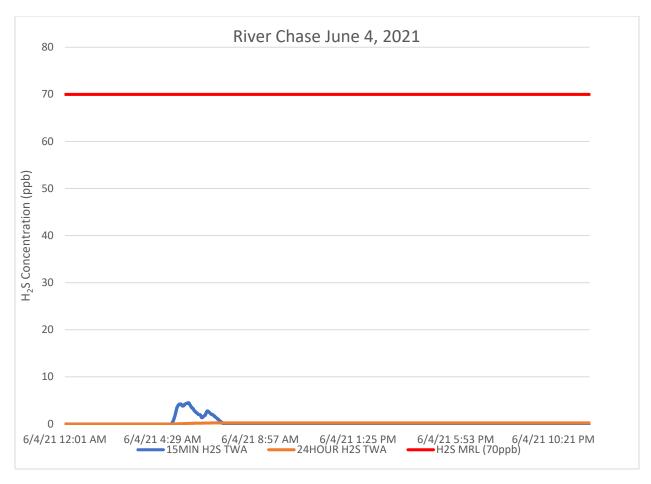
Notes:

H₂S – Hydrogen Sulfide

 ${\sf MIN}$ – ${\sf Minute}$

MRL – Minimal Risk Level

ppb - Parts per billion

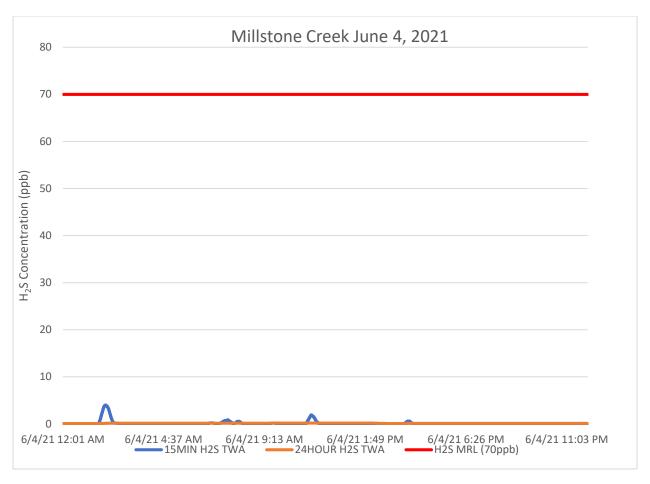


H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb - Parts per billion

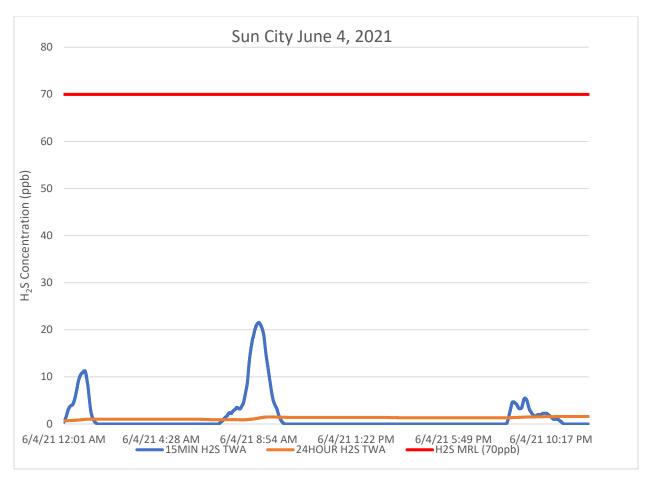


H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb - Parts per billion

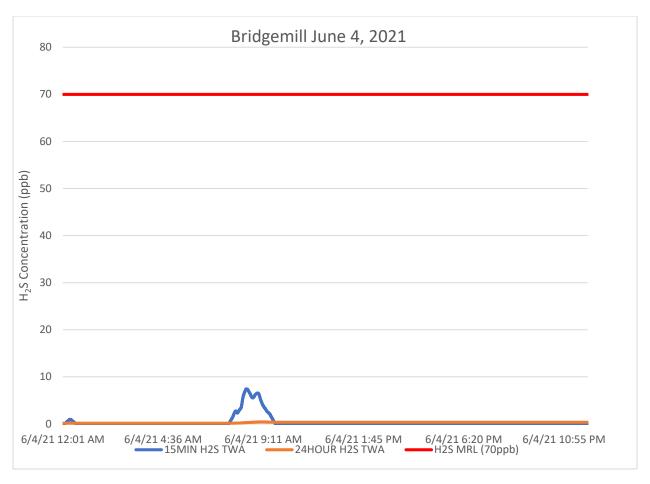


H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb - Parts per billion

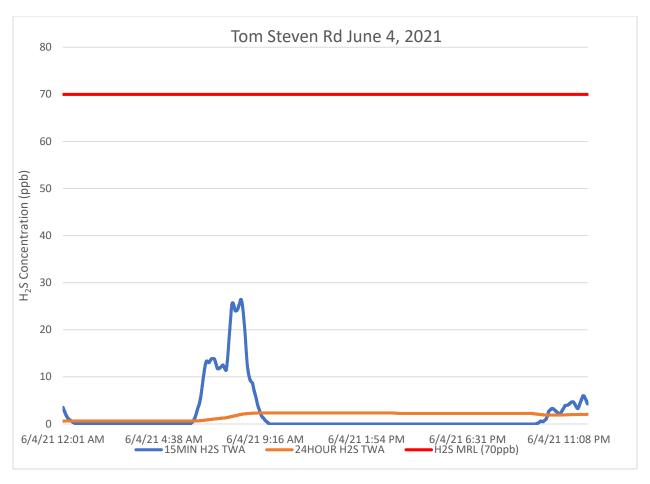


H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb - Parts per billion

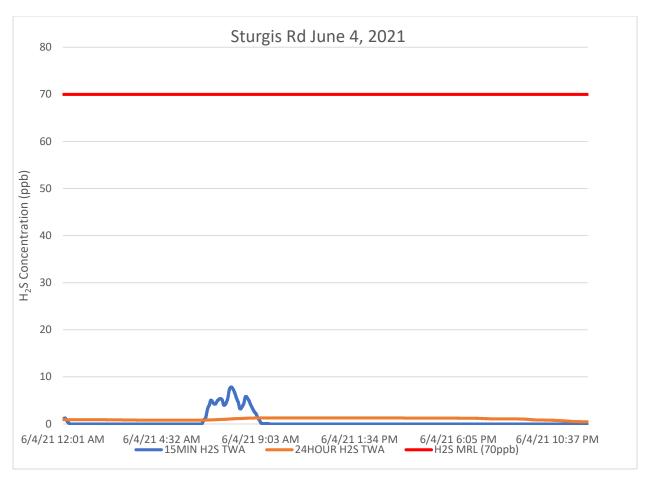


H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb - Parts per billion

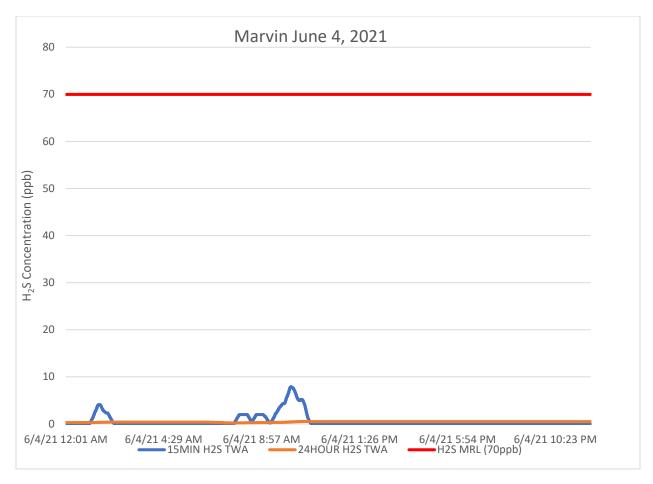


H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb - Parts per billion

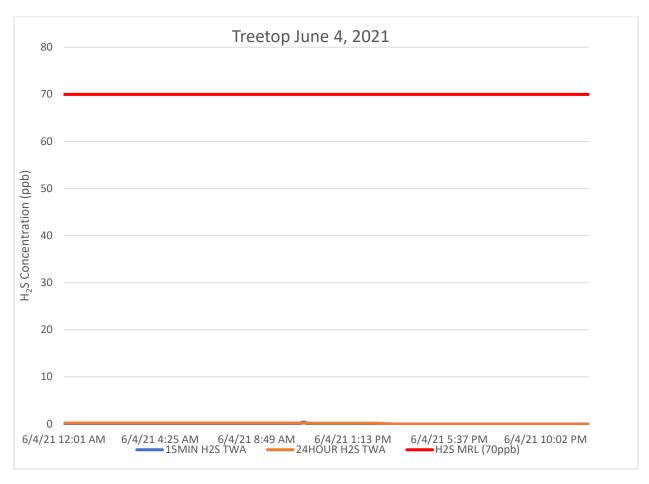


H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb - Parts per billion



H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb - Parts per billion

Air Monitoring Summary Tables

The table below summarizes monitoring data collected using EPA's Viper wireless remote monitoring system.

Project Name: H2S in South and North Carolina

From: 6/5/21 To: 6/5/21 12:01 AM 11:59 PM



0.02 ppb

Period Average

0.08 ppb

70 ppb

70 ppb

	12.017.00		11.55				PROTES		
illiam-Lytle Place									
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL		
SPM Flex 1	H2S	No	54234	7506	0 - 10 ppb	0.39 ppb	70 ppb		
iver Chase									
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL		
SPM Flex 2	H2S	No	53731	10952	0 - 9 ppb	0.62 ppb	70 ppb		
1illstone Creek									
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL		
SPM Flex 3	H2S	No	52052	1870	0 - 3 ppb	0.07 ppb	70 ppb		
C'h.									
un City		ATSDR MRL	Number of	Number of	I				
Instrument	Analyte	Exceedance?	Readings	Detections	Concentration Range	Period Average	ATSDR MRL		
SPM Flex 4	H2S	No	53878	3810	0 - 6 ppb	0.15 ppb	70 ppb		
Bridgemill		1 47000 4401							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL		
SPM Flex 5	H2S	No	52322	1122	0 - 2 ppb	0.03 ppb	70 ppb		
om Steven Rd									
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL		
SPM Flex 6	H2S	No No	51794	16724	0 - 22 ppb	1.71 ppb	70 ppb		
turgis Rd									
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL		
SPM Flex 7	H2S	No	53042	2878	0 - 2 ppb	0.07 ppb	70 ppb		
Marvin									
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL		
SPM Flex 8	H2S	No	53626	1950	0 - 3 ppb	0.06 ppb	70 ppb		
reetop									
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL		

Notes

SPM Flex 9

Instrument

SPM Flex 10

Liberty Hill

Hydrogen sulfide concentrations presented in this data summary table are converted from parts per million, the instrument readout units, to parts per billion.

Readings

54458

Number of

Readings

52824

Detections

1084

Number of

Detections

2154

0 - 1 ppb

Concentration Range

0 - 4 ppb

ATSDR MRL Agency for Toxic Substances and Disease Registry Minimal Risk Level - Acute Exposure (<14 days)

H₂S Hydrogen Sulfide

hr Hour

ppb Parts per billion

MRL Exceedance Defines if the 24-hr TWA exceeded the MRL at any time during the period of this report

Exceedance?

No

ATSDR MRL

Exceedance?

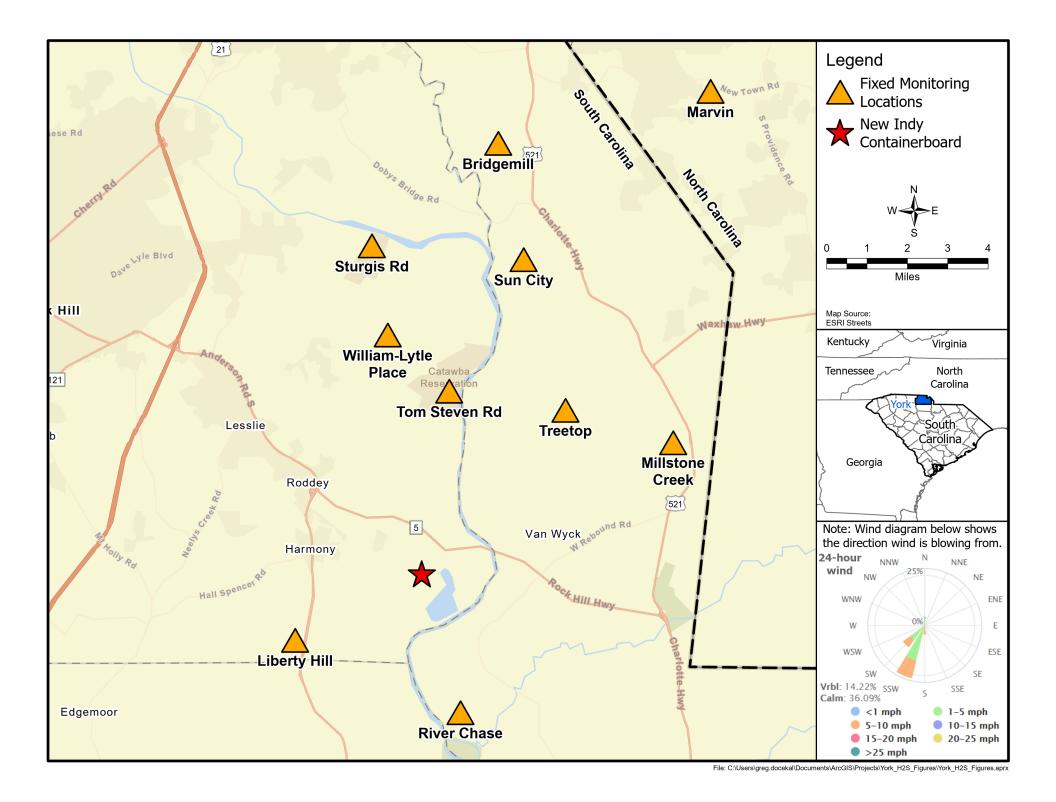
No

SPM Single Point Monitor
TWA Time Weighted Avergage

H2S

Analyte

H2S



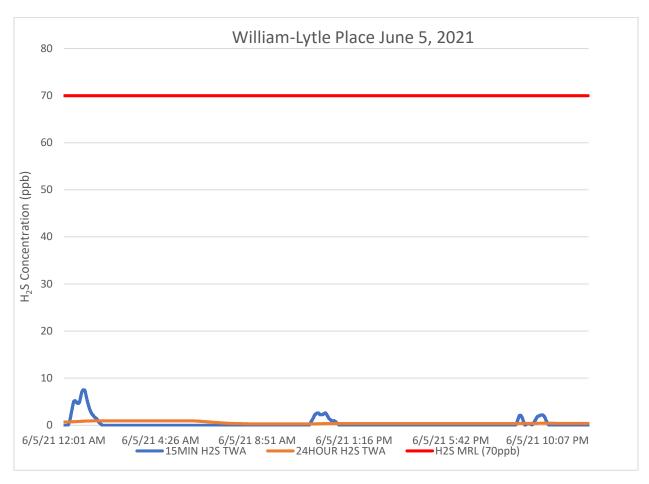
H₂S in South and North Carolina

Hydrogen Sulfide 15-min and 24-hr Time Weighted Graphs

Only locations where hydrogen sulfide was detected during the current reporting period are graphed below.

The prevailing wind directions for this reporting period were out of the south-southwest with a smaller percentage out of the southwest. See wind rose diagram on location figure for full wind data during this reporting period.

All locations detected hydrogen sulfide above 1 part per billion for this reporting period.



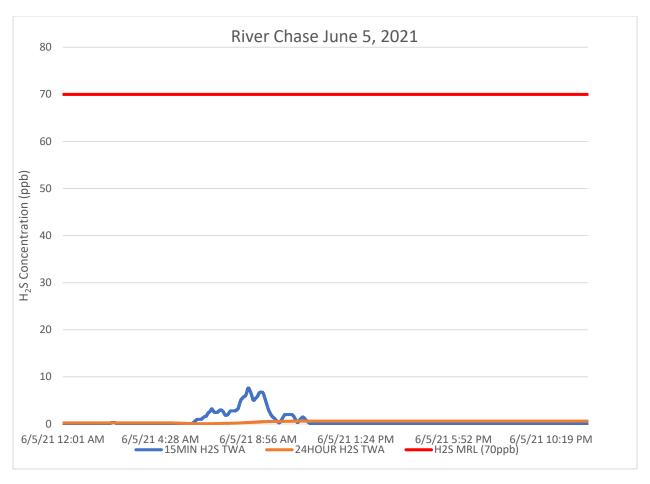
Notes:

H₂S – Hydrogen Sulfide

 ${\sf MIN}$ – ${\sf Minute}$

MRL – Minimal Risk Level

ppb - Parts per billion

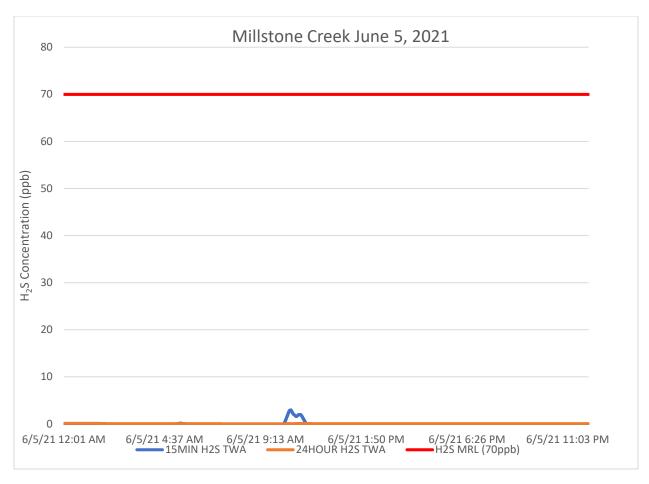


H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb - Parts per billion

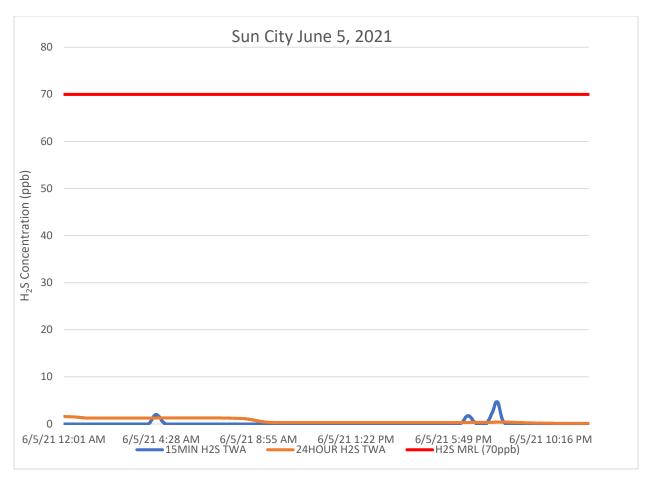


H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb - Parts per billion

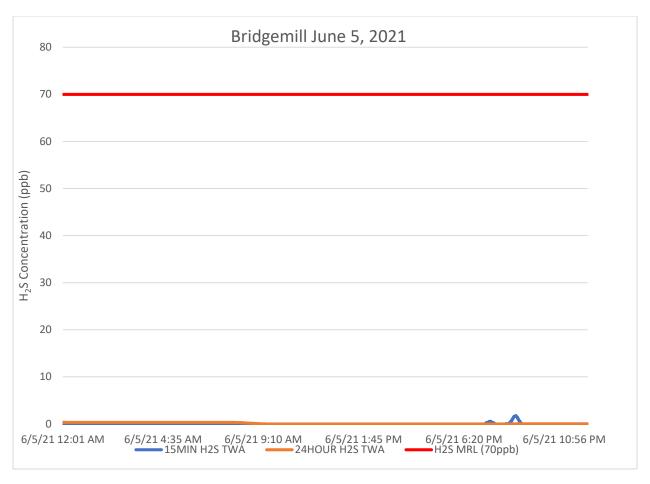


H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb - Parts per billion

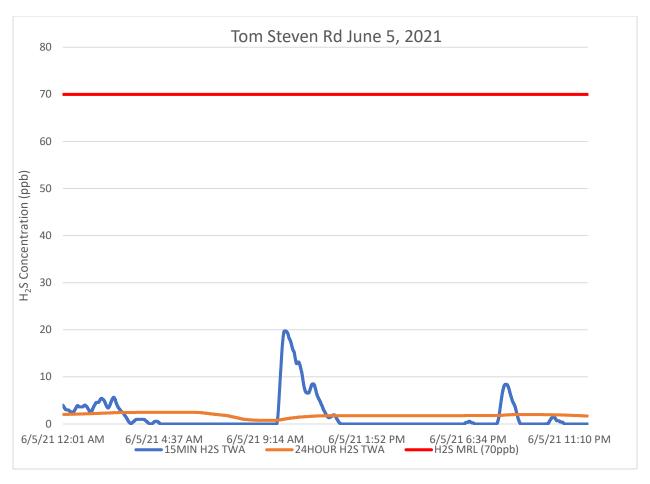


H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb - Parts per billion

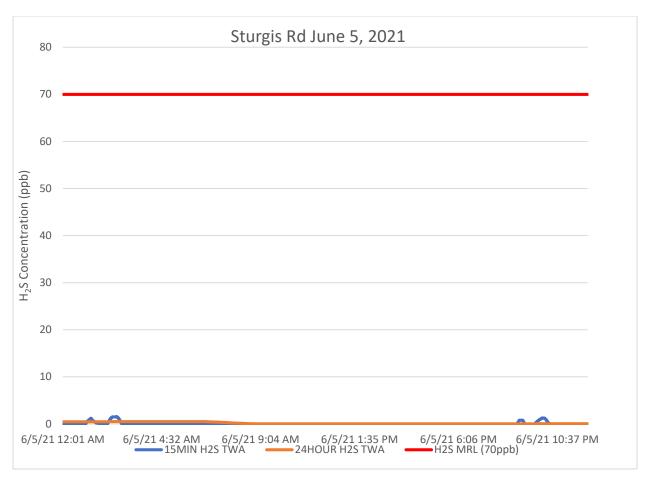


H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb - Parts per billion

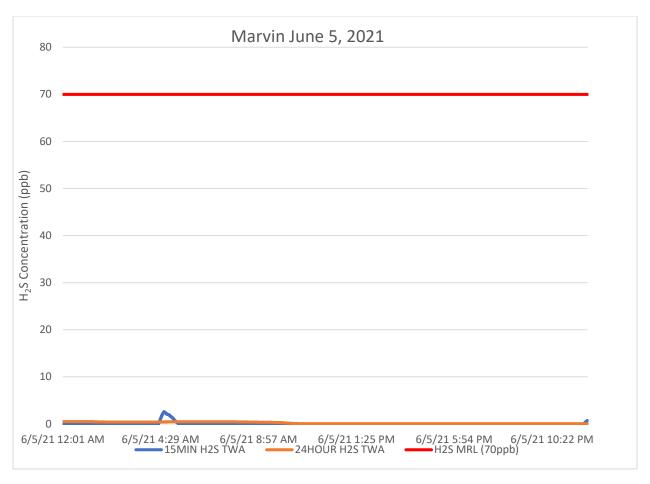


H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb - Parts per billion

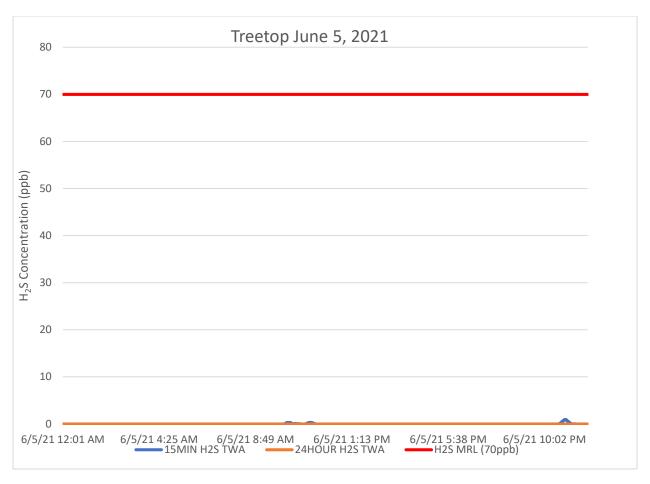


H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb - Parts per billion

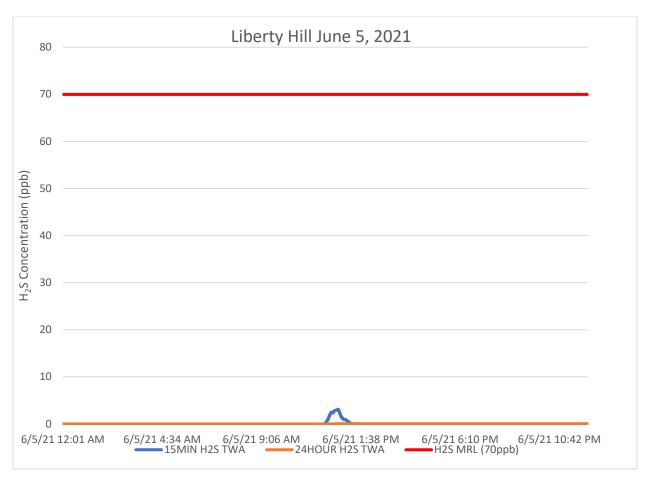


H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb - Parts per billion



H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb - Parts per billion

Air Monitoring Summary Tables

The table below summarizes monitoring data collected using EPA's Viper wireless remote monitoring system.

Project Name: H₂S in South and North Carolina

From: 6/29/21 To: 6/29/21 12:01 AM 11:59 PM



William-Lytle Place										
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL			
SPM Flex 1	H2S	No	26796	1142	0 - 2 ppb	0.05 ppb	70 ppb			
SPM Flex 1	H2S	No	26/96	1142	0 - 2 ppb	0.05 ppb	70 ppb			

River Chase							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 2	H2S	No	26834	0	0 - 0 ppb	0 ppb	70 ppb

Millstone Creek							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 3	H2S	No	25955	0	0 - 0 ppb	0 ppb	70 ppb

Sun City							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 4	H2S	No	26964	512	0 - 2 ppb	0.02 ppb	70 ppb

Bridgemill							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 5	H2S	No	27436	760	0 - 3 ppb	0.04 ppb	70 ppb

Tom Steven Rd									
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL		
SPM Flex 6	H2S	No	26454	2709	0 - 4 ppb	0.28 ppb	70 ppb		

Sturgis Rd									
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL		
SPM Flex 7	H2S	No	26599	332	0 - 5 ppb	0.02 ppb	70 ppb		

Marvin							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 8	H2S	No	26793	0	0 - 0 ppb	0 ppb	70 ppb

Treetop									
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL		
SPM Flex 9	H2S	No	27136	0	0 - 0 ppb	0 ppb	70 ppb		

Liberty Hill							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 10	H2S	No	27411	483	0 - 2 ppb	0.02 ppb	70 ppb

Notes

Hydrogen sulfide concentrations presented in this data summary table are converted from parts per million, the instrument readout units, to parts per billion.

ATSDR MRL Agency for Toxic Substances and Disease Registry Minimal Risk Level - Acute Exposure (<14 days)

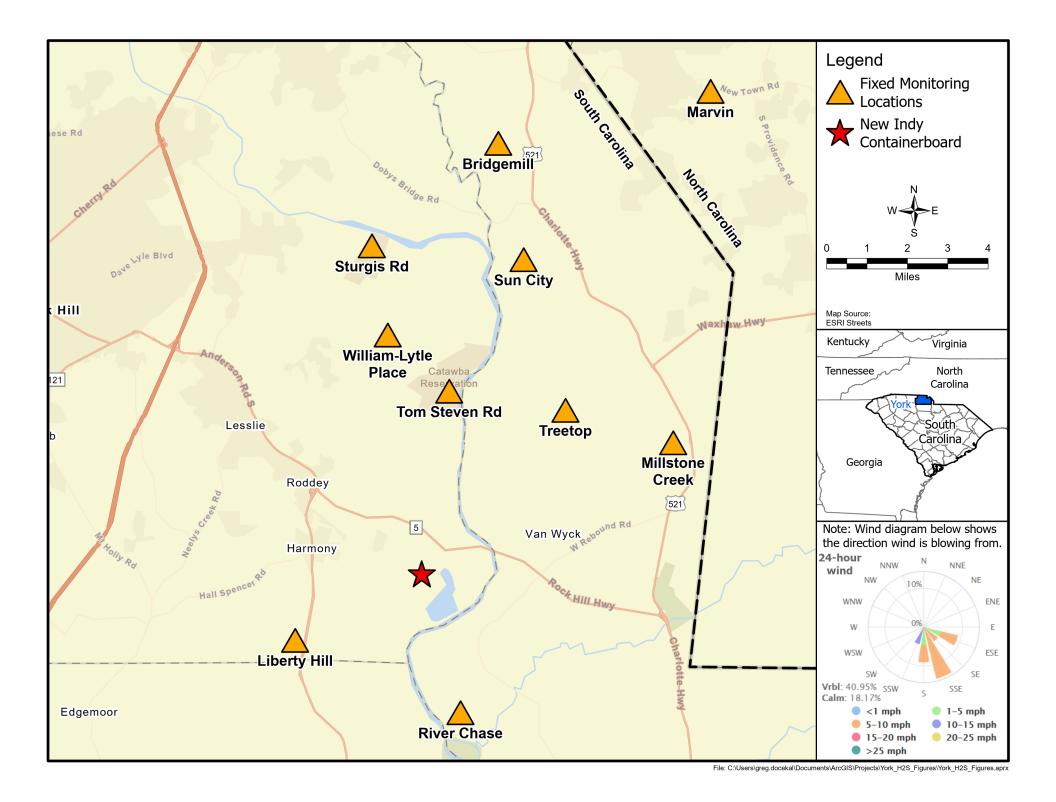
H₂S Hydrogen Sulfide

hr Hour

ppb Parts per billion

MRL Exceedance Defines if the 24-hr TWA exceeded the MRL at any time during the period of this report

SPM Single Point Monitor
TWA Time Weighted Avergage



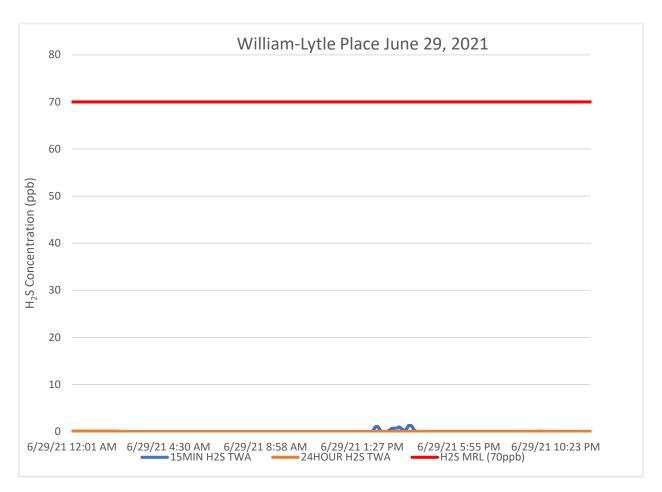
H₂S in South and North Carolina

Hydrogen Sulfide 15-min and 24-hr Time Weighted Graphs

Only locations where hydrogen sulfide was detected during the current reporting period are graphed below.

The prevailing wind directions for this reporting period were out of the south-southeast with smaller percentages out of the east-southeast, southeast, south, and south-southwest. See wind rose diagram on location figure for full wind data during this reporting period.

The following locations did not detect hydrogen sulfide above 1 part per billion: River Chase, Millstone Creek, Marvin, and Treetop.



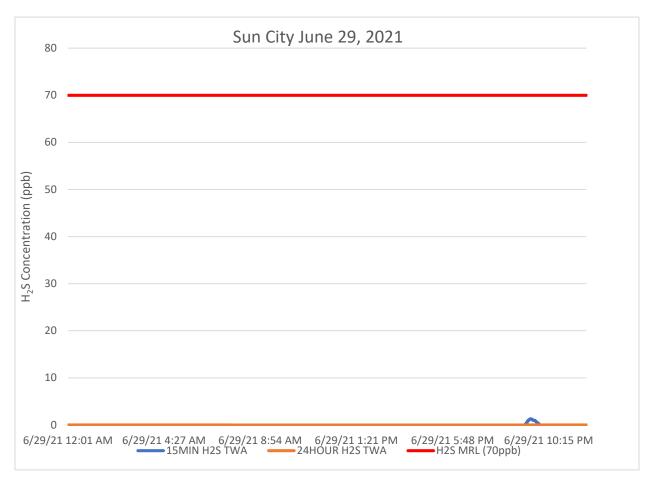
Notes:

H₂S - Hydrogen Sulfide

MIN - Minute

MRL – Minimal Risk Level

ppb – Parts per billion

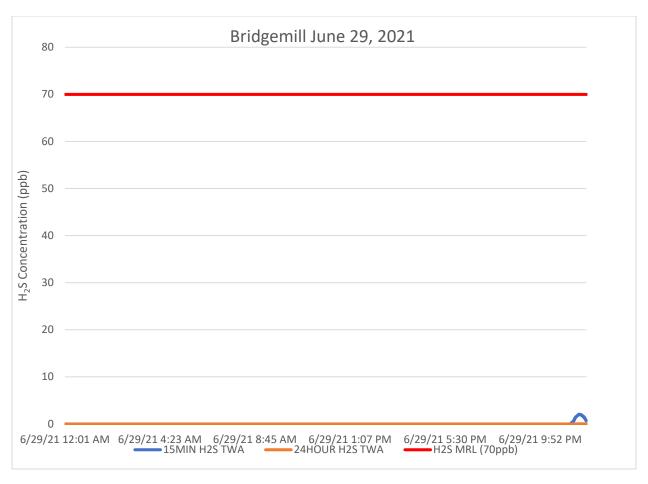


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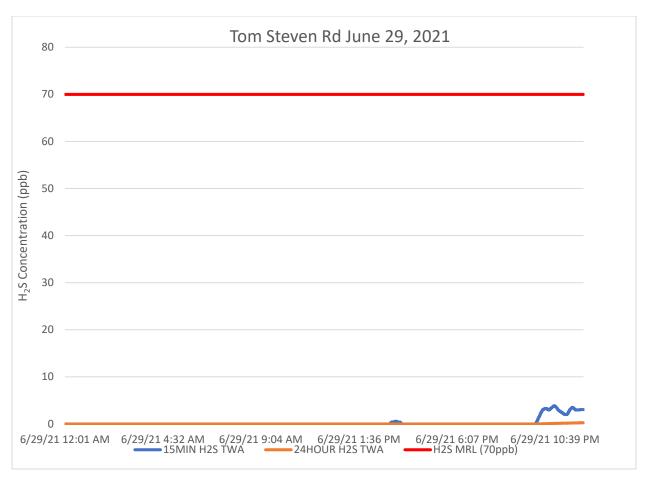


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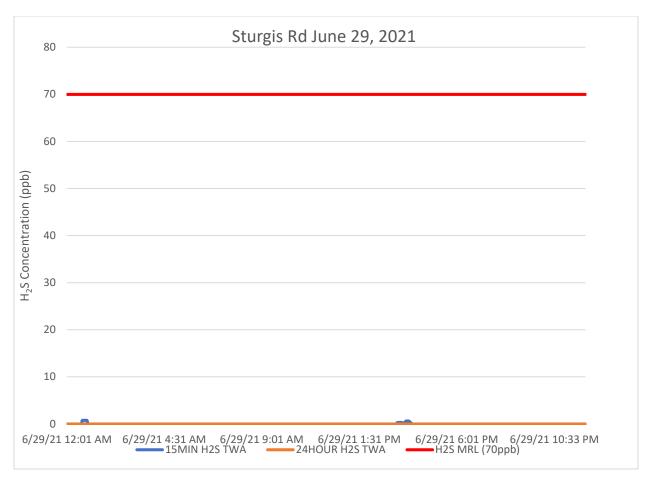


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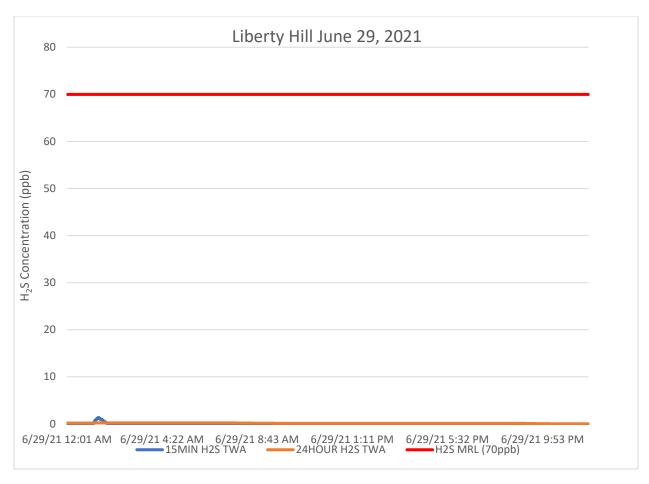


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